



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

January 17, 2023

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

**Re: Closure Report
Railsplitter 15 CTB 6
Devon Energy Production Company
Site Location: Unit N, S15, T26S, R34E
(Lat 32.039582 °, Long -103.459734 °)
Lea County, New Mexico
Incident ID: nAPP2118152809**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities at the Railsplitter 15 CTB 6 (Site). The Site is located approximately 14.7 miles west of Bennett, New Mexico in Lea 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 June 14, 2021. The release was a result of a sight glass breaking on a three-phase separator at the Site. Approximately 14.4 barrels (bbls) of oil was released of which 10 bbls were recovered. Upon discovery, the well was shut-in, and the area was secured. The release area is shown on Figure 3. A copy of the initial C-141 form is attached.

Site Characterization

The Site is located within a low karst area. Based on a review of the New Mexico National Flood Hazard Layer, there are no known surface waters within a 300 feet (ft) radius of the Site. Additionally, review of the Office of State Engineer and USGS databases, there are no known groundwater wells within a ½ mile radius of the Site. The nearest identified well is located 3.53 miles northwest of the Site in Section 15, T26S, R34E. The well was drilled in 1976 and the reported depth to groundwater is 123.52 feet below ground surface (ft bgs). 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 21, 2022, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. A total of four sample points (S-1 through S-4) were installed within the release area to characterize the impacts. Additionally, five horizontal delineation sample points (H-1 through H-5) were installed to define the extent of impacts. Soil samples were collected in 0.5-1 ft depth intervals and collected from depths ranging from 0.5-4.5 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, stored on ice, and transported under proper chain-of-custody protocol to an accredited third-party laboratory for chemical analysis. The soil samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Soil analytical results are provided in Table 1, attached. Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Analytical results identified elevated TPH and/or chloride concentrations across the release area. Soil impacts were identified in S-1 from 0 – 4.5 ft bgs, S-2 and S-3 from 0-1.5 ft bgs, and S-4 from 1-2.5 ft bgs. Further delineation efforts will be conducted during excavation activities to help characterize the vertical extent of impact. Analytical results from the horizontal delineation indicated sample points H-1 through H-5 were above the regulatory limit for chlorides and/or TPH. The vertical and horizontal extent of impacts is not defined; however, the full extent of impacts was addressed in conducting remedial action activities.

Remedial Action Activities and Confirmation Sampling

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

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

A total of 12 composite confirmation samples were collected from the excavation base (CS-1 - CS-12) and 11 composite confirmation samples were collected from the excavation sidewalls (SW-1 - SW-11) to ensure impacted soil was removed. The confirmation samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B or 300.0). Analytical results indicated that CS-1 through CS-3, SW-2, and SW-5, exhibited total TPH concentrations above the regulatory limit and the areas would require further excavation.

The excavation in the areas of CS-1, CS-2, and CS-3 was extended to a depth of 5.5 ft bgs and the excavation in the areas of SW-2 and SW-5 was expanded. Following excavation extension and expansion, additional confirmation samples were collected from the expanded base (CS-1, CS-2, CS-3) and sidewalls (SW-12 and SW-13).

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The final excavation extent and confirmation sample locations are shown on Figure 4. All 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). Analytical results of the confirmation samples are provided in Table 2. All results are below the regulatory limits. Following receipt of the analytical results the excavation was backfilled and returned to near natural grade.

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 is attached, and Devon 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: Jordan Tyner
Sent: Monday, November 7, 2022 11:20 AM
To: New Mexico OCD
Cc: Ethan Sessums
Subject: Sampling Event

We will be conducting a sampling event on behalf of Devon on November 9, 2022 around 10am

nAPP2118152809	RailSplitter 15 CTB 6	6/14/2021
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Jordan Tyner
Project Scientist
NTG Environmental New Mexico
402 E Wood Ave, Carlsbad, NM 88220
M: (903) 309-8358 W: (432) 813-0263
Email: jtyner@ntglobal.com
<http://www.ntgenvironmental.com/>



Jordan Tyner

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, October 24, 2022 9:54 AM
To: Jordan Tyner
Cc: Bratcher, Michael, EMNRD
Subject: FW: [EXTERNAL] Sampling Event

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Jordan

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, October 19, 2022 2:21 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Sampling Event

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@state.nm.us
<http://www.emnrd.nm.gov>



From: Jordan Tyner <JTtyner@ntglobal.com>
Sent: Wednesday, October 19, 2022 1:57 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ethan Sessums <ESessums@ntglobal.com>
Subject: [EXTERNAL] Sampling Event

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

We will be conducting a sampling event on behalf of Devon on October 21, 2022 around 10am

nAPP2118152809	RailSplitter 15 CTB 6	6/14/2021
----------------	-----------------------	-----------

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



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INITIAL AND FINAL C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>Kendra DeHoyos</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>7/7/2021</u>

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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>123.52'</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Incident ID	nAPP2118152809
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 3/8/2023

email: dale.woodall@dm.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2118152809
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: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 3-8-2023
email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Incident ID	nAPP2118152809
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall

Title: Env. Professional

Signature: Dale Woodall

Date: 3/8/2023

email: dale.woodall@dvn.com

Telephone: 575-748-1838

OCD Only

Received by: _____

Date: _____

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

Closure Approved by: Jennifer Nobui

Date: 03/16/2023

Printed Name: Jennifer Nobui

Title: Environmental Specialist A

NAPP2118152809

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
<i>Contaminated Soil measurement</i>	
Area (square feet)	Depth(inches)
<u>1617</u>	<u>0.500</u>
Cubic Feet of Soil Impacted	<u>67.375</u>
Barrels of Soil Impacted	<u>12.01</u>
Soil Type	Sand
Barrels of Oil Assuming 100% Saturation	<u>2.40</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	2.40
<i>Free Standing Fluid Only</i>	
Area (square feet)	Depth(inches)
<u>1617</u>	<u>0.500</u>
Standing fluid	<u>12.010</u>
Total fluids spilled	<u>14.412</u>

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

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

CONDITIONS

Action 34517

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 34517
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
marcus	None	7/7/2021

SITE CHARACTERIZATION INFORMATION

Devon Railsplitter 15 CTB 6
Sec15 T26S R34E
32.0386064°N, -103.4593275°W
Lea County, New Mexico

Site Characterizations

- No Depth to GW information within half mile under 25 years old.
- 1 water feature within a 1/2 mile radius
- low Karst
- Closest well 3.53 miles Northwest, depth of 123.53' below ground level, drilled 1/8/1976, Sec 15 T26S R34E

Railsplitter 15 CTB 6

KARST MAP

Legend

-  3'
-  5'
-  Feature 1
-  Feature 2
-  Feature 3
-  Low
-  Medium
-  Sidewall Extension

SW-3
CS-7
SW-4





National Water Information System: Mapper

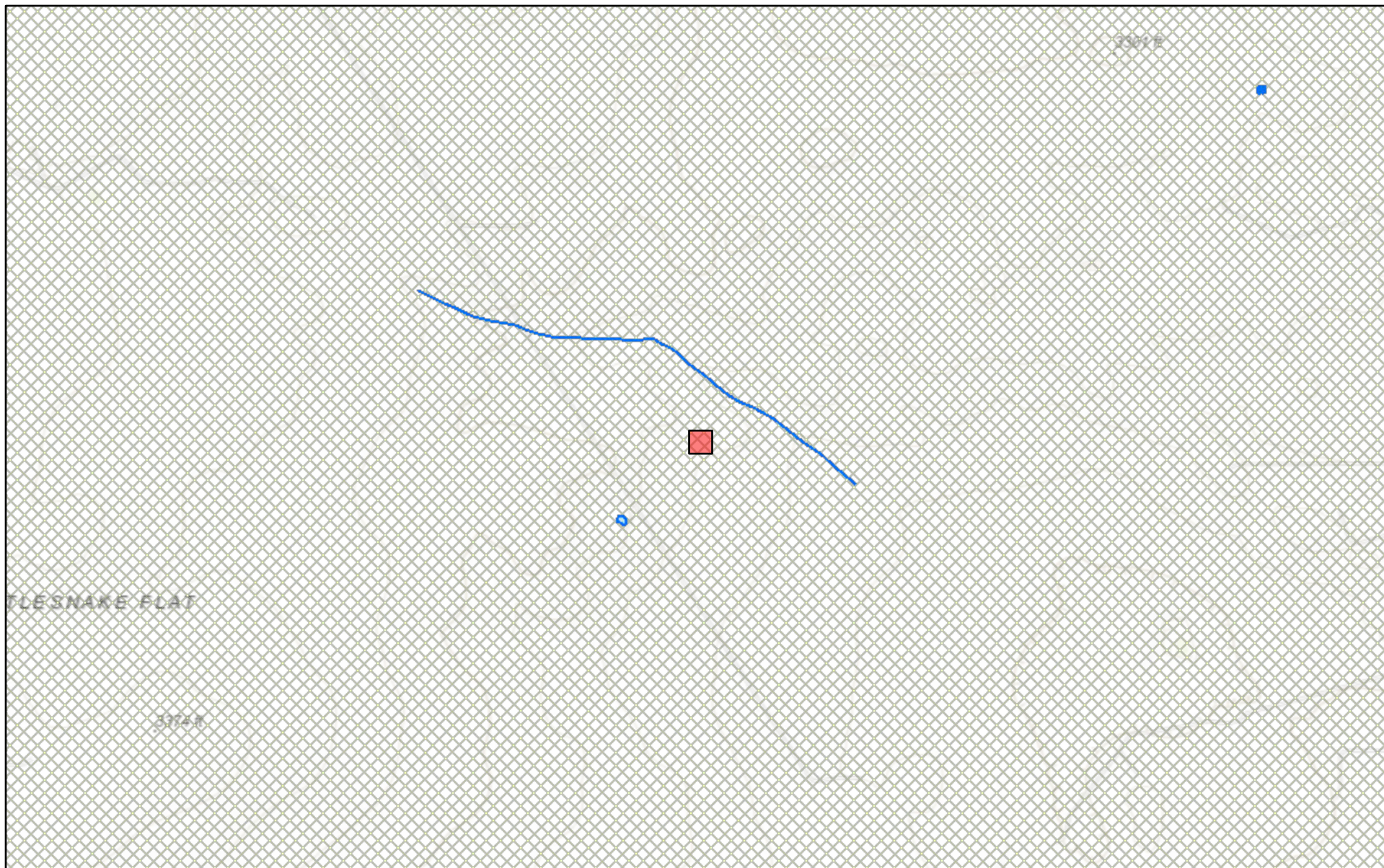
[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

[Help](#) [Info](#)

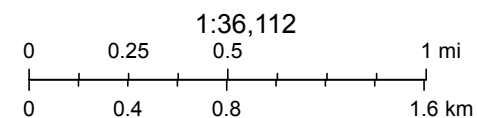


Site Information

New Mexico NFHL Data



December 21, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04583 POD1	CUB	LE		3	3	3	15	26S	34E	644920	3545643	598	55		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 645471.42

Northing (Y): 3545875.74

Radius: 4000

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

12/21/22 4:07 PM

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WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04583 POD1	3	3	3	15	26S	34E	644920	3545643 
Driller License: 1249		Driller Company: ATKINS ENGINEERING ASSOC. INC.							
Driller Name: JACKIE D ATKINS									
Drill Start Date: 01/04/2022		Drill Finish Date: 01/04/2022		Plug Date:					
Log File Date: 02/04/2022		PCW Rcv Date:		Source:					
Pump Type:		Pipe Discharge Size:		Estimated Yield:					
Casing Size:		Depth Well: 55 feet		Depth Water:					

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

12/23/22 3:31 PM

POINT OF DIVERSION SUMMARY

TABLES

**Table 1 - Soil Delineation Samples - Remedial Action Activities
Devon Energy Production Company
Rail Splitter 15 CTB 6
Eddy County, New Mexico**

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
			DRO	GRO	MRO	Total						
S-1 (0-1)	7/21/2022	0 - 1'	1600	217	<49.9	1,820	<0.00199	0.0198	0.0291	0.204	0.253	51.4
S-1 (1-1.5)	7/21/2022	1 - 1.5'	1830	245	<49.9	2,080	<0.00199	0.0284	0.0280	0.192	0.249	216
S-1 (2-2.5)	7/21/2022	2 - 2.5'	462	161	<49.9	623	<0.00199	0.0648	0.0756	0.514	0.654	33.5
S-1 (3-3.5)	7/21/2022	3 - 3.5'	745	514	<50.0	1,260	<0.00199	0.0817	0.258	1.13	1.47	6.53
S-1 (4-4.5)	7/21/2022	4 - 4.5'	771	740	<50.0	1,510	<0.00199	0.0985	0.352	2.72	3.17	15.9
S-2 (0-1)	7/21/2022	0 - 1'	1980	<50.0	<50.0	1,980	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,640
S-2 (1-1.5)	7/21/2022	1 - 1.5'	639	<49.9	<49.9	639	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,090
S-3 (0-1)	7/21/2022	0 - 1'	1640	222	<49.8	1,860	<0.00199	0.00525	0.0171	0.0914	0.114	180
S-3 (1-1.5)	7/21/2022	1 - 1.5'	1260	364	<50.0	1,620	<0.00199	0.00944	0.0310	0.163	0.204	235
S-4 (0-1)	7/21/2022	0 - 1'	52.5	<50.0	<50.0	52.5	<0.00199	<0.00199	0.00265	<0.00398	<0.00398	253
S-4 (1-1.5)	7/21/2022	1 - 1.5'	722	<50.0	<50.0	722	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,720
S-4 (2-2.5)	7/21/2022	2 - 2.5'	517	<49.9	<49.9	517	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,520
H-1	7/21/2022	n/a	1420	80.8	<50.0	1,500	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,440
H-2	7/21/2022	n/a	1080	<49.9	<49.9	1,080	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	955
H-3	7/21/2022	n/a	1040	61.7	<50.0	1,100	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	79.3
H-4	7/21/2022	n/a	368	<50.0	<50.0	368	<0.00201	0.00245	<0.00201	<0.00402	<0.00402	42.9
H-5	7/21/2022	n/a	812	<49.9	<49.9	812	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,610
Regulatory Limits ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- total petroleum hydrocarbons

ft-feet

- exceeds regulatory limits

Table 2 - Soil Confirmation Samples - Remedial Action Activities
Devon Energy Production Company
Rail Splitter 15 CTB 6
Eddy County, New Mexico

Sample ID	Date	Sample Depth	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chlorides (mg/kg)
			DRO	GRO	MRO	Total						
CS-1	10/24/2022	5	100	<49.8	<49.8	100	<0.00198	<0.00198	0.00346	<0.00396	<0.00396	33.9
	11/9/2022	5.5	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.150	<0.300	<16.0
CS-2	10/24/2022	5	613	<49.9	<49.9	613	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.5
	11/9/2022	5.5	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.150	<0.300	<16.0
CS-3	10/24/2022	5	104	<49.8	<49.8	104	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.9
	11/9/2022	5.5	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.150	<0.300	16
CS-4	10/24/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	25.0
CS-5	10/24/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.0
CS-6	10/24/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	143
CS-7	10/24/2022	2	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.0
CS-8	10/24/2022	2	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	268
CS-9	10/24/2022	3	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	38.6
CS-10	10/24/2022	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	20.6
CS-11	10/24/2022	3	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	29.9
CS-12	10/24/2022	3	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	35.0
SW-1	10/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.1
SW-2	10/24/2022	--	168	<50.0	<50.0	168	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	115
SW-3	10/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	28.9
SW-4	10/24/2022	--	94.3	<50.0	<50.0	94.3	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	44.3
SW-5	10/24/2022	--	228	<49.9	<49.9	228	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	39.5
SW-6	10/24/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	88.7
SW-7	10/24/2022	--	72.3	<50.0	<50.0	72.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.4
SW-8	10/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	42.8
SW-9	10/24/2022	--	<49.8	<49.8	<49.8	<49.8	0.00748	0.00688	0.0356	0.0783	0.128	23.9
SW-10	10/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	19.0
SW-11	10/24/2022	--	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.4
SW-12	11/9/2022	--	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.150	<0.300	112
SW-13	11/9/2022	--	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.150	<0.300	48
Regulatory Limits ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

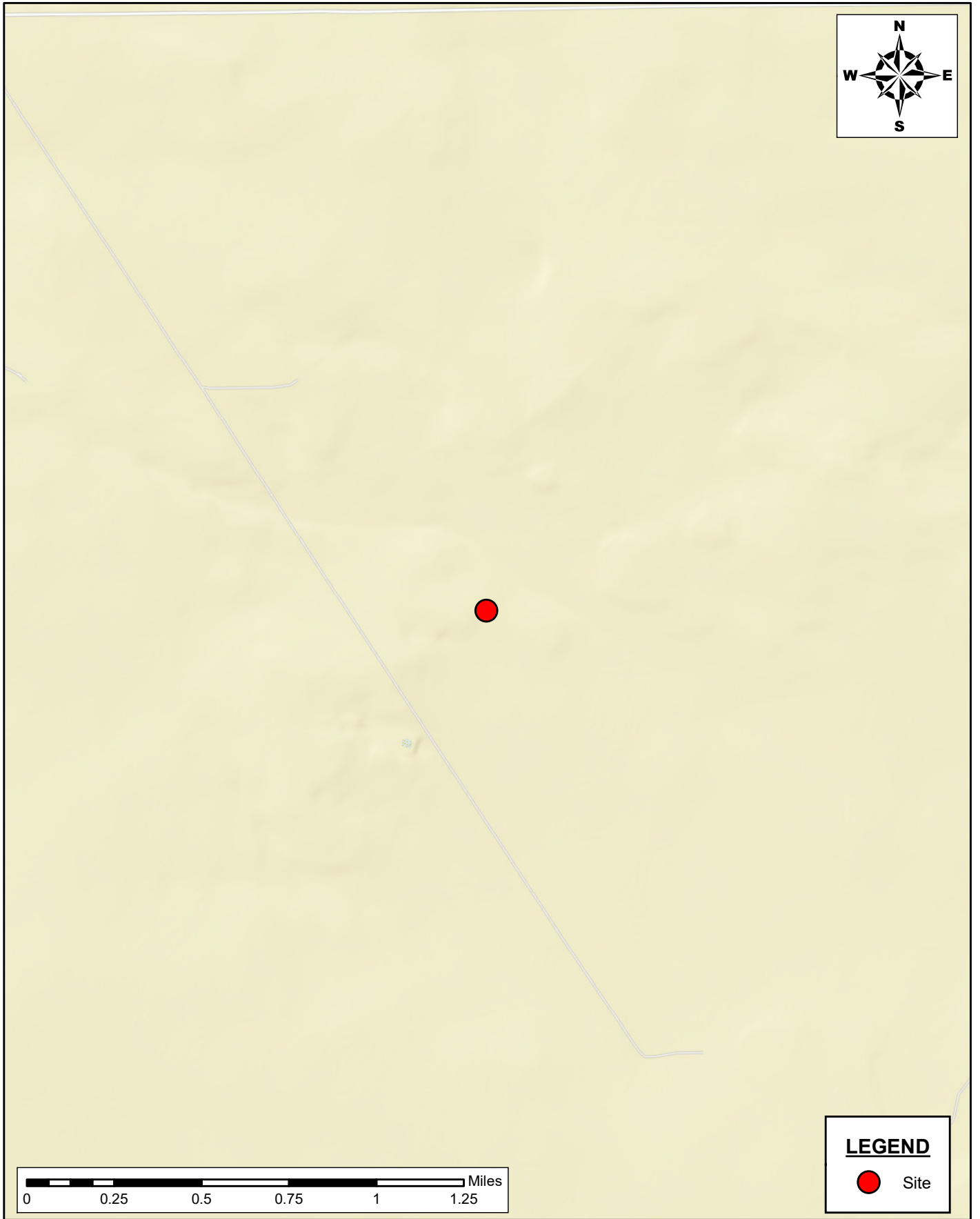
TPH- total petroleum hydrocarbons

ft-feet

- exceeds regulatory limits

FIGURES

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**SITE LOCATION MAP
ASSESSMENT REPORT**
SITE RAIL SPLITTER 15 CTB 6
DEVON ENERGY PRODUCTION COMPANY, LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 8/2/2022 PROJECT #: 225905


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

NOTES:

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

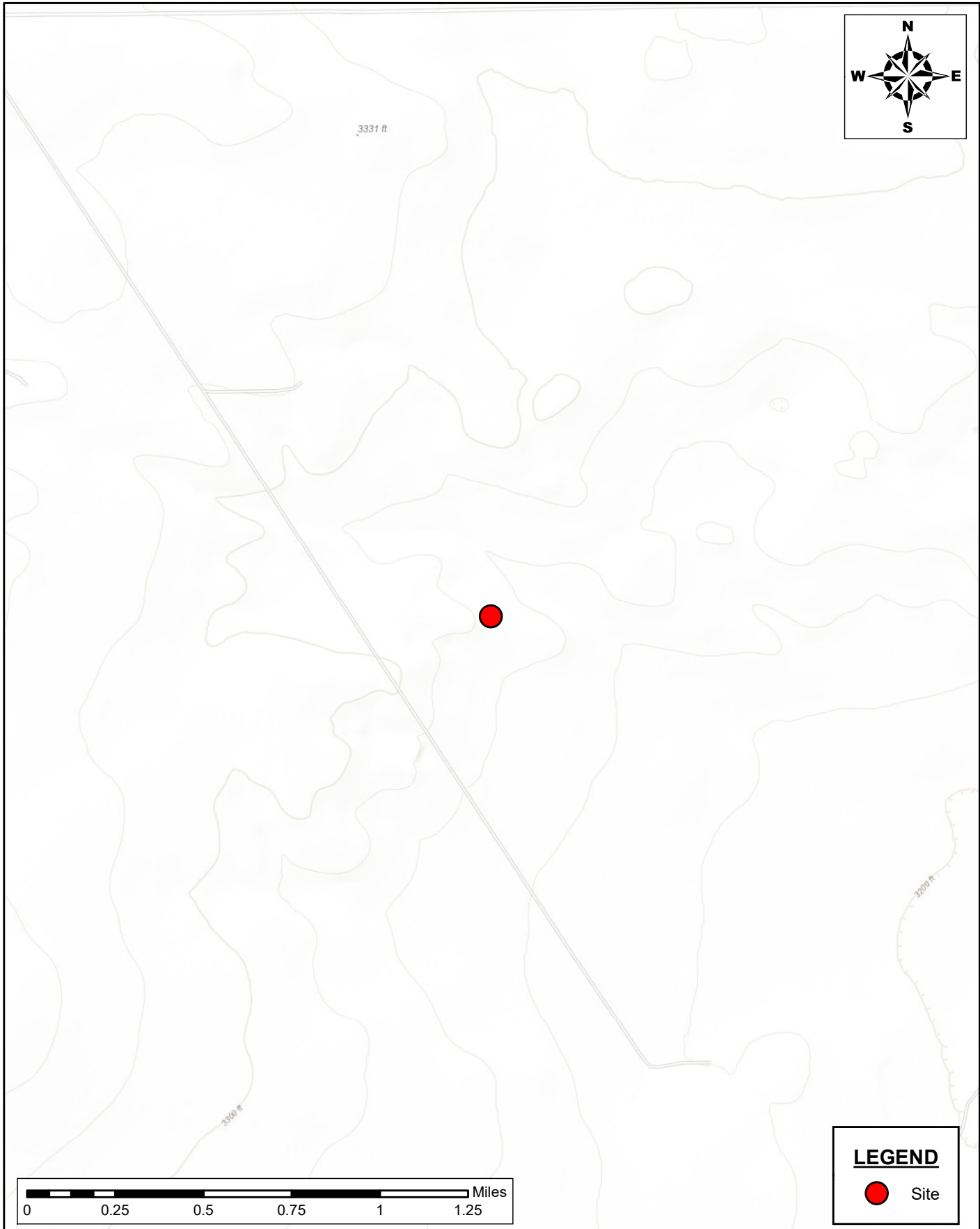
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FIGURE 1

SHEET NUMBER:

1 of 1

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**SITE LOCATION MAP
ASSESSMENT REPORT**
SITE RAIL SPLITTER 15 CTB 6
DEVON ENERGY PRODUCTION COMPANY, LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 8/2/2022 PROJECT #: 225905



New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
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- 1. Base Image: ESRI Maps & Data 2013
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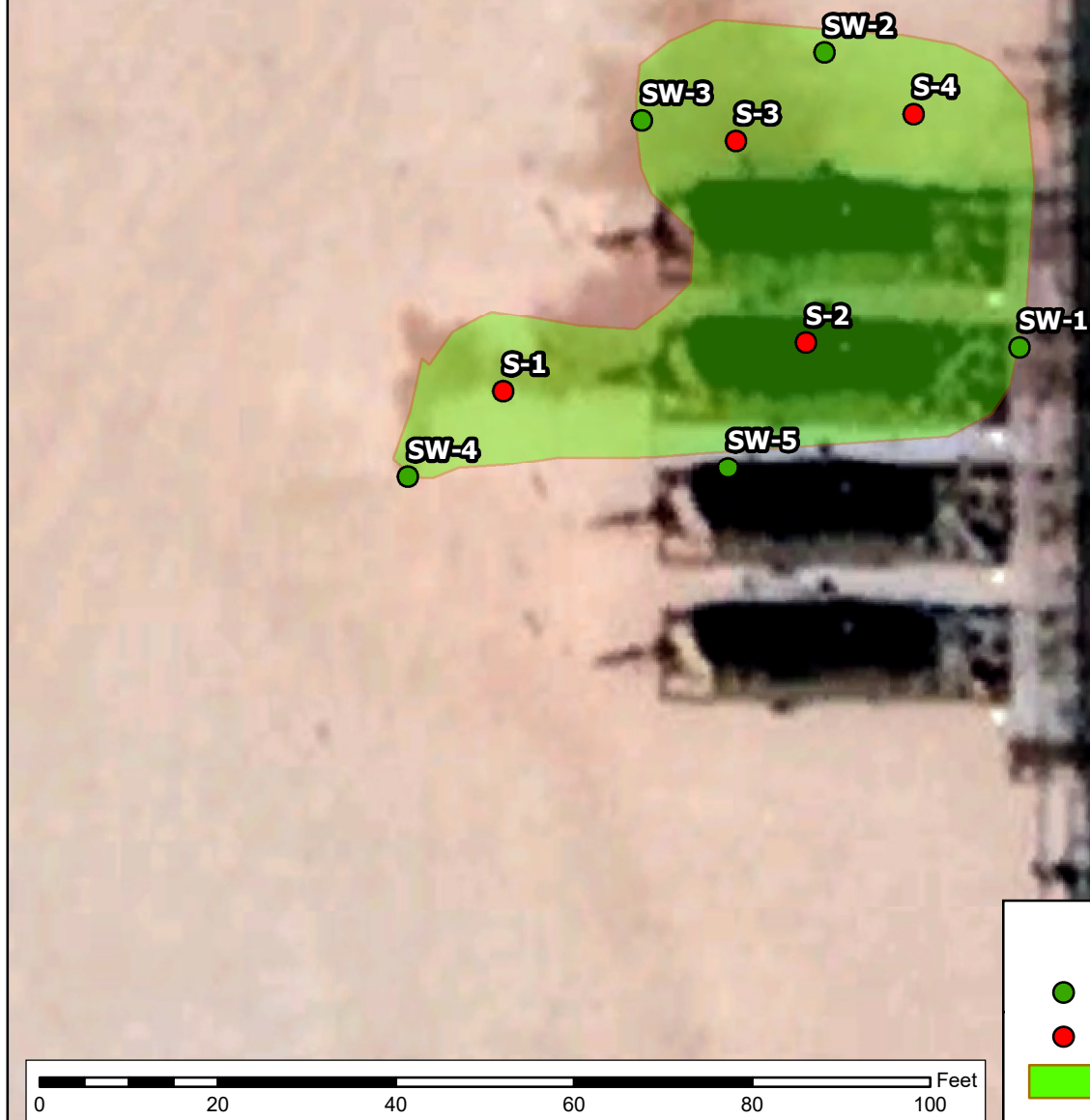
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FIGURE 2

SHEET NUMBER:

1 of 1

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**LEGEND**

- Horizontal Sample
- Vertical Sample
- Area of Concern

**SITE LOCATION MAP
ASSESSMENT REPORT**
RAIL SPLITTER 15 CTB 6
DEVON ENERGY PRODUCTION COMPANY, LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 1/16/2023 PROJECT #: 225905



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

NOTES:

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

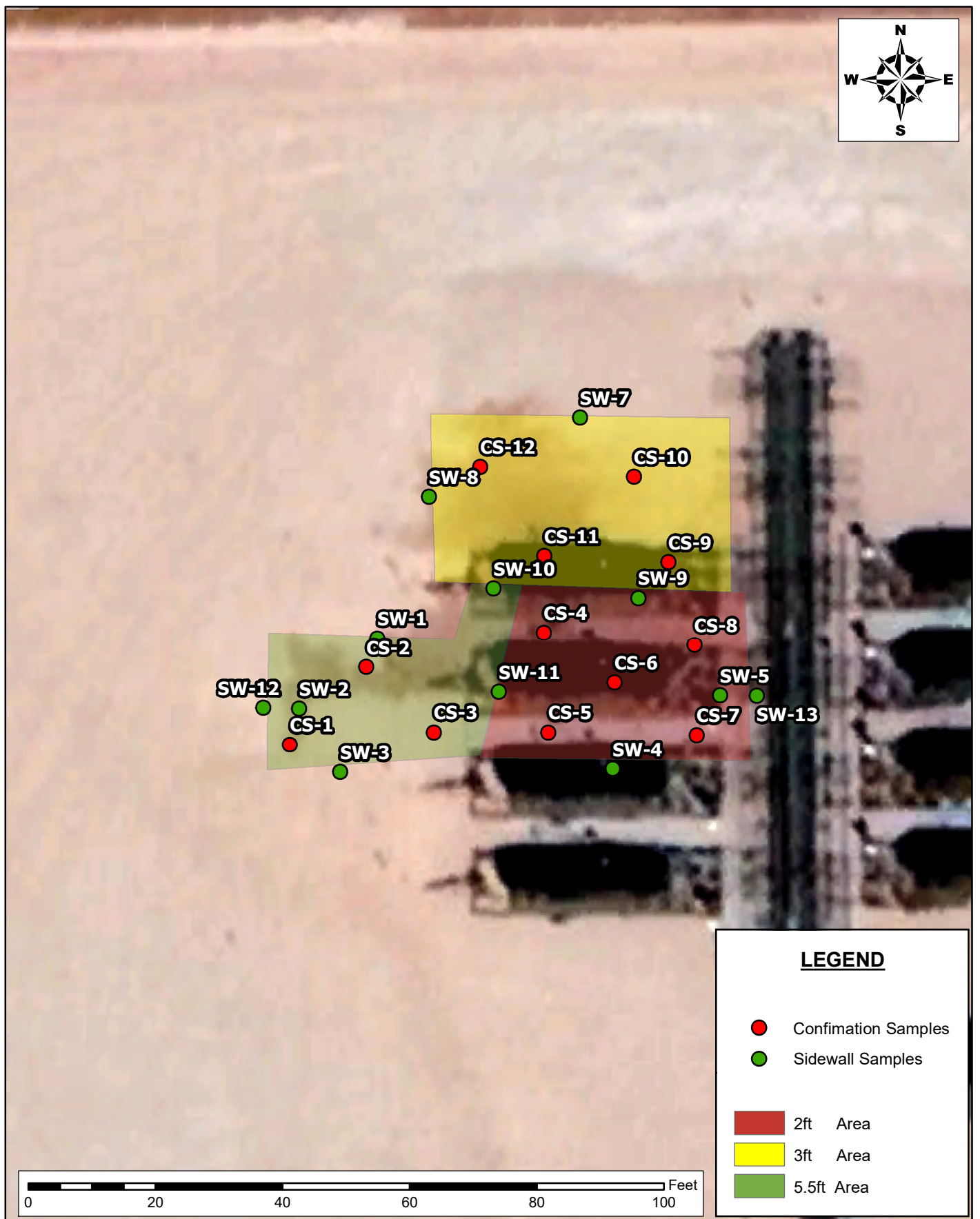
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FIGURE 3

SHEET NUMBER:

1 of 1

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**EXCAVATION MAP
ASSESSMENT REPORT**
RAIL SPLITTER 15 CTB 6
DEVON ENERGY PRODUCTION COMPANY, LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown

Date: 1/16/2023

PROJECT #: 225905



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

NOTES:

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

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

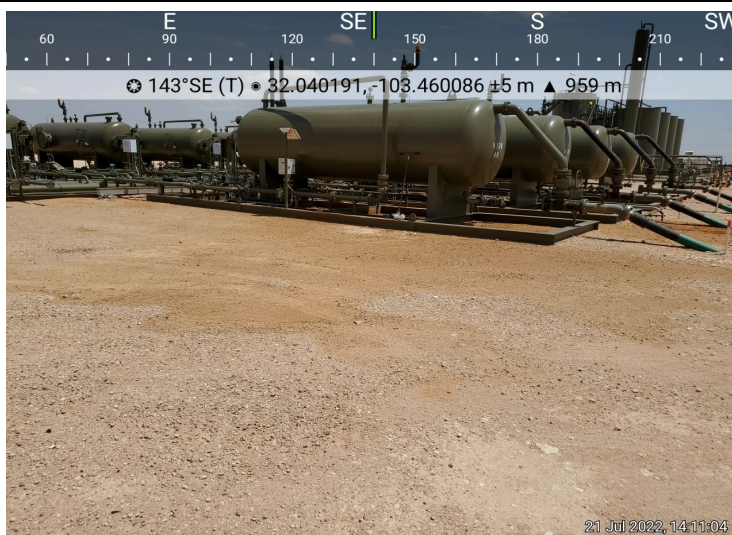
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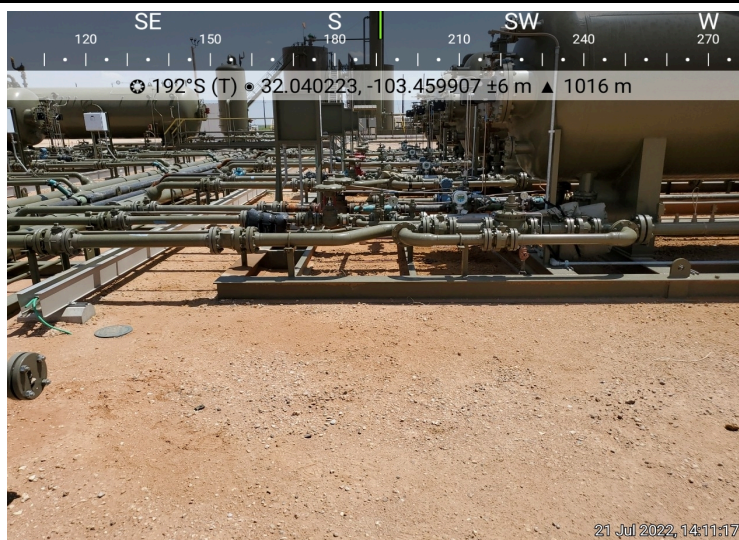
Devon Energy Production Company

Photograph No. 1**Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**

Visibly stained soil.

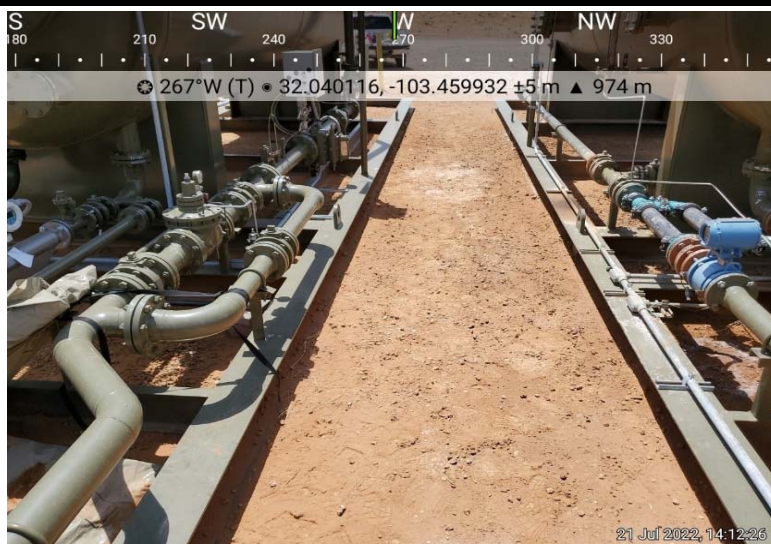
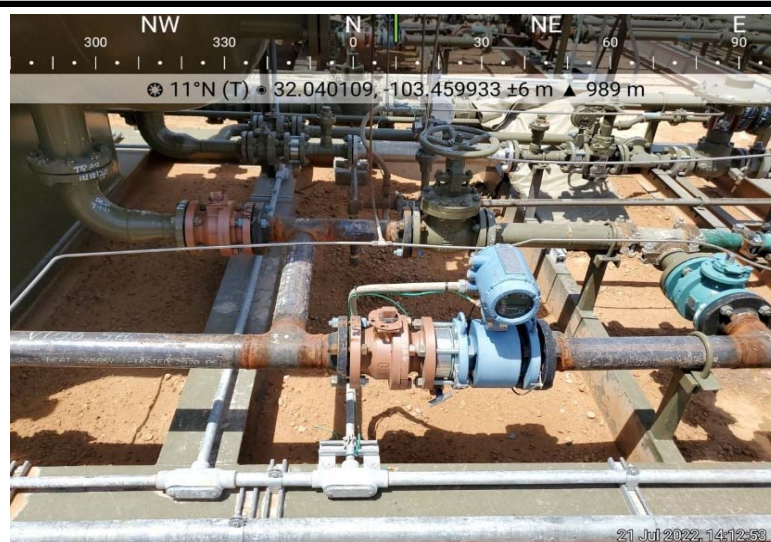
**Photograph No. 2****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**

Visibly stained area.

**Photograph No. 3****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:** Edge of stained area.

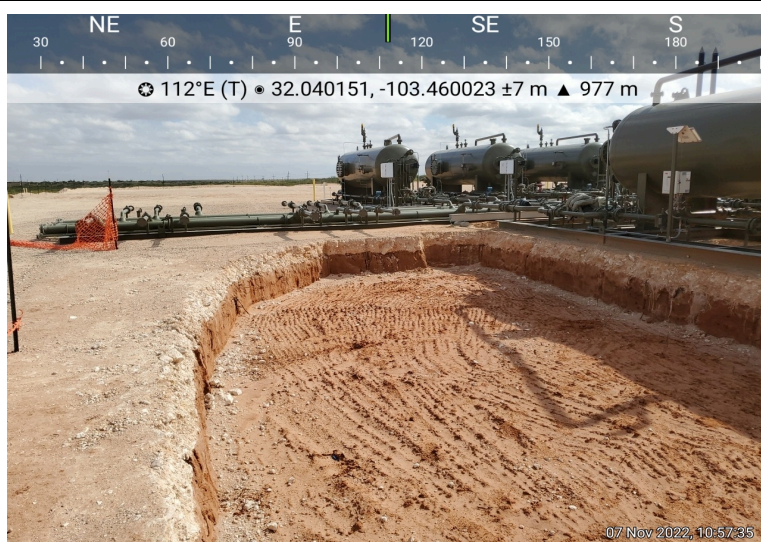
PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 4**Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
visibly discolored soil.**Photograph No. 5****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
visibly discolored soil.**Photograph No. 6****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
visibly discolored soil.

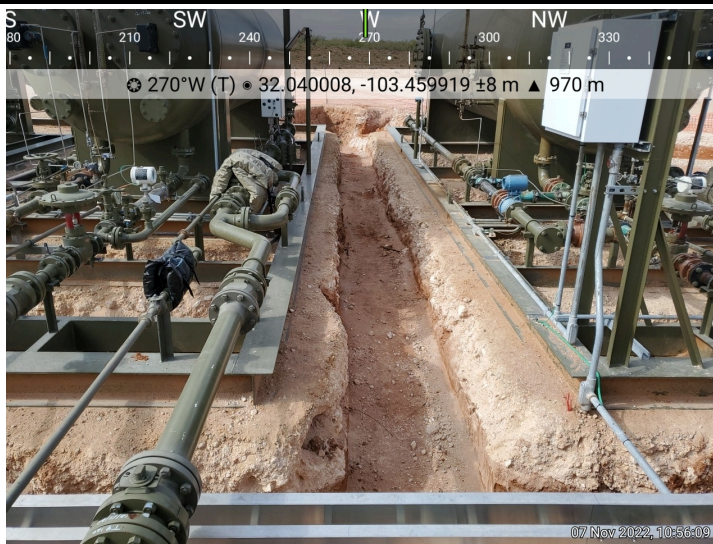
PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 7**Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
Area of excavation.**Photograph No. 8****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
Area of excavation.**Photograph No. 9****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
Area of excavation.

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 10**Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
Area of excavation.**Photograph No. 11****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
Area of excavation.**Photograph No. 12****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
Area of excavation.

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2623-1

Laboratory Sample Delivery Group: 225905

Client Project/Site: Rail Splitter 15 CTB 6

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

8/2/2022 3:43:11 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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results through



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

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

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Laboratory Job ID: 890-2623-1
SDG: 225905

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Definitions/Glossary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Job ID: 890-2623-1

Laboratory: Eurofins Carlsbad

Narrative

**Job Narrative
890-2623-1**

Receipt

The samples were received on 7/22/2022 8:52 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-30687 and analytical batch 880-31048 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 880-30703 and analytical batch 880-31048 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 / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-31170 and analytical batch 880-31148 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: Surrogate recovery for the following sample was outside control limits: S-1 (4-4.5) (890-2623-10). 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.

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-30667 and analytical batch 880-30645 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.

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

HPLC/IC

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

Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-1

Lab Sample ID: 890-2623-1

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		07/26/22 11:38	07/30/22 13:58	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		07/26/22 11:38	07/30/22 13:58	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		07/26/22 11:38	07/30/22 13:58	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		07/26/22 11:38	07/30/22 13:58	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		07/26/22 11:38	07/30/22 13:58	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		07/26/22 11:38	07/30/22 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/26/22 11:38	07/30/22 13:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/26/22 11:38	07/30/22 13:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1500		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	80.8		50.0		mg/Kg		07/26/22 10:45	07/26/22 21:30	1
Diesel Range Organics (Over C10-C28)	1420	F1	50.0		mg/Kg		07/26/22 10:45	07/26/22 21:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	07/26/22 10:45	07/26/22 21:30	1
o-Terphenyl	93		70 - 130	07/26/22 10:45	07/26/22 21:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1440		25.1		mg/Kg			07/27/22 05:22	5

Client Sample ID: SW-2

Lab Sample ID: 890-2623-2

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2

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 11:38	07/30/22 14:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 14:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	54	S1-	70 - 130	07/26/22 11:38	07/30/22 14:18	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-2

Lab Sample ID: 890-2623-2

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	07/26/22 11:38	07/30/22 14:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1080		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/26/22 22:36	1
Diesel Range Organics (Over C10-C28)	1080		49.9		mg/Kg		07/26/22 10:45	07/26/22 22:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/26/22 22:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/26/22 10:45	07/26/22 22:36	1
o-Terphenyl	104		70 - 130				07/26/22 10:45	07/26/22 22:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	955		4.97		mg/Kg			07/27/22 05:46	1

Client Sample ID: SW-3

Lab Sample ID: 890-2623-3

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 3

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 11:38	07/30/22 14:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/26/22 11:38	07/30/22 14:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/26/22 11:38	07/30/22 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	07/26/22 11:38	07/30/22 14:38	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/26/22 11:38	07/30/22 14:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1100		50.0		mg/Kg			07/27/22 08:23	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-3

Lab Sample ID: 890-2623-3

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	61.7		50.0		mg/Kg		07/26/22 10:45	07/26/22 22:57	1
Diesel Range Organics (Over C10-C28)	1040		50.0		mg/Kg		07/26/22 10:45	07/26/22 22:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/26/22 10:45	07/26/22 22:57	1
o-Terphenyl	121		70 - 130				07/26/22 10:45	07/26/22 22:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.3		5.03		mg/Kg			07/27/22 05:53	1

Client Sample ID: SW-4

Lab Sample ID: 890-2623-4

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
Toluene	0.00245		0.00201		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	40	S1-	70 - 130				07/26/22 11:38	07/30/22 14:59	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/26/22 11:38	07/30/22 14:59	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			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	368		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 23:19	1
Diesel Range Organics (Over C10-C28)	368		50.0		mg/Kg		07/26/22 10:45	07/26/22 23:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				07/26/22 10:45	07/26/22 23:19	1
o-Terphenyl	97		70 - 130				07/26/22 10:45	07/26/22 23:19	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-4

Lab Sample ID: 890-2623-4

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.9		4.96		mg/Kg			07/27/22 06:01	1

Client Sample ID: SW-5

Lab Sample ID: 890-2623-5

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
o-Xylene	0.00308		0.00200		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				07/26/22 11:38	07/30/22 15:19	1
1,4-Difluorobenzene (Surr)	82		70 - 130				07/26/22 11:38	07/30/22 15:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	812		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/26/22 23:41	1
Diesel Range Organics (Over C10-C28)	812		49.9		mg/Kg		07/26/22 10:45	07/26/22 23:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/26/22 23:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/26/22 10:45	07/26/22 23:41	1
o-Terphenyl	104		70 - 130				07/26/22 10:45	07/26/22 23:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6610		25.0		mg/Kg			07/27/22 06:09	5

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-6

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 15:40	1
Toluene	0.0198		0.00199		mg/Kg		07/26/22 11:38	07/30/22 15:40	1
Ethylbenzene	0.0291		0.00199		mg/Kg		07/26/22 11:38	07/30/22 15:40	1
m-Xylene & p-Xylene	0.126		0.00398		mg/Kg		07/26/22 11:38	07/30/22 15:40	1
o-Xylene	0.0782		0.00199		mg/Kg		07/26/22 11:38	07/30/22 15:40	1
Xylenes, Total	0.204		0.00398		mg/Kg		07/26/22 11:38	07/30/22 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	07/26/22 11:38	07/30/22 15:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/26/22 11:38	07/30/22 15:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.253		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1820		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	217		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:03	1
Diesel Range Organics (Over C10-C28)	1600		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 00:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	07/26/22 10:45	07/27/22 00:03	1
o-Terphenyl	98		70 - 130	07/26/22 10:45	07/27/22 00:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.4		5.00		mg/Kg			07/27/22 06:33	1

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

Lab Sample ID: 890-2623-7

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:00	1
Toluene	0.0284		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:00	1
Ethylbenzene	0.0280		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:00	1
m-Xylene & p-Xylene	0.119		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:00	1
o-Xylene	0.0731		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:00	1
Xylenes, Total	0.192		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/26/22 11:38	07/30/22 16:00	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-7

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85		70 - 130	07/26/22 11:38	07/30/22 16:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.249		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2080		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	245		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:24	1
Diesel Range Organics (Over C10-C28)	1830		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 00:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/26/22 10:45	07/27/22 00:24	1
o-Terphenyl	100		70 - 130				07/26/22 10:45	07/27/22 00:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		5.05		mg/Kg			07/27/22 06:41	1

Client Sample ID: S-1 (2-2.5)

Lab Sample ID: 890-2623-8

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2 - 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:21	1
Toluene	0.0648		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:21	1
Ethylbenzene	0.0756		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:21	1
m-Xylene & p-Xylene	0.317		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:21	1
o-Xylene	0.197		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:21	1
Xylenes, Total	0.514		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/26/22 11:38	07/30/22 16:21	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130	07/26/22 11:38	07/30/22 16:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.654		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	623		49.9		mg/Kg			07/27/22 08:23	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-1 (2-2.5)

Lab Sample ID: 890-2623-8

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	161		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:46	1
Diesel Range Organics (Over C10-C28)	462		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				07/26/22 10:45	07/27/22 00:46	1
o-Terphenyl	94		70 - 130				07/26/22 10:45	07/27/22 00:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.5		5.02		mg/Kg			07/27/22 06:48	1

Client Sample ID: S-1 (3-3.5)

Lab Sample ID: 890-2623-9

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 3 - 3.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
Toluene	0.0817		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
Ethylbenzene	0.258		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
m-Xylene & p-Xylene	0.750		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
o-Xylene	0.379		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
Xylenes, Total	1.13		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130				07/26/22 11:38	07/30/22 16:41	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/26/22 11:38	07/30/22 16:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.47		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1260		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	514		50.0		mg/Kg		07/26/22 10:45	07/27/22 01:07	1
Diesel Range Organics (Over C10-C28)	745		50.0		mg/Kg		07/26/22 10:45	07/27/22 01:07	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/26/22 10:45	07/27/22 01:07	1
o-Terphenyl	97		70 - 130				07/26/22 10:45	07/27/22 01:07	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-1 (3-3.5)

Lab Sample ID: 890-2623-9

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 3 - 3.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.53		4.96		mg/Kg			07/27/22 06:56	1

Client Sample ID: S-1 (4-4.5)

Lab Sample ID: 890-2623-10

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 4 - 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/01/22 09:07	08/01/22 17:39	1
Toluene	0.0985		0.00199		mg/Kg		08/01/22 09:07	08/01/22 17:39	1
Ethylbenzene	0.352		0.00199		mg/Kg		08/01/22 09:07	08/01/22 17:39	1
m-Xylene & p-Xylene	2.12		0.398		mg/Kg		08/02/22 09:44	08/02/22 15:39	100
o-Xylene	0.596		0.199		mg/Kg		08/02/22 09:44	08/02/22 15:39	100
Xylenes, Total	2.72		0.398		mg/Kg		08/02/22 09:44	08/02/22 15:39	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	393	S1+	70 - 130				08/01/22 09:07	08/01/22 17:39	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/01/22 09:07	08/01/22 17:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.17		0.398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1510		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	740		50.0		mg/Kg		07/26/22 10:45	07/27/22 01:29	1
Diesel Range Organics (Over C10-C28)	771		50.0		mg/Kg		07/26/22 10:45	07/27/22 01:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 01:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/26/22 10:45	07/27/22 01:29	1
o-Terphenyl	96		70 - 130				07/26/22 10:45	07/27/22 01:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		5.04		mg/Kg			07/27/22 07:04	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-11

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 18:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 18:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 18:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 18:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 18:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/26/22 11:38	07/30/22 18:53	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/26/22 11:38	07/30/22 18:53	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			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1980		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 02:12	1
Diesel Range Organics (Over C10-C28)	1980		50.0		mg/Kg		07/26/22 10:45	07/27/22 02:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	07/26/22 10:45	07/27/22 02:12	1
o-Terphenyl	103		70 - 130	07/26/22 10:45	07/27/22 02:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1640		25.2		mg/Kg			07/27/22 07:12	5

Client Sample ID: S-2 (1-1.5)

Lab Sample ID: 890-2623-12

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 19:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 19:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 19:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 19:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 19:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/26/22 11:38	07/30/22 19:13	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-2 (1-1.5)

Lab Sample ID: 890-2623-12

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	07/26/22 11:38	07/30/22 19:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	639		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 02:34	1
Diesel Range Organics (Over C10-C28)	639		49.9		mg/Kg		07/26/22 10:45	07/27/22 02:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 02:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/26/22 10:45	07/27/22 02:34	1
o-Terphenyl	97		70 - 130				07/26/22 10:45	07/27/22 02:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		4.97		mg/Kg			07/27/22 07:35	1

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

Lab Sample ID: 890-2623-13

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:34	1
Toluene	0.00525		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:34	1
Ethylbenzene	0.0171		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:34	1
m-Xylene & p-Xylene	0.0412		0.00398		mg/Kg		07/26/22 11:38	07/30/22 19:34	1
o-Xylene	0.0502		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:34	1
Xylenes, Total	0.0914		0.00398		mg/Kg		07/26/22 11:38	07/30/22 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/26/22 11:38	07/30/22 19:34	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/26/22 11:38	07/30/22 19:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.114		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1860		49.8		mg/Kg			07/27/22 08:23	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-13

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	222		49.8		mg/Kg		07/26/22 10:45	07/27/22 02:55	1
Diesel Range Organics (Over C10-C28)	1640		49.8		mg/Kg		07/26/22 10:45	07/27/22 02:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/26/22 10:45	07/27/22 02:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/26/22 10:45	07/27/22 02:55	1
o-Terphenyl	95		70 - 130				07/26/22 10:45	07/27/22 02:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		5.00		mg/Kg			07/27/22 07:43	1

Client Sample ID: S-3 (1-1.5)

Lab Sample ID: 890-2623-14

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
Toluene	0.00944		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
Ethylbenzene	0.0310		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
m-Xylene & p-Xylene	0.0733		0.00398		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
o-Xylene	0.0901		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
Xylenes, Total	0.163		0.00398		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/26/22 11:38	07/30/22 19:54	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/26/22 11:38	07/30/22 19:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.204		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1620		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	364		50.0		mg/Kg		07/26/22 10:45	07/27/22 03:17	1
Diesel Range Organics (Over C10-C28)	1260		50.0		mg/Kg		07/26/22 10:45	07/27/22 03:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/26/22 10:45	07/27/22 03:17	1
o-Terphenyl	91		70 - 130				07/26/22 10:45	07/27/22 03:17	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-3 (1-1.5)

Lab Sample ID: 890-2623-14

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		4.99		mg/Kg			07/27/22 08:07	1

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

Lab Sample ID: 890-2623-15

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
Ethylbenzene	0.00265		0.00199		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/26/22 11:38	07/30/22 20:15	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/26/22 11:38	07/30/22 20:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.5		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 03:38	1
Diesel Range Organics (Over C10-C28)	52.5		50.0		mg/Kg		07/26/22 10:45	07/27/22 03:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/26/22 10:45	07/27/22 03:38	1
o-Terphenyl	110		70 - 130				07/26/22 10:45	07/27/22 03:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		4.96		mg/Kg			07/27/22 08:15	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-4 (1-1.5)

Lab Sample ID: 890-2623-16

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 20:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 20:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 20:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/26/22 11:38	07/30/22 20:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 20:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/26/22 11:38	07/30/22 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/26/22 11:38	07/30/22 20:35	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/26/22 11:38	07/30/22 20:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	722		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 04:00	1
Diesel Range Organics (Over C10-C28)	722		50.0		mg/Kg		07/26/22 10:45	07/27/22 04:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/26/22 10:45	07/27/22 04:00	1
o-Terphenyl	114		70 - 130	07/26/22 10:45	07/27/22 04:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1720		25.0		mg/Kg			07/27/22 08:23	5

Client Sample ID: S-4 (2-2.5)

Lab Sample ID: 890-2623-17

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2 - 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 20:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 20:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 20:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 20:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 20:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/26/22 11:38	07/30/22 20:55	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-4 (2-2.5)

Lab Sample ID: 890-2623-17

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2 - 2.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	07/26/22 11:38	07/30/22 20:55	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			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	517		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 04:21	1
Diesel Range Organics (Over C10-C28)	517		49.9		mg/Kg		07/26/22 10:45	07/27/22 04:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/26/22 10:45	07/27/22 04:21	1
o-Terphenyl	114		70 - 130				07/26/22 10:45	07/27/22 04:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1520		24.9		mg/Kg			07/27/22 08:30	5

Surrogate Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-17204-A-99-C MS	Matrix Spike	110	94
880-17204-A-99-D MSD	Matrix Spike Duplicate	107	93
880-17508-A-3-F MS	Matrix Spike	103	98
880-17508-A-3-G MSD	Matrix Spike Duplicate	107	97
880-17525-A-1-C MS	Matrix Spike	104	99
880-17525-A-1-D MSD	Matrix Spike Duplicate	105	98
890-2623-1	SW-1	105	97
890-2623-1 MS	SW-1	108	98
890-2623-1 MSD	SW-1	99	100
890-2623-2	SW-2	54 S1-	105
890-2623-3	SW-3	90	104
890-2623-4	SW-4	40 S1-	95
890-2623-5	SW-5	107	82
890-2623-6	S-1 (0-1)	112	87
890-2623-7	S-1 (1-1.5)	102	85
890-2623-8	S-1 (2-2.5)	98	65 S1-
890-2623-9	S-1 (3-3.5)	151 S1+	95
890-2623-10	S-1 (4-4.5)	393 S1+	92
890-2623-11	S-2 (0-1)	101	99
890-2623-12	S-2 (1-1.5)	107	100
890-2623-13	S-3 (0-1)	107	92
890-2623-14	S-3 (1-1.5)	101	93
890-2623-15	S-4 (0-1)	102	91
890-2623-16	S-4 (1-1.5)	104	102
890-2623-17	S-4 (2-2.5)	105	98
890-2688-A-22-B MS	Matrix Spike	96	93
890-2688-A-22-C MSD	Matrix Spike Duplicate	89	83
LCS 880-30687/1-A	Lab Control Sample	109	101
LCS 880-30703/1-A	Lab Control Sample	101	90
LCS 880-31155/1-A	Lab Control Sample	100	99
LCS 880-31170/1-A	Lab Control Sample	103	100
LCS 880-31290/1-A	Lab Control Sample	98	98
LCSD 880-30687/2-A	Lab Control Sample Dup	57 S1-	94
LCSD 880-30703/2-A	Lab Control Sample Dup	97	94
LCSD 880-31155/2-A	Lab Control Sample Dup	98	96
LCSD 880-31170/2-A	Lab Control Sample Dup	96	94
LCSD 880-31290/2-A	Lab Control Sample Dup	114	101
MB 880-30687/5-A	Method Blank	95	101
MB 880-30703/5-A	Method Blank	93	96
MB 880-31155/5-A	Method Blank	98	89
MB 880-31170/5-A	Method Blank	99	83
MB 880-31290/5-A	Method Blank	104	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: NT Global

Job ID: 890-2623-1

Project/Site: Rail Splitter 15 CTB 6

SDG: 225905

Method: 8015B NM - Diesel Range Organics (DRO) (GC)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2623-1	SW-1	78	93
890-2623-1 MS	SW-1	83	88
890-2623-1 MSD	SW-1	85	91
890-2623-2	SW-2	102	104
890-2623-3	SW-3	105	121
890-2623-4	SW-4	87	97
890-2623-5	SW-5	97	104
890-2623-6	S-1 (0-1)	89	98
890-2623-7	S-1 (1-1.5)	90	100
890-2623-8	S-1 (2-2.5)	87	94
890-2623-9	S-1 (3-3.5)	97	97
890-2623-10	S-1 (4-4.5)	96	96
890-2623-11	S-2 (0-1)	90	103
890-2623-12	S-2 (1-1.5)	90	97
890-2623-13	S-3 (0-1)	95	95
890-2623-14	S-3 (1-1.5)	96	91
890-2623-15	S-4 (0-1)	96	110
890-2623-16	S-4 (1-1.5)	102	114
890-2623-17	S-4 (2-2.5)	103	114
LCS 880-30667/2-A	Lab Control Sample	115	116
LCSD 880-30667/3-A	Lab Control Sample Dup	91	102
MB 880-30667/1-A	Method Blank	87	102

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30687/5-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 13:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 13:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 13:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/26/22 11:38	07/30/22 13:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 13:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/26/22 11:38	07/30/22 13:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/26/22 11:38	07/30/22 13:28	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/26/22 11:38	07/30/22 13:28	1

Lab Sample ID: LCS 880-30687/1-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09746		mg/Kg		97	70 - 130
Toluene	0.100	0.1112		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.09449		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1906		mg/Kg		95	70 - 130
o-Xylene	0.100	0.1111		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-30687/2-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30687

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08535		mg/Kg		85	70 - 130	13	35
Toluene	0.100	0.1067		mg/Kg		107	70 - 130	4	35
Ethylbenzene	0.100	0.09872		mg/Kg		99	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2048		mg/Kg		102	70 - 130	7	35
o-Xylene	0.100	0.1208		mg/Kg		121	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	57	S1-	70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-2623-1 MS

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30687

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.100	0.07238		mg/Kg		72	70 - 130
Toluene	<0.00199	U F1	0.100	0.06879	F1	mg/Kg		68	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-1 MS

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30687

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.100	0.04505	F1	mg/Kg		43	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.09057	F1	mg/Kg		43	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.05193	F1	mg/Kg		50	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-2623-1 MSD

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30687

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0992	0.06858	F1	mg/Kg		69	70 - 130	5	35
Toluene	<0.00199	U F1	0.0992	0.06605	F1	mg/Kg		66	70 - 130	4	35
Ethylbenzene	<0.00199	U F1	0.0992	0.04301	F1	mg/Kg		42	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U F1	0.198	0.08435	F1	mg/Kg		41	70 - 130	7	35
o-Xylene	<0.00199	U F1	0.0992	0.04861	F1	mg/Kg		47	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-30703/5-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 13:48	07/31/22 01:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 13:48	07/31/22 01:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 13:48	07/31/22 01:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/26/22 13:48	07/31/22 01:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 13:48	07/31/22 01:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/26/22 13:48	07/31/22 01:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/26/22 13:48	07/31/22 01:06	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/26/22 13:48	07/31/22 01:06	1

Lab Sample ID: LCS 880-30703/1-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07529		mg/Kg		75	70 - 130
Toluene	0.100	0.09547		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.08300		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1680		mg/Kg		84	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: LCS 880-30703/1-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09893		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-30703/2-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30703

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07473		mg/Kg		75	70 - 130	1	35
Toluene	0.100	0.09089		mg/Kg		91	70 - 130	5	35
Ethylbenzene	0.100	0.07880		mg/Kg		79	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1596		mg/Kg		80	70 - 130	5	35
o-Xylene	0.100	0.09473		mg/Kg		95	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-17204-A-99-C MS

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 30703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.05327	F1	mg/Kg		53	70 - 130
Toluene	<0.00201	U F1	0.100	0.06370	F1	mg/Kg		64	70 - 130
Ethylbenzene	<0.00201	U F1	0.100	0.05143	F1	mg/Kg		51	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1050	F1	mg/Kg		52	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.06058	F1	mg/Kg		60	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-17204-A-99-D MSD

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30703

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0996	0.05952	F1	mg/Kg		60	70 - 130	11	35
Toluene	<0.00201	U F1	0.0996	0.06786	F1	mg/Kg		68	70 - 130	6	35
Ethylbenzene	<0.00201	U F1	0.0996	0.05352	F1	mg/Kg		53	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1059	F1	mg/Kg		52	70 - 130	1	35
o-Xylene	<0.00201	U F1	0.0996	0.05896	F1	mg/Kg		59	70 - 130	3	35

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 880-17204-A-99-D MSD

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30703

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-31155/5-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31155

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				08/01/22 09:07	08/01/22 11:15	1	
1,4-Difluorobenzene (Surr)	89		70 - 130				08/01/22 09:07	08/01/22 11:15	1	

Lab Sample ID: LCS 880-31155/1-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31155

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.09936		mg/Kg		99	70 - 130			
Toluene	0.100	0.09630		mg/Kg		96	70 - 130			
Ethylbenzene	0.100	0.09817		mg/Kg		98	70 - 130			
m-Xylene & p-Xylene	0.200	0.1988		mg/Kg		99	70 - 130			
o-Xylene	0.100	0.1075		mg/Kg		107	70 - 130			

	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	100		70 - 130							
1,4-Difluorobenzene (Surr)	99		70 - 130							

Lab Sample ID: LCSD 880-31155/2-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31155

			Spike	LCSD	LCSD						RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.09608		mg/Kg		96	70 - 130	3	35
Toluene			0.100	0.09311		mg/Kg		93	70 - 130	3	35
Ethylbenzene			0.100	0.09442		mg/Kg		94	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1886		mg/Kg		94	70 - 130	5	35
o-Xylene			0.100	0.1018		mg/Kg		102	70 - 130	5	35
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		70 - 130								

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: LCSD 880-31155/2-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31155

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

Lab Sample ID: 880-17525-A-1-C MS

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31155

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.101	0.09026		mg/Kg		89	70 - 130	
Toluene	<0.00201	U	0.101	0.08643		mg/Kg		86	70 - 130	
Ethylbenzene	<0.00201	U	0.101	0.08833		mg/Kg		87	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1774		mg/Kg		88	70 - 130	
o-Xylene	<0.00201	U	0.101	0.09473		mg/Kg		94	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-17525-A-1-D MSD

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31155

	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	0.09271		mg/Kg		93	70 - 130	3	35	
Toluene	<0.00201	U	0.100	0.09050		mg/Kg		90	70 - 130	5	35	
Ethylbenzene	<0.00201	U	0.100	0.09124		mg/Kg		91	70 - 130	3	35	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1844		mg/Kg		92	70 - 130	4	35	
o-Xylene	<0.00201	U	0.100	0.09887		mg/Kg		99	70 - 130	4	35	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-31170/5-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31170

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 10:04	08/01/22 22:45	1	
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 10:04	08/01/22 22:45	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 10:04	08/01/22 22:45	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/01/22 10:04	08/01/22 22:45	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 10:04	08/01/22 22:45	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/01/22 10:04	08/01/22 22:45	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
4-Bromofluorobenzene (Surr)	99		70 - 130	08/01/22 10:04	08/01/22 22:45	1				
1,4-Difluorobenzene (Surr)	83		70 - 130	08/01/22 10:04	08/01/22 22:45	1				

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: LCS 880-31170/1-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1033		mg/Kg		103	70 - 130
Toluene	0.100	0.09939		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2046		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1127		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-31170/2-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31170

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09968		mg/Kg		100	70 - 130	4	35
Toluene	0.100	0.1000		mg/Kg		100	70 - 130	1	35
Ethylbenzene	0.100	0.1019		mg/Kg		102	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2054		mg/Kg		103	70 - 130	0	35
o-Xylene	0.100	0.1112		mg/Kg		111	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-2688-A-22-B MS

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.0998	0.01203	F1	mg/Kg		12	70 - 130
Toluene	<0.00200	U F1	0.0998	0.01160	F1	mg/Kg		11	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.01504	F1	mg/Kg		13	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.03299	F1	mg/Kg		15	70 - 130
o-Xylene	0.00202	F1	0.0998	0.02103	F1	mg/Kg		19	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-2688-A-22-C MSD

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31170

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.01183	F1	mg/Kg		12	70 - 130	2	35
Toluene	<0.00200	U F1	0.100	0.01270	F1	mg/Kg		12	70 - 130	9	35
Ethylbenzene	<0.00200	U F1	0.100	0.01492	F1	mg/Kg		13	70 - 130	1	35

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2688-A-22-C MSD

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31170

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U F1	0.201	0.03131	F1	mg/Kg		14	70 - 130	5	35
o-Xylene	0.00202	F1	0.100	0.01987	F1	mg/Kg		18	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: MB 880-31290/5-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/02/22 09:44	08/02/22 12:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/02/22 09:44	08/02/22 12:12	1
1,4-Difluorobenzene (Surr)	88		70 - 130	08/02/22 09:44	08/02/22 12:12	1

Lab Sample ID: LCS 880-31290/1-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1124		mg/Kg		112	70 - 130
Toluene	0.100	0.1082		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1089		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2174		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1246		mg/Kg		125	70 - 130

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

Lab Sample ID: LCSD 880-31290/2-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1108		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.1082		mg/Kg		108	70 - 130	0	35
Ethylbenzene	0.100	0.1122		mg/Kg		112	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2300		mg/Kg		115	70 - 130	6	35
o-Xylene	0.100	0.1303		mg/Kg		130	70 - 130	4	35

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-17508-A-3-F MS

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31290

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.0998	0.09241		mg/Kg		93	70 - 130	
Toluene	<0.00201	U	0.0998	0.08809		mg/Kg		88	70 - 130	
Ethylbenzene	<0.00201	U	0.0998	0.08837		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1783		mg/Kg		89	70 - 130	
o-Xylene	<0.00201	U	0.0998	0.09859		mg/Kg		99	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-17508-A-3-G MSD

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31290

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00201	U	0.0994	0.08109		mg/Kg		82	70 - 130	13	35	
Toluene	<0.00201	U	0.0994	0.08003		mg/Kg		80	70 - 130	10	35	
Ethylbenzene	<0.00201	U	0.0994	0.08217		mg/Kg		83	70 - 130	7	35	
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1673		mg/Kg		84	70 - 130	6	35	
o-Xylene	<0.00201	U	0.0994	0.09239		mg/Kg		93	70 - 130	6	35	

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

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

Lab Sample ID: MB 880-30667/1-A

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30667

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 20:25		1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 20:25		1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 20:25		1	

	MB	MB									
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac				
1-Chlorooctane	87		70 - 130	07/26/22 10:45	07/26/22 20:25		1				
o-Terphenyl	102		70 - 130	07/26/22 10:45	07/26/22 20:25		1				

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: LCS 880-30667/2-A

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30667

Analyte			Spike	LCS	LCS				%Rec		
			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1069		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	921.7		mg/Kg		92	70 - 130		
		LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	116		70 - 130								

Lab Sample ID: LCSD 880-30667/3-A

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30667

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1061		mg/Kg		106	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	847.4		mg/Kg		85	70 - 130	8	20
								</			

Lab Sample ID: 890-2623-1 MS

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30667

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	80.8		1000	1129		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	1420	F1	1000	1866	F1	mg/Kg		45	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	83		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: 890-2623-1 MSD

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30667

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	80.8		999	1107		mg/Kg		103	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1420	F1	999	1976	F1	mg/Kg		56	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	85		70 - 130								

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-1 MSD

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30667

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	91		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30625/1-A

Matrix: Solid

Analysis Batch: 30693

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			07/27/22 04:59		1

Lab Sample ID: LCS 880-30625/2-A

Matrix: Solid

Analysis Batch: 30693

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			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 880-30625/3-A

Matrix: Solid

Analysis Batch: 30693

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	262.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-2623-1 MS

Matrix: Solid

Analysis Batch: 30693

Client Sample ID: SW-1

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1440		2510	4156		mg/Kg		108	90 - 110	

Lab Sample ID: 890-2623-1 MSD

Matrix: Solid

Analysis Batch: 30693

Client Sample ID: SW-1

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1440		2510	4167		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 890-2623-11 MS

Matrix: Solid

Analysis Batch: 30693

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

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1640		2520	4348		mg/Kg		107	90 - 110	

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2623-11 MSD							Client Sample ID: S-2 (0-1)					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 30693												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	1640		2520	4346		mg/Kg		107	90 - 110	0	20	

QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

GC VOA

Prep Batch: 30687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	5035	
890-2623-2	SW-2	Total/NA	Solid	5035	
890-2623-3	SW-3	Total/NA	Solid	5035	
890-2623-4	SW-4	Total/NA	Solid	5035	
890-2623-5	SW-5	Total/NA	Solid	5035	
890-2623-6	S-1 (0-1)	Total/NA	Solid	5035	
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	5035	
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	5035	
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	5035	
890-2623-11	S-2 (0-1)	Total/NA	Solid	5035	
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	5035	
890-2623-13	S-3 (0-1)	Total/NA	Solid	5035	
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	5035	
890-2623-15	S-4 (0-1)	Total/NA	Solid	5035	
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	5035	
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	5035	
MB 880-30687/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30687/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30687/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2623-1 MS	SW-1	Total/NA	Solid	5035	
890-2623-1 MSD	SW-1	Total/NA	Solid	5035	

Prep Batch: 30703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-30703/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30703/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30703/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17204-A-99-C MS	Matrix Spike	Total/NA	Solid	5035	
880-17204-A-99-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	8021B	30687
890-2623-2	SW-2	Total/NA	Solid	8021B	30687
890-2623-3	SW-3	Total/NA	Solid	8021B	30687
890-2623-4	SW-4	Total/NA	Solid	8021B	30687
890-2623-5	SW-5	Total/NA	Solid	8021B	30687
890-2623-6	S-1 (0-1)	Total/NA	Solid	8021B	30687
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	8021B	30687
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	8021B	30687
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	8021B	30687
890-2623-11	S-2 (0-1)	Total/NA	Solid	8021B	30687
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	8021B	30687
890-2623-13	S-3 (0-1)	Total/NA	Solid	8021B	30687
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	8021B	30687
890-2623-15	S-4 (0-1)	Total/NA	Solid	8021B	30687
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	8021B	30687
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	8021B	30687
MB 880-30687/5-A	Method Blank	Total/NA	Solid	8021B	30687
MB 880-30703/5-A	Method Blank	Total/NA	Solid	8021B	30703
LCS 880-30687/1-A	Lab Control Sample	Total/NA	Solid	8021B	30687

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

GC VOA (Continued)

Analysis Batch: 31048 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-30703/1-A	Lab Control Sample	Total/NA	Solid	8021B	30703
LCSD 880-30687/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30687
LCSD 880-30703/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30703
880-17204-A-99-C MS	Matrix Spike	Total/NA	Solid	8021B	30703
880-17204-A-99-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30703
890-2623-1 MS	SW-1	Total/NA	Solid	8021B	30687
890-2623-1 MSD	SW-1	Total/NA	Solid	8021B	30687

Analysis Batch: 31126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	Total BTEX	
890-2623-2	SW-2	Total/NA	Solid	Total BTEX	
890-2623-3	SW-3	Total/NA	Solid	Total BTEX	
890-2623-4	SW-4	Total/NA	Solid	Total BTEX	
890-2623-5	SW-5	Total/NA	Solid	Total BTEX	
890-2623-6	S-1 (0-1)	Total/NA	Solid	Total BTEX	
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	Total BTEX	
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	Total BTEX	
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	Total BTEX	
890-2623-11	S-2 (0-1)	Total/NA	Solid	Total BTEX	
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2623-13	S-3 (0-1)	Total/NA	Solid	Total BTEX	
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2623-15	S-4 (0-1)	Total/NA	Solid	Total BTEX	
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	Total BTEX	

Analysis Batch: 31148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	8021B	31155
MB 880-31155/5-A	Method Blank	Total/NA	Solid	8021B	31155
MB 880-31170/5-A	Method Blank	Total/NA	Solid	8021B	31170
LCS 880-31155/1-A	Lab Control Sample	Total/NA	Solid	8021B	31155
LCS 880-31170/1-A	Lab Control Sample	Total/NA	Solid	8021B	31170
LCSD 880-31155/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31155
LCSD 880-31170/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31170
880-17525-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	31155
880-17525-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31155
890-2688-A-22-B MS	Matrix Spike	Total/NA	Solid	8021B	31170
890-2688-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31170

Prep Batch: 31155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	5035	
MB 880-31155/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31155/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31155/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17525-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-17525-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

GC VOA

Prep Batch: 31170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31170/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31170/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31170/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2688-A-22-B MS	Matrix Spike	Total/NA	Solid	5035	
890-2688-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	8021B	31290
MB 880-31290/5-A	Method Blank	Total/NA	Solid	8021B	31290
LCS 880-31290/1-A	Lab Control Sample	Total/NA	Solid	8021B	31290
LCSD 880-31290/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31290
880-17508-A-3-F MS	Matrix Spike	Total/NA	Solid	8021B	31290
880-17508-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31290

Prep Batch: 31290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	5035	
MB 880-31290/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31290/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31290/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17508-A-3-F MS	Matrix Spike	Total/NA	Solid	5035	
880-17508-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 30645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	8015B NM	30667
890-2623-2	SW-2	Total/NA	Solid	8015B NM	30667
890-2623-3	SW-3	Total/NA	Solid	8015B NM	30667
890-2623-4	SW-4	Total/NA	Solid	8015B NM	30667
890-2623-5	SW-5	Total/NA	Solid	8015B NM	30667
890-2623-6	S-1 (0-1)	Total/NA	Solid	8015B NM	30667
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	8015B NM	30667
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	8015B NM	30667
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	8015B NM	30667
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	8015B NM	30667
890-2623-11	S-2 (0-1)	Total/NA	Solid	8015B NM	30667
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	8015B NM	30667
890-2623-13	S-3 (0-1)	Total/NA	Solid	8015B NM	30667
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	8015B NM	30667
890-2623-15	S-4 (0-1)	Total/NA	Solid	8015B NM	30667
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	8015B NM	30667
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	8015B NM	30667
MB 880-30667/1-A	Method Blank	Total/NA	Solid	8015B NM	30667
LCS 880-30667/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30667
LCSD 880-30667/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30667
890-2623-1 MS	SW-1	Total/NA	Solid	8015B NM	30667
890-2623-1 MSD	SW-1	Total/NA	Solid	8015B NM	30667

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

GC Semi VOA

Prep Batch: 30667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	8015NM Prep	
890-2623-2	SW-2	Total/NA	Solid	8015NM Prep	
890-2623-3	SW-3	Total/NA	Solid	8015NM Prep	
890-2623-4	SW-4	Total/NA	Solid	8015NM Prep	
890-2623-5	SW-5	Total/NA	Solid	8015NM Prep	
890-2623-6	S-1 (0-1)	Total/NA	Solid	8015NM Prep	
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	8015NM Prep	
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	8015NM Prep	
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	8015NM Prep	
890-2623-11	S-2 (0-1)	Total/NA	Solid	8015NM Prep	
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2623-13	S-3 (0-1)	Total/NA	Solid	8015NM Prep	
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2623-15	S-4 (0-1)	Total/NA	Solid	8015NM Prep	
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	8015NM Prep	
MB 880-30667/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30667/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30667/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2623-1 MS	SW-1	Total/NA	Solid	8015NM Prep	
890-2623-1 MSD	SW-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	8015 NM	
890-2623-2	SW-2	Total/NA	Solid	8015 NM	
890-2623-3	SW-3	Total/NA	Solid	8015 NM	
890-2623-4	SW-4	Total/NA	Solid	8015 NM	
890-2623-5	SW-5	Total/NA	Solid	8015 NM	
890-2623-6	S-1 (0-1)	Total/NA	Solid	8015 NM	
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	8015 NM	
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	8015 NM	
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	8015 NM	
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	8015 NM	
890-2623-11	S-2 (0-1)	Total/NA	Solid	8015 NM	
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	8015 NM	
890-2623-13	S-3 (0-1)	Total/NA	Solid	8015 NM	
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	8015 NM	
890-2623-15	S-4 (0-1)	Total/NA	Solid	8015 NM	
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	8015 NM	
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Soluble	Solid	DI Leach	
890-2623-2	SW-2	Soluble	Solid	DI Leach	
890-2623-3	SW-3	Soluble	Solid	DI Leach	
890-2623-4	SW-4	Soluble	Solid	DI Leach	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

HPLC/IC (Continued)

Leach Batch: 30625 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-5	SW-5	Soluble	Solid	DI Leach	
890-2623-6	S-1 (0-1)	Soluble	Solid	DI Leach	
890-2623-7	S-1 (1-1.5)	Soluble	Solid	DI Leach	
890-2623-8	S-1 (2-2.5)	Soluble	Solid	DI Leach	
890-2623-9	S-1 (3-3.5)	Soluble	Solid	DI Leach	
890-2623-10	S-1 (4-4.5)	Soluble	Solid	DI Leach	
890-2623-11	S-2 (0-1)	Soluble	Solid	DI Leach	
890-2623-12	S-2 (1-1.5)	Soluble	Solid	DI Leach	
890-2623-13	S-3 (0-1)	Soluble	Solid	DI Leach	
890-2623-14	S-3 (1-1.5)	Soluble	Solid	DI Leach	
890-2623-15	S-4 (0-1)	Soluble	Solid	DI Leach	
890-2623-16	S-4 (1-1.5)	Soluble	Solid	DI Leach	
890-2623-17	S-4 (2-2.5)	Soluble	Solid	DI Leach	
MB 880-30625/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30625/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30625/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2623-1 MS	SW-1	Soluble	Solid	DI Leach	
890-2623-1 MSD	SW-1	Soluble	Solid	DI Leach	
890-2623-11 MS	S-2 (0-1)	Soluble	Solid	DI Leach	
890-2623-11 MSD	S-2 (0-1)	Soluble	Solid	DI Leach	

Analysis Batch: 30693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Soluble	Solid	300.0	30625
890-2623-2	SW-2	Soluble	Solid	300.0	30625
890-2623-3	SW-3	Soluble	Solid	300.0	30625
890-2623-4	SW-4	Soluble	Solid	300.0	30625
890-2623-5	SW-5	Soluble	Solid	300.0	30625
890-2623-6	S-1 (0-1)	Soluble	Solid	300.0	30625
890-2623-7	S-1 (1-1.5)	Soluble	Solid	300.0	30625
890-2623-8	S-1 (2-2.5)	Soluble	Solid	300.0	30625
890-2623-9	S-1 (3-3.5)	Soluble	Solid	300.0	30625
890-2623-10	S-1 (4-4.5)	Soluble	Solid	300.0	30625
890-2623-11	S-2 (0-1)	Soluble	Solid	300.0	30625
890-2623-12	S-2 (1-1.5)	Soluble	Solid	300.0	30625
890-2623-13	S-3 (0-1)	Soluble	Solid	300.0	30625
890-2623-14	S-3 (1-1.5)	Soluble	Solid	300.0	30625
890-2623-15	S-4 (0-1)	Soluble	Solid	300.0	30625
890-2623-16	S-4 (1-1.5)	Soluble	Solid	300.0	30625
890-2623-17	S-4 (2-2.5)	Soluble	Solid	300.0	30625
MB 880-30625/1-A	Method Blank	Soluble	Solid	300.0	30625
LCS 880-30625/2-A	Lab Control Sample	Soluble	Solid	300.0	30625
LCSD 880-30625/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30625
890-2623-1 MS	SW-1	Soluble	Solid	300.0	30625
890-2623-1 MSD	SW-1	Soluble	Solid	300.0	30625
890-2623-11 MS	S-2 (0-1)	Soluble	Solid	300.0	30625
890-2623-11 MSD	S-2 (0-1)	Soluble	Solid	300.0	30625

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-1

Lab Sample ID: 890-2623-1

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 13:58	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/26/22 21:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		5			30693	07/27/22 05:22	CH	XEN MID

Client Sample ID: SW-2

Lab Sample ID: 890-2623-2

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 14:18	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/26/22 22:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 05:46	CH	XEN MID

Client Sample ID: SW-3

Lab Sample ID: 890-2623-3

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 14:38	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/26/22 22:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 05:53	CH	XEN MID

Client Sample ID: SW-4

Lab Sample ID: 890-2623-4

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 14:59	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-4

Lab Sample ID: 890-2623-4

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/26/22 23:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 06:01	CH	XEN MID

Client Sample ID: SW-5

Lab Sample ID: 890-2623-5

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 15:19	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/26/22 23:41	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		5			30693	07/27/22 06:09	CH	XEN MID

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

Lab Sample ID: 890-2623-6

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 15:40	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 00:03	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 06:33	CH	XEN MID

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

Lab Sample ID: 890-2623-7

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 16:00	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 00:24	AJ	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-7

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 06:41	CH	XEN MID

Client Sample ID: S-1 (2-2.5)

Lab Sample ID: 890-2623-8

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 16:21	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 00:46	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 06:48	CH	XEN MID

Client Sample ID: S-1 (3-3.5)

Lab Sample ID: 890-2623-9

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 16:41	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 01:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 06:56	CH	XEN MID

Client Sample ID: S-1 (4-4.5)

Lab Sample ID: 890-2623-10

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31155	08/01/22 09:07	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31148	08/01/22 17:39	MR	XEN MID
Total/NA	Prep	5035			5.02 g	5 mL	31290	08/02/22 09:44	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	31253	08/02/22 15:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 01:29	AJ	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-1 (4-4.5)

Lab Sample ID: 890-2623-10

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 07:04	CH	XEN MID

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

Lab Sample ID: 890-2623-11

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 18:53	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 02:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		5			30693	07/27/22 07:12	CH	XEN MID

Client Sample ID: S-2 (1-1.5)

Lab Sample ID: 890-2623-12

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 19:13	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 02:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 07:35	CH	XEN MID

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

Lab Sample ID: 890-2623-13

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 19:34	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 02:55	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 07:43	CH	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-3 (1-1.5)

Lab Sample ID: 890-2623-14

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 19:54	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 03:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 08:07	CH	XEN MID

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

Lab Sample ID: 890-2623-15

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 20:15	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 03:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 08:15	CH	XEN MID

Client Sample ID: S-4 (1-1.5)

Lab Sample ID: 890-2623-16

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 20:35	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 04:00	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		5			30693	07/27/22 08:23	CH	XEN MID

Client Sample ID: S-4 (2-2.5)

Lab Sample ID: 890-2623-17

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 20:55	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-4 (2-2.5)
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 08:52

Lab Sample ID: 890-2623-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 04:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		5			30693	07/27/22 08:30	CH	XEN MID

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Accreditation/Certification Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2623-1	SW-1	Solid	07/21/22 00:00	07/22/22 08:52	1
890-2623-2	SW-2	Solid	07/21/22 00:00	07/22/22 08:52	2
890-2623-3	SW-3	Solid	07/21/22 00:00	07/22/22 08:52	3
890-2623-4	SW-4	Solid	07/21/22 00:00	07/22/22 08:52	4
890-2623-5	SW-5	Solid	07/21/22 00:00	07/22/22 08:52	5
890-2623-6	S-1 (0-1)	Solid	07/21/22 00:00	07/22/22 08:52	0 - 1
890-2623-7	S-1 (1-1.5)	Solid	07/21/22 00:00	07/22/22 08:52	1 - 1.2
890-2623-8	S-1 (2-2.5)	Solid	07/21/22 00:00	07/22/22 08:52	2 - 2.5
890-2623-9	S-1 (3-3.5)	Solid	07/21/22 00:00	07/22/22 08:52	3 - 3.5
890-2623-10	S-1 (4-4.5)	Solid	07/21/22 00:00	07/22/22 08:52	4 - 4.5
890-2623-11	S-2 (0-1)	Solid	07/21/22 00:00	07/22/22 08:52	0 - 1
890-2623-12	S-2 (1-1.5)	Solid	07/21/22 00:00	07/22/22 08:52	1 - 1.5
890-2623-13	S-3 (0-1)	Solid	07/21/22 00:00	07/22/22 08:52	0 - 1
890-2623-14	S-3 (1-1.5)	Solid	07/21/22 00:00	07/22/22 08:52	1 - 1.5
890-2623-15	S-4 (0-1)	Solid	07/21/22 00:00	07/22/22 08:52	0 - 1
890-2623-16	S-4 (1-1.5)	Solid	07/21/22 00:00	07/22/22 08:52	1 - 1.5
890-2623-17	S-4 (2-2.5)	Solid	07/21/22 00:00	07/22/22 08:52	2 - 2.5

Chain of Custody



Work Order No: _____

Page 1 of 2

Project Manager: Ethan Sessums		Bill to: (if different)		Wesley Mathews	
Company Name: NTG Environmental		Company Name:		Devon Energy	
Address: 402 E Wood Ave		Address:		6488 Seven Rivers Highway	
City, State ZIP: Carlsbad, NM 88220		City, State ZIP:		Artesia, NM 88210	
Phone: 254-266-5456		Email: Wesley.Mathews@dvn.com			

Project Name: Rail Splitter 15 CTB 6		Turn Around		Pres. Code	
Project Number: 225905		☒ Routine ☐ Rush			
Project Location: Jordan Tyner		Due Date:			
Sampler's Name: 20956856		TAT starts the day received by the lab, if received by 4:30pm			

SAMPLE RECEIPT		Temp Blank: Yes No		Wet Ice: Yes No	
Received Intact: Yes No		Thermometer ID: 1-NW-03			
Cooler Custody Seals: Yes No N/A		Correction Factor: -0.2			
Sample Custody Seals: Yes No N/A		Temperature Reading: 4.2			
Total Containers: 17		Corrected Temperature: 4.0			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	ANALYSIS REQUEST	Preservative Codes	Sample Comments
SW-1	7/21/2022		X		Comp	1		X	X	X		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
SW-2	7/21/2022		X		Comp	1		X	X	X			
SW-3	7/21/2022		X		Comp	1		X	X	X			
SW-4	7/21/2022		X		Comp	1		X	X	X			
SW-5	7/21/2022		X		Comp	1		X	X	X			
S-1 (0-1)	7/21/2022		X		Comp	1		X	X	X			
S-1 (1-1.5)	7/21/2022		X		Comp	1		X	X	X			
S-1 (2-2.5)	7/21/2022		X		Comp	1		X	X	X			
S-1 (3-3.5)	7/21/2022		X		Comp	1		X	X	X			
S-1 (4-4.5)	7/21/2022		X		Comp	1		X	X	X			

Additional Comments:												
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7-22-22 0852			
<i>[Signature]</i>		4			
<i>[Signature]</i>		6			

Revised Date 05/1/2020 Rev. 2020.1

Chain of Custody

Work Order No: _____

Page 2 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

ANALYSIS REQUEST										Preservative Codes																																																																																																																																																																																				
Project Name:	Project Number:	Project Location	Sampler's Name:	PO #	Turn Around	Pres. Code	Parameters	# of Cont	Grab/Comp	Water	Soil	Time	Date	Sample Identification																																																																																																																																																																																
Rail Splitter 15 CTB 6	225905		Jordan Tyner	20956856	☒ Routine ☐ Rush																																																																																																																																																																																									
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SAMPLE RECEIPT					Temp Blank:	Yes	No	Wet Ice:	Yes	No																																																																																																																																																																																				
Received Intact:					Yes	No	Thermometer ID:																																																																																																																																																																																							
Cooler Custody Seals:					Yes	No	N/A	Correction Factor:																																																																																																																																																																																						
Sample Custody Seals:					Yes	No	N/A	Temperature Reading:																																																																																																																																																																																						
Total Containers:					17	Corrected Temperature:																																																																																																																																																																																								
<table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Date</th> <th>Time</th> <th>Soil</th> <th>Water</th> <th>Grab/Comp</th> <th># of Cont</th> <th>Parameters</th> <th>Pres. Code</th> <th>Turn Around</th> <th>Due Date:</th> <th>TAT starts the day received by the lab, if received by 4:30pm</th> <th>Temp Blank:</th> <th>Yes</th> <th>No</th> <th>Wet Ice:</th> <th>Yes</th> <th>No</th> <th>Thermometer ID:</th> <th>Correction Factor:</th> <th>Temperature Reading:</th> <th>Corrected Temperature:</th> </tr> </thead> <tbody> <tr> <td>S-2 (0-1)</td> <td>7/21/2022</td> <td></td> <td>X</td> <td></td> <td>Comp</td> <td>1</td> <td>BTX 8021B</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>S-2 (1-1.5)</td> <td>7/21/2022</td> <td></td> <td>X</td> <td></td> <td>Comp</td> <td>1</td> <td>TPH 8015M (GRO + DRO + MRO)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>S-3 (0-1)</td> <td>7/21/2022</td> <td></td> <td>X</td> <td></td> <td>Comp</td> <td>1</td> <td>Chloride 4500</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>S-3 (1-1.5)</td> <td>7/21/2022</td> <td></td> <td>X</td> <td></td> <td>Comp</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>S-4 (0-1)</td> <td>7/21/2022</td> <td></td> <td>X</td> <td></td> <td>Comp</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>S-4 (1-1.5)</td> <td>7/21/2022</td> <td></td> <td>X</td> <td></td> <td>Comp</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>S-4 (2-2.5)</td> <td>7/21/2022</td> <td></td> <td>X</td> <td></td> <td>Comp</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>															Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	Turn Around	Due Date:	TAT starts the day received by the lab, if received by 4:30pm	Temp Blank:	Yes	No	Wet Ice:	Yes	No	Thermometer ID:	Correction Factor:	Temperature Reading:	Corrected Temperature:	S-2 (0-1)	7/21/2022		X		Comp	1	BTX 8021B															S-2 (1-1.5)	7/21/2022		X		Comp	1	TPH 8015M (GRO + DRO + MRO)															S-3 (0-1)	7/21/2022		X		Comp	1	Chloride 4500															S-3 (1-1.5)	7/21/2022		X		Comp	1																S-4 (0-1)	7/21/2022		X		Comp	1																S-4 (1-1.5)	7/21/2022		X		Comp	1																S-4 (2-2.5)	7/21/2022		X		Comp	1															
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Additional Comments:

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<i>[Signature]</i>	<i>[Signature]</i>	7-20-22 0852			

Revised Date 05/01/2020 Rev. 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2623-1

SDG Number: 225905

Login Number: 2623

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2623-1

SDG Number: 225905

Login Number: 2623

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 07/25/22 09:19 AM

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



Environment Testing

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3276-1
Laboratory Sample Delivery Group: 225905
Client Project/Site: Rail Splitter 15 CTB 6

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Ethan Sessums

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
10/27/2022 8:20:20 PM

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

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results through



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

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

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Laboratory Job ID: 890-3276-1
SDG: 225905

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Definitions/Glossary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high 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.

HPLC/IC

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

Glossary

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

Eurofins Carlsbad

Case Narrative

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Job ID: 890-3276-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3276-1

Receipt

The samples were received on 10/25/2022 8:46 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (5) (890-3276-1), CS-2 (5) (890-3276-2), CS-3 (5) (890-3276-3), CS-4 (2) (890-3276-4), CS-5 (2) (890-3276-5), CS-6 (2) (890-3276-6), CS-7 (2) (890-3276-7), CS-8 (2) (890-3276-8), CS-9 (3) (890-3276-9), CS-10 (3) (890-3276-10), CS-11 (3) (890-3276-11), CS-12 (3) (890-3276-12), SW-1 (890-3276-13), SW-2 (890-3276-14), SW-3 (890-3276-15), SW-4 (890-3276-16), SW-5 (890-3276-17), SW-6 (890-3276-18), SW-7 (890-3276-19), SW-8 (890-3276-20), SW-9 (890-3276-21), SW-10 (890-3276-22) and SW-11 (890-3276-23).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-37872/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-9 (890-3276-21). 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.

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-37877 and analytical batch 880-37857 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-37877/3-A) and (MB 880-37877/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-37879 and analytical batch 880-37914 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-1 (5)

Lab Sample ID: 890-3276-1

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/26/22 22:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/26/22 22:43	1
Ethylbenzene	0.00346		0.00198		mg/Kg		10/26/22 12:32	10/26/22 22:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/26/22 12:32	10/26/22 22:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/26/22 22:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/26/22 12:32	10/26/22 22:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/26/22 12:32	10/26/22 22:43	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/26/22 12:32	10/26/22 22:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	100		49.8		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/26/22 21:53	1
Diesel Range Organics (Over C10-C28)	100		49.8		mg/Kg		10/26/22 11:18	10/26/22 21:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/26/22 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	10/26/22 11:18	10/26/22 21:53	1
o-Terphenyl	106		70 - 130	10/26/22 11:18	10/26/22 21:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.9		5.04		mg/Kg			10/27/22 07:13	1

Client Sample ID: CS-2 (5)

Lab Sample ID: 890-3276-2

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/26/22 23:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/26/22 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/26/22 12:32	10/26/22 23:03	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/26/22 12:32	10/26/22 23:03	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-2 (5)

Lab Sample ID: 890-3276-2

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	613		49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/26/22 22:56	1
Diesel Range Organics (Over C10-C28)	613		49.9		mg/Kg		10/26/22 11:18	10/26/22 22:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/26/22 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				10/26/22 11:18	10/26/22 22:56	1
o-Terphenyl	108		70 - 130				10/26/22 11:18	10/26/22 22:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.5		5.00		mg/Kg			10/27/22 07:27	1

Client Sample ID: CS-3 (5)

Lab Sample ID: 890-3276-3

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/26/22 12:32	10/26/22 23:24	1
1,4-Difluorobenzene (Surr)	81		70 - 130				10/26/22 12:32	10/26/22 23:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	104		49.8		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/26/22 23:18	1
Diesel Range Organics (Over C10-C28)	104		49.8		mg/Kg		10/26/22 11:18	10/26/22 23:18	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-3 (5)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/26/22 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/26/22 11:18	10/26/22 23:18	1
o-Terphenyl	105		70 - 130				10/26/22 11:18	10/26/22 23:18	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.9		5.00		mg/Kg			10/27/22 07:33	1

Client Sample ID: CS-4 (2)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				10/26/22 12:32	10/26/22 23:44	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/26/22 12:32	10/26/22 23:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/26/22 23:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/26/22 23:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/26/22 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/26/22 11:18	10/26/22 23:39	1
o-Terphenyl	104		70 - 130				10/26/22 11:18	10/26/22 23:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.0		4.97		mg/Kg			10/27/22 07:37	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-5 (2)

Lab Sample ID: 890-3276-5

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 00:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 00:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 00:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 00:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 00:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/26/22 12:32	10/27/22 00:04	1
1,4-Difluorobenzene (Surr)	82		70 - 130	10/26/22 12:32	10/27/22 00:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	10/26/22 11:18	10/27/22 00:00	1
o-Terphenyl	100		70 - 130	10/26/22 11:18	10/27/22 00:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.0		5.04		mg/Kg			10/27/22 07:42	1

Client Sample ID: CS-6 (2)

Lab Sample ID: 890-3276-6

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 00:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 00:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 00:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 00:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 00:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/26/22 12:32	10/27/22 00:25	1
1,4-Difluorobenzene (Surr)	86		70 - 130	10/26/22 12:32	10/27/22 00:25	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-6 (2)

Lab Sample ID: 890-3276-6

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/26/22 11:18	10/27/22 00:21	1
o-Terphenyl	98		70 - 130				10/26/22 11:18	10/27/22 00:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		5.02		mg/Kg			10/27/22 07:57	1

Client Sample ID: CS-7 (2)

Lab Sample ID: 890-3276-7

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/26/22 12:32	10/27/22 00:45	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/26/22 12:32	10/27/22 00:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 00:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 00:42	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-7 (2)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 00:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/26/22 11:18	10/27/22 00:42	1
o-Terphenyl	99		70 - 130				10/26/22 11:18	10/27/22 00:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.0		4.98		mg/Kg			10/27/22 08:02	1

Client Sample ID: CS-8 (2)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/26/22 12:32	10/27/22 01:06	1
1,4-Difluorobenzene (Surr)	86		70 - 130				10/26/22 12:32	10/27/22 01:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 01:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 01:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 01:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				10/26/22 11:18	10/27/22 01:03	1
o-Terphenyl	114		70 - 130				10/26/22 11:18	10/27/22 01:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	268		4.96		mg/Kg			10/27/22 08:06	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-9 (3)

Lab Sample ID: 890-3276-9

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 01:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 01:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 01:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 01:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 01:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/26/22 12:32	10/27/22 01:26	1
1,4-Difluorobenzene (Surr)	107		70 - 130	10/26/22 12:32	10/27/22 01:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/27/22 01:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/27/22 01:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/27/22 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	10/26/22 11:18	10/27/22 01:25	1
o-Terphenyl	95		70 - 130	10/26/22 11:18	10/27/22 01:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6		4.97		mg/Kg			10/27/22 08:11	1

Client Sample ID: CS-10 (3)

Lab Sample ID: 890-3276-10

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 02:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 02:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 02:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/27/22 02:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 02:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/27/22 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/26/22 12:32	10/27/22 02:48	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/26/22 12:32	10/27/22 02:48	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-10 (3)

Lab Sample ID: 890-3276-10

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 01:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 01:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 01:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				10/26/22 11:18	10/27/22 01:46	1
o-Terphenyl	95		70 - 130				10/26/22 11:18	10/27/22 01:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.6		4.98		mg/Kg			10/27/22 08:16	1

Client Sample ID: CS-11 (3)

Lab Sample ID: 890-3276-11

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				10/26/22 12:32	10/27/22 03:08	1
1,4-Difluorobenzene (Surr)	90		70 - 130				10/26/22 12:32	10/27/22 03:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:29	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-11 (3)

Lab Sample ID: 890-3276-11

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				10/26/22 11:18	10/27/22 02:29	1
o-Terphenyl	112		70 - 130				10/26/22 11:18	10/27/22 02:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.9	F1	5.01		mg/Kg			10/27/22 08:21	1

Client Sample ID: CS-12 (3)

Lab Sample ID: 890-3276-12

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				10/26/22 12:32	10/27/22 03:28	1
1,4-Difluorobenzene (Surr)	71		70 - 130				10/26/22 12:32	10/27/22 03:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/26/22 11:18	10/27/22 02:50	1
o-Terphenyl	98		70 - 130				10/26/22 11:18	10/27/22 02:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.0		5.02		mg/Kg			10/27/22 08:36	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-1

Lab Sample ID: 890-3276-13

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 03:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/26/22 12:32	10/27/22 03:49	1
1,4-Difluorobenzene (Surr)	84		70 - 130	10/26/22 12:32	10/27/22 03:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	10/26/22 11:18	10/27/22 03:11	1
o-Terphenyl	104		70 - 130	10/26/22 11:18	10/27/22 03:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.1		5.03		mg/Kg			10/27/22 08:40	1

Client Sample ID: SW-2

Lab Sample ID: 890-3276-14

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 04:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 04:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 04:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 04:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 04:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	10/26/22 12:32	10/27/22 04:09	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/26/22 12:32	10/27/22 04:09	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-2

Lab Sample ID: 890-3276-14

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	168		50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 03:32	1
Diesel Range Organics (Over C10-C28)	168		50.0		mg/Kg		10/26/22 11:18	10/27/22 03:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 03:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				10/26/22 11:18	10/27/22 03:32	1
o-Terphenyl	110		70 - 130				10/26/22 11:18	10/27/22 03:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		4.98		mg/Kg			10/27/22 08:55	1

Client Sample ID: SW-3

Lab Sample ID: 890-3276-15

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				10/26/22 12:32	10/27/22 04:30	1
1,4-Difluorobenzene (Surr)	74		70 - 130				10/26/22 12:32	10/27/22 04:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:54	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-3

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/26/22 11:18	10/27/22 03:54	1
o-Terphenyl	93		70 - 130				10/26/22 11:18	10/27/22 03:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.9		4.95		mg/Kg			10/27/22 09:00	1

Client Sample ID: SW-4

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-16

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/26/22 12:32	10/27/22 04:50	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/26/22 12:32	10/27/22 04:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	94.3		50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 04:15	1
Diesel Range Organics (Over C10-C28)	94.3		50.0		mg/Kg		10/26/22 11:18	10/27/22 04:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 04:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/26/22 11:18	10/27/22 04:15	1
o-Terphenyl	97		70 - 130				10/26/22 11:18	10/27/22 04:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.3		4.96		mg/Kg			10/27/22 09:05	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-5

Lab Sample ID: 890-3276-17

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 05:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 05:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 05:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 05:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 05:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 05:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	10/26/22 12:32	10/27/22 05:11	1
1,4-Difluorobenzene (Surr)	86		70 - 130	10/26/22 12:32	10/27/22 05:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	228		49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 04:36	1
Diesel Range Organics (Over C10-C28)	228		49.9		mg/Kg		10/26/22 11:18	10/27/22 04:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 04:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	10/26/22 11:18	10/27/22 04:36	1
o-Terphenyl	100		70 - 130	10/26/22 11:18	10/27/22 04:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.5		5.03		mg/Kg			10/27/22 09:09	1

Client Sample ID: SW-6

Lab Sample ID: 890-3276-18

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/26/22 12:32	10/27/22 05:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/26/22 12:32	10/27/22 05:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/26/22 12:32	10/27/22 05:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/26/22 12:32	10/27/22 05:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/26/22 12:32	10/27/22 05:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/26/22 12:32	10/27/22 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	10/26/22 12:32	10/27/22 05:31	1
1,4-Difluorobenzene (Surr)	70		70 - 130	10/26/22 12:32	10/27/22 05:31	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-6

Lab Sample ID: 890-3276-18

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 04:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/26/22 11:18	10/27/22 04:57	1
o-Terphenyl	97		70 - 130				10/26/22 11:18	10/27/22 04:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.7		4.97		mg/Kg			10/27/22 09:14	1

Client Sample ID: SW-7

Lab Sample ID: 890-3276-19

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				10/26/22 12:32	10/27/22 05:51	1
1,4-Difluorobenzene (Surr)	85		70 - 130				10/26/22 12:32	10/27/22 05:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	72.3		50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 05:19	1
Diesel Range Organics (Over C10-C28)	72.3		50.0		mg/Kg		10/26/22 11:18	10/27/22 05:19	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-7

Lab Sample ID: 890-3276-19

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				10/26/22 11:18	10/27/22 05:19	1
o-Terphenyl	91		70 - 130				10/26/22 11:18	10/27/22 05:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.4		5.02		mg/Kg			10/27/22 09:19	1

Client Sample ID: SW-8

Lab Sample ID: 890-3276-20

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/26/22 10:34	10/26/22 18:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/26/22 10:34	10/26/22 18:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/27/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 05:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 05:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/26/22 11:18	10/27/22 05:40	1
o-Terphenyl	96		70 - 130				10/26/22 11:18	10/27/22 05:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.8		5.05		mg/Kg			10/27/22 09:24	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-9

Lab Sample ID: 890-3276-21

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00748		0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:46	1
Toluene	0.00688		0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:46	1
Ethylbenzene	0.0356		0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:46	1
m-Xylene & p-Xylene	0.0593		0.00399		mg/Kg		10/26/22 10:34	10/26/22 18:46	1
o-Xylene	0.0190		0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:46	1
Xylenes, Total	0.0783		0.00399		mg/Kg		10/26/22 10:34	10/26/22 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	10/26/22 10:34	10/26/22 18:46	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/26/22 10:34	10/26/22 18:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.128		0.00399		mg/Kg			10/27/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/27/22 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	49.8		mg/Kg		10/26/22 11:21	10/26/22 21:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/26/22 11:21	10/26/22 21:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/26/22 11:21	10/26/22 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/26/22 11:21	10/26/22 21:53	1
o-Terphenyl	110		70 - 130				10/26/22 11:21	10/26/22 21:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.9		4.96		mg/Kg			10/26/22 15:47	1

Client Sample ID: SW-10

Lab Sample ID: 890-3276-22

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/26/22 10:34	10/26/22 19:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/26/22 10:34	10/26/22 19:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/26/22 10:34	10/26/22 19:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/26/22 10:34	10/26/22 19:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/26/22 10:34	10/26/22 19:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/26/22 10:34	10/26/22 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/26/22 10:34	10/26/22 19:06	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/26/22 10:34	10/26/22 19:06	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-10

Lab Sample ID: 890-3276-22

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/27/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U ** *1	49.9		mg/Kg		10/26/22 11:21	10/26/22 22:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:21	10/26/22 22:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:21	10/26/22 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/26/22 11:21	10/26/22 22:56	1
o-Terphenyl	113		70 - 130				10/26/22 11:21	10/26/22 22:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.0		4.99		mg/Kg			10/26/22 15:55	1

Client Sample ID: SW-11

Lab Sample ID: 890-3276-23

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				10/26/22 10:34	10/26/22 19:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/26/22 10:34	10/26/22 19:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/27/22 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U ** *1	49.8		mg/Kg		10/26/22 11:21	10/26/22 23:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/26/22 11:21	10/26/22 23:18	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-11

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-23

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/26/22 11:21	10/26/22 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/26/22 11:21	10/26/22 23:18	1
o-Terphenyl	123		70 - 130				10/26/22 11:21	10/26/22 23:18	1
Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.4		5.02		mg/Kg			10/26/22 16:15	1

Surrogate Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-20752-A-6-C MS	Matrix Spike	102	108
880-20752-A-6-D MSD	Matrix Spike Duplicate	99	112
890-3275-A-1-I MSD	Matrix Spike Duplicate	95	94
890-3275-A-1-K MS	Matrix Spike	95	100
890-3276-1	CS-1 (5)	104	104
890-3276-2	CS-2 (5)	101	97
890-3276-3	CS-3 (5)	89	81
890-3276-4	CS-4 (2)	96	93
890-3276-5	CS-5 (2)	108	82
890-3276-6	CS-6 (2)	111	86
890-3276-7	CS-7 (2)	101	97
890-3276-8	CS-8 (2)	101	86
890-3276-9	CS-9 (3)	95	107
890-3276-10	CS-10 (3)	95	94
890-3276-11	CS-11 (3)	87	90
890-3276-12	CS-12 (3)	87	71
890-3276-13	SW-1	101	84
890-3276-14	SW-2	91	105
890-3276-15	SW-3	76	74
890-3276-16	SW-4	102	95
890-3276-17	SW-5	81	86
890-3276-18	SW-6	78	70
890-3276-19	SW-7	84	85
890-3276-20	SW-8	102	99
890-3276-21	SW-9	146 S1+	103
890-3276-22	SW-10	107	96
890-3276-23	SW-11	104	100
LCS 880-37872/1-A	Lab Control Sample	138 S1+	115
LCS 880-37902/1-A	Lab Control Sample	94	110
LCSD 880-37872/2-A	Lab Control Sample Dup	88	98
LCSD 880-37902/2-A	Lab Control Sample Dup	98	111
MB 880-37703/5-A	Method Blank	84	88
MB 880-37872/5-A	Method Blank	111	104
MB 880-37902/5-A	Method Blank	85	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-3276-1	CS-1 (5)	106	106
890-3276-1 MS	CS-1 (5)	109	90
890-3276-1 MSD	CS-1 (5)	110	88
890-3276-2	CS-2 (5)	110	108
890-3276-3	CS-3 (5)	109	105

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Surrogate Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3276-4	CS-4 (2)	108	104
890-3276-5	CS-5 (2)	103	100
890-3276-6	CS-6 (2)	98	98
890-3276-7	CS-7 (2)	103	99
890-3276-8	CS-8 (2)	116	114
890-3276-9	CS-9 (3)	101	95
890-3276-10	CS-10 (3)	101	95
890-3276-11	CS-11 (3)	116	112
890-3276-12	CS-12 (3)	108	98
890-3276-13	SW-1	111	104
890-3276-14	SW-2	115	110
890-3276-15	SW-3	103	93
890-3276-16	SW-4	104	97
890-3276-17	SW-5	107	100
890-3276-18	SW-6	109	97
890-3276-19	SW-7	102	91
890-3276-20	SW-8	107	96
890-3276-21	SW-9	98	110
890-3276-21 MS	SW-9	82	84
890-3276-21 MSD	SW-9	98	97
890-3276-22	SW-10	106	113
890-3276-23	SW-11	112	123
LCS 880-37876/2-A	Lab Control Sample	118	115
LCS 880-37877/2-A	Lab Control Sample	97	118
LCSD 880-37876/3-A	Lab Control Sample Dup	108	109
LCSD 880-37877/3-A	Lab Control Sample Dup	117	137 S1+
MB 880-37876/1-A	Method Blank	124	122
MB 880-37877/1-A	Method Blank	121	146 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-37703/5-A

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/22 17:00	10/26/22 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/22 17:00	10/26/22 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/22 17:00	10/26/22 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/25/22 17:00	10/26/22 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/22 17:00	10/26/22 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/25/22 17:00	10/26/22 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	10/25/22 17:00	10/26/22 11:26	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/25/22 17:00	10/26/22 11:26	1

Lab Sample ID: MB 880-37872/5-A

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37872

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 08:00	10/26/22 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 08:00	10/26/22 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 08:00	10/26/22 11:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/26/22 08:00	10/26/22 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 08:00	10/26/22 11:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/26/22 08:00	10/26/22 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/26/22 08:00	10/26/22 11:45	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/26/22 08:00	10/26/22 11:45	1

Lab Sample ID: LCS 880-37872/1-A

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1010		mg/Kg		101	70 - 130
Toluene	0.100	0.1058		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.09017		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1792		mg/Kg		90	70 - 130
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-37872/2-A

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37872

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1018		mg/Kg		102	70 - 130	1	35

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: LCSD 880-37872/2-A

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37872

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1069		mg/Kg		107	70 - 130	1	35
Ethylbenzene	0.100	0.09693		mg/Kg		97	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1973		mg/Kg		99	70 - 130	10	35
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-3275-A-1-I MSD

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 37872

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00269		0.0990	0.09489		mg/Kg		93	70 - 130	5	35
Toluene	0.00820		0.0990	0.09955		mg/Kg		92	70 - 130	3	35
Ethylbenzene	0.00284		0.0990	0.09259		mg/Kg		91	70 - 130	4	35
m-Xylene & p-Xylene	0.00754		0.198	0.1897		mg/Kg		92	70 - 130	4	35
o-Xylene	0.00459		0.0990	0.1018		mg/Kg		98	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-3275-A-1-K MS

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 37872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00269		0.0998	0.09014		mg/Kg		88	70 - 130		
Toluene	0.00820		0.0998	0.09699		mg/Kg		89	70 - 130		
Ethylbenzene	0.00284		0.0998	0.08880		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene	0.00754		0.200	0.1824		mg/Kg		88	70 - 130		
o-Xylene	0.00459		0.0998	0.09723		mg/Kg		93	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-37902/5-A

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 22:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 22:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 22:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/26/22 12:32	10/26/22 22:01	1

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: MB 880-37902/5-A

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 22:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/26/22 12:32	10/26/22 22:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	10/26/22 12:32	10/26/22 22:01	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/26/22 12:32	10/26/22 22:01	1

Lab Sample ID: LCS 880-37902/1-A

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1192		mg/Kg		119	70 - 130
Toluene	0.100	0.1027		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.09536		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1970		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-37902/2-A

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37902

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1153		mg/Kg		115	70 - 130	3	35
Toluene	0.100	0.09984		mg/Kg		100	70 - 130	3	35
Ethylbenzene	0.100	0.09462		mg/Kg		95	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1964		mg/Kg		98	70 - 130	0	35
o-Xylene	0.100	0.09900		mg/Kg		99	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-20752-A-6-C MS

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 37902

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.08955		mg/Kg		90	70 - 130
Toluene	<0.00200	U	0.0998	0.07920		mg/Kg		79	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.07912		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1648		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U	0.0998	0.08467		mg/Kg		84	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: 880-20752-A-6-C MS

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 37902

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-20752-A-6-D MSD

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 37902

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.1015		mg/Kg		102	70 - 130	13	35
Toluene	<0.00200	U	0.0996	0.08417		mg/Kg		84	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.0996	0.08164		mg/Kg		82	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1683		mg/Kg		84	70 - 130	2	35
o-Xylene	<0.00200	U	0.0996	0.08557		mg/Kg		85	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

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

Lab Sample ID: MB 880-37876/1-A

Matrix: Solid

Analysis Batch: 37855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/26/22 20:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/26/22 20:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/26/22 20:49	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	124		70 - 130	10/26/22 11:18	10/26/22 20:49	1			
o-Terphenyl	122		70 - 130	10/26/22 11:18	10/26/22 20:49	1			

Lab Sample ID: LCS 880-37876/2-A

Matrix: Solid

Analysis Batch: 37855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	896.4		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1152		mg/Kg		115	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	115		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: LCSD 880-37876/3-A

Matrix: Solid

Analysis Batch: 37855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37876

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	993.4		mg/Kg		99	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1119		mg/Kg		112	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	108		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 890-3276-1 MS

Matrix: Solid

Analysis Batch: 37855

Client Sample ID: CS-1 (5)

Prep Type: Total/NA

Prep Batch: 37876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	854.2		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	100		998	1073		mg/Kg		97	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	90		70 - 130								

Lab Sample ID: 890-3276-1 MSD

Matrix: Solid

Analysis Batch: 37855

Client Sample ID: CS-1 (5)

Prep Type: Total/NA

Prep Batch: 37876

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	850.1		mg/Kg		83	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	100		998	1062		mg/Kg		96	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	110		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: MB 880-37877/1-A

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:21	10/26/22 20:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:21	10/26/22 20:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:21	10/26/22 20:49	1

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: MB 880-37877/1-A

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37877

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	10/26/22 11:21	10/26/22 20:49	1
o-Terphenyl	146	S1+	70 - 130	10/26/22 11:21	10/26/22 20:49	1

Lab Sample ID: LCS 880-37877/2-A

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-37877/3-A

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37877

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1328	*+ *1	mg/Kg		133	70 - 130	21	20
Diesel Range Organics (Over C10-C28)	1000	1159		mg/Kg		116	70 - 130	14	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	137	S1+	70 - 130

Lab Sample ID: 890-3276-21 MS

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: SW-9

Prep Type: Total/NA

Prep Batch: 37877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	998	1122		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	998	938.0		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	84		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: 890-3276-21 MSD

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: SW-9

Prep Type: Total/NA

Prep Batch: 37877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	998	937.6		mg/Kg		91	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1117		mg/Kg		112	70 - 130	17	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	97		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-37904/1-A

Matrix: Solid

Analysis Batch: 37912

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/26/22 14:46	1

Lab Sample ID: LCS 880-37904/2-A

Matrix: Solid

Analysis Batch: 37912

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.1		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-37904/3-A

Matrix: Solid

Analysis Batch: 37912

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.3		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-20628-A-1-E MS

Matrix: Solid

Analysis Batch: 37912

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	154		248	404.2		mg/Kg		101	90 - 110

Lab Sample ID: 880-20628-A-1-F MSD

Matrix: Solid

Analysis Batch: 37912

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	154		248	405.4		mg/Kg		101	90 - 110	0	20

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-37879/1-A

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/27/22 06:58	1

Lab Sample ID: LCS 880-37879/2-A

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	266.3		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-37879/3-A

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	272.2		mg/Kg		109	90 - 110	2	20

Lab Sample ID: 890-3276-1 MS

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: CS-1 (5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	33.9		252	296.9		mg/Kg		104	90 - 110

Lab Sample ID: 890-3276-1 MSD

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: CS-1 (5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	33.9		252	308.6		mg/Kg		109	90 - 110	4	20

Lab Sample ID: 890-3276-11 MS

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: CS-11 (3)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	29.9	F1	251	297.0		mg/Kg		107	90 - 110

Lab Sample ID: 890-3276-11 MSD

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: CS-11 (3)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	29.9	F1	251	318.5	F1	mg/Kg		115	90 - 110	7	20

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

GC VOA

Prep Batch: 37703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-37703/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 37851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	8021B	37902
890-3276-2	CS-2 (5)	Total/NA	Solid	8021B	37902
890-3276-3	CS-3 (5)	Total/NA	Solid	8021B	37902
890-3276-4	CS-4 (2)	Total/NA	Solid	8021B	37902
890-3276-5	CS-5 (2)	Total/NA	Solid	8021B	37902
890-3276-6	CS-6 (2)	Total/NA	Solid	8021B	37902
890-3276-7	CS-7 (2)	Total/NA	Solid	8021B	37902
890-3276-8	CS-8 (2)	Total/NA	Solid	8021B	37902
890-3276-9	CS-9 (3)	Total/NA	Solid	8021B	37902
890-3276-10	CS-10 (3)	Total/NA	Solid	8021B	37902
890-3276-11	CS-11 (3)	Total/NA	Solid	8021B	37902
890-3276-12	CS-12 (3)	Total/NA	Solid	8021B	37902
890-3276-13	SW-1	Total/NA	Solid	8021B	37902
890-3276-14	SW-2	Total/NA	Solid	8021B	37902
890-3276-15	SW-3	Total/NA	Solid	8021B	37902
890-3276-16	SW-4	Total/NA	Solid	8021B	37902
890-3276-17	SW-5	Total/NA	Solid	8021B	37902
890-3276-18	SW-6	Total/NA	Solid	8021B	37902
890-3276-19	SW-7	Total/NA	Solid	8021B	37902
MB 880-37703/5-A	Method Blank	Total/NA	Solid	8021B	37703
MB 880-37902/5-A	Method Blank	Total/NA	Solid	8021B	37902
LCS 880-37902/1-A	Lab Control Sample	Total/NA	Solid	8021B	37902
LCSD 880-37902/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37902
880-20752-A-6-C MS	Matrix Spike	Total/NA	Solid	8021B	37902
880-20752-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	37902

Analysis Batch: 37852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-20	SW-8	Total/NA	Solid	8021B	37872
890-3276-21	SW-9	Total/NA	Solid	8021B	37872
890-3276-22	SW-10	Total/NA	Solid	8021B	37872
890-3276-23	SW-11	Total/NA	Solid	8021B	37872
MB 880-37872/5-A	Method Blank	Total/NA	Solid	8021B	37872
LCS 880-37872/1-A	Lab Control Sample	Total/NA	Solid	8021B	37872
LCSD 880-37872/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37872
890-3275-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	37872
890-3275-A-1-K MS	Matrix Spike	Total/NA	Solid	8021B	37872

Prep Batch: 37872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-20	SW-8	Total/NA	Solid	5035	
890-3276-21	SW-9	Total/NA	Solid	5035	
890-3276-22	SW-10	Total/NA	Solid	5035	
890-3276-23	SW-11	Total/NA	Solid	5035	
MB 880-37872/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37872/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37872/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

GC VOA (Continued)

Prep Batch: 37872 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3275-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
890-3275-A-1-K MS	Matrix Spike	Total/NA	Solid	5035	

Prep Batch: 37902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	5035	
890-3276-2	CS-2 (5)	Total/NA	Solid	5035	
890-3276-3	CS-3 (5)	Total/NA	Solid	5035	
890-3276-4	CS-4 (2)	Total/NA	Solid	5035	
890-3276-5	CS-5 (2)	Total/NA	Solid	5035	
890-3276-6	CS-6 (2)	Total/NA	Solid	5035	
890-3276-7	CS-7 (2)	Total/NA	Solid	5035	
890-3276-8	CS-8 (2)	Total/NA	Solid	5035	
890-3276-9	CS-9 (3)	Total/NA	Solid	5035	
890-3276-10	CS-10 (3)	Total/NA	Solid	5035	
890-3276-11	CS-11 (3)	Total/NA	Solid	5035	
890-3276-12	CS-12 (3)	Total/NA	Solid	5035	
890-3276-13	SW-1	Total/NA	Solid	5035	
890-3276-14	SW-2	Total/NA	Solid	5035	
890-3276-15	SW-3	Total/NA	Solid	5035	
890-3276-16	SW-4	Total/NA	Solid	5035	
890-3276-17	SW-5	Total/NA	Solid	5035	
890-3276-18	SW-6	Total/NA	Solid	5035	
890-3276-19	SW-7	Total/NA	Solid	5035	
MB 880-37902/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37902/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37902/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-20752-A-6-C MS	Matrix Spike	Total/NA	Solid	5035	
880-20752-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 37997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	Total BTEX	
890-3276-2	CS-2 (5)	Total/NA	Solid	Total BTEX	
890-3276-3	CS-3 (5)	Total/NA	Solid	Total BTEX	
890-3276-4	CS-4 (2)	Total/NA	Solid	Total BTEX	
890-3276-5	CS-5 (2)	Total/NA	Solid	Total BTEX	
890-3276-6	CS-6 (2)	Total/NA	Solid	Total BTEX	
890-3276-7	CS-7 (2)	Total/NA	Solid	Total BTEX	
890-3276-8	CS-8 (2)	Total/NA	Solid	Total BTEX	
890-3276-9	CS-9 (3)	Total/NA	Solid	Total BTEX	
890-3276-10	CS-10 (3)	Total/NA	Solid	Total BTEX	
890-3276-11	CS-11 (3)	Total/NA	Solid	Total BTEX	
890-3276-12	CS-12 (3)	Total/NA	Solid	Total BTEX	
890-3276-13	SW-1	Total/NA	Solid	Total BTEX	
890-3276-14	SW-2	Total/NA	Solid	Total BTEX	
890-3276-15	SW-3	Total/NA	Solid	Total BTEX	
890-3276-16	SW-4	Total/NA	Solid	Total BTEX	
890-3276-17	SW-5	Total/NA	Solid	Total BTEX	
890-3276-18	SW-6	Total/NA	Solid	Total BTEX	
890-3276-19	SW-7	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

GC VOA (Continued)

Analysis Batch: 37997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-20	SW-8	Total/NA	Solid	Total BTEX	
890-3276-21	SW-9	Total/NA	Solid	Total BTEX	
890-3276-22	SW-10	Total/NA	Solid	Total BTEX	
890-3276-23	SW-11	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 37855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	8015B NM	37876
890-3276-2	CS-2 (5)	Total/NA	Solid	8015B NM	37876
890-3276-3	CS-3 (5)	Total/NA	Solid	8015B NM	37876
890-3276-4	CS-4 (2)	Total/NA	Solid	8015B NM	37876
890-3276-5	CS-5 (2)	Total/NA	Solid	8015B NM	37876
890-3276-6	CS-6 (2)	Total/NA	Solid	8015B NM	37876
890-3276-7	CS-7 (2)	Total/NA	Solid	8015B NM	37876
890-3276-8	CS-8 (2)	Total/NA	Solid	8015B NM	37876
890-3276-9	CS-9 (3)	Total/NA	Solid	8015B NM	37876
890-3276-10	CS-10 (3)	Total/NA	Solid	8015B NM	37876
890-3276-11	CS-11 (3)	Total/NA	Solid	8015B NM	37876
890-3276-12	CS-12 (3)	Total/NA	Solid	8015B NM	37876
890-3276-13	SW-1	Total/NA	Solid	8015B NM	37876
890-3276-14	SW-2	Total/NA	Solid	8015B NM	37876
890-3276-15	SW-3	Total/NA	Solid	8015B NM	37876
890-3276-16	SW-4	Total/NA	Solid	8015B NM	37876
890-3276-17	SW-5	Total/NA	Solid	8015B NM	37876
890-3276-18	SW-6	Total/NA	Solid	8015B NM	37876
890-3276-19	SW-7	Total/NA	Solid	8015B NM	37876
890-3276-20	SW-8	Total/NA	Solid	8015B NM	37876
MB 880-37876/1-A	Method Blank	Total/NA	Solid	8015B NM	37876
LCS 880-37876/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	37876
LCSD 880-37876/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	37876
890-3276-1 MS	CS-1 (5)	Total/NA	Solid	8015B NM	37876
890-3276-1 MSD	CS-1 (5)	Total/NA	Solid	8015B NM	37876

Analysis Batch: 37857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-21	SW-9	Total/NA	Solid	8015B NM	37877
890-3276-22	SW-10	Total/NA	Solid	8015B NM	37877
890-3276-23	SW-11	Total/NA	Solid	8015B NM	37877
MB 880-37877/1-A	Method Blank	Total/NA	Solid	8015B NM	37877
LCS 880-37877/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	37877
LCSD 880-37877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	37877
890-3276-21 MS	SW-9	Total/NA	Solid	8015B NM	37877
890-3276-21 MSD	SW-9	Total/NA	Solid	8015B NM	37877

Prep Batch: 37876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	8015NM Prep	
890-3276-2	CS-2 (5)	Total/NA	Solid	8015NM Prep	
890-3276-3	CS-3 (5)	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

GC Semi VOA (Continued)

Prep Batch: 37876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-4	CS-4 (2)	Total/NA	Solid	8015NM Prep	
890-3276-5	CS-5 (2)	Total/NA	Solid	8015NM Prep	
890-3276-6	CS-6 (2)	Total/NA	Solid	8015NM Prep	
890-3276-7	CS-7 (2)	Total/NA	Solid	8015NM Prep	
890-3276-8	CS-8 (2)	Total/NA	Solid	8015NM Prep	
890-3276-9	CS-9 (3)	Total/NA	Solid	8015NM Prep	
890-3276-10	CS-10 (3)	Total/NA	Solid	8015NM Prep	
890-3276-11	CS-11 (3)	Total/NA	Solid	8015NM Prep	
890-3276-12	CS-12 (3)	Total/NA	Solid	8015NM Prep	
890-3276-13	SW-1	Total/NA	Solid	8015NM Prep	
890-3276-14	SW-2	Total/NA	Solid	8015NM Prep	
890-3276-15	SW-3	Total/NA	Solid	8015NM Prep	
890-3276-16	SW-4	Total/NA	Solid	8015NM Prep	
890-3276-17	SW-5	Total/NA	Solid	8015NM Prep	
890-3276-18	SW-6	Total/NA	Solid	8015NM Prep	
890-3276-19	SW-7	Total/NA	Solid	8015NM Prep	
890-3276-20	SW-8	Total/NA	Solid	8015NM Prep	
MB 880-37876/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-37876/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-37876/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3276-1 MS	CS-1 (5)	Total/NA	Solid	8015NM Prep	
890-3276-1 MSD	CS-1 (5)	Total/NA	Solid	8015NM Prep	

Prep Batch: 37877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-21	SW-9	Total/NA	Solid	8015NM Prep	
890-3276-22	SW-10	Total/NA	Solid	8015NM Prep	
890-3276-23	SW-11	Total/NA	Solid	8015NM Prep	
MB 880-37877/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-37877/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-37877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3276-21 MS	SW-9	Total/NA	Solid	8015NM Prep	
890-3276-21 MSD	SW-9	Total/NA	Solid	8015NM Prep	

Analysis Batch: 37986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	8015 NM	
890-3276-2	CS-2 (5)	Total/NA	Solid	8015 NM	
890-3276-3	CS-3 (5)	Total/NA	Solid	8015 NM	
890-3276-4	CS-4 (2)	Total/NA	Solid	8015 NM	
890-3276-5	CS-5 (2)	Total/NA	Solid	8015 NM	
890-3276-6	CS-6 (2)	Total/NA	Solid	8015 NM	
890-3276-7	CS-7 (2)	Total/NA	Solid	8015 NM	
890-3276-8	CS-8 (2)	Total/NA	Solid	8015 NM	
890-3276-9	CS-9 (3)	Total/NA	Solid	8015 NM	
890-3276-10	CS-10 (3)	Total/NA	Solid	8015 NM	
890-3276-11	CS-11 (3)	Total/NA	Solid	8015 NM	
890-3276-12	CS-12 (3)	Total/NA	Solid	8015 NM	
890-3276-13	SW-1	Total/NA	Solid	8015 NM	
890-3276-14	SW-2	Total/NA	Solid	8015 NM	
890-3276-15	SW-3	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

GC Semi VOA (Continued)

Analysis Batch: 37986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-16	SW-4	Total/NA	Solid	8015 NM	
890-3276-17	SW-5	Total/NA	Solid	8015 NM	
890-3276-18	SW-6	Total/NA	Solid	8015 NM	
890-3276-19	SW-7	Total/NA	Solid	8015 NM	
890-3276-20	SW-8	Total/NA	Solid	8015 NM	
890-3276-21	SW-9	Total/NA	Solid	8015 NM	
890-3276-22	SW-10	Total/NA	Solid	8015 NM	
890-3276-23	SW-11	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 37879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Soluble	Solid	DI Leach	
890-3276-2	CS-2 (5)	Soluble	Solid	DI Leach	
890-3276-3	CS-3 (5)	Soluble	Solid	DI Leach	
890-3276-4	CS-4 (2)	Soluble	Solid	DI Leach	
890-3276-5	CS-5 (2)	Soluble	Solid	DI Leach	
890-3276-6	CS-6 (2)	Soluble	Solid	DI Leach	
890-3276-7	CS-7 (2)	Soluble	Solid	DI Leach	
890-3276-8	CS-8 (2)	Soluble	Solid	DI Leach	
890-3276-9	CS-9 (3)	Soluble	Solid	DI Leach	
890-3276-10	CS-10 (3)	Soluble	Solid	DI Leach	
890-3276-11	CS-11 (3)	Soluble	Solid	DI Leach	
890-3276-12	CS-12 (3)	Soluble	Solid	DI Leach	
890-3276-13	SW-1	Soluble	Solid	DI Leach	
890-3276-14	SW-2	Soluble	Solid	DI Leach	
890-3276-15	SW-3	Soluble	Solid	DI Leach	
890-3276-16	SW-4	Soluble	Solid	DI Leach	
890-3276-17	SW-5	Soluble	Solid	DI Leach	
890-3276-18	SW-6	Soluble	Solid	DI Leach	
890-3276-19	SW-7	Soluble	Solid	DI Leach	
890-3276-20	SW-8	Soluble	Solid	DI Leach	
MB 880-37879/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-37879/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-37879/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3276-1 MS	CS-1 (5)	Soluble	Solid	DI Leach	
890-3276-1 MSD	CS-1 (5)	Soluble	Solid	DI Leach	
890-3276-11 MS	CS-11 (3)	Soluble	Solid	DI Leach	
890-3276-11 MSD	CS-11 (3)	Soluble	Solid	DI Leach	

Leach Batch: 37904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-21	SW-9	Soluble	Solid	DI Leach	
890-3276-22	SW-10	Soluble	Solid	DI Leach	
890-3276-23	SW-11	Soluble	Solid	DI Leach	
MB 880-37904/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-37904/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-37904/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-20628-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-20628-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

HPLC/IC

Analysis Batch: 37912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-21	SW-9	Soluble	Solid	300.0	37904
890-3276-22	SW-10	Soluble	Solid	300.0	37904
890-3276-23	SW-11	Soluble	Solid	300.0	37904
MB 880-37904/1-A	Method Blank	Soluble	Solid	300.0	37904
LCS 880-37904/2-A	Lab Control Sample	Soluble	Solid	300.0	37904
LCSD 880-37904/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	37904
880-20628-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	37904
880-20628-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	37904

Analysis Batch: 37914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Soluble	Solid	300.0	37879
890-3276-2	CS-2 (5)	Soluble	Solid	300.0	37879
890-3276-3	CS-3 (5)	Soluble	Solid	300.0	37879
890-3276-4	CS-4 (2)	Soluble	Solid	300.0	37879
890-3276-5	CS-5 (2)	Soluble	Solid	300.0	37879
890-3276-6	CS-6 (2)	Soluble	Solid	300.0	37879
890-3276-7	CS-7 (2)	Soluble	Solid	300.0	37879
890-3276-8	CS-8 (2)	Soluble	Solid	300.0	37879
890-3276-9	CS-9 (3)	Soluble	Solid	300.0	37879
890-3276-10	CS-10 (3)	Soluble	Solid	300.0	37879
890-3276-11	CS-11 (3)	Soluble	Solid	300.0	37879
890-3276-12	CS-12 (3)	Soluble	Solid	300.0	37879
890-3276-13	SW-1	Soluble	Solid	300.0	37879
890-3276-14	SW-2	Soluble	Solid	300.0	37879
890-3276-15	SW-3	Soluble	Solid	300.0	37879
890-3276-16	SW-4	Soluble	Solid	300.0	37879
890-3276-17	SW-5	Soluble	Solid	300.0	37879
890-3276-18	SW-6	Soluble	Solid	300.0	37879
890-3276-19	SW-7	Soluble	Solid	300.0	37879
890-3276-20	SW-8	Soluble	Solid	300.0	37879
MB 880-37879/1-A	Method Blank	Soluble	Solid	300.0	37879
LCS 880-37879/2-A	Lab Control Sample	Soluble	Solid	300.0	37879
LCSD 880-37879/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	37879
890-3276-1 MS	CS-1 (5)	Soluble	Solid	300.0	37879
890-3276-1 MSD	CS-1 (5)	Soluble	Solid	300.0	37879
890-3276-11 MS	CS-11 (3)	Soluble	Solid	300.0	37879
890-3276-11 MSD	CS-11 (3)	Soluble	Solid	300.0	37879

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-1 (5)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/26/22 22:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/26/22 21:53	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:13	CH	EET MID

Client Sample ID: CS-2 (5)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/26/22 23:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/26/22 22:56	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:27	CH	EET MID

Client Sample ID: CS-3 (5)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/26/22 23:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/26/22 23:18	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:33	CH	EET MID

Client Sample ID: CS-4 (2)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/26/22 23:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-4 (2)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/26/22 23:39	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:37	CH	EET MID

Client Sample ID: CS-5 (2)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 00:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 00:00	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:42	CH	EET MID

Client Sample ID: CS-6 (2)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 00:21	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:57	CH	EET MID

Client Sample ID: CS-7 (2)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 00:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 00:42	AJ	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-7 (2)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-7****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:02	CH	EET MID

Client Sample ID: CS-8 (2)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-8****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 01:03	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:06	CH	EET MID

Client Sample ID: CS-9 (3)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-9****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 01:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 01:25	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:11	CH	EET MID

Client Sample ID: CS-10 (3)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-10****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 02:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 01:46	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:16	CH	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-11 (3)

Lab Sample ID: 890-3276-11

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 03:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 02:29	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:21	CH	EET MID

Client Sample ID: CS-12 (3)

Lab Sample ID: 890-3276-12

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 03:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 02:50	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:36	CH	EET MID

Client Sample ID: SW-1

Lab Sample ID: 890-3276-13

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 03:11	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:40	CH	EET MID

Client Sample ID: SW-2

Lab Sample ID: 890-3276-14

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 04:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-2

Lab Sample ID: 890-3276-14

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 03:32	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:55	CH	EET MID

Client Sample ID: SW-3

Lab Sample ID: 890-3276-15

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 04:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 03:54	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:00	CH	EET MID

Client Sample ID: SW-4

Lab Sample ID: 890-3276-16

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 04:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 04:15	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:05	CH	EET MID

Client Sample ID: SW-5

Lab Sample ID: 890-3276-17

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 05:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 04:36	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-5

Lab Sample ID: 890-3276-17

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:09	CH	EET MID

Client Sample ID: SW-6

Lab Sample ID: 890-3276-18

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 05:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 04:57	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:14	CH	EET MID

Client Sample ID: SW-7

Lab Sample ID: 890-3276-19

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 05:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 05:19	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:19	CH	EET MID

Client Sample ID: SW-8

Lab Sample ID: 890-3276-20

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	37872	10/26/22 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37852	10/26/22 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 05:40	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:24	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-9

Lab Sample ID: 890-3276-21

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	37872	10/26/22 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37852	10/26/22 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37877	10/26/22 11:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37857	10/26/22 21:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	37904	10/26/22 13:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37912	10/26/22 15:47	CH	EET MID

Client Sample ID: SW-10

Lab Sample ID: 890-3276-22

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	37872	10/26/22 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37852	10/26/22 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37877	10/26/22 11:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37857	10/26/22 22:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	37904	10/26/22 13:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37912	10/26/22 15:55	CH	EET MID

Client Sample ID: SW-11

Lab Sample ID: 890-3276-23

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37872	10/26/22 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37852	10/26/22 19:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37877	10/26/22 11:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37857	10/26/22 23:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	37904	10/26/22 13:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37912	10/26/22 16:15	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3276-1	CS-1 (5)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-2	CS-2 (5)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-3	CS-3 (5)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-4	CS-4 (2)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-5	CS-5 (2)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-6	CS-6 (2)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-7	CS-7 (2)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-8	CS-8 (2)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-9	CS-9 (3)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-10	CS-10 (3)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-11	CS-11 (3)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-12	CS-12 (3)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-13	SW-1	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-14	SW-2	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-15	SW-3	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-16	SW-4	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-17	SW-5	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-18	SW-6	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-19	SW-7	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-20	SW-8	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-21	SW-9	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-22	SW-10	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-23	SW-11	Solid	10/24/22 00:00	10/25/22 08:46



Chain of Custody

Work Order No: _____

Page 1 of 3

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: UST/PST ☐ PRP ☒ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

[illegible][illegible]

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$95.00 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 repaginated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Wally</i>	<i>Chae Gye</i>	10.25.22 844			
2		4			
3					
4					
5		6			

Revised Date 05/01/2020 Rev. 2020



Chain of Custody

Work Order No: _____

Page 2 of 3

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 86210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level: Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	RailSplitter 15 CTB 6		Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	225905		☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O
Project Location:	Lea Co. NM		Due Date:	48hr													Cool: Cool	MeOH: Me
Sampler's Name:	Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN
PO #	20960181																H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT			Temp Blank:	Yes No	Wet Ice:	Yes No											HOLD	
Received Inact:	Yes No		Thermometer ID:															
Cooler Custody Seals:	Yes No N/A		Correction Factor:															
Sample Custody Seals:	Yes No N/A		Temperature Reading:															
Total Containers:	24		Corrected Temperature:															
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
CS-11(3)	10/24/2022		X		Comp	1	X	X	X	X								
CS-12(3)	10/24/2022		X		Comp	1	X	X	X	X								
SW-1	10/24/2022		X		Comp	1	X	X	X	X								
SW-2	10/24/2022		X		Comp	1	X	X	X	X								
SW-3	10/24/2022		X		Comp	1	X	X	X	X								
SW-4	10/24/2022		X		Comp	1	X	X	X	X								
SW-5	10/24/2022		X		Comp	1	X	X	X	X								
SW-6	10/24/2022		X		Comp	1	X	X	X	X								
SW-7	10/24/2022		X		Comp	1	X	X	X	X								
SW-8	10/24/2022		X		Comp	1	X	X	X	X								

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Kulla</i>	<i>Que Up</i>	10-25-22			2
3					4
5					6



Chain of Custody

Work Order No: _____

Page 3 of 3

[illegible]

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3276-1

SDG Number: 225905

Login Number: 3276

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3276-1

SDG Number: 225905

Login Number: 3276**List Number: 2****Creator: Rodriguez, Leticia****List Source: Eurofins Midland****List Creation: 10/26/22 10:29 AM**

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

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

December 19, 2022

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: RAILSPLITTER 15 CTB 6

Enclosed are the results of analyses for samples received by the laboratory on 11/09/22 13:50.

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 5.5'	H225300-01	Soil	09-Nov-22 11:30	09-Nov-22 13:50
CS - 2 5.5'	H225300-02	Soil	09-Nov-22 11:30	09-Nov-22 13:50
CS - 3 5.5'	H225300-03	Soil	09-Nov-22 11:30	09-Nov-22 13:50
SW - 12	H225300-04	Soil	09-Nov-22 11:30	09-Nov-22 13:50
SW - 13	H225300-05	Soil	09-Nov-22 11:30	09-Nov-22 13:50

11/11/22 - Client changed the project name (see COC). This is the revised report and will replace the one sent on 11/09/22.

12/19/22 - Client changed the sample IDs for -04 and -05 (see COC). This is the 2nd revision of the report and will replace the one sent on 11/11/22.

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

CS - 1 5.5'
H225300-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2110923	GM	09-Nov-22	4500-Cl-B	
----------	-------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2110325	JH	09-Nov-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 87.6 % 69.9-140 2110325 JH 09-Nov-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	

Surrogate: 1-Chlorooctane 95.9 % 45.3-161 2110901 MS 09-Nov-22 8015B

Surrogate: 1-Chlorooctadecane 93.6 % 46.3-178 2110901 MS 09-Nov-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

CS - 2 5.5'
H225300-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2110923	GM	09-Nov-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2110325	JH	09-Nov-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 87.0 % 69.9-140 2110325 JH 09-Nov-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	

Surrogate: 1-Chlorooctane 83.1 % 45.3-161 2110901 MS 09-Nov-22 8015B

Surrogate: 1-Chlorooctadecane 82.6 % 46.3-178 2110901 MS 09-Nov-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

CS - 3 5.5'
H225300-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	2110923	GM	09-Nov-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2110325	JH	09-Nov-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			89.9 %	69.9-140		2110325	JH	09-Nov-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.3 %	45.3-161		2110901	MS	09-Nov-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			74.1 %	46.3-178		2110901	MS	09-Nov-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

SW - 12
H225300-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	2110923	GM	09-Nov-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2110325	JH	09-Nov-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	88.0 %	69.9-140	2110325	JH	09-Nov-22	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B

Surrogate: 1-Chlorooctane	80.4 %	45.3-161	2110901	MS	09-Nov-22	8015B
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Surrogate: 1-Chlorooctadecane	75.2 %	46.3-178	2110901	MS	09-Nov-22	8015B
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

SW - 13
H225300-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2110925	GM	09-Nov-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2110325	JH	09-Nov-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			89.0 %	69.9-140		2110325	JH	09-Nov-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	

Surrogate: 1-Chlorooctane			119 %	45.3-161		2110901	MS	09-Nov-22	8015B	
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Surrogate: 1-Chlorooctadecane			115 %	46.3-178		2110901	MS	09-Nov-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2110923 - 1:4 DI Water**Blank (2110923-BLK1)**

Prepared & Analyzed: 09-Nov-22

Chloride	ND	16.0	mg/kg
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LCS (2110923-BS1)

Prepared & Analyzed: 09-Nov-22

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (2110923-BSD1)

Prepared & Analyzed: 09-Nov-22

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Batch 2110925 - 1:4 DI Water**Blank (2110925-BLK1)**

Prepared & Analyzed: 09-Nov-22

Chloride	ND	16.0	mg/kg
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LCS (2110925-BS1)

Prepared & Analyzed: 09-Nov-22

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (2110925-BSD1)

Prepared & Analyzed: 09-Nov-22

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20
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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2110325 - Volatiles**Blank (2110325-BLK1)**

Prepared: 03-Nov-22 Analyzed: 09-Nov-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		89.7	69.9-140			

LCS (2110325-BS1)

Prepared: 03-Nov-22 Analyzed: 09-Nov-22

Benzene	1.99	0.050	mg/kg	2.00		99.3	83.4-122			
Toluene	2.08	0.050	mg/kg	2.00		104	84.2-126			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	84.2-121			
m,p-Xylene	4.18	0.100	mg/kg	4.00		104	89.9-126			
o-Xylene	1.94	0.050	mg/kg	2.00		97.1	84.3-123			
Total Xylenes	6.12	0.150	mg/kg	6.00		102	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0433		mg/kg	0.0500		86.6	69.9-140			

LCS Dup (2110325-BSD1)

Prepared: 03-Nov-22 Analyzed: 09-Nov-22

Benzene	1.88	0.050	mg/kg	2.00		94.2	83.4-122	5.29	12.6	
Toluene	1.98	0.050	mg/kg	2.00		98.9	84.2-126	4.96	13.3	
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.0	84.2-121	4.95	13.9	
m,p-Xylene	4.00	0.100	mg/kg	4.00		100	89.9-126	4.32	13.6	
o-Xylene	1.87	0.050	mg/kg	2.00		93.6	84.3-123	3.65	14.1	
Total Xylenes	5.87	0.150	mg/kg	6.00		97.9	89.1-124	4.11	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0420		mg/kg	0.0500		84.0	69.9-140			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2110901 - General Prep - Organics**Blank (2110901-BLK1)**

Prepared & Analyzed: 09-Nov-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.3		mg/kg	50.0		105	45.3-161			
Surrogate: 1-Chlorooctadecane	52.9		mg/kg	50.0		106	46.3-178			

LCS (2110901-BS1)

Prepared & Analyzed: 09-Nov-22

GRO C6-C10	198	10.0	mg/kg	200		99.0	76.8-124			
DRO >C10-C28	212	10.0	mg/kg	200		106	74.9-127			
Total TPH C6-C28	410	10.0	mg/kg	400		103	77.5-124			
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	45.3-161			
Surrogate: 1-Chlorooctadecane	56.5		mg/kg	50.0		113	46.3-178			

LCS Dup (2110901-BSD1)

Prepared & Analyzed: 09-Nov-22

GRO C6-C10	215	10.0	mg/kg	200		108	76.8-124	8.28	17.2	
DRO >C10-C28	235	10.0	mg/kg	200		118	74.9-127	10.3	18.6	
Total TPH C6-C28	450	10.0	mg/kg	400		113	77.5-124	9.35	17.6	
Surrogate: 1-Chlorooctane	60.2		mg/kg	50.0		120	45.3-161			
Surrogate: 1-Chlorooctadecane	65.2		mg/kg	50.0		130	46.3-178			

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H225300

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-286-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level: I ☐ Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	<u>Devon Energy</u>		Turn Around	☒ Rush	ANALYSIS REQUEST	PRESERVATIVE CODES					
Project Number:	<u>226363</u>		Due Date:	<u>Same day</u>							
Project Location:	<u>Lea Co, NM</u>		TAT starts the day received by the lab, if received by 4:30pm								
Sampler's Name:	<u>Kenny Han</u>										
PO #:	<u>21073110</u>										
SAMPLE RECEIPT					Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Thermometer ID:	<u>113</u>	
Received In tact:	Yes ☒ No ☐		Correction Factor:	<u>-0.6°C</u>	Parameters						
Cooler Custody Seals:	Yes ☒ No ☐		Temperature Reading:	<u>20.9°C</u>	BTX 8021B						
Sample Custody Seals:	Yes ☒ No ☐		Corrected Temperature:	<u>20.3°C</u>	TPH 8015M (GRO + DRO + MRO)						
Total Containers:	<u>5</u>				Chloride 4500						
Sample Identification					Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments
CS-1					5.51	11:20				1	
CS-2					5.51					1	
CS-3					5.51					1	
SW-1					5.13					1	
SW-2					5.13					1	
SW-3					5.13					1	
SW-4					5.13					1	
SW-5					5.13					1	
SW-6					5.13					1	
SW-7					5.13					1	
SW-8					5.13					1	
SW-9					5.13					1	
SW-10					5.13					1	
SW-11					5.13					1	
SW-12					5.13					1	
SW-13					5.13					1	
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SW-15					5.13					1	
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SW-96					5.13					1	
SW-97					5.13					1	
SW-98					5.13					1	
SW-99					5.13					1	
SW-100					5.13					1	

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>11-9-22 1350</u>			



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

January 17, 2023

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

**Re: Closure Report
Railsplitter 15 CTB 6
Devon Energy Production Company
Site Location: Unit N, S15, T26S, R34E
(Lat 32.039582 °, Long -103.459734 °)
Lea County, New Mexico
Incident ID: nAPP2118152809**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remedial action activities at the Railsplitter 15 CTB 6 (Site). The Site is located approximately 14.7 miles west of Bennett, New Mexico in Lea 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 June 14, 2021. The release was a result of a sight glass breaking on a three-phase separator at the Site. Approximately 14.4 barrels (bbls) of oil was released of which 10 bbls were recovered. Upon discovery, the well was shut-in, and the area was secured. The release area is shown on Figure 3. A copy of the initial C-141 form is attached.

Site Characterization

The Site is located within a low karst area. Based on a review of the New Mexico National Flood Hazard Layer, there are no known surface waters within a 300 feet (ft) radius of the Site. Additionally, review of the Office of State Engineer and USGS databases, there are no known groundwater wells within a ½ mile radius of the Site. The nearest identified well is located 3.53 miles northwest of the Site in Section 15, T26S, R34E. The well was drilled in 1976 and the reported depth to groundwater is 123.52 feet below ground surface (ft bgs). 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

Mr. Mike Bratcher
January 17, 2023
Page 2 of 3

Site Assessment

On July 21, 2022, NTGE conducted site assessment activities to assess the horizontal and vertical extent of impacts at the Site. A total of four sample points (S-1 through S-4) were installed within the release area to characterize the impacts. Additionally, five horizontal delineation sample points (H-1 through H-5) were installed to define the extent of impacts. Soil samples were collected in 0.5-1 ft depth intervals and collected from depths ranging from 0.5-4.5 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, stored on ice, and transported under proper chain-of-custody protocol to an accredited third-party laboratory for chemical analysis. The soil samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Soil analytical results are provided in Table 1, attached. Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Analytical results identified elevated TPH and/or chloride concentrations across the release area. Soil impacts were identified in S-1 from 0 – 4.5 ft bgs, S-2 and S-3 from 0-1.5 ft bgs, and S-4 from 1-2.5 ft bgs. Further delineation efforts will be conducted during excavation activities to help characterize the vertical extent of impact. Analytical results from the horizontal delineation indicated sample points H-1 through H-5 were above the regulatory limit for chlorides and/or TPH. The vertical and horizontal extent of impacts is not defined; however, the full extent of impacts was addressed in conducting remedial action activities.

Remedial Action Activities and Confirmation Sampling

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

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

A total of 12 composite confirmation samples were collected from the excavation base (CS-1 - CS-12) and 11 composite confirmation samples were collected from the excavation sidewalls (SW-1 - SW-11) to ensure impacted soil was removed. The confirmation samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B or 300.0). Analytical results indicated that CS-1 through CS-3, SW-2, and SW-5, exhibited total TPH concentrations above the regulatory limit and the areas would require further excavation.

The excavation in the areas of CS-1, CS-2, and CS-3 was extended to a depth of 5.5 ft bgs and the excavation in the areas of SW-2 and SW-5 was expanded. Following excavation extension and expansion, additional confirmation samples were collected from the expanded base (CS-1, CS-2, CS-3) and sidewalls (SW-12 and SW-13).

Mr. Mike Bratcher
January 17, 2023
Page 3 of 3

The final excavation extent and confirmation sample locations are shown on Figure 4. All 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). Analytical results of the confirmation samples are provided in Table 2. All results are below the regulatory limits. Following receipt of the analytical results the excavation was backfilled and returned to near natural grade.

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 is attached, and Devon 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: Jordan Tyner
Sent: Monday, November 7, 2022 11:20 AM
To: New Mexico OCD
Cc: Ethan Sessums
Subject: Sampling Event

We will be conducting a sampling event on behalf of Devon on November 9, 2022 around 10am

nAPP2118152809	RailSplitter 15 CTB 6	6/14/2021
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Jordan Tyner
Project Scientist
NTG Environmental New Mexico
402 E Wood Ave, Carlsbad, NM 88220
M: (903) 309-8358 W: (432) 813-0263
Email: jtyner@ntglobal.com
<http://www.ntgenvironmental.com/>



Jordan Tyner

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, October 24, 2022 9:54 AM
To: Jordan Tyner
Cc: Bratcher, Michael, EMNRD
Subject: FW: [EXTERNAL] Sampling Event

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Jordan

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, October 19, 2022 2:21 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Sampling Event

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@state.nm.us
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Jordan Tyner <JTtyner@ntglobal.com>
Sent: Wednesday, October 19, 2022 1:57 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ethan Sessums <ESessums@ntglobal.com>
Subject: [EXTERNAL] Sampling Event

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

We will be conducting a sampling event on behalf of Devon on October 21, 2022 around 10am

nAPP2118152809	RailSplitter 15 CTB 6	6/14/2021
----------------	-----------------------	-----------

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



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INITIAL AND FINAL C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>Kendra DeHoyos</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>7/7/2021</u>

Incident ID	nAPP2118152809
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>123.52'</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2118152809
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Env. ProfessionalSignature: Dale Woodall Date: 3/8/2023email: dale.woodall@dm.com Telephone: 575-748-1838**OCD Only**

Received by: _____ Date: _____

Incident ID	nAPP2118152809
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: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 3-8-2023
email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Incident ID	nAPP2118152809
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 3/8/2023
email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

NAPP2118152809

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
<i>Contaminated Soil measurement</i>	
Area (square feet)	Depth(inches)
<u>1617</u>	<u>0.500</u>
Cubic Feet of Soil Impacted	<u>67.375</u>
Barrels of Soil Impacted	<u>12.01</u>
Soil Type	Sand
Barrels of Oil Assuming 100% Saturation	<u>2.40</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	2.40
<i>Free Standing Fluid Only</i>	
Area (square feet)	Depth(inches)
<u>1617</u>	<u>0.500</u>
Standing fluid	<u>12.010</u>
Total fluids spilled	<u>14.412</u>

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

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

CONDITIONS

Action 34517

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 34517
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
marcus	None	7/7/2021

SITE CHARACTERIZATION INFORMATION

Devon Railsplitter 15 CTB 6
Sec15 T26S R34E
32.0386064°N, -103.4593275°W
Lea County, New Mexico

Site Characterizations

- No Depth to GW information within half mile under 25 years old.
- 1 water feature within a 1/2 mile radius
- low Karst
- Closest well 3.53 miles Northwest, depth of 123.53' below ground level, drilled 1/8/1976, Sec 15 T26S R34E

Railsplitter 15 CTB 6

KARST MAP

Legend

-  3'
-  5'
-  Feature 1
-  Feature 2
-  Feature 3
-  Low
-  Medium
-  Sidewall Extension

SW-3
CS-7
SW-4





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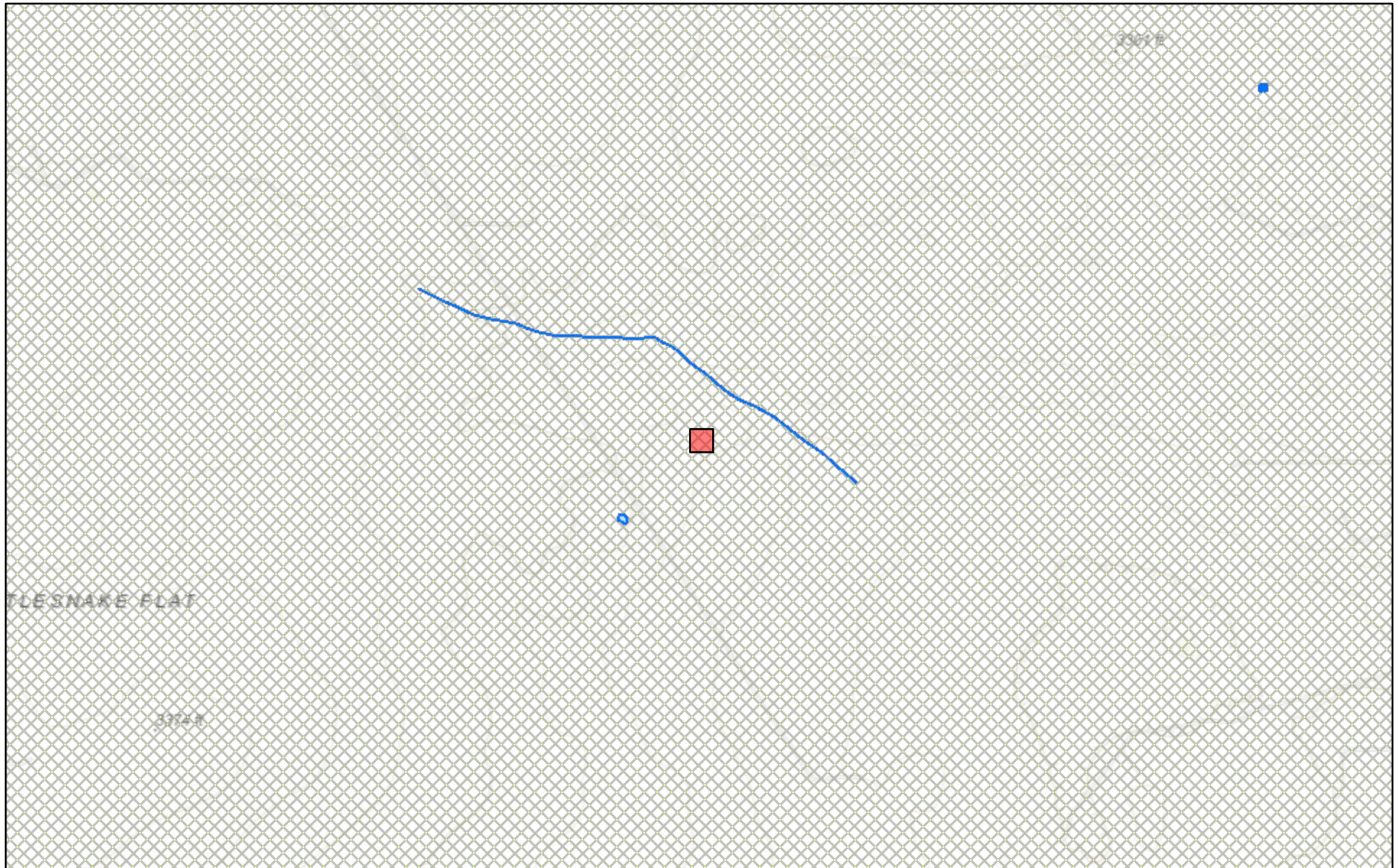
National Water Information System: Mapper

[Help](#) [Info](#)

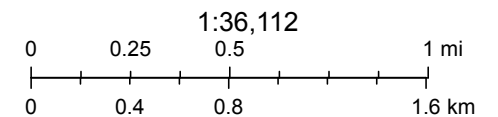


Site Information

New Mexico NFHL Data



December 21, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04583 POD1	CUB	LE		3	3	3	15	26S	34E	644920	3545643	598	55		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 645471.42

Northing (Y): 3545875.74

Radius: 4000

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

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Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04583 POD1	3	3	3	15	26S	34E	644920	3545643 
Driller License: 1249		Driller Company: ATKINS ENGINEERING ASSOC. INC.							
Driller Name: JACKIE D ATKINS									
Drill Start Date: 01/04/2022		Drill Finish Date: 01/04/2022		Plug Date:					
Log File Date: 02/04/2022		PCW Rcv Date:		Source:					
Pump Type:		Pipe Discharge Size:		Estimated Yield:					
Casing Size:		Depth Well: 55 feet		Depth Water:					

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

12/23/22 3:31 PM

POINT OF DIVERSION SUMMARY

TABLES

**Table 1 - Soil Delineation Samples - Remedial Action Activities
Devon Energy Production Company
Rail Splitter 15 CTB 6
Eddy County, New Mexico**

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
			DRO	GRO	MRO	Total						
S-1 (0-1)	7/21/2022	0 - 1'	1600	217	<49.9	1,820	<0.00199	0.0198	0.0291	0.204	0.253	51.4
S-1 (1-1.5)	7/21/2022	1 - 1.5'	1830	245	<49.9	2,080	<0.00199	0.0284	0.0280	0.192	0.249	216
S-1 (2-2.5)	7/21/2022	2 - 2.5'	462	161	<49.9	623	<0.00199	0.0648	0.0756	0.514	0.654	33.5
S-1 (3-3.5)	7/21/2022	3 - 3.5'	745	514	<50.0	1,260	<0.00199	0.0817	0.258	1.13	1.47	6.53
S-1 (4-4.5)	7/21/2022	4 - 4.5'	771	740	<50.0	1,510	<0.00199	0.0985	0.352	2.72	3.17	15.9
S-2 (0-1)	7/21/2022	0 - 1'	1980	<50.0	<50.0	1,980	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,640
S-2 (1-1.5)	7/21/2022	1 - 1.5'	639	<49.9	<49.9	639	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,090
S-3 (0-1)	7/21/2022	0 - 1'	1640	222	<49.8	1,860	<0.00199	0.00525	0.0171	0.0914	0.114	180
S-3 (1-1.5)	7/21/2022	1 - 1.5'	1260	364	<50.0	1,620	<0.00199	0.00944	0.0310	0.163	0.204	235
S-4 (0-1)	7/21/2022	0 - 1'	52.5	<50.0	<50.0	52.5	<0.00199	<0.00199	0.00265	<0.00398	<0.00398	253
S-4 (1-1.5)	7/21/2022	1 - 1.5'	722	<50.0	<50.0	722	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,720
S-4 (2-2.5)	7/21/2022	2 - 2.5'	517	<49.9	<49.9	517	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,520
H-1	7/21/2022	n/a	1420	80.8	<50.0	1,500	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,440
H-2	7/21/2022	n/a	1080	<49.9	<49.9	1,080	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	955
H-3	7/21/2022	n/a	1040	61.7	<50.0	1,100	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	79.3
H-4	7/21/2022	n/a	368	<50.0	<50.0	368	<0.00201	0.00245	<0.00201	<0.00402	<0.00402	42.9
H-5	7/21/2022	n/a	812	<49.9	<49.9	812	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,610
Regulatory Limits ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- total petroleum hydrocarbons

ft-feet

 - exceeds regulatory limits

Table 2 - Soil Confirmation Samples - Remedial Action Activities
Devon Energy Production Company
Rail Splitter 15 CTB 6
Eddy County, New Mexico

Sample ID	Date	Sample Depth	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chlorides (mg/kg)
			DRO	GRO	MRO	Total						
CS-1	10/24/2022	5	100	<49.8	<49.8	100	<0.00198	<0.00198	0.00346	<0.00396	<0.00396	33.9
	11/9/2022	5.5	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.150	<0.300	<16.0
CS-2	10/24/2022	5	613	<49.9	<49.9	613	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.5
	11/9/2022	5.5	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.150	<0.300	<16.0
CS-3	10/24/2022	5	104	<49.8	<49.8	104	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.9
	11/9/2022	5.5	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.150	<0.300	16
CS-4	10/24/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	25.0
CS-5	10/24/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.0
CS-6	10/24/2022	2	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	143
CS-7	10/24/2022	2	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.0
CS-8	10/24/2022	2	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	268
CS-9	10/24/2022	3	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	38.6
CS-10	10/24/2022	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	20.6
CS-11	10/24/2022	3	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	29.9
CS-12	10/24/2022	3	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	35.0
SW-1	10/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.1
SW-2	10/24/2022	--	168	<50.0	<50.0	168	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	115
SW-3	10/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	28.9
SW-4	10/24/2022	--	94.3	<50.0	<50.0	94.3	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	44.3
SW-5	10/24/2022	--	228	<49.9	<49.9	228	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	39.5
SW-6	10/24/2022	--	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	88.7
SW-7	10/24/2022	--	72.3	<50.0	<50.0	72.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.4
SW-8	10/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	42.8
SW-9	10/24/2022	--	<49.8	<49.8	<49.8	<49.8	0.00748	0.00688	0.0356	0.0783	0.128	23.9
SW-10	10/24/2022	--	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	19.0
SW-11	10/24/2022	--	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.4
SW-12	11/9/2022	--	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.150	<0.300	112
SW-13	11/9/2022	--	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.150	<0.300	48
Regulatory Limits ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

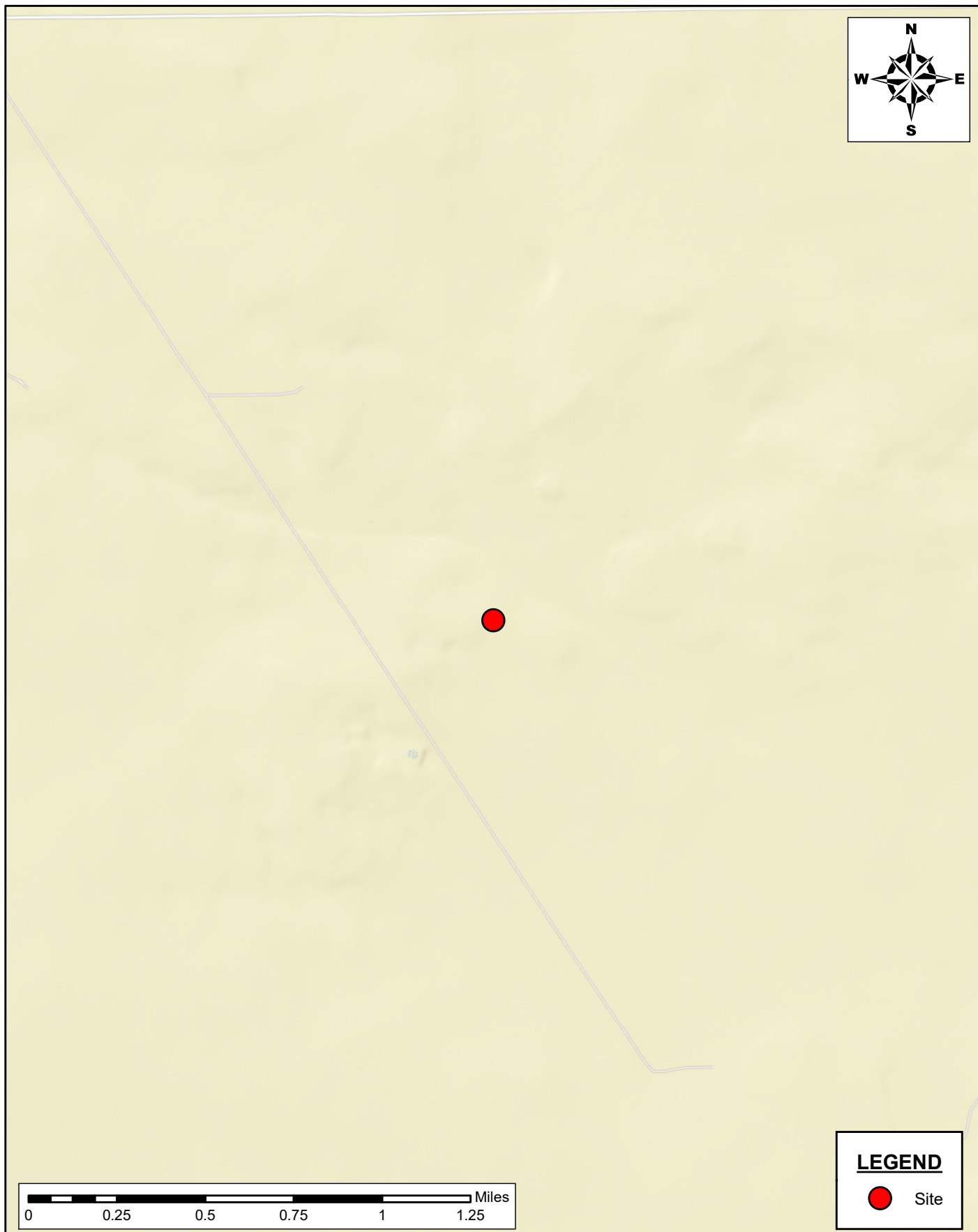
TPH- total petroleum hydrocarbons

ft-feet

- exceeds regulatory limits

FIGURES

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**SITE LOCATION MAP
ASSESSMENT REPORT**
SITE RAIL SPLITTER 15 CTB 6
DEVON ENERGY PRODUCTION COMPANY, LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown

Date: 8/2/2022

PROJECT #: 225905



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

NOTES:

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

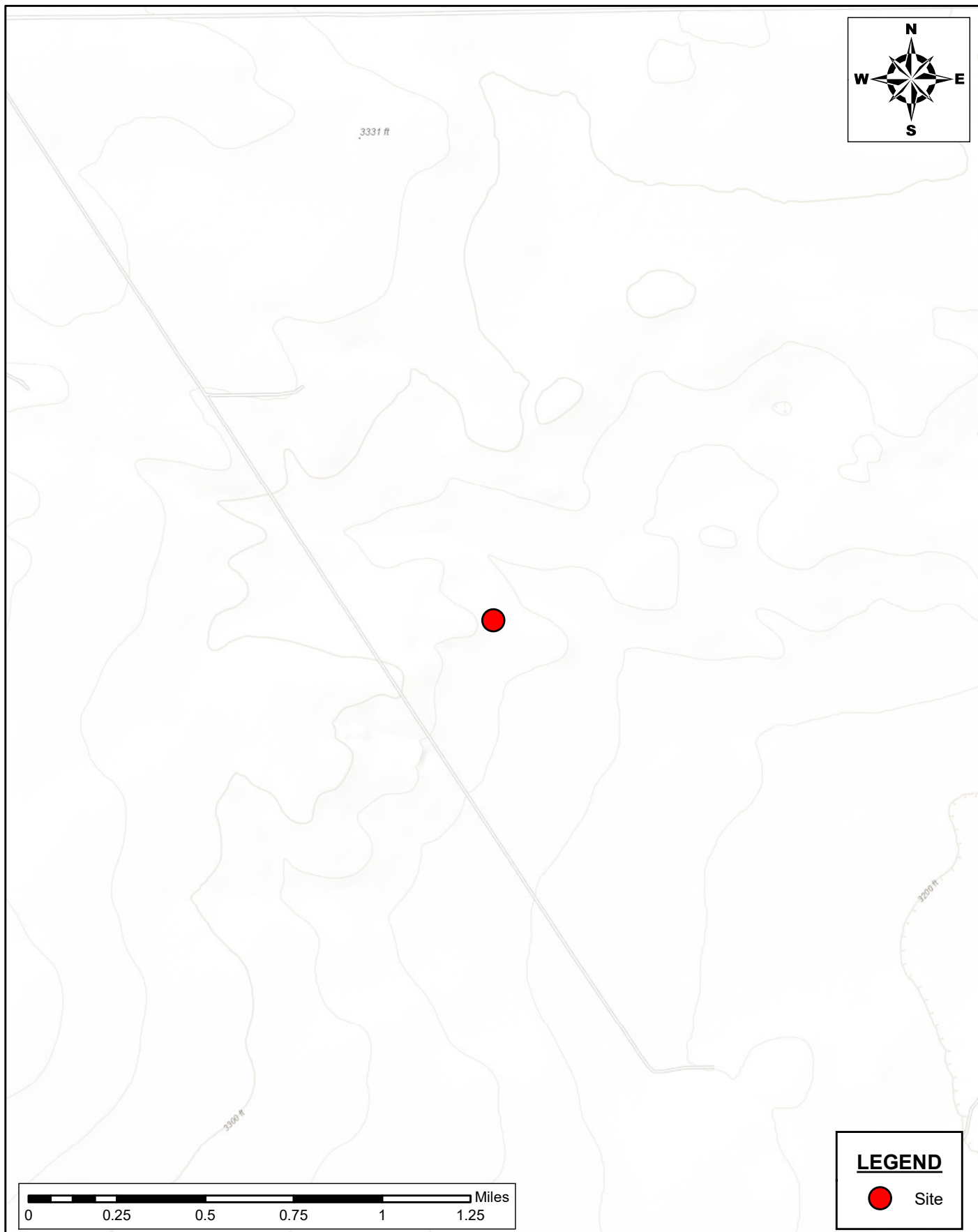
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FIGURE 1

SHEET NUMBER:

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**SITE LOCATION MAP
ASSESSMENT REPORT**
SITE RAIL SPLITTER 15 CTB 6
DEVON ENERGY PRODUCTION COMPANY, LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 8/2/2022 PROJECT #: 225905



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

NOTES:

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

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FIGURE 2

SHEET NUMBER:

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**SITE LOCATION MAP
ASSESSMENT REPORT**
RAIL SPLITTER 15 CTB 6
DEVON ENERGY PRODUCTION COMPANY, LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 1/16/2023 PROJECT #: 225905



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

NOTES:

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

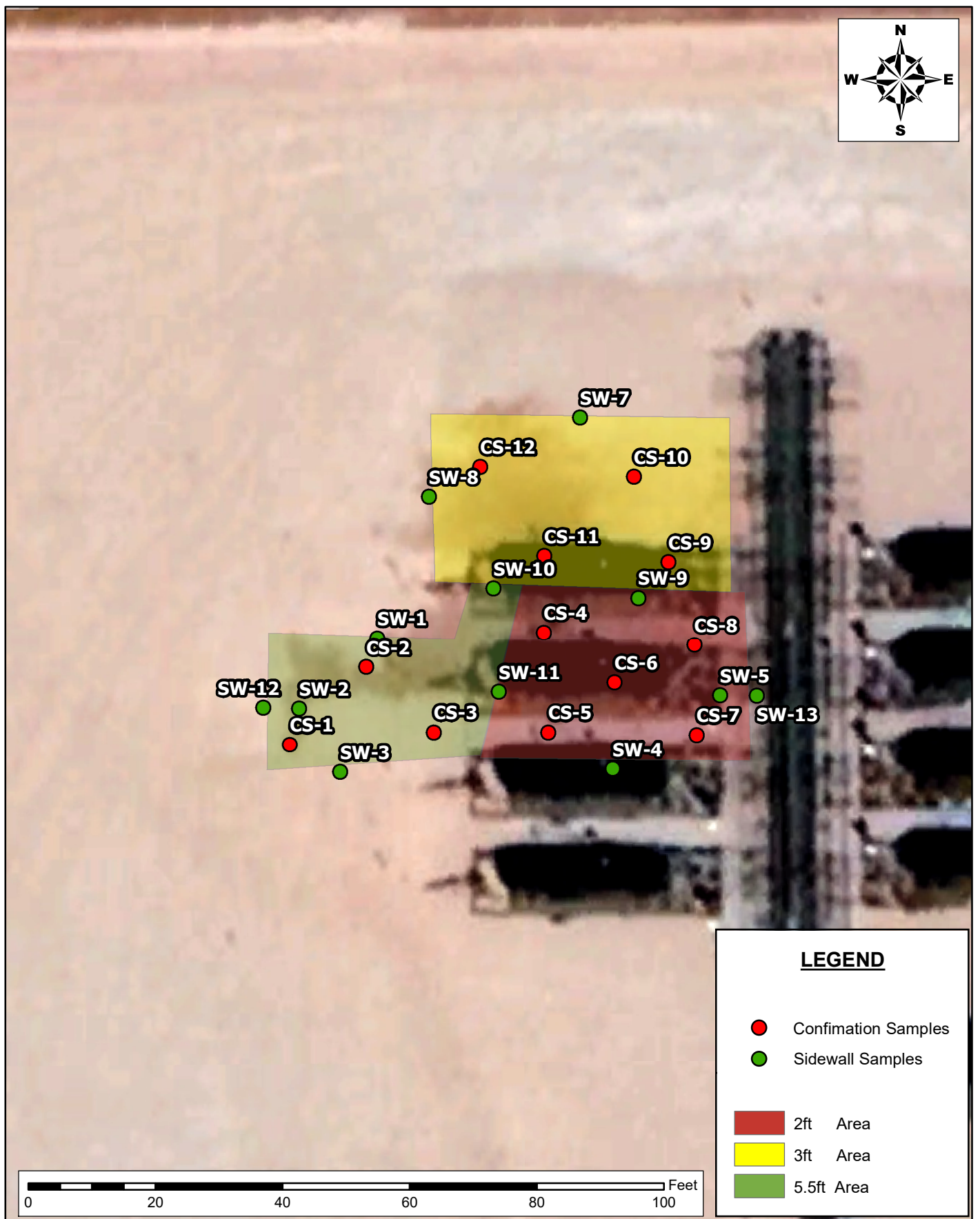
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FIGURE 3

SHEET NUMBER:

1 of 1

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**EXCAVATION MAP
ASSESSMENT REPORT**
RAIL SPLITTER 15 CTB 6
DEVON ENERGY PRODUCTION COMPANY, LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 1/16/2023 PROJECT #: 225905



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

NOTES:

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

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

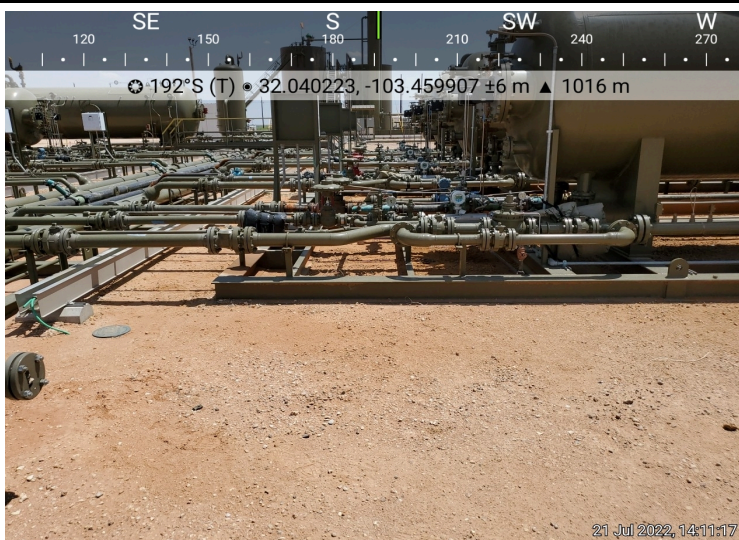
Devon Energy Production Company

Photograph No. 1**Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**

Visibly stained soil.

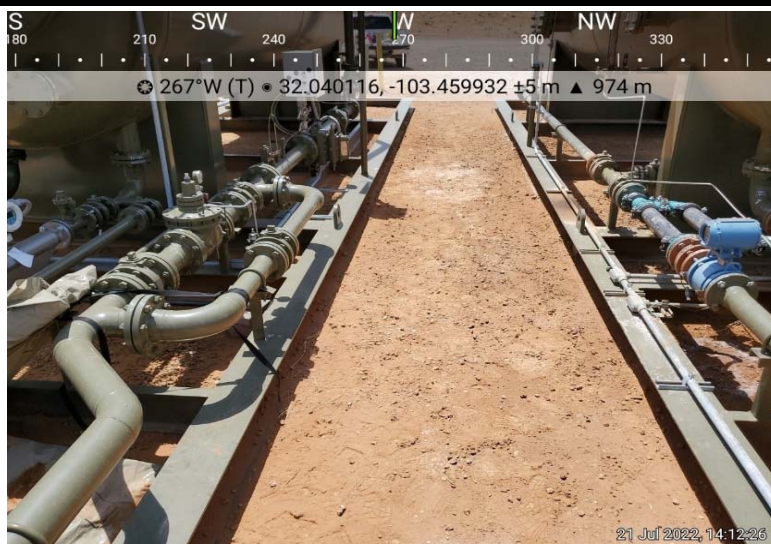
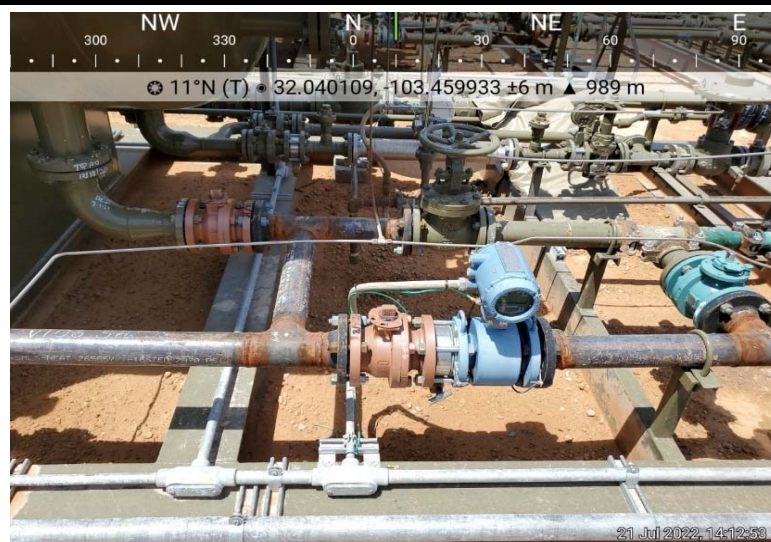
**Photograph No. 2****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**

Visibly stained area.

**Photograph No. 3****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:** Edge of stained area.

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 4**Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
visibly discolored soil.**Photograph No. 5****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
visibly discolored soil.**Photograph No. 6****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
visibly discolored soil.

PHOTOGRAPHIC LOG

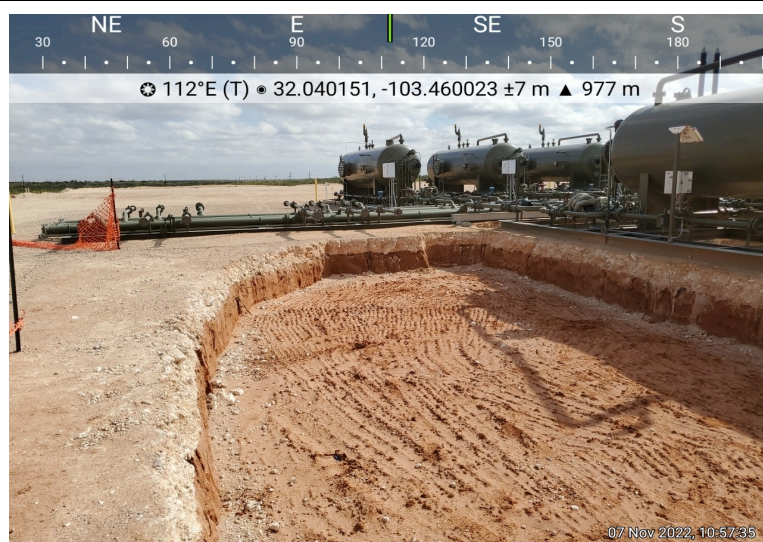
Devon Energy Production Company

Photograph No. 7**Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**

Area of excavation.

**Photograph No. 8****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**

Area of excavation.

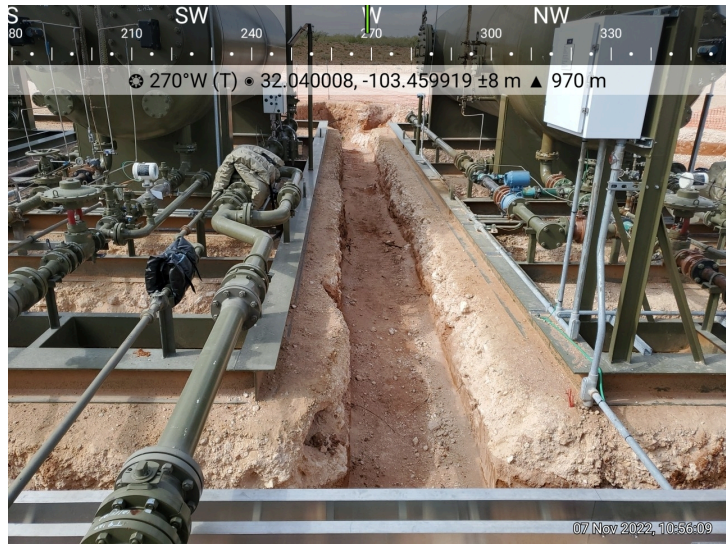
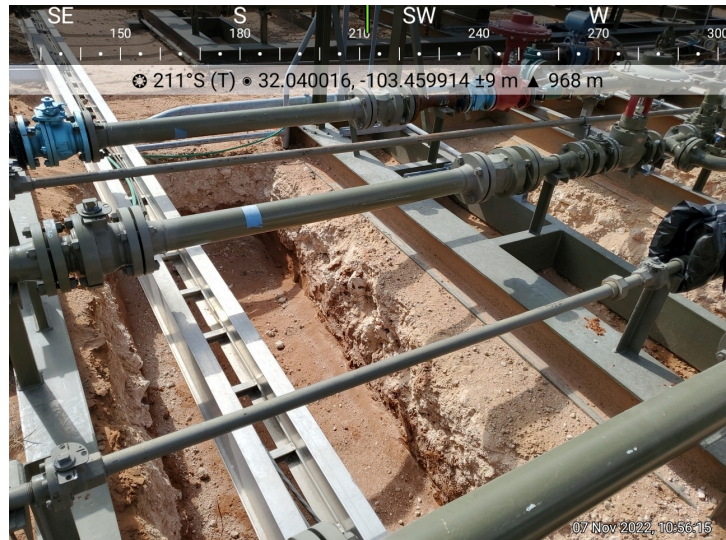
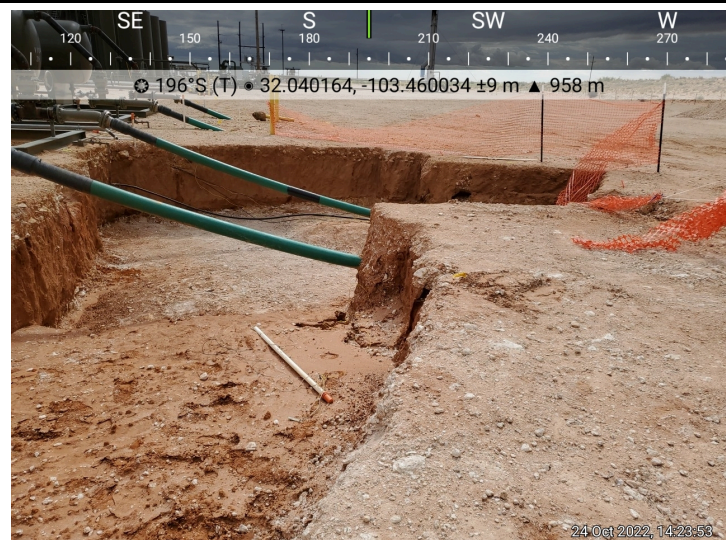
**Photograph No. 9****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**

Area of excavation.



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 10**Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
Area of excavation.**Photograph No. 11****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
Area of excavation.**Photograph No. 12****Facility:** Railsplitter 15 CTB 6**County:** Lea County, New Mexico**Description:**
Area of excavation.

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2623-1

Laboratory Sample Delivery Group: 225905

Client Project/Site: Rail Splitter 15 CTB 6

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

8/2/2022 3:43:11 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project
results through



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www.eurofinsus.com/Env

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

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

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Laboratory Job ID: 890-2623-1
SDG: 225905

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Definitions/Glossary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Job ID: 890-2623-1

Laboratory: Eurofins Carlsbad

Narrative

**Job Narrative
890-2623-1**

Receipt

The samples were received on 7/22/2022 8:52 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-30687 and analytical batch 880-31048 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 880-30703 and analytical batch 880-31048 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 / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-31170 and analytical batch 880-31148 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: Surrogate recovery for the following sample was outside control limits: S-1 (4-4.5) (890-2623-10). 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.

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-30667 and analytical batch 880-30645 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.

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

HPLC/IC

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

Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-1

Lab Sample ID: 890-2623-1

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		07/26/22 11:38	07/30/22 13:58	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		07/26/22 11:38	07/30/22 13:58	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		07/26/22 11:38	07/30/22 13:58	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		07/26/22 11:38	07/30/22 13:58	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		07/26/22 11:38	07/30/22 13:58	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		07/26/22 11:38	07/30/22 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/26/22 11:38	07/30/22 13:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/26/22 11:38	07/30/22 13:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1500		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	80.8		50.0		mg/Kg		07/26/22 10:45	07/26/22 21:30	1
Diesel Range Organics (Over C10-C28)	1420	F1	50.0		mg/Kg		07/26/22 10:45	07/26/22 21:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	07/26/22 10:45	07/26/22 21:30	1
o-Terphenyl	93		70 - 130	07/26/22 10:45	07/26/22 21:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1440		25.1		mg/Kg			07/27/22 05:22	5

Client Sample ID: SW-2

Lab Sample ID: 890-2623-2

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2

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 11:38	07/30/22 14:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 14:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	54	S1-	70 - 130	07/26/22 11:38	07/30/22 14:18	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-2

Lab Sample ID: 890-2623-2

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	07/26/22 11:38	07/30/22 14:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1080		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/26/22 22:36	1
Diesel Range Organics (Over C10-C28)	1080		49.9		mg/Kg		07/26/22 10:45	07/26/22 22:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/26/22 22:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				07/26/22 10:45	07/26/22 22:36	1
o-Terphenyl	104		70 - 130				07/26/22 10:45	07/26/22 22:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	955		4.97		mg/Kg			07/27/22 05:46	1

Client Sample ID: SW-3

Lab Sample ID: 890-2623-3

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 3

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 11:38	07/30/22 14:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/26/22 11:38	07/30/22 14:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 14:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/26/22 11:38	07/30/22 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	07/26/22 11:38	07/30/22 14:38	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/26/22 11:38	07/30/22 14:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1100		50.0		mg/Kg			07/27/22 08:23	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-3

Lab Sample ID: 890-2623-3

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	61.7		50.0		mg/Kg		07/26/22 10:45	07/26/22 22:57	1
Diesel Range Organics (Over C10-C28)	1040		50.0		mg/Kg		07/26/22 10:45	07/26/22 22:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				07/26/22 10:45	07/26/22 22:57	1
o-Terphenyl	121		70 - 130				07/26/22 10:45	07/26/22 22:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.3		5.03		mg/Kg			07/27/22 05:53	1

Client Sample ID: SW-4

Lab Sample ID: 890-2623-4

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
Toluene	0.00245		0.00201		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	40	S1-	70 - 130				07/26/22 11:38	07/30/22 14:59	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/26/22 11:38	07/30/22 14:59	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			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	368		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 23:19	1
Diesel Range Organics (Over C10-C28)	368		50.0		mg/Kg		07/26/22 10:45	07/26/22 23:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				07/26/22 10:45	07/26/22 23:19	1
o-Terphenyl	97		70 - 130				07/26/22 10:45	07/26/22 23:19	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-4

Lab Sample ID: 890-2623-4

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.9		4.96		mg/Kg			07/27/22 06:01	1

Client Sample ID: SW-5

Lab Sample ID: 890-2623-5

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
o-Xylene	0.00308		0.00200		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				07/26/22 11:38	07/30/22 15:19	1
1,4-Difluorobenzene (Surr)	82		70 - 130				07/26/22 11:38	07/30/22 15:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	812		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/26/22 23:41	1
Diesel Range Organics (Over C10-C28)	812		49.9		mg/Kg		07/26/22 10:45	07/26/22 23:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/26/22 23:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/26/22 10:45	07/26/22 23:41	1
o-Terphenyl	104		70 - 130				07/26/22 10:45	07/26/22 23:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6610		25.0		mg/Kg			07/27/22 06:09	5

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-6

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 15:40	1
Toluene	0.0198		0.00199		mg/Kg		07/26/22 11:38	07/30/22 15:40	1
Ethylbenzene	0.0291		0.00199		mg/Kg		07/26/22 11:38	07/30/22 15:40	1
m-Xylene & p-Xylene	0.126		0.00398		mg/Kg		07/26/22 11:38	07/30/22 15:40	1
o-Xylene	0.0782		0.00199		mg/Kg		07/26/22 11:38	07/30/22 15:40	1
Xylenes, Total	0.204		0.00398		mg/Kg		07/26/22 11:38	07/30/22 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/26/22 11:38	07/30/22 15:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130				07/26/22 11:38	07/30/22 15:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.253		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1820		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	217		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:03	1
Diesel Range Organics (Over C10-C28)	1600		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/26/22 10:45	07/27/22 00:03	1
o-Terphenyl	98		70 - 130				07/26/22 10:45	07/27/22 00:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.4		5.00		mg/Kg			07/27/22 06:33	1

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

Lab Sample ID: 890-2623-7

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:00	1
Toluene	0.0284		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:00	1
Ethylbenzene	0.0280		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:00	1
m-Xylene & p-Xylene	0.119		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:00	1
o-Xylene	0.0731		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:00	1
Xylenes, Total	0.192		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/26/22 11:38	07/30/22 16:00	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-7

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85		70 - 130	07/26/22 11:38	07/30/22 16:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.249		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2080		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	245		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:24	1
Diesel Range Organics (Over C10-C28)	1830		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 00:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/26/22 10:45	07/27/22 00:24	1
o-Terphenyl	100		70 - 130				07/26/22 10:45	07/27/22 00:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		5.05		mg/Kg			07/27/22 06:41	1

Client Sample ID: S-1 (2-2.5)

Lab Sample ID: 890-2623-8

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2 - 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:21	1
Toluene	0.0648		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:21	1
Ethylbenzene	0.0756		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:21	1
m-Xylene & p-Xylene	0.317		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:21	1
o-Xylene	0.197		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:21	1
Xylenes, Total	0.514		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/26/22 11:38	07/30/22 16:21	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130	07/26/22 11:38	07/30/22 16:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.654		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	623		49.9		mg/Kg			07/27/22 08:23	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-1 (2-2.5)

Lab Sample ID: 890-2623-8

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	161		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:46	1
Diesel Range Organics (Over C10-C28)	462		49.9		mg/Kg		07/26/22 10:45	07/27/22 00:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				07/26/22 10:45	07/27/22 00:46	1
o-Terphenyl	94		70 - 130				07/26/22 10:45	07/27/22 00:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.5		5.02		mg/Kg			07/27/22 06:48	1

Client Sample ID: S-1 (3-3.5)

Lab Sample ID: 890-2623-9

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 3 - 3.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
Toluene	0.0817		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
Ethylbenzene	0.258		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
m-Xylene & p-Xylene	0.750		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
o-Xylene	0.379		0.00199		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
Xylenes, Total	1.13		0.00398		mg/Kg		07/26/22 11:38	07/30/22 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130				07/26/22 11:38	07/30/22 16:41	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/26/22 11:38	07/30/22 16:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.47		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1260		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	514		50.0		mg/Kg		07/26/22 10:45	07/27/22 01:07	1
Diesel Range Organics (Over C10-C28)	745		50.0		mg/Kg		07/26/22 10:45	07/27/22 01:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/26/22 10:45	07/27/22 01:07	1
o-Terphenyl	97		70 - 130				07/26/22 10:45	07/27/22 01:07	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-1 (3-3.5)

Lab Sample ID: 890-2623-9

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 3 - 3.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.53		4.96		mg/Kg			07/27/22 06:56	1

Client Sample ID: S-1 (4-4.5)

Lab Sample ID: 890-2623-10

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 4 - 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/01/22 09:07	08/01/22 17:39	1
Toluene	0.0985		0.00199		mg/Kg		08/01/22 09:07	08/01/22 17:39	1
Ethylbenzene	0.352		0.00199		mg/Kg		08/01/22 09:07	08/01/22 17:39	1
m-Xylene & p-Xylene	2.12		0.398		mg/Kg		08/02/22 09:44	08/02/22 15:39	100
o-Xylene	0.596		0.199		mg/Kg		08/02/22 09:44	08/02/22 15:39	100
Xylenes, Total	2.72		0.398		mg/Kg		08/02/22 09:44	08/02/22 15:39	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	393	S1+	70 - 130				08/01/22 09:07	08/01/22 17:39	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/01/22 09:07	08/01/22 17:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.17		0.398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1510		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	740		50.0		mg/Kg		07/26/22 10:45	07/27/22 01:29	1
Diesel Range Organics (Over C10-C28)	771		50.0		mg/Kg		07/26/22 10:45	07/27/22 01:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 01:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/26/22 10:45	07/27/22 01:29	1
o-Terphenyl	96		70 - 130				07/26/22 10:45	07/27/22 01:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		5.04		mg/Kg			07/27/22 07:04	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-11

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 18:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 18:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 18:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 18:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 18:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/26/22 11:38	07/30/22 18:53	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/26/22 11:38	07/30/22 18:53	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			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1980		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 02:12	1
Diesel Range Organics (Over C10-C28)	1980		50.0		mg/Kg		07/26/22 10:45	07/27/22 02:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	07/26/22 10:45	07/27/22 02:12	1
o-Terphenyl	103		70 - 130	07/26/22 10:45	07/27/22 02:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1640		25.2		mg/Kg			07/27/22 07:12	5

Client Sample ID: S-2 (1-1.5)

Lab Sample ID: 890-2623-12

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 19:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 19:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 19:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 19:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 19:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/26/22 11:38	07/30/22 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/26/22 11:38	07/30/22 19:13	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-2 (1-1.5)

Lab Sample ID: 890-2623-12

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	07/26/22 11:38	07/30/22 19:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	639		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 02:34	1
Diesel Range Organics (Over C10-C28)	639		49.9		mg/Kg		07/26/22 10:45	07/27/22 02:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 02:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				07/26/22 10:45	07/27/22 02:34	1
o-Terphenyl	97		70 - 130				07/26/22 10:45	07/27/22 02:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		4.97		mg/Kg			07/27/22 07:35	1

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

Lab Sample ID: 890-2623-13

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:34	1
Toluene	0.00525		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:34	1
Ethylbenzene	0.0171		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:34	1
m-Xylene & p-Xylene	0.0412		0.00398		mg/Kg		07/26/22 11:38	07/30/22 19:34	1
o-Xylene	0.0502		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:34	1
Xylenes, Total	0.0914		0.00398		mg/Kg		07/26/22 11:38	07/30/22 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/26/22 11:38	07/30/22 19:34	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/26/22 11:38	07/30/22 19:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.114		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1860		49.8		mg/Kg			07/27/22 08:23	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-13

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	222		49.8		mg/Kg		07/26/22 10:45	07/27/22 02:55	1
Diesel Range Organics (Over C10-C28)	1640		49.8		mg/Kg		07/26/22 10:45	07/27/22 02:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/26/22 10:45	07/27/22 02:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/26/22 10:45	07/27/22 02:55	1
o-Terphenyl	95		70 - 130				07/26/22 10:45	07/27/22 02:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		5.00		mg/Kg			07/27/22 07:43	1

Client Sample ID: S-3 (1-1.5)

Lab Sample ID: 890-2623-14

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
Toluene	0.00944		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
Ethylbenzene	0.0310		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
m-Xylene & p-Xylene	0.0733		0.00398		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
o-Xylene	0.0901		0.00199		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
Xylenes, Total	0.163		0.00398		mg/Kg		07/26/22 11:38	07/30/22 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/26/22 11:38	07/30/22 19:54	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/26/22 11:38	07/30/22 19:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.204		0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1620		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	364		50.0		mg/Kg		07/26/22 10:45	07/27/22 03:17	1
Diesel Range Organics (Over C10-C28)	1260		50.0		mg/Kg		07/26/22 10:45	07/27/22 03:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/26/22 10:45	07/27/22 03:17	1
o-Terphenyl	91		70 - 130				07/26/22 10:45	07/27/22 03:17	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-3 (1-1.5)

Lab Sample ID: 890-2623-14

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		4.99		mg/Kg			07/27/22 08:07	1

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

Lab Sample ID: 890-2623-15

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
Ethylbenzene	0.00265		0.00199		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/26/22 11:38	07/30/22 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				07/26/22 11:38	07/30/22 20:15	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/26/22 11:38	07/30/22 20:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.5		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 03:38	1
Diesel Range Organics (Over C10-C28)	52.5		50.0		mg/Kg		07/26/22 10:45	07/27/22 03:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				07/26/22 10:45	07/27/22 03:38	1
o-Terphenyl	110		70 - 130				07/26/22 10:45	07/27/22 03:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		4.96		mg/Kg			07/27/22 08:15	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-4 (1-1.5)

Lab Sample ID: 890-2623-16

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 20:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 20:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 20:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/26/22 11:38	07/30/22 20:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 20:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/26/22 11:38	07/30/22 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	07/26/22 11:38	07/30/22 20:35	1
1,4-Difluorobenzene (Surr)	102		70 - 130	07/26/22 11:38	07/30/22 20:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	722		50.0		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 04:00	1
Diesel Range Organics (Over C10-C28)	722		50.0		mg/Kg		07/26/22 10:45	07/27/22 04:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/27/22 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	07/26/22 10:45	07/27/22 04:00	1
o-Terphenyl	114		70 - 130	07/26/22 10:45	07/27/22 04:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1720		25.0		mg/Kg			07/27/22 08:23	5

Client Sample ID: S-4 (2-2.5)

Lab Sample ID: 890-2623-17

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2 - 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 20:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 20:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 20:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 20:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/26/22 11:38	07/30/22 20:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/26/22 11:38	07/30/22 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/26/22 11:38	07/30/22 20:55	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-4 (2-2.5)

Lab Sample ID: 890-2623-17

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Sample Depth: 2 - 2.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	07/26/22 11:38	07/30/22 20:55	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			07/31/22 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	517		49.9		mg/Kg			07/27/22 08:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 04:21	1
Diesel Range Organics (Over C10-C28)	517		49.9		mg/Kg		07/26/22 10:45	07/27/22 04:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/26/22 10:45	07/27/22 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/26/22 10:45	07/27/22 04:21	1
o-Terphenyl	114		70 - 130				07/26/22 10:45	07/27/22 04:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1520		24.9		mg/Kg			07/27/22 08:30	5

Surrogate Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-17204-A-99-C MS	Matrix Spike	110	94
880-17204-A-99-D MSD	Matrix Spike Duplicate	107	93
880-17508-A-3-F MS	Matrix Spike	103	98
880-17508-A-3-G MSD	Matrix Spike Duplicate	107	97
880-17525-A-1-C MS	Matrix Spike	104	99
880-17525-A-1-D MSD	Matrix Spike Duplicate	105	98
890-2623-1	SW-1	105	97
890-2623-1 MS	SW-1	108	98
890-2623-1 MSD	SW-1	99	100
890-2623-2	SW-2	54 S1-	105
890-2623-3	SW-3	90	104
890-2623-4	SW-4	40 S1-	95
890-2623-5	SW-5	107	82
890-2623-6	S-1 (0-1)	112	87
890-2623-7	S-1 (1-1.5)	102	85
890-2623-8	S-1 (2-2.5)	98	65 S1-
890-2623-9	S-1 (3-3.5)	151 S1+	95
890-2623-10	S-1 (4-4.5)	393 S1+	92
890-2623-11	S-2 (0-1)	101	99
890-2623-12	S-2 (1-1.5)	107	100
890-2623-13	S-3 (0-1)	107	92
890-2623-14	S-3 (1-1.5)	101	93
890-2623-15	S-4 (0-1)	102	91
890-2623-16	S-4 (1-1.5)	104	102
890-2623-17	S-4 (2-2.5)	105	98
890-2688-A-22-B MS	Matrix Spike	96	93
890-2688-A-22-C MSD	Matrix Spike Duplicate	89	83
LCS 880-30687/1-A	Lab Control Sample	109	101
LCS 880-30703/1-A	Lab Control Sample	101	90
LCS 880-31155/1-A	Lab Control Sample	100	99
LCS 880-31170/1-A	Lab Control Sample	103	100
LCS 880-31290/1-A	Lab Control Sample	98	98
LCSD 880-30687/2-A	Lab Control Sample Dup	57 S1-	94
LCSD 880-30703/2-A	Lab Control Sample Dup	97	94
LCSD 880-31155/2-A	Lab Control Sample Dup	98	96
LCSD 880-31170/2-A	Lab Control Sample Dup	96	94
LCSD 880-31290/2-A	Lab Control Sample Dup	114	101
MB 880-30687/5-A	Method Blank	95	101
MB 880-30703/5-A	Method Blank	93	96
MB 880-31155/5-A	Method Blank	98	89
MB 880-31170/5-A	Method Blank	99	83
MB 880-31290/5-A	Method Blank	104	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: NT Global

Job ID: 890-2623-1

Project/Site: Rail Splitter 15 CTB 6

SDG: 225905

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2623-1	SW-1	78	93
890-2623-1 MS	SW-1	83	88
890-2623-1 MSD	SW-1	85	91
890-2623-2	SW-2	102	104
890-2623-3	SW-3	105	121
890-2623-4	SW-4	87	97
890-2623-5	SW-5	97	104
890-2623-6	S-1 (0-1)	89	98
890-2623-7	S-1 (1-1.5)	90	100
890-2623-8	S-1 (2-2.5)	87	94
890-2623-9	S-1 (3-3.5)	97	97
890-2623-10	S-1 (4-4.5)	96	96
890-2623-11	S-2 (0-1)	90	103
890-2623-12	S-2 (1-1.5)	90	97
890-2623-13	S-3 (0-1)	95	95
890-2623-14	S-3 (1-1.5)	96	91
890-2623-15	S-4 (0-1)	96	110
890-2623-16	S-4 (1-1.5)	102	114
890-2623-17	S-4 (2-2.5)	103	114
LCS 880-30667/2-A	Lab Control Sample	115	116
LCSD 880-30667/3-A	Lab Control Sample Dup	91	102
MB 880-30667/1-A	Method Blank	87	102

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-30687/5-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 13:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 13:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 13:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/26/22 11:38	07/30/22 13:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 11:38	07/30/22 13:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/26/22 11:38	07/30/22 13:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/26/22 11:38	07/30/22 13:28	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/26/22 11:38	07/30/22 13:28	1

Lab Sample ID: LCS 880-30687/1-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09746		mg/Kg		97	70 - 130
Toluene	0.100	0.1112		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.09449		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1906		mg/Kg		95	70 - 130
o-Xylene	0.100	0.1111		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-30687/2-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30687

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08535		mg/Kg		85	70 - 130	13	35
Toluene	0.100	0.1067		mg/Kg		107	70 - 130	4	35
Ethylbenzene	0.100	0.09872		mg/Kg		99	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2048		mg/Kg		102	70 - 130	7	35
o-Xylene	0.100	0.1208		mg/Kg		121	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	57	S1-	70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-2623-1 MS

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30687

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.100	0.07238		mg/Kg		72	70 - 130
Toluene	<0.00199	U F1	0.100	0.06879	F1	mg/Kg		68	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-1 MS

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30687

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.100	0.04505	F1	mg/Kg		43	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.09057	F1	mg/Kg		43	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.05193	F1	mg/Kg		50	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-2623-1 MSD

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30687

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0992	0.06858	F1	mg/Kg		69	70 - 130	5	35
Toluene	<0.00199	U F1	0.0992	0.06605	F1	mg/Kg		66	70 - 130	4	35
Ethylbenzene	<0.00199	U F1	0.0992	0.04301	F1	mg/Kg		42	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U F1	0.198	0.08435	F1	mg/Kg		41	70 - 130	7	35
o-Xylene	<0.00199	U F1	0.0992	0.04861	F1	mg/Kg		47	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-30703/5-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/26/22 13:48	07/31/22 01:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/26/22 13:48	07/31/22 01:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/26/22 13:48	07/31/22 01:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/26/22 13:48	07/31/22 01:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/26/22 13:48	07/31/22 01:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/26/22 13:48	07/31/22 01:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/26/22 13:48	07/31/22 01:06	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/26/22 13:48	07/31/22 01:06	1

Lab Sample ID: LCS 880-30703/1-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07529		mg/Kg		75	70 - 130
Toluene	0.100	0.09547		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.08300		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1680		mg/Kg		84	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: LCS 880-30703/1-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30703

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09893		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-30703/2-A

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30703

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07473		mg/Kg		75	70 - 130	1	35
Toluene	0.100	0.09089		mg/Kg		91	70 - 130	5	35
Ethylbenzene	0.100	0.07880		mg/Kg		79	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1596		mg/Kg		80	70 - 130	5	35
o-Xylene	0.100	0.09473		mg/Kg		95	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-17204-A-99-C MS

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 30703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.05327	F1	mg/Kg		53	70 - 130
Toluene	<0.00201	U F1	0.100	0.06370	F1	mg/Kg		64	70 - 130
Ethylbenzene	<0.00201	U F1	0.100	0.05143	F1	mg/Kg		51	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1050	F1	mg/Kg		52	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.06058	F1	mg/Kg		60	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-17204-A-99-D MSD

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30703

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0996	0.05952	F1	mg/Kg		60	70 - 130	11	35
Toluene	<0.00201	U F1	0.0996	0.06786	F1	mg/Kg		68	70 - 130	6	35
Ethylbenzene	<0.00201	U F1	0.0996	0.05352	F1	mg/Kg		53	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1059	F1	mg/Kg		52	70 - 130	1	35
o-Xylene	<0.00201	U F1	0.0996	0.05896	F1	mg/Kg		59	70 - 130	3	35

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 880-17204-A-99-D MSD

Matrix: Solid

Analysis Batch: 31048

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 30703

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-31155/5-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31155

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/01/22 09:07	08/01/22 11:15	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				08/01/22 09:07	08/01/22 11:15	1	
1,4-Difluorobenzene (Surr)	89		70 - 130				08/01/22 09:07	08/01/22 11:15	1	

Lab Sample ID: LCS 880-31155/1-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31155

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.09936		mg/Kg		99	70 - 130			
Toluene	0.100	0.09630		mg/Kg		96	70 - 130			
Ethylbenzene	0.100	0.09817		mg/Kg		98	70 - 130			
m-Xylene & p-Xylene	0.200	0.1988		mg/Kg		99	70 - 130			
o-Xylene	0.100	0.1075		mg/Kg		107	70 - 130			
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	100		70 - 130							
1,4-Difluorobenzene (Surr)	99		70 - 130							

Lab Sample ID: LCSD 880-31155/2-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31155

			Spike	LCSD	LCSD						RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.09608		mg/Kg		96	70 - 130	3	35
Toluene			0.100	0.09311		mg/Kg		93	70 - 130	3	35
Ethylbenzene			0.100	0.09442		mg/Kg		94	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1886		mg/Kg		94	70 - 130	5	35
o-Xylene			0.100	0.1018		mg/Kg		102	70 - 130	5	35
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		70 - 130								

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: LCSD 880-31155/2-A
Matrix: Solid
Analysis Batch: 31148

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 31155

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

Lab Sample ID: 880-17525-A-1-C MS
Matrix: Solid
Analysis Batch: 31148

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 31155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.09026		mg/Kg		89	70 - 130
Toluene	<0.00201	U	0.101	0.08643		mg/Kg		86	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.08833		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1774		mg/Kg		88	70 - 130
o-Xylene	<0.00201	U	0.101	0.09473		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-17525-A-1-D MSD
Matrix: Solid
Analysis Batch: 31148

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 31155

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09271		mg/Kg		93	70 - 130	3	35
Toluene	<0.00201	U	0.100	0.09050		mg/Kg		90	70 - 130	5	35
Ethylbenzene	<0.00201	U	0.100	0.09124		mg/Kg		91	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1844		mg/Kg		92	70 - 130	4	35
o-Xylene	<0.00201	U	0.100	0.09887		mg/Kg		99	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-31170/5-A
Matrix: Solid
Analysis Batch: 31148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 10:04	08/01/22 22:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 10:04	08/01/22 22:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 10:04	08/01/22 22:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/01/22 10:04	08/01/22 22:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 10:04	08/01/22 22:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/01/22 10:04	08/01/22 22:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	08/01/22 10:04	08/01/22 22:45	1
1,4-Difluorobenzene (Surr)	83		70 - 130	08/01/22 10:04	08/01/22 22:45	1

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: LCS 880-31170/1-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1033		mg/Kg		103	70 - 130
Toluene	0.100	0.09939		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2046		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1127		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-31170/2-A

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31170

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09968		mg/Kg		100	70 - 130	4	35
Toluene	0.100	0.1000		mg/Kg		100	70 - 130	1	35
Ethylbenzene	0.100	0.1019		mg/Kg		102	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2054		mg/Kg		103	70 - 130	0	35
o-Xylene	0.100	0.1112		mg/Kg		111	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-2688-A-22-B MS

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.0998	0.01203	F1	mg/Kg		12	70 - 130
Toluene	<0.00200	U F1	0.0998	0.01160	F1	mg/Kg		11	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.01504	F1	mg/Kg		13	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.03299	F1	mg/Kg		15	70 - 130
o-Xylene	0.00202	F1	0.0998	0.02103	F1	mg/Kg		19	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-2688-A-22-C MSD

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31170

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.01183	F1	mg/Kg		12	70 - 130	2	35
Toluene	<0.00200	U F1	0.100	0.01270	F1	mg/Kg		12	70 - 130	9	35
Ethylbenzene	<0.00200	U F1	0.100	0.01492	F1	mg/Kg		13	70 - 130	1	35

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2688-A-22-C MSD

Matrix: Solid

Analysis Batch: 31148

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31170

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U F1	0.201	0.03131	F1	mg/Kg		14	70 - 130	5	35
o-Xylene	0.00202	F1	0.100	0.01987	F1	mg/Kg		18	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: MB 880-31290/5-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/02/22 09:44	08/02/22 12:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/02/22 09:44	08/02/22 12:12	1
1,4-Difluorobenzene (Surr)	88		70 - 130	08/02/22 09:44	08/02/22 12:12	1

Lab Sample ID: LCS 880-31290/1-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1124		mg/Kg		112	70 - 130
Toluene	0.100	0.1082		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1089		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2174		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1246		mg/Kg		125	70 - 130

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

Lab Sample ID: LCSD 880-31290/2-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1108		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.1082		mg/Kg		108	70 - 130	0	35
Ethylbenzene	0.100	0.1122		mg/Kg		112	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2300		mg/Kg		115	70 - 130	6	35
o-Xylene	0.100	0.1303		mg/Kg		130	70 - 130	4	35

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-17508-A-3-F MS

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.09241		mg/Kg		93	70 - 130
Toluene	<0.00201	U	0.0998	0.08809		mg/Kg		88	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08837		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1783		mg/Kg		89	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09859		mg/Kg		99	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-17508-A-3-G MSD

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.0994	0.08109		mg/Kg		82	70 - 130	13	35
Toluene	<0.00201	U	0.0994	0.08003		mg/Kg		80	70 - 130	10	35
Ethylbenzene	<0.00201	U	0.0994	0.08217		mg/Kg		83	70 - 130	7	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1673		mg/Kg		84	70 - 130	6	35
o-Xylene	<0.00201	U	0.0994	0.09239		mg/Kg		93	70 - 130	6	35

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

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

Lab Sample ID: MB 880-30667/1-A

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 20:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 20:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/26/22 10:45	07/26/22 20:25	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	87		70 - 130	07/26/22 10:45	07/26/22 20:25	1			
o-Terphenyl	102		70 - 130	07/26/22 10:45	07/26/22 20:25	1			

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: LCS 880-30667/2-A

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30667

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	1069		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	921.7		mg/Kg		92	70 - 130		
								</			

Lab Sample ID: LCSD 880-30667/3-A

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 30667

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1061		mg/Kg		106	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	847.4		mg/Kg		85	70 - 130	8	20

Lab Sample ID: 890-2623-1 MS

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30667

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	80.8		1000	1129		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	1420	F1	1000	1866	F1	mg/Kg		45	70 - 130		
			</								

Lab Sample ID: 890-2623-1 MSD

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30667

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	80.8		999	1107		mg/Kg		103	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1420	F1	999	1976	F1	mg/Kg		56	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	85		70 - 130								

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-1 MSD

Matrix: Solid

Analysis Batch: 30645

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 30667

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	91		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-30625/1-A

Matrix: Solid

Analysis Batch: 30693

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			07/27/22 04:59		1

Lab Sample ID: LCS 880-30625/2-A

Matrix: Solid

Analysis Batch: 30693

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			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 880-30625/3-A

Matrix: Solid

Analysis Batch: 30693

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	262.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-2623-1 MS

Matrix: Solid

Analysis Batch: 30693

Client Sample ID: SW-1

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1440		2510	4156		mg/Kg		108	90 - 110	

Lab Sample ID: 890-2623-1 MSD

Matrix: Solid

Analysis Batch: 30693

Client Sample ID: SW-1

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1440		2510	4167		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 890-2623-11 MS

Matrix: Solid

Analysis Batch: 30693

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

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1640		2520	4348		mg/Kg		107	90 - 110	

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2623-11 MSD							Client Sample ID: S-2 (0-1)					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 30693												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	1640		2520	4346		mg/Kg		107	90 - 110	0	20	

QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

GC VOA

Prep Batch: 30687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	5035	
890-2623-2	SW-2	Total/NA	Solid	5035	
890-2623-3	SW-3	Total/NA	Solid	5035	
890-2623-4	SW-4	Total/NA	Solid	5035	
890-2623-5	SW-5	Total/NA	Solid	5035	
890-2623-6	S-1 (0-1)	Total/NA	Solid	5035	
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	5035	
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	5035	
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	5035	
890-2623-11	S-2 (0-1)	Total/NA	Solid	5035	
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	5035	
890-2623-13	S-3 (0-1)	Total/NA	Solid	5035	
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	5035	
890-2623-15	S-4 (0-1)	Total/NA	Solid	5035	
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	5035	
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	5035	
MB 880-30687/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30687/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30687/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2623-1 MS	SW-1	Total/NA	Solid	5035	
890-2623-1 MSD	SW-1	Total/NA	Solid	5035	

Prep Batch: 30703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-30703/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-30703/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-30703/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17204-A-99-C MS	Matrix Spike	Total/NA	Solid	5035	
880-17204-A-99-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	8021B	30687
890-2623-2	SW-2	Total/NA	Solid	8021B	30687
890-2623-3	SW-3	Total/NA	Solid	8021B	30687
890-2623-4	SW-4	Total/NA	Solid	8021B	30687
890-2623-5	SW-5	Total/NA	Solid	8021B	30687
890-2623-6	S-1 (0-1)	Total/NA	Solid	8021B	30687
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	8021B	30687
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	8021B	30687
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	8021B	30687
890-2623-11	S-2 (0-1)	Total/NA	Solid	8021B	30687
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	8021B	30687
890-2623-13	S-3 (0-1)	Total/NA	Solid	8021B	30687
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	8021B	30687
890-2623-15	S-4 (0-1)	Total/NA	Solid	8021B	30687
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	8021B	30687
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	8021B	30687
MB 880-30687/5-A	Method Blank	Total/NA	Solid	8021B	30687
MB 880-30703/5-A	Method Blank	Total/NA	Solid	8021B	30703
LCS 880-30687/1-A	Lab Control Sample	Total/NA	Solid	8021B	30687

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

GC VOA (Continued)

Analysis Batch: 31048 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-30703/1-A	Lab Control Sample	Total/NA	Solid	8021B	30703
LCSD 880-30687/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30687
LCSD 880-30703/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	30703
880-17204-A-99-C MS	Matrix Spike	Total/NA	Solid	8021B	30703
880-17204-A-99-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	30703
890-2623-1 MS	SW-1	Total/NA	Solid	8021B	30687
890-2623-1 MSD	SW-1	Total/NA	Solid	8021B	30687

Analysis Batch: 31126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	Total BTEX	
890-2623-2	SW-2	Total/NA	Solid	Total BTEX	
890-2623-3	SW-3	Total/NA	Solid	Total BTEX	
890-2623-4	SW-4	Total/NA	Solid	Total BTEX	
890-2623-5	SW-5	Total/NA	Solid	Total BTEX	
890-2623-6	S-1 (0-1)	Total/NA	Solid	Total BTEX	
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	Total BTEX	
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	Total BTEX	
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	Total BTEX	
890-2623-11	S-2 (0-1)	Total/NA	Solid	Total BTEX	
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2623-13	S-3 (0-1)	Total/NA	Solid	Total BTEX	
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2623-15	S-4 (0-1)	Total/NA	Solid	Total BTEX	
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	Total BTEX	

Analysis Batch: 31148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	8021B	31155
MB 880-31155/5-A	Method Blank	Total/NA	Solid	8021B	31155
MB 880-31170/5-A	Method Blank	Total/NA	Solid	8021B	31170
LCS 880-31155/1-A	Lab Control Sample	Total/NA	Solid	8021B	31155
LCS 880-31170/1-A	Lab Control Sample	Total/NA	Solid	8021B	31170
LCSD 880-31155/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31155
LCSD 880-31170/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31170
880-17525-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	31155
880-17525-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31155
890-2688-A-22-B MS	Matrix Spike	Total/NA	Solid	8021B	31170
890-2688-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31170

Prep Batch: 31155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	5035	
MB 880-31155/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31155/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31155/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17525-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-17525-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

GC VOA

Prep Batch: 31170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31170/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31170/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31170/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2688-A-22-B MS	Matrix Spike	Total/NA	Solid	5035	
890-2688-A-22-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	8021B	31290
MB 880-31290/5-A	Method Blank	Total/NA	Solid	8021B	31290
LCS 880-31290/1-A	Lab Control Sample	Total/NA	Solid	8021B	31290
LCSD 880-31290/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31290
880-17508-A-3-F MS	Matrix Spike	Total/NA	Solid	8021B	31290
880-17508-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31290

Prep Batch: 31290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	5035	
MB 880-31290/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31290/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31290/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17508-A-3-F MS	Matrix Spike	Total/NA	Solid	5035	
880-17508-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 30645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	8015B NM	30667
890-2623-2	SW-2	Total/NA	Solid	8015B NM	30667
890-2623-3	SW-3	Total/NA	Solid	8015B NM	30667
890-2623-4	SW-4	Total/NA	Solid	8015B NM	30667
890-2623-5	SW-5	Total/NA	Solid	8015B NM	30667
890-2623-6	S-1 (0-1)	Total/NA	Solid	8015B NM	30667
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	8015B NM	30667
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	8015B NM	30667
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	8015B NM	30667
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	8015B NM	30667
890-2623-11	S-2 (0-1)	Total/NA	Solid	8015B NM	30667
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	8015B NM	30667
890-2623-13	S-3 (0-1)	Total/NA	Solid	8015B NM	30667
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	8015B NM	30667
890-2623-15	S-4 (0-1)	Total/NA	Solid	8015B NM	30667
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	8015B NM	30667
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	8015B NM	30667
MB 880-30667/1-A	Method Blank	Total/NA	Solid	8015B NM	30667
LCS 880-30667/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	30667
LCSD 880-30667/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	30667
890-2623-1 MS	SW-1	Total/NA	Solid	8015B NM	30667
890-2623-1 MSD	SW-1	Total/NA	Solid	8015B NM	30667

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

GC Semi VOA

Prep Batch: 30667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	8015NM Prep	
890-2623-2	SW-2	Total/NA	Solid	8015NM Prep	
890-2623-3	SW-3	Total/NA	Solid	8015NM Prep	
890-2623-4	SW-4	Total/NA	Solid	8015NM Prep	
890-2623-5	SW-5	Total/NA	Solid	8015NM Prep	
890-2623-6	S-1 (0-1)	Total/NA	Solid	8015NM Prep	
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	8015NM Prep	
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	8015NM Prep	
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	8015NM Prep	
890-2623-11	S-2 (0-1)	Total/NA	Solid	8015NM Prep	
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2623-13	S-3 (0-1)	Total/NA	Solid	8015NM Prep	
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2623-15	S-4 (0-1)	Total/NA	Solid	8015NM Prep	
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	8015NM Prep	
MB 880-30667/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-30667/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-30667/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2623-1 MS	SW-1	Total/NA	Solid	8015NM Prep	
890-2623-1 MSD	SW-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 30760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Total/NA	Solid	8015 NM	
890-2623-2	SW-2	Total/NA	Solid	8015 NM	
890-2623-3	SW-3	Total/NA	Solid	8015 NM	
890-2623-4	SW-4	Total/NA	Solid	8015 NM	
890-2623-5	SW-5	Total/NA	Solid	8015 NM	
890-2623-6	S-1 (0-1)	Total/NA	Solid	8015 NM	
890-2623-7	S-1 (1-1.5)	Total/NA	Solid	8015 NM	
890-2623-8	S-1 (2-2.5)	Total/NA	Solid	8015 NM	
890-2623-9	S-1 (3-3.5)	Total/NA	Solid	8015 NM	
890-2623-10	S-1 (4-4.5)	Total/NA	Solid	8015 NM	
890-2623-11	S-2 (0-1)	Total/NA	Solid	8015 NM	
890-2623-12	S-2 (1-1.5)	Total/NA	Solid	8015 NM	
890-2623-13	S-3 (0-1)	Total/NA	Solid	8015 NM	
890-2623-14	S-3 (1-1.5)	Total/NA	Solid	8015 NM	
890-2623-15	S-4 (0-1)	Total/NA	Solid	8015 NM	
890-2623-16	S-4 (1-1.5)	Total/NA	Solid	8015 NM	
890-2623-17	S-4 (2-2.5)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 30625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Soluble	Solid	DI Leach	
890-2623-2	SW-2	Soluble	Solid	DI Leach	
890-2623-3	SW-3	Soluble	Solid	DI Leach	
890-2623-4	SW-4	Soluble	Solid	DI Leach	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

HPLC/IC (Continued)

Leach Batch: 30625 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-5	SW-5	Soluble	Solid	DI Leach	
890-2623-6	S-1 (0-1)	Soluble	Solid	DI Leach	
890-2623-7	S-1 (1-1.5)	Soluble	Solid	DI Leach	
890-2623-8	S-1 (2-2.5)	Soluble	Solid	DI Leach	
890-2623-9	S-1 (3-3.5)	Soluble	Solid	DI Leach	
890-2623-10	S-1 (4-4.5)	Soluble	Solid	DI Leach	
890-2623-11	S-2 (0-1)	Soluble	Solid	DI Leach	
890-2623-12	S-2 (1-1.5)	Soluble	Solid	DI Leach	
890-2623-13	S-3 (0-1)	Soluble	Solid	DI Leach	
890-2623-14	S-3 (1-1.5)	Soluble	Solid	DI Leach	
890-2623-15	S-4 (0-1)	Soluble	Solid	DI Leach	
890-2623-16	S-4 (1-1.5)	Soluble	Solid	DI Leach	
890-2623-17	S-4 (2-2.5)	Soluble	Solid	DI Leach	
MB 880-30625/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-30625/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-30625/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2623-1 MS	SW-1	Soluble	Solid	DI Leach	
890-2623-1 MSD	SW-1	Soluble	Solid	DI Leach	
890-2623-11 MS	S-2 (0-1)	Soluble	Solid	DI Leach	
890-2623-11 MSD	S-2 (0-1)	Soluble	Solid	DI Leach	

Analysis Batch: 30693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2623-1	SW-1	Soluble	Solid	300.0	30625
890-2623-2	SW-2	Soluble	Solid	300.0	30625
890-2623-3	SW-3	Soluble	Solid	300.0	30625
890-2623-4	SW-4	Soluble	Solid	300.0	30625
890-2623-5	SW-5	Soluble	Solid	300.0	30625
890-2623-6	S-1 (0-1)	Soluble	Solid	300.0	30625
890-2623-7	S-1 (1-1.5)	Soluble	Solid	300.0	30625
890-2623-8	S-1 (2-2.5)	Soluble	Solid	300.0	30625
890-2623-9	S-1 (3-3.5)	Soluble	Solid	300.0	30625
890-2623-10	S-1 (4-4.5)	Soluble	Solid	300.0	30625
890-2623-11	S-2 (0-1)	Soluble	Solid	300.0	30625
890-2623-12	S-2 (1-1.5)	Soluble	Solid	300.0	30625
890-2623-13	S-3 (0-1)	Soluble	Solid	300.0	30625
890-2623-14	S-3 (1-1.5)	Soluble	Solid	300.0	30625
890-2623-15	S-4 (0-1)	Soluble	Solid	300.0	30625
890-2623-16	S-4 (1-1.5)	Soluble	Solid	300.0	30625
890-2623-17	S-4 (2-2.5)	Soluble	Solid	300.0	30625
MB 880-30625/1-A	Method Blank	Soluble	Solid	300.0	30625
LCS 880-30625/2-A	Lab Control Sample	Soluble	Solid	300.0	30625
LCSD 880-30625/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	30625
890-2623-1 MS	SW-1	Soluble	Solid	300.0	30625
890-2623-1 MSD	SW-1	Soluble	Solid	300.0	30625
890-2623-11 MS	S-2 (0-1)	Soluble	Solid	300.0	30625
890-2623-11 MSD	S-2 (0-1)	Soluble	Solid	300.0	30625

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-1

Lab Sample ID: 890-2623-1

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 13:58	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/26/22 21:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		5			30693	07/27/22 05:22	CH	XEN MID

Client Sample ID: SW-2

Lab Sample ID: 890-2623-2

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 14:18	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/26/22 22:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 05:46	CH	XEN MID

Client Sample ID: SW-3

Lab Sample ID: 890-2623-3

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 14:38	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/26/22 22:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 05:53	CH	XEN MID

Client Sample ID: SW-4

Lab Sample ID: 890-2623-4

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 14:59	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: SW-4

Lab Sample ID: 890-2623-4

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/26/22 23:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 06:01	CH	XEN MID

Client Sample ID: SW-5

Lab Sample ID: 890-2623-5

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 15:19	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/26/22 23:41	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		5			30693	07/27/22 06:09	CH	XEN MID

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

Lab Sample ID: 890-2623-6

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 15:40	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 00:03	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 06:33	CH	XEN MID

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

Lab Sample ID: 890-2623-7

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 16:00	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 00:24	AJ	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Lab Sample ID: 890-2623-7

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 06:41	CH	XEN MID

Client Sample ID: S-1 (2-2.5)

Lab Sample ID: 890-2623-8

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 16:21	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 00:46	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 06:48	CH	XEN MID

Client Sample ID: S-1 (3-3.5)

Lab Sample ID: 890-2623-9

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 16:41	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 01:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 06:56	CH	XEN MID

Client Sample ID: S-1 (4-4.5)

Lab Sample ID: 890-2623-10

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31155	08/01/22 09:07	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31148	08/01/22 17:39	MR	XEN MID
Total/NA	Prep	5035			5.02 g	5 mL	31290	08/02/22 09:44	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	31253	08/02/22 15:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 01:29	AJ	XEN MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-1 (4-4.5)

Lab Sample ID: 890-2623-10

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 07:04	CH	XEN MID

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

Lab Sample ID: 890-2623-11

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 18:53	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 02:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		5			30693	07/27/22 07:12	CH	XEN MID

Client Sample ID: S-2 (1-1.5)

Lab Sample ID: 890-2623-12

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 19:13	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 02:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 07:35	CH	XEN MID

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

Lab Sample ID: 890-2623-13

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 19:34	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 02:55	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 07:43	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-3 (1-1.5)

Lab Sample ID: 890-2623-14

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 19:54	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 03:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 08:07	CH	XEN MID

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

Lab Sample ID: 890-2623-15

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 20:15	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 03:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		1			30693	07/27/22 08:15	CH	XEN MID

Client Sample ID: S-4 (1-1.5)

Lab Sample ID: 890-2623-16

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 20:35	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 04:00	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		5			30693	07/27/22 08:23	CH	XEN MID

Client Sample ID: S-4 (2-2.5)

Lab Sample ID: 890-2623-17

Date Collected: 07/21/22 00:00

Matrix: Solid

Date Received: 07/22/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	30687	07/26/22 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31048	07/30/22 20:55	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			31126	07/31/22 10:51	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Client Sample ID: S-4 (2-2.5)
Date Collected: 07/21/22 00:00
Date Received: 07/22/22 08:52

Lab Sample ID: 890-2623-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			30760	07/27/22 08:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	30667	07/26/22 10:45	DM	XEN MID
Total/NA	Analysis	8015B NM		1			30645	07/27/22 04:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	30625	07/25/22 16:31	KS	XEN MID
Soluble	Analysis	300.0		5			30693	07/27/22 08:30	CH	XEN MID

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-2623-1
SDG: 225905

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2623-1	SW-1	Solid	07/21/22 00:00	07/22/22 08:52	1
890-2623-2	SW-2	Solid	07/21/22 00:00	07/22/22 08:52	2
890-2623-3	SW-3	Solid	07/21/22 00:00	07/22/22 08:52	3
890-2623-4	SW-4	Solid	07/21/22 00:00	07/22/22 08:52	4
890-2623-5	SW-5	Solid	07/21/22 00:00	07/22/22 08:52	5
890-2623-6	S-1 (0-1)	Solid	07/21/22 00:00	07/22/22 08:52	0 - 1
890-2623-7	S-1 (1-1.5)	Solid	07/21/22 00:00	07/22/22 08:52	1 - 1.2
890-2623-8	S-1 (2-2.5)	Solid	07/21/22 00:00	07/22/22 08:52	2 - 2.5
890-2623-9	S-1 (3-3.5)	Solid	07/21/22 00:00	07/22/22 08:52	3 - 3.5
890-2623-10	S-1 (4-4.5)	Solid	07/21/22 00:00	07/22/22 08:52	4 - 4.5
890-2623-11	S-2 (0-1)	Solid	07/21/22 00:00	07/22/22 08:52	0 - 1
890-2623-12	S-2 (1-1.5)	Solid	07/21/22 00:00	07/22/22 08:52	1 - 1.5
890-2623-13	S-3 (0-1)	Solid	07/21/22 00:00	07/22/22 08:52	0 - 1
890-2623-14	S-3 (1-1.5)	Solid	07/21/22 00:00	07/22/22 08:52	1 - 1.5
890-2623-15	S-4 (0-1)	Solid	07/21/22 00:00	07/22/22 08:52	0 - 1
890-2623-16	S-4 (1-1.5)	Solid	07/21/22 00:00	07/22/22 08:52	1 - 1.5
890-2623-17	S-4 (2-2.5)	Solid	07/21/22 00:00	07/22/22 08:52	2 - 2.5

Chain of Custody



Work Order No: _____

Page 1 of 2

Project Manager: Ethan Sessums		Bill to: (if different)		Wesley Mathews	
Company Name: NTG Environmental		Company Name:		Devon Energy	
Address: 402 E Wood Ave		Address:		6488 Seven Rivers Highway	
City, State ZIP: Carlsbad, NM 88220		City, State ZIP:		Artesia, NM 88210	
Phone: 254-266-5456		Email: Wesley.Mathews@dvn.com			

Project Name: Rail Splitter 15 CTB 6		Turn Around		Pres. Code	
Project Number: 225905		☒ Routine ☐ Rush			
Project Location: Jordan Tyner		Due Date:			
Sampler's Name: 20956856		TAT starts the day received by the lab, if received by 4:30pm			

SAMPLE RECEIPT		Temp Blank: Yes No		Wet Ice: Yes No	
Received Intact: Yes No		Thermometer ID: 1-NW-03			
Cooler Custody Seals: Yes No N/A		Correction Factor: -0.2			
Sample Custody Seals: Yes No N/A		Temperature Reading: 4.2			
Total Containers: 17		Corrected Temperature: 4.0			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	TPH 8015M (GRO + DRO + MRO)	BTEX 8021B	Chloride 4500	ANALYSIS REQUEST	Preservative Codes	Sample Comments
SW-1	7/21/2022		X		Comp	1		X	X	X		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
SW-2	7/21/2022		X		Comp	1		X	X	X			
SW-3	7/21/2022		X		Comp	1		X	X	X			
SW-4	7/21/2022		X		Comp	1		X	X	X			
SW-5	7/21/2022		X		Comp	1		X	X	X			
S-1 (0-1)	7/21/2022		X		Comp	1		X	X	X			
S-1 (1-1.5)	7/21/2022		X		Comp	1		X	X	X			
S-1 (2-2.5)	7/21/2022		X		Comp	1		X	X	X			
S-1 (3-3.5)	7/21/2022		X		Comp	1		X	X	X			
S-1 (4-4.5)	7/21/2022		X		Comp	1		X	X	X			

Additional Comments:

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1. [Signature]	[Signature]	7-22-22 0852			
3. [Signature]					
5. [Signature]					

Revised Date 05/1/2020 Rev. 2020.1

Chain of Custody

Work Order No: _____

Page 2 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

ANALYSIS REQUEST										Preservative Codes																																																																																																																																																																																													
Project Name:	Project Number:	Project Location	Sampler's Name:	PO #	Turn Around	Pres. Code	Parameters	# of Cont	Grab/Comp	Water	Soil	Time	Date	Sample Identification	Sample Comments																																																																																																																																																																																								
Rail Splitter 15 CTB 6	225905	Jordan Tyner	20956856		☒ Routine ☐ Rush																																																																																																																																																																																																		
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					Total Containers:	17																																																																																																																																																																																																	
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7-20-22 0852			

Revised Date 05/01/2020 Rev. 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2623-1

SDG Number: 225905

Login Number: 2623

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2623-1

SDG Number: 225905

Login Number: 2623

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 07/25/22 09:19 AM

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



Environment Testing

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3276-1

Laboratory Sample Delivery Group: 225905

Client Project/Site: Rail Splitter 15 CTB 6

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Ethan Sessums

A handwritten signature in black ink, appearing to read "Jessica Kramer".

Authorized for release by:

10/27/2022 8:20:20 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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results through



Have a Question?



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www.eurofinsus.com/Env

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

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

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Laboratory Job ID: 890-3276-1
SDG: 225905

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Definitions/Glossary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high 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.

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Job ID: 890-3276-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3276-1

Receipt

The samples were received on 10/25/2022 8:46 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (5) (890-3276-1), CS-2 (5) (890-3276-2), CS-3 (5) (890-3276-3), CS-4 (2) (890-3276-4), CS-5 (2) (890-3276-5), CS-6 (2) (890-3276-6), CS-7 (2) (890-3276-7), CS-8 (2) (890-3276-8), CS-9 (3) (890-3276-9), CS-10 (3) (890-3276-10), CS-11 (3) (890-3276-11), CS-12 (3) (890-3276-12), SW-1 (890-3276-13), SW-2 (890-3276-14), SW-3 (890-3276-15), SW-4 (890-3276-16), SW-5 (890-3276-17), SW-6 (890-3276-18), SW-7 (890-3276-19), SW-8 (890-3276-20), SW-9 (890-3276-21), SW-10 (890-3276-22) and SW-11 (890-3276-23).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-37872/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-9 (890-3276-21). 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.

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-37877 and analytical batch 880-37857 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-37877/3-A) and (MB 880-37877/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-37879 and analytical batch 880-37914 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-1 (5)

Lab Sample ID: 890-3276-1

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/26/22 22:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/26/22 22:43	1
Ethylbenzene	0.00346		0.00198		mg/Kg		10/26/22 12:32	10/26/22 22:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/26/22 12:32	10/26/22 22:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/26/22 22:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/26/22 12:32	10/26/22 22:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/26/22 12:32	10/26/22 22:43	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/26/22 12:32	10/26/22 22:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	100		49.8		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/26/22 21:53	1
Diesel Range Organics (Over C10-C28)	100		49.8		mg/Kg		10/26/22 11:18	10/26/22 21:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/26/22 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	10/26/22 11:18	10/26/22 21:53	1
o-Terphenyl	106		70 - 130	10/26/22 11:18	10/26/22 21:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.9		5.04		mg/Kg			10/27/22 07:13	1

Client Sample ID: CS-2 (5)

Lab Sample ID: 890-3276-2

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/26/22 23:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/26/22 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/26/22 12:32	10/26/22 23:03	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/26/22 12:32	10/26/22 23:03	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-2 (5)

Lab Sample ID: 890-3276-2

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	613		49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/26/22 22:56	1
Diesel Range Organics (Over C10-C28)	613		49.9		mg/Kg		10/26/22 11:18	10/26/22 22:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/26/22 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				10/26/22 11:18	10/26/22 22:56	1
o-Terphenyl	108		70 - 130				10/26/22 11:18	10/26/22 22:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.5		5.00		mg/Kg			10/27/22 07:27	1

Client Sample ID: CS-3 (5)

Lab Sample ID: 890-3276-3

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/26/22 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/26/22 12:32	10/26/22 23:24	1
1,4-Difluorobenzene (Surr)	81		70 - 130				10/26/22 12:32	10/26/22 23:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	104		49.8		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/26/22 23:18	1
Diesel Range Organics (Over C10-C28)	104		49.8		mg/Kg		10/26/22 11:18	10/26/22 23:18	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-3 (5)

Lab Sample ID: 890-3276-3

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/26/22 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/26/22 11:18	10/26/22 23:18	1
o-Terphenyl	105		70 - 130				10/26/22 11:18	10/26/22 23:18	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.9		5.00		mg/Kg			10/27/22 07:33	1

Client Sample ID: CS-4 (2)

Lab Sample ID: 890-3276-4

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/26/22 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				10/26/22 12:32	10/26/22 23:44	1
1,4-Difluorobenzene (Surr)	93		70 - 130				10/26/22 12:32	10/26/22 23:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/26/22 23:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/26/22 23:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/26/22 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/26/22 11:18	10/26/22 23:39	1
o-Terphenyl	104		70 - 130				10/26/22 11:18	10/26/22 23:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.0		4.97		mg/Kg			10/27/22 07:37	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-5 (2)

Lab Sample ID: 890-3276-5

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 00:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 00:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 00:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 00:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 00:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	10/26/22 12:32	10/27/22 00:04	1
1,4-Difluorobenzene (Surr)	82		70 - 130	10/26/22 12:32	10/27/22 00:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	10/26/22 11:18	10/27/22 00:00	1
o-Terphenyl	100		70 - 130	10/26/22 11:18	10/27/22 00:00	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.0		5.04		mg/Kg			10/27/22 07:42	1

Client Sample ID: CS-6 (2)

Lab Sample ID: 890-3276-6

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 00:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 00:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 00:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 00:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 00:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/26/22 12:32	10/27/22 00:25	1
1,4-Difluorobenzene (Surr)	86		70 - 130	10/26/22 12:32	10/27/22 00:25	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-6 (2)

Lab Sample ID: 890-3276-6

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/26/22 11:18	10/27/22 00:21	1
o-Terphenyl	98		70 - 130				10/26/22 11:18	10/27/22 00:21	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		5.02		mg/Kg			10/27/22 07:57	1

Client Sample ID: CS-7 (2)

Lab Sample ID: 890-3276-7

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/26/22 12:32	10/27/22 00:45	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/26/22 12:32	10/27/22 00:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 00:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 00:42	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-7 (2)

Lab Sample ID: 890-3276-7

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 00:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/26/22 11:18	10/27/22 00:42	1
o-Terphenyl	99		70 - 130				10/26/22 11:18	10/27/22 00:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.0		4.98		mg/Kg			10/27/22 08:02	1

Client Sample ID: CS-8 (2)

Lab Sample ID: 890-3276-8

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/26/22 12:32	10/27/22 01:06	1
1,4-Difluorobenzene (Surr)	86		70 - 130				10/26/22 12:32	10/27/22 01:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 01:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 01:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 01:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				10/26/22 11:18	10/27/22 01:03	1
o-Terphenyl	114		70 - 130				10/26/22 11:18	10/27/22 01:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	268		4.96		mg/Kg			10/27/22 08:06	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-9 (3)

Lab Sample ID: 890-3276-9

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 01:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 01:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 01:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 01:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 01:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/26/22 12:32	10/27/22 01:26	1
1,4-Difluorobenzene (Surr)	107		70 - 130	10/26/22 12:32	10/27/22 01:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/27/22 01:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/27/22 01:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/26/22 11:18	10/27/22 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	10/26/22 11:18	10/27/22 01:25	1
o-Terphenyl	95		70 - 130	10/26/22 11:18	10/27/22 01:25	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6		4.97		mg/Kg			10/27/22 08:11	1

Client Sample ID: CS-10 (3)

Lab Sample ID: 890-3276-10

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 02:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 02:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 02:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/27/22 02:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 02:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/27/22 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/26/22 12:32	10/27/22 02:48	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/26/22 12:32	10/27/22 02:48	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-10 (3)

Lab Sample ID: 890-3276-10

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 01:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 01:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 01:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				10/26/22 11:18	10/27/22 01:46	1
o-Terphenyl	95		70 - 130				10/26/22 11:18	10/27/22 01:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.6		4.98		mg/Kg			10/27/22 08:16	1

Client Sample ID: CS-11 (3)

Lab Sample ID: 890-3276-11

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				10/26/22 12:32	10/27/22 03:08	1
1,4-Difluorobenzene (Surr)	90		70 - 130				10/26/22 12:32	10/27/22 03:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:29	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-11 (3)

Lab Sample ID: 890-3276-11

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				10/26/22 11:18	10/27/22 02:29	1
o-Terphenyl	112		70 - 130				10/26/22 11:18	10/27/22 02:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.9	F1	5.01		mg/Kg			10/27/22 08:21	1

Client Sample ID: CS-12 (3)

Lab Sample ID: 890-3276-12

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/26/22 12:32	10/27/22 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				10/26/22 12:32	10/27/22 03:28	1
1,4-Difluorobenzene (Surr)	71		70 - 130				10/26/22 12:32	10/27/22 03:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 02:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/26/22 11:18	10/27/22 02:50	1
o-Terphenyl	98		70 - 130				10/26/22 11:18	10/27/22 02:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.0		5.02		mg/Kg			10/27/22 08:36	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-1

Lab Sample ID: 890-3276-13

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 03:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 03:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/26/22 12:32	10/27/22 03:49	1
1,4-Difluorobenzene (Surr)	84		70 - 130	10/26/22 12:32	10/27/22 03:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	10/26/22 11:18	10/27/22 03:11	1
o-Terphenyl	104		70 - 130	10/26/22 11:18	10/27/22 03:11	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.1		5.03		mg/Kg			10/27/22 08:40	1

Client Sample ID: SW-2

Lab Sample ID: 890-3276-14

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 04:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 04:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 04:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 04:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/27/22 04:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/26/22 12:32	10/27/22 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	10/26/22 12:32	10/27/22 04:09	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/26/22 12:32	10/27/22 04:09	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-2

Lab Sample ID: 890-3276-14

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	168		50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 03:32	1
Diesel Range Organics (Over C10-C28)	168		50.0		mg/Kg		10/26/22 11:18	10/27/22 03:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 03:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				10/26/22 11:18	10/27/22 03:32	1
o-Terphenyl	110		70 - 130				10/26/22 11:18	10/27/22 03:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		4.98		mg/Kg			10/27/22 08:55	1

Client Sample ID: SW-3

Lab Sample ID: 890-3276-15

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				10/26/22 12:32	10/27/22 04:30	1
1,4-Difluorobenzene (Surr)	74		70 - 130				10/26/22 12:32	10/27/22 04:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:54	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-3

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/26/22 11:18	10/27/22 03:54	1
o-Terphenyl	93		70 - 130				10/26/22 11:18	10/27/22 03:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.9		4.95		mg/Kg			10/27/22 09:00	1

Client Sample ID: SW-4

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-16

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/26/22 12:32	10/27/22 04:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/26/22 12:32	10/27/22 04:50	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/26/22 12:32	10/27/22 04:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	94.3		50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 04:15	1
Diesel Range Organics (Over C10-C28)	94.3		50.0		mg/Kg		10/26/22 11:18	10/27/22 04:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 04:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/26/22 11:18	10/27/22 04:15	1
o-Terphenyl	97		70 - 130				10/26/22 11:18	10/27/22 04:15	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.3		4.96		mg/Kg			10/27/22 09:05	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-5

Lab Sample ID: 890-3276-17

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 05:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 05:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 05:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 05:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/26/22 12:32	10/27/22 05:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/26/22 12:32	10/27/22 05:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	10/26/22 12:32	10/27/22 05:11	1
1,4-Difluorobenzene (Surr)	86		70 - 130	10/26/22 12:32	10/27/22 05:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	228		49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 04:36	1
Diesel Range Organics (Over C10-C28)	228		49.9		mg/Kg		10/26/22 11:18	10/27/22 04:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 04:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	10/26/22 11:18	10/27/22 04:36	1
o-Terphenyl	100		70 - 130	10/26/22 11:18	10/27/22 04:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.5		5.03		mg/Kg			10/27/22 09:09	1

Client Sample ID: SW-6

Lab Sample ID: 890-3276-18

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/26/22 12:32	10/27/22 05:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/26/22 12:32	10/27/22 05:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/26/22 12:32	10/27/22 05:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/26/22 12:32	10/27/22 05:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/26/22 12:32	10/27/22 05:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/26/22 12:32	10/27/22 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	10/26/22 12:32	10/27/22 05:31	1
1,4-Difluorobenzene (Surr)	70		70 - 130	10/26/22 12:32	10/27/22 05:31	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-6

Lab Sample ID: 890-3276-18

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 04:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 04:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/26/22 11:18	10/27/22 04:57	1
o-Terphenyl	97		70 - 130				10/26/22 11:18	10/27/22 04:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.7		4.97		mg/Kg			10/27/22 09:14	1

Client Sample ID: SW-7

Lab Sample ID: 890-3276-19

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 12:32	10/27/22 05:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				10/26/22 12:32	10/27/22 05:51	1
1,4-Difluorobenzene (Surr)	85		70 - 130				10/26/22 12:32	10/27/22 05:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	72.3		50.0		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 05:19	1
Diesel Range Organics (Over C10-C28)	72.3		50.0		mg/Kg		10/26/22 11:18	10/27/22 05:19	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-7

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-19

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/27/22 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				10/26/22 11:18	10/27/22 05:19	1
o-Terphenyl	91		70 - 130				10/26/22 11:18	10/27/22 05:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.4		5.02		mg/Kg			10/27/22 09:19	1

Client Sample ID: SW-8

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-20

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/26/22 10:34	10/26/22 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/26/22 10:34	10/26/22 18:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/26/22 10:34	10/26/22 18:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/27/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 05:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 05:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:18	10/27/22 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/26/22 11:18	10/27/22 05:40	1
o-Terphenyl	96		70 - 130				10/26/22 11:18	10/27/22 05:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.8		5.05		mg/Kg			10/27/22 09:24	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-9

Lab Sample ID: 890-3276-21

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00748		0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:46	1
Toluene	0.00688		0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:46	1
Ethylbenzene	0.0356		0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:46	1
m-Xylene & p-Xylene	0.0593		0.00399		mg/Kg		10/26/22 10:34	10/26/22 18:46	1
o-Xylene	0.0190		0.00200		mg/Kg		10/26/22 10:34	10/26/22 18:46	1
Xylenes, Total	0.0783		0.00399		mg/Kg		10/26/22 10:34	10/26/22 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	10/26/22 10:34	10/26/22 18:46	1
1,4-Difluorobenzene (Surr)	103		70 - 130	10/26/22 10:34	10/26/22 18:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.128		0.00399		mg/Kg			10/27/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/27/22 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U ** *1	49.8		mg/Kg		10/26/22 11:21	10/26/22 21:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/26/22 11:21	10/26/22 21:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/26/22 11:21	10/26/22 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				10/26/22 11:21	10/26/22 21:53	1
o-Terphenyl	110		70 - 130				10/26/22 11:21	10/26/22 21:53	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.9		4.96		mg/Kg			10/26/22 15:47	1

Client Sample ID: SW-10

Lab Sample ID: 890-3276-22

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/26/22 10:34	10/26/22 19:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/26/22 10:34	10/26/22 19:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/26/22 10:34	10/26/22 19:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/26/22 10:34	10/26/22 19:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/26/22 10:34	10/26/22 19:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/26/22 10:34	10/26/22 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/26/22 10:34	10/26/22 19:06	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/26/22 10:34	10/26/22 19:06	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-10

Lab Sample ID: 890-3276-22

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/27/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/27/22 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U ** *1	49.9		mg/Kg		10/26/22 11:21	10/26/22 22:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/26/22 11:21	10/26/22 22:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/26/22 11:21	10/26/22 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/26/22 11:21	10/26/22 22:56	1
o-Terphenyl	113		70 - 130				10/26/22 11:21	10/26/22 22:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.0		4.99		mg/Kg			10/26/22 15:55	1

Client Sample ID: SW-11

Lab Sample ID: 890-3276-23

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/26/22 10:34	10/26/22 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				10/26/22 10:34	10/26/22 19:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/26/22 10:34	10/26/22 19:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/27/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/27/22 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U ** *1	49.8		mg/Kg		10/26/22 11:21	10/26/22 23:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/26/22 11:21	10/26/22 23:18	1

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Client Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-11 Lab Sample ID: 890-3276-23
Date Collected: 10/24/22 00:00 Matrix: Solid
Date Received: 10/25/22 08:46

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/26/22 11:21	10/26/22 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/26/22 11:21	10/26/22 23:18	1
o-Terphenyl	123		70 - 130				10/26/22 11:21	10/26/22 23:18	1
Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.4		5.02		mg/Kg			10/26/22 16:15	1

Surrogate Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-20752-A-6-C MS	Matrix Spike	102	108
880-20752-A-6-D MSD	Matrix Spike Duplicate	99	112
890-3275-A-1-I MSD	Matrix Spike Duplicate	95	94
890-3275-A-1-K MS	Matrix Spike	95	100
890-3276-1	CS-1 (5)	104	104
890-3276-2	CS-2 (5)	101	97
890-3276-3	CS-3 (5)	89	81
890-3276-4	CS-4 (2)	96	93
890-3276-5	CS-5 (2)	108	82
890-3276-6	CS-6 (2)	111	86
890-3276-7	CS-7 (2)	101	97
890-3276-8	CS-8 (2)	101	86
890-3276-9	CS-9 (3)	95	107
890-3276-10	CS-10 (3)	95	94
890-3276-11	CS-11 (3)	87	90
890-3276-12	CS-12 (3)	87	71
890-3276-13	SW-1	101	84
890-3276-14	SW-2	91	105
890-3276-15	SW-3	76	74
890-3276-16	SW-4	102	95
890-3276-17	SW-5	81	86
890-3276-18	SW-6	78	70
890-3276-19	SW-7	84	85
890-3276-20	SW-8	102	99
890-3276-21	SW-9	146 S1+	103
890-3276-22	SW-10	107	96
890-3276-23	SW-11	104	100
LCS 880-37872/1-A	Lab Control Sample	138 S1+	115
LCS 880-37902/1-A	Lab Control Sample	94	110
LCSD 880-37872/2-A	Lab Control Sample Dup	88	98
LCSD 880-37902/2-A	Lab Control Sample Dup	98	111
MB 880-37703/5-A	Method Blank	84	88
MB 880-37872/5-A	Method Blank	111	104
MB 880-37902/5-A	Method Blank	85	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-3276-1	CS-1 (5)	106	106
890-3276-1 MS	CS-1 (5)	109	90
890-3276-1 MSD	CS-1 (5)	110	88
890-3276-2	CS-2 (5)	110	108
890-3276-3	CS-3 (5)	109	105

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Surrogate Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3276-4	CS-4 (2)	108	104
890-3276-5	CS-5 (2)	103	100
890-3276-6	CS-6 (2)	98	98
890-3276-7	CS-7 (2)	103	99
890-3276-8	CS-8 (2)	116	114
890-3276-9	CS-9 (3)	101	95
890-3276-10	CS-10 (3)	101	95
890-3276-11	CS-11 (3)	116	112
890-3276-12	CS-12 (3)	108	98
890-3276-13	SW-1	111	104
890-3276-14	SW-2	115	110
890-3276-15	SW-3	103	93
890-3276-16	SW-4	104	97
890-3276-17	SW-5	107	100
890-3276-18	SW-6	109	97
890-3276-19	SW-7	102	91
890-3276-20	SW-8	107	96
890-3276-21	SW-9	98	110
890-3276-21 MS	SW-9	82	84
890-3276-21 MSD	SW-9	98	97
890-3276-22	SW-10	106	113
890-3276-23	SW-11	112	123
LCS 880-37876/2-A	Lab Control Sample	118	115
LCS 880-37877/2-A	Lab Control Sample	97	118
LCSD 880-37876/3-A	Lab Control Sample Dup	108	109
LCSD 880-37877/3-A	Lab Control Sample Dup	117	137 S1+
MB 880-37876/1-A	Method Blank	124	122
MB 880-37877/1-A	Method Blank	121	146 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-37703/5-A

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/22 17:00	10/26/22 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/22 17:00	10/26/22 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/22 17:00	10/26/22 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/25/22 17:00	10/26/22 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/22 17:00	10/26/22 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/25/22 17:00	10/26/22 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	10/25/22 17:00	10/26/22 11:26	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/25/22 17:00	10/26/22 11:26	1

Lab Sample ID: MB 880-37872/5-A

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37872

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 08:00	10/26/22 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 08:00	10/26/22 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 08:00	10/26/22 11:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/26/22 08:00	10/26/22 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 08:00	10/26/22 11:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/26/22 08:00	10/26/22 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	10/26/22 08:00	10/26/22 11:45	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/26/22 08:00	10/26/22 11:45	1

Lab Sample ID: LCS 880-37872/1-A

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1010		mg/Kg		101	70 - 130
Toluene	0.100	0.1058		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.09017		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1792		mg/Kg		90	70 - 130
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-37872/2-A

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37872

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1018		mg/Kg		102	70 - 130	1	35

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: LCSD 880-37872/2-A

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37872

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1069		mg/Kg		107	70 - 130	1	35
Ethylbenzene	0.100	0.09693		mg/Kg		97	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1973		mg/Kg		99	70 - 130	10	35
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-3275-A-1-I MSD

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 37872

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00269		0.0990	0.09489		mg/Kg		93	70 - 130	5	35
Toluene	0.00820		0.0990	0.09955		mg/Kg		92	70 - 130	3	35
Ethylbenzene	0.00284		0.0990	0.09259		mg/Kg		91	70 - 130	4	35
m-Xylene & p-Xylene	0.00754		0.198	0.1897		mg/Kg		92	70 - 130	4	35
o-Xylene	0.00459		0.0990	0.1018		mg/Kg		98	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-3275-A-1-K MS

Matrix: Solid

Analysis Batch: 37852

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 37872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00269		0.0998	0.09014		mg/Kg		88	70 - 130
Toluene	0.00820		0.0998	0.09699		mg/Kg		89	70 - 130
Ethylbenzene	0.00284		0.0998	0.08880		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.00754		0.200	0.1824		mg/Kg		88	70 - 130
o-Xylene	0.00459		0.0998	0.09723		mg/Kg		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-37902/5-A

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 22:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 22:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 22:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/26/22 12:32	10/26/22 22:01	1

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: MB 880-37902/5-A

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37902

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/22 12:32	10/26/22 22:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/26/22 12:32	10/26/22 22:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	10/26/22 12:32	10/26/22 22:01	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/26/22 12:32	10/26/22 22:01	1

Lab Sample ID: LCS 880-37902/1-A

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1192		mg/Kg		119	70 - 130
Toluene	0.100	0.1027		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.09536		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1970		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-37902/2-A

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37902

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1153		mg/Kg		115	70 - 130	3	35
Toluene	0.100	0.09984		mg/Kg		100	70 - 130	3	35
Ethylbenzene	0.100	0.09462		mg/Kg		95	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1964		mg/Kg		98	70 - 130	0	35
o-Xylene	0.100	0.09900		mg/Kg		99	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-20752-A-6-C MS

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 37902

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.08955		mg/Kg		90	70 - 130
Toluene	<0.00200	U	0.0998	0.07920		mg/Kg		79	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.07912		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1648		mg/Kg		82	70 - 130
o-Xylene	<0.00200	U	0.0998	0.08467		mg/Kg		84	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: 880-20752-A-6-C MS

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 37902

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-20752-A-6-D MSD

Matrix: Solid

Analysis Batch: 37851

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 37902

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.1015		mg/Kg		102	70 - 130	13	35
Toluene	<0.00200	U	0.0996	0.08417		mg/Kg		84	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.0996	0.08164		mg/Kg		82	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1683		mg/Kg		84	70 - 130	2	35
o-Xylene	<0.00200	U	0.0996	0.08557		mg/Kg		85	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

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

Lab Sample ID: MB 880-37876/1-A

Matrix: Solid

Analysis Batch: 37855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/26/22 20:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/26/22 20:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:18	10/26/22 20:49	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	124		70 - 130	10/26/22 11:18	10/26/22 20:49	1			
o-Terphenyl	122		70 - 130	10/26/22 11:18	10/26/22 20:49	1			

Lab Sample ID: LCS 880-37876/2-A

Matrix: Solid

Analysis Batch: 37855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	896.4		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1152		mg/Kg		115	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	115		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: LCSD 880-37876/3-A

Matrix: Solid

Analysis Batch: 37855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37876

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	993.4		mg/Kg		99	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1119		mg/Kg		112	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	108		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 890-3276-1 MS

Matrix: Solid

Analysis Batch: 37855

Client Sample ID: CS-1 (5)

Prep Type: Total/NA

Prep Batch: 37876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	854.2		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	100		998	1073		mg/Kg		97	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	109		70 - 130								
o-Terphenyl	90		70 - 130								

Lab Sample ID: 890-3276-1 MSD

Matrix: Solid

Analysis Batch: 37855

Client Sample ID: CS-1 (5)

Prep Type: Total/NA

Prep Batch: 37876

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	850.1		mg/Kg		83	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	100		998	1062		mg/Kg		96	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	110		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: MB 880-37877/1-A

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/26/22 11:21	10/26/22 20:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/26/22 11:21	10/26/22 20:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/26/22 11:21	10/26/22 20:49	1

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: MB 880-37877/1-A

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37877

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
%Recovery	Qualifier					
1-Chlorooctane	121		70 - 130	10/26/22 11:21	10/26/22 20:49	1
o-Terphenyl	146	S1+	70 - 130	10/26/22 11:21	10/26/22 20:49	1

Lab Sample ID: LCS 880-37877/2-A

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1077		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130

Surrogate	LCS	LCS	Limits
%Recovery	Qualifier		
1-Chlorooctane	97		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-37877/3-A

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37877

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1328	*+ *1	mg/Kg		133	70 - 130	21	20
Diesel Range Organics (Over C10-C28)	1000	1159		mg/Kg		116	70 - 130	14	20

Surrogate	LCSD	LCSD	Limits
%Recovery	Qualifier		
1-Chlorooctane	117		70 - 130
o-Terphenyl	137	S1+	70 - 130

Lab Sample ID: 890-3276-21 MS

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: SW-9

Prep Type: Total/NA

Prep Batch: 37877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	998	1122		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	998	938.0		mg/Kg		94	70 - 130

Surrogate	MS	MS	Limits
%Recovery	Qualifier		
1-Chlorooctane	82		70 - 130
o-Terphenyl	84		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Lab Sample ID: 890-3276-21 MSD

Matrix: Solid

Analysis Batch: 37857

Client Sample ID: SW-9

Prep Type: Total/NA

Prep Batch: 37877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	998	937.6		mg/Kg		91	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1117		mg/Kg		112	70 - 130	17	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	97		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-37904/1-A

Matrix: Solid

Analysis Batch: 37912

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/26/22 14:46	1

Lab Sample ID: LCS 880-37904/2-A

Matrix: Solid

Analysis Batch: 37912

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.1		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-37904/3-A

Matrix: Solid

Analysis Batch: 37912

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.3		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-20628-A-1-E MS

Matrix: Solid

Analysis Batch: 37912

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	154		248	404.2		mg/Kg		101	90 - 110

Lab Sample ID: 880-20628-A-1-F MSD

Matrix: Solid

Analysis Batch: 37912

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	154		248	405.4		mg/Kg		101	90 - 110	0	20

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QC Sample Results

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-37879/1-A

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/27/22 06:58	1

Lab Sample ID: LCS 880-37879/2-A

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	266.3		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-37879/3-A

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	272.2		mg/Kg		109	90 - 110	2	20

Lab Sample ID: 890-3276-1 MS

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: CS-1 (5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	33.9		252	296.9		mg/Kg		104	90 - 110

Lab Sample ID: 890-3276-1 MSD

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: CS-1 (5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	33.9		252	308.6		mg/Kg		109	90 - 110	4	20

Lab Sample ID: 890-3276-11 MS

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: CS-11 (3)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	29.9	F1	251	297.0		mg/Kg		107	90 - 110

Lab Sample ID: 890-3276-11 MSD

Matrix: Solid

Analysis Batch: 37914

Client Sample ID: CS-11 (3)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	29.9	F1	251	318.5	F1	mg/Kg		115	90 - 110	7	20

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

GC VOA

Prep Batch: 37703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-37703/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 37851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	8021B	37902
890-3276-2	CS-2 (5)	Total/NA	Solid	8021B	37902
890-3276-3	CS-3 (5)	Total/NA	Solid	8021B	37902
890-3276-4	CS-4 (2)	Total/NA	Solid	8021B	37902
890-3276-5	CS-5 (2)	Total/NA	Solid	8021B	37902
890-3276-6	CS-6 (2)	Total/NA	Solid	8021B	37902
890-3276-7	CS-7 (2)	Total/NA	Solid	8021B	37902
890-3276-8	CS-8 (2)	Total/NA	Solid	8021B	37902
890-3276-9	CS-9 (3)	Total/NA	Solid	8021B	37902
890-3276-10	CS-10 (3)	Total/NA	Solid	8021B	37902
890-3276-11	CS-11 (3)	Total/NA	Solid	8021B	37902
890-3276-12	CS-12 (3)	Total/NA	Solid	8021B	37902
890-3276-13	SW-1	Total/NA	Solid	8021B	37902
890-3276-14	SW-2	Total/NA	Solid	8021B	37902
890-3276-15	SW-3	Total/NA	Solid	8021B	37902
890-3276-16	SW-4	Total/NA	Solid	8021B	37902
890-3276-17	SW-5	Total/NA	Solid	8021B	37902
890-3276-18	SW-6	Total/NA	Solid	8021B	37902
890-3276-19	SW-7	Total/NA	Solid	8021B	37902
MB 880-37703/5-A	Method Blank	Total/NA	Solid	8021B	37703
MB 880-37902/5-A	Method Blank	Total/NA	Solid	8021B	37902
LCS 880-37902/1-A	Lab Control Sample	Total/NA	Solid	8021B	37902
LCSD 880-37902/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37902
880-20752-A-6-C MS	Matrix Spike	Total/NA	Solid	8021B	37902
880-20752-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	37902

Analysis Batch: 37852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-20	SW-8	Total/NA	Solid	8021B	37872
890-3276-21	SW-9	Total/NA	Solid	8021B	37872
890-3276-22	SW-10	Total/NA	Solid	8021B	37872
890-3276-23	SW-11	Total/NA	Solid	8021B	37872
MB 880-37872/5-A	Method Blank	Total/NA	Solid	8021B	37872
LCS 880-37872/1-A	Lab Control Sample	Total/NA	Solid	8021B	37872
LCSD 880-37872/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37872
890-3275-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	37872
890-3275-A-1-K MS	Matrix Spike	Total/NA	Solid	8021B	37872

Prep Batch: 37872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-20	SW-8	Total/NA	Solid	5035	
890-3276-21	SW-9	Total/NA	Solid	5035	
890-3276-22	SW-10	Total/NA	Solid	5035	
890-3276-23	SW-11	Total/NA	Solid	5035	
MB 880-37872/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37872/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37872/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

GC VOA (Continued)

Prep Batch: 37872 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3275-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
890-3275-A-1-K MS	Matrix Spike	Total/NA	Solid	5035	

Prep Batch: 37902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	5035	
890-3276-2	CS-2 (5)	Total/NA	Solid	5035	
890-3276-3	CS-3 (5)	Total/NA	Solid	5035	
890-3276-4	CS-4 (2)	Total/NA	Solid	5035	
890-3276-5	CS-5 (2)	Total/NA	Solid	5035	
890-3276-6	CS-6 (2)	Total/NA	Solid	5035	
890-3276-7	CS-7 (2)	Total/NA	Solid	5035	
890-3276-8	CS-8 (2)	Total/NA	Solid	5035	
890-3276-9	CS-9 (3)	Total/NA	Solid	5035	
890-3276-10	CS-10 (3)	Total/NA	Solid	5035	
890-3276-11	CS-11 (3)	Total/NA	Solid	5035	
890-3276-12	CS-12 (3)	Total/NA	Solid	5035	
890-3276-13	SW-1	Total/NA	Solid	5035	
890-3276-14	SW-2	Total/NA	Solid	5035	
890-3276-15	SW-3	Total/NA	Solid	5035	
890-3276-16	SW-4	Total/NA	Solid	5035	
890-3276-17	SW-5	Total/NA	Solid	5035	
890-3276-18	SW-6	Total/NA	Solid	5035	
890-3276-19	SW-7	Total/NA	Solid	5035	
MB 880-37902/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37902/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37902/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-20752-A-6-C MS	Matrix Spike	Total/NA	Solid	5035	
880-20752-A-6-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 37997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	Total BTEX	
890-3276-2	CS-2 (5)	Total/NA	Solid	Total BTEX	
890-3276-3	CS-3 (5)	Total/NA	Solid	Total BTEX	
890-3276-4	CS-4 (2)	Total/NA	Solid	Total BTEX	
890-3276-5	CS-5 (2)	Total/NA	Solid	Total BTEX	
890-3276-6	CS-6 (2)	Total/NA	Solid	Total BTEX	
890-3276-7	CS-7 (2)	Total/NA	Solid	Total BTEX	
890-3276-8	CS-8 (2)	Total/NA	Solid	Total BTEX	
890-3276-9	CS-9 (3)	Total/NA	Solid	Total BTEX	
890-3276-10	CS-10 (3)	Total/NA	Solid	Total BTEX	
890-3276-11	CS-11 (3)	Total/NA	Solid	Total BTEX	
890-3276-12	CS-12 (3)	Total/NA	Solid	Total BTEX	
890-3276-13	SW-1	Total/NA	Solid	Total BTEX	
890-3276-14	SW-2	Total/NA	Solid	Total BTEX	
890-3276-15	SW-3	Total/NA	Solid	Total BTEX	
890-3276-16	SW-4	Total/NA	Solid	Total BTEX	
890-3276-17	SW-5	Total/NA	Solid	Total BTEX	
890-3276-18	SW-6	Total/NA	Solid	Total BTEX	
890-3276-19	SW-7	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

GC VOA (Continued)

Analysis Batch: 37997 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-20	SW-8	Total/NA	Solid	Total BTEX	
890-3276-21	SW-9	Total/NA	Solid	Total BTEX	
890-3276-22	SW-10	Total/NA	Solid	Total BTEX	
890-3276-23	SW-11	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 37855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	8015B NM	37876
890-3276-2	CS-2 (5)	Total/NA	Solid	8015B NM	37876
890-3276-3	CS-3 (5)	Total/NA	Solid	8015B NM	37876
890-3276-4	CS-4 (2)	Total/NA	Solid	8015B NM	37876
890-3276-5	CS-5 (2)	Total/NA	Solid	8015B NM	37876
890-3276-6	CS-6 (2)	Total/NA	Solid	8015B NM	37876
890-3276-7	CS-7 (2)	Total/NA	Solid	8015B NM	37876
890-3276-8	CS-8 (2)	Total/NA	Solid	8015B NM	37876
890-3276-9	CS-9 (3)	Total/NA	Solid	8015B NM	37876
890-3276-10	CS-10 (3)	Total/NA	Solid	8015B NM	37876
890-3276-11	CS-11 (3)	Total/NA	Solid	8015B NM	37876
890-3276-12	CS-12 (3)	Total/NA	Solid	8015B NM	37876
890-3276-13	SW-1	Total/NA	Solid	8015B NM	37876
890-3276-14	SW-2	Total/NA	Solid	8015B NM	37876
890-3276-15	SW-3	Total/NA	Solid	8015B NM	37876
890-3276-16	SW-4	Total/NA	Solid	8015B NM	37876
890-3276-17	SW-5	Total/NA	Solid	8015B NM	37876
890-3276-18	SW-6	Total/NA	Solid	8015B NM	37876
890-3276-19	SW-7	Total/NA	Solid	8015B NM	37876
890-3276-20	SW-8	Total/NA	Solid	8015B NM	37876
MB 880-37876/1-A	Method Blank	Total/NA	Solid	8015B NM	37876
LCS 880-37876/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	37876
LCSD 880-37876/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	37876
890-3276-1 MS	CS-1 (5)	Total/NA	Solid	8015B NM	37876
890-3276-1 MSD	CS-1 (5)	Total/NA	Solid	8015B NM	37876

Analysis Batch: 37857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-21	SW-9	Total/NA	Solid	8015B NM	37877
890-3276-22	SW-10	Total/NA	Solid	8015B NM	37877
890-3276-23	SW-11	Total/NA	Solid	8015B NM	37877
MB 880-37877/1-A	Method Blank	Total/NA	Solid	8015B NM	37877
LCS 880-37877/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	37877
LCSD 880-37877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	37877
890-3276-21 MS	SW-9	Total/NA	Solid	8015B NM	37877
890-3276-21 MSD	SW-9	Total/NA	Solid	8015B NM	37877

Prep Batch: 37876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	8015NM Prep	
890-3276-2	CS-2 (5)	Total/NA	Solid	8015NM Prep	
890-3276-3	CS-3 (5)	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

GC Semi VOA (Continued)

Prep Batch: 37876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-4	CS-4 (2)	Total/NA	Solid	8015NM Prep	
890-3276-5	CS-5 (2)	Total/NA	Solid	8015NM Prep	
890-3276-6	CS-6 (2)	Total/NA	Solid	8015NM Prep	
890-3276-7	CS-7 (2)	Total/NA	Solid	8015NM Prep	
890-3276-8	CS-8 (2)	Total/NA	Solid	8015NM Prep	
890-3276-9	CS-9 (3)	Total/NA	Solid	8015NM Prep	
890-3276-10	CS-10 (3)	Total/NA	Solid	8015NM Prep	
890-3276-11	CS-11 (3)	Total/NA	Solid	8015NM Prep	
890-3276-12	CS-12 (3)	Total/NA	Solid	8015NM Prep	
890-3276-13	SW-1	Total/NA	Solid	8015NM Prep	
890-3276-14	SW-2	Total/NA	Solid	8015NM Prep	
890-3276-15	SW-3	Total/NA	Solid	8015NM Prep	
890-3276-16	SW-4	Total/NA	Solid	8015NM Prep	
890-3276-17	SW-5	Total/NA	Solid	8015NM Prep	
890-3276-18	SW-6	Total/NA	Solid	8015NM Prep	
890-3276-19	SW-7	Total/NA	Solid	8015NM Prep	
890-3276-20	SW-8	Total/NA	Solid	8015NM Prep	
MB 880-37876/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-37876/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-37876/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3276-1 MS	CS-1 (5)	Total/NA	Solid	8015NM Prep	
890-3276-1 MSD	CS-1 (5)	Total/NA	Solid	8015NM Prep	

Prep Batch: 37877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-21	SW-9	Total/NA	Solid	8015NM Prep	
890-3276-22	SW-10	Total/NA	Solid	8015NM Prep	
890-3276-23	SW-11	Total/NA	Solid	8015NM Prep	
MB 880-37877/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-37877/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-37877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3276-21 MS	SW-9	Total/NA	Solid	8015NM Prep	
890-3276-21 MSD	SW-9	Total/NA	Solid	8015NM Prep	

Analysis Batch: 37986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Total/NA	Solid	8015 NM	
890-3276-2	CS-2 (5)	Total/NA	Solid	8015 NM	
890-3276-3	CS-3 (5)	Total/NA	Solid	8015 NM	
890-3276-4	CS-4 (2)	Total/NA	Solid	8015 NM	
890-3276-5	CS-5 (2)	Total/NA	Solid	8015 NM	
890-3276-6	CS-6 (2)	Total/NA	Solid	8015 NM	
890-3276-7	CS-7 (2)	Total/NA	Solid	8015 NM	
890-3276-8	CS-8 (2)	Total/NA	Solid	8015 NM	
890-3276-9	CS-9 (3)	Total/NA	Solid	8015 NM	
890-3276-10	CS-10 (3)	Total/NA	Solid	8015 NM	
890-3276-11	CS-11 (3)	Total/NA	Solid	8015 NM	
890-3276-12	CS-12 (3)	Total/NA	Solid	8015 NM	
890-3276-13	SW-1	Total/NA	Solid	8015 NM	
890-3276-14	SW-2	Total/NA	Solid	8015 NM	
890-3276-15	SW-3	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

GC Semi VOA (Continued)

Analysis Batch: 37986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-16	SW-4	Total/NA	Solid	8015 NM	
890-3276-17	SW-5	Total/NA	Solid	8015 NM	
890-3276-18	SW-6	Total/NA	Solid	8015 NM	
890-3276-19	SW-7	Total/NA	Solid	8015 NM	
890-3276-20	SW-8	Total/NA	Solid	8015 NM	
890-3276-21	SW-9	Total/NA	Solid	8015 NM	
890-3276-22	SW-10	Total/NA	Solid	8015 NM	
890-3276-23	SW-11	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 37879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Soluble	Solid	DI Leach	
890-3276-2	CS-2 (5)	Soluble	Solid	DI Leach	
890-3276-3	CS-3 (5)	Soluble	Solid	DI Leach	
890-3276-4	CS-4 (2)	Soluble	Solid	DI Leach	
890-3276-5	CS-5 (2)	Soluble	Solid	DI Leach	
890-3276-6	CS-6 (2)	Soluble	Solid	DI Leach	
890-3276-7	CS-7 (2)	Soluble	Solid	DI Leach	
890-3276-8	CS-8 (2)	Soluble	Solid	DI Leach	
890-3276-9	CS-9 (3)	Soluble	Solid	DI Leach	
890-3276-10	CS-10 (3)	Soluble	Solid	DI Leach	
890-3276-11	CS-11 (3)	Soluble	Solid	DI Leach	
890-3276-12	CS-12 (3)	Soluble	Solid	DI Leach	
890-3276-13	SW-1	Soluble	Solid	DI Leach	
890-3276-14	SW-2	Soluble	Solid	DI Leach	
890-3276-15	SW-3	Soluble	Solid	DI Leach	
890-3276-16	SW-4	Soluble	Solid	DI Leach	
890-3276-17	SW-5	Soluble	Solid	DI Leach	
890-3276-18	SW-6	Soluble	Solid	DI Leach	
890-3276-19	SW-7	Soluble	Solid	DI Leach	
890-3276-20	SW-8	Soluble	Solid	DI Leach	
MB 880-37879/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-37879/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-37879/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3276-1 MS	CS-1 (5)	Soluble	Solid	DI Leach	
890-3276-1 MSD	CS-1 (5)	Soluble	Solid	DI Leach	
890-3276-11 MS	CS-11 (3)	Soluble	Solid	DI Leach	
890-3276-11 MSD	CS-11 (3)	Soluble	Solid	DI Leach	

Leach Batch: 37904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-21	SW-9	Soluble	Solid	DI Leach	
890-3276-22	SW-10	Soluble	Solid	DI Leach	
890-3276-23	SW-11	Soluble	Solid	DI Leach	
MB 880-37904/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-37904/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-37904/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-20628-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-20628-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

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QC Association Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

HPLC/IC

Analysis Batch: 37912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-21	SW-9	Soluble	Solid	300.0	37904
890-3276-22	SW-10	Soluble	Solid	300.0	37904
890-3276-23	SW-11	Soluble	Solid	300.0	37904
MB 880-37904/1-A	Method Blank	Soluble	Solid	300.0	37904
LCS 880-37904/2-A	Lab Control Sample	Soluble	Solid	300.0	37904
LCSD 880-37904/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	37904
880-20628-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	37904
880-20628-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	37904

Analysis Batch: 37914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3276-1	CS-1 (5)	Soluble	Solid	300.0	37879
890-3276-2	CS-2 (5)	Soluble	Solid	300.0	37879
890-3276-3	CS-3 (5)	Soluble	Solid	300.0	37879
890-3276-4	CS-4 (2)	Soluble	Solid	300.0	37879
890-3276-5	CS-5 (2)	Soluble	Solid	300.0	37879
890-3276-6	CS-6 (2)	Soluble	Solid	300.0	37879
890-3276-7	CS-7 (2)	Soluble	Solid	300.0	37879
890-3276-8	CS-8 (2)	Soluble	Solid	300.0	37879
890-3276-9	CS-9 (3)	Soluble	Solid	300.0	37879
890-3276-10	CS-10 (3)	Soluble	Solid	300.0	37879
890-3276-11	CS-11 (3)	Soluble	Solid	300.0	37879
890-3276-12	CS-12 (3)	Soluble	Solid	300.0	37879
890-3276-13	SW-1	Soluble	Solid	300.0	37879
890-3276-14	SW-2	Soluble	Solid	300.0	37879
890-3276-15	SW-3	Soluble	Solid	300.0	37879
890-3276-16	SW-4	Soluble	Solid	300.0	37879
890-3276-17	SW-5	Soluble	Solid	300.0	37879
890-3276-18	SW-6	Soluble	Solid	300.0	37879
890-3276-19	SW-7	Soluble	Solid	300.0	37879
890-3276-20	SW-8	Soluble	Solid	300.0	37879
MB 880-37879/1-A	Method Blank	Soluble	Solid	300.0	37879
LCS 880-37879/2-A	Lab Control Sample	Soluble	Solid	300.0	37879
LCSD 880-37879/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	37879
890-3276-1 MS	CS-1 (5)	Soluble	Solid	300.0	37879
890-3276-1 MSD	CS-1 (5)	Soluble	Solid	300.0	37879
890-3276-11 MS	CS-11 (3)	Soluble	Solid	300.0	37879
890-3276-11 MSD	CS-11 (3)	Soluble	Solid	300.0	37879

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-1 (5)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/26/22 22:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/26/22 21:53	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:13	CH	EET MID

Client Sample ID: CS-2 (5)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/26/22 23:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/26/22 22:56	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:27	CH	EET MID

Client Sample ID: CS-3 (5)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/26/22 23:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/26/22 23:18	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:33	CH	EET MID

Client Sample ID: CS-4 (2)

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/26/22 23:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-4 (2)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-4****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/26/22 23:39	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:37	CH	EET MID

Client Sample ID: CS-5 (2)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-5****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 00:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 00:00	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:42	CH	EET MID

Client Sample ID: CS-6 (2)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-6****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 00:21	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 07:57	CH	EET MID

Client Sample ID: CS-7 (2)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-7****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 00:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 00:42	AJ	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-7 (2)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-7****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:02	CH	EET MID

Client Sample ID: CS-8 (2)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-8****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 01:03	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:06	CH	EET MID

Client Sample ID: CS-9 (3)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-9****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 01:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 01:25	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:11	CH	EET MID

Client Sample ID: CS-10 (3)**Date Collected: 10/24/22 00:00****Date Received: 10/25/22 08:46****Lab Sample ID: 890-3276-10****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 02:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 01:46	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:16	CH	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: CS-11 (3)

Lab Sample ID: 890-3276-11

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 03:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 02:29	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:21	CH	EET MID

Client Sample ID: CS-12 (3)

Lab Sample ID: 890-3276-12

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 03:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 02:50	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:36	CH	EET MID

Client Sample ID: SW-1

Lab Sample ID: 890-3276-13

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 03:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 03:11	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:40	CH	EET MID

Client Sample ID: SW-2

Lab Sample ID: 890-3276-14

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 04:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-2

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 03:32	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 08:55	CH	EET MID

Client Sample ID: SW-3

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 04:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 03:54	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:00	CH	EET MID

Client Sample ID: SW-4

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 04:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 04:15	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:05	CH	EET MID

Client Sample ID: SW-5

Date Collected: 10/24/22 00:00

Date Received: 10/25/22 08:46

Lab Sample ID: 890-3276-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 05:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 04:36	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-5**Lab Sample ID: 890-3276-17****Date Collected: 10/24/22 00:00****Matrix: Solid****Date Received: 10/25/22 08:46**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:09	CH	EET MID

Client Sample ID: SW-6**Lab Sample ID: 890-3276-18****Date Collected: 10/24/22 00:00****Matrix: Solid****Date Received: 10/25/22 08:46**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 05:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 04:57	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:14	CH	EET MID

Client Sample ID: SW-7**Lab Sample ID: 890-3276-19****Date Collected: 10/24/22 00:00****Matrix: Solid****Date Received: 10/25/22 08:46**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37902	10/26/22 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37851	10/27/22 05:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 05:19	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:19	CH	EET MID

Client Sample ID: SW-8**Lab Sample ID: 890-3276-20****Date Collected: 10/24/22 00:00****Matrix: Solid****Date Received: 10/25/22 08:46**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	37872	10/26/22 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37852	10/26/22 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:43	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37876	10/26/22 11:18	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37855	10/27/22 05:40	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	37879	10/26/22 11:55	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37914	10/27/22 09:24	CH	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Client Sample ID: SW-9

Lab Sample ID: 890-3276-21

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	37872	10/26/22 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37852	10/26/22 18:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37877	10/26/22 11:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37857	10/26/22 21:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	37904	10/26/22 13:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37912	10/26/22 15:47	CH	EET MID

Client Sample ID: SW-10

Lab Sample ID: 890-3276-22

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	37872	10/26/22 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37852	10/26/22 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37877	10/26/22 11:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37857	10/26/22 22:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	37904	10/26/22 13:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37912	10/26/22 15:55	CH	EET MID

Client Sample ID: SW-11

Lab Sample ID: 890-3276-23

Date Collected: 10/24/22 00:00

Matrix: Solid

Date Received: 10/25/22 08:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37872	10/26/22 10:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37852	10/26/22 19:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37997	10/27/22 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			37986	10/27/22 09:52	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37877	10/26/22 11:21	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37857	10/26/22 23:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	37904	10/26/22 13:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	37912	10/26/22 16:15	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Rail Splitter 15 CTB 6

Job ID: 890-3276-1
SDG: 225905

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3276-1	CS-1 (5)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-2	CS-2 (5)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-3	CS-3 (5)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-4	CS-4 (2)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-5	CS-5 (2)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-6	CS-6 (2)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-7	CS-7 (2)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-8	CS-8 (2)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-9	CS-9 (3)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-10	CS-10 (3)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-11	CS-11 (3)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-12	CS-12 (3)	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-13	SW-1	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-14	SW-2	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-15	SW-3	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-16	SW-4	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-17	SW-5	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-18	SW-6	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-19	SW-7	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-20	SW-8	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-21	SW-9	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-22	SW-10	Solid	10/24/22 00:00	10/25/22 08:46
890-3276-23	SW-11	Solid	10/24/22 00:00	10/25/22 08:46



Chain of Custody

Work Order No: _____

Page 1 of 3

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: UST/PST ☐ PRP ☒ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	RailSplitter 15 CTB 6	Turn Around		Pres. Code		ANALYSIS REQUEST								Preservative Codes								
Project Number:	225905	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ O					
Project Location	Lea Co. NM	Due Date:	48hr													Cool: Cool	MeOH: Me					
Sampler's Name:	Jordan Tyner	TAT starts the day received by the lab, if received by 4:30pm														HCl: HC	HNO ₃ : HN					
PO #:	20960181															H ₂ SO ₄ : H ₂	NaOH: Na					
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐												HOLD					
Received Intact:	(Yes) Yes No	Thermometer ID:	7FWMOO3														H ₃ PO ₄ : HP					
Coder Custody Seals:	Yes No N/A	Correction Factor:	-0.2														NaHSO ₄ : NABIS					
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.2														Na ₂ S ₂ O ₃ : NasO ₃					
Total Containers:	24	Corrected Temperature:	1.0														Zn Acetate+NaOH: Zn					
					Parameters																NaOH+Ascorbic Acid: SAPC	
					BTEx 8021B																	
					H 8015M (GRO + DRO + MRO)																	
					Chloride 4500																	
					 890-3276 Chain of Custody																	

[illegible]

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$95.00 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 repaginated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Wally</i>	<i>Clare Gray</i>	10.25.22 844			
2		4			
3					
4					
5		6			

Revised Date 05/01/2020 Blaw 2020



Chain of Custody

Work Order No: _____

Page 2 of 3

Project Manager:		Ethan Sessums		Bill to: (if different)		Wesley Mathews	
Company Name:		NTG Environmental		Company Name:		Devon Energy	
Address:		402 E Wood Ave		Address:		6488 Seven Rivers Highway	
City, State ZIP:		Carrsbad, NM 88220		City, State ZIP:		Artesia, NM 88210	
Phone:		254-266-5456		Email:		Wesley.Mathews@dyn.com	

Project Name:		RailSplitter 15 CTB 6		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes			
Project Number:		225905		☐ Routine ☒ Rush																		None: NO DI Water: H ₂ O	
Project Location:		Lea Co. NM		Due Date:		48hr																Cool: Cool MeOH: Me	
Sampler's Name:		Jordan Tyner		TAT starts the day received by the lab. If received by 4:30pm																		HCL: HC HNO ₃ : HN	
PO #:		20960181																				H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No														H ₃ PO ₄ : HP	
Received Intact:		Yes No		Thermometer ID:																		NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes No N/A		Correction Factor:																		Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes No N/A		Temperature Reading:																		Zn Acetate+NaOH: Zn	
Total Containers:		24		Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
CS-11(3)	10/24/2022		X		Comp	1	BTEX 8021B													
CS-12(3)	10/24/2022		X		Comp	1	TPH 8015M (GRO + DRO + MRO)													
SW-1	10/24/2022		X		Comp	1	Chloride 4500													
SW-2	10/24/2022		X		Comp	1														
SW-3	10/24/2022		X		Comp	1														
SW-4	10/24/2022		X		Comp	1														
SW-5	10/24/2022		X		Comp	1														
SW-6	10/24/2022		X		Comp	1														
SW-7	10/24/2022		X		Comp	1														
SW-8	10/24/2022		X		Comp	1														

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>bulld</i>	<i>[Signature]</i>	10.25.22	2		
3			4		
5			6		

Work Order Comments

Program: UST/ST ☐ PRP ☐ Brownfields ☐ RRC ☐ Unperfund ☐

State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐

Reporting: ☐ Level II ☐ Level III ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Printed On: 10/24/2022 10:25:22



Chain of Custody

Work Order No: _____

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[illegible]

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3276-1

SDG Number: 225905

Login Number: 3276

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3276-1

SDG Number: 225905

Login Number: 3276**List Number: 2****Creator: Rodriguez, Leticia****List Source: Eurofins Midland****List Creation: 10/26/22 10:29 AM**

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

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

December 19, 2022

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: RAILSPLITTER 15 CTB 6

Enclosed are the results of analyses for samples received by the laboratory on 11/09/22 13:50.

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 5.5'	H225300-01	Soil	09-Nov-22 11:30	09-Nov-22 13:50
CS - 2 5.5'	H225300-02	Soil	09-Nov-22 11:30	09-Nov-22 13:50
CS - 3 5.5'	H225300-03	Soil	09-Nov-22 11:30	09-Nov-22 13:50
SW - 12	H225300-04	Soil	09-Nov-22 11:30	09-Nov-22 13:50
SW - 13	H225300-05	Soil	09-Nov-22 11:30	09-Nov-22 13:50

11/11/22 - Client changed the project name (see COC). This is the revised report and will replace the one sent on 11/09/22.

12/19/22 - Client changed the sample IDs for -04 and -05 (see COC). This is the 2nd revision of the report and will replace the one sent on 11/11/22.

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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

CS - 1 5.5'
H225300-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2110923	GM	09-Nov-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2110325	JH	09-Nov-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 87.6 % 69.9-140 2110325 JH 09-Nov-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	

Surrogate: 1-Chlorooctane 95.9 % 45.3-161 2110901 MS 09-Nov-22 8015B

Surrogate: 1-Chlorooctadecane 93.6 % 46.3-178 2110901 MS 09-Nov-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

CS - 2 5.5'
H225300-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	2110923	GM	09-Nov-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2110325	JH	09-Nov-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			87.0 %	69.9-140		2110325	JH	09-Nov-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	

Surrogate: 1-Chlorooctane			83.1 %	45.3-161		2110901	MS	09-Nov-22	8015B	
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Surrogate: 1-Chlorooctadecane			82.6 %	46.3-178		2110901	MS	09-Nov-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

CS - 3 5.5'
H225300-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	2110923	GM	09-Nov-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2110325	JH	09-Nov-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			89.9 %	69.9-140		2110325	JH	09-Nov-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	

Surrogate: 1-Chlorooctane			75.3 %	45.3-161		2110901	MS	09-Nov-22	8015B	
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Surrogate: 1-Chlorooctadecane			74.1 %	46.3-178		2110901	MS	09-Nov-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

SW - 12
H225300-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	2110923	GM	09-Nov-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2110325	JH	09-Nov-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			88.0 %	69.9-140		2110325	JH	09-Nov-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	

Surrogate: 1-Chlorooctane			80.4 %	45.3-161		2110901	MS	09-Nov-22	8015B	
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Surrogate: 1-Chlorooctadecane			75.2 %	46.3-178		2110901	MS	09-Nov-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

SW - 13
H225300-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2110925	GM	09-Nov-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2110325	JH	09-Nov-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2110325	JH	09-Nov-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			89.0 %	69.9-140		2110325	JH	09-Nov-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2110901	MS	09-Nov-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			119 %	45.3-161		2110901	MS	09-Nov-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			115 %	46.3-178		2110901	MS	09-Nov-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2110923 - 1:4 DI Water**Blank (2110923-BLK1)**

Prepared & Analyzed: 09-Nov-22

Chloride	ND	16.0	mg/kg							
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LCS (2110923-BS1)

Prepared & Analyzed: 09-Nov-22

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (2110923-BSD1)

Prepared & Analyzed: 09-Nov-22

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 2110925 - 1:4 DI Water**Blank (2110925-BLK1)**

Prepared & Analyzed: 09-Nov-22

Chloride	ND	16.0	mg/kg							
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LCS (2110925-BS1)

Prepared & Analyzed: 09-Nov-22

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (2110925-BSD1)

Prepared & Analyzed: 09-Nov-22

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2110325 - Volatiles**Blank (2110325-BLK1)**

Prepared: 03-Nov-22 Analyzed: 09-Nov-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		89.7	69.9-140			

LCS (2110325-BS1)

Prepared: 03-Nov-22 Analyzed: 09-Nov-22

Benzene	1.99	0.050	mg/kg	2.00		99.3	83.4-122			
Toluene	2.08	0.050	mg/kg	2.00		104	84.2-126			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	84.2-121			
m,p-Xylene	4.18	0.100	mg/kg	4.00		104	89.9-126			
o-Xylene	1.94	0.050	mg/kg	2.00		97.1	84.3-123			
Total Xylenes	6.12	0.150	mg/kg	6.00		102	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0433		mg/kg	0.0500		86.6	69.9-140			

LCS Dup (2110325-BSD1)

Prepared: 03-Nov-22 Analyzed: 09-Nov-22

Benzene	1.88	0.050	mg/kg	2.00		94.2	83.4-122	5.29	12.6	
Toluene	1.98	0.050	mg/kg	2.00		98.9	84.2-126	4.96	13.3	
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.0	84.2-121	4.95	13.9	
m,p-Xylene	4.00	0.100	mg/kg	4.00		100	89.9-126	4.32	13.6	
o-Xylene	1.87	0.050	mg/kg	2.00		93.6	84.3-123	3.65	14.1	
Total Xylenes	5.87	0.150	mg/kg	6.00		97.9	89.1-124	4.11	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0420		mg/kg	0.0500		84.0	69.9-140			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: RAILSPLITTER 15 CTB 6
Project Number: 226363
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
19-Dec-22 11:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2110901 - General Prep - Organics**Blank (2110901-BLK1)**

Prepared & Analyzed: 09-Nov-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.3		mg/kg	50.0		105	45.3-161			
Surrogate: 1-Chlorooctadecane	52.9		mg/kg	50.0		106	46.3-178			

LCS (2110901-BS1)

Prepared & Analyzed: 09-Nov-22

GRO C6-C10	198	10.0	mg/kg	200		99.0	76.8-124			
DRO >C10-C28	212	10.0	mg/kg	200		106	74.9-127			
Total TPH C6-C28	410	10.0	mg/kg	400		103	77.5-124			
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	45.3-161			
Surrogate: 1-Chlorooctadecane	56.5		mg/kg	50.0		113	46.3-178			

LCS Dup (2110901-BSD1)

Prepared & Analyzed: 09-Nov-22

GRO C6-C10	215	10.0	mg/kg	200		108	76.8-124	8.28	17.2	
DRO >C10-C28	235	10.0	mg/kg	200		118	74.9-127	10.3	18.6	
Total TPH C6-C28	450	10.0	mg/kg	400		113	77.5-124	9.35	17.6	
Surrogate: 1-Chlorooctane	60.2		mg/kg	50.0		120	45.3-161			
Surrogate: 1-Chlorooctadecane	65.2		mg/kg	50.0		130	46.3-178			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H225300

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-286-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level: I ☐ Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	<u>Devon Energy</u>		Turn Around	☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	<u>226363</u>		Due Date:	<u>Same day</u>												None: NO	DI Water: H ₂ O			
Project Location:	<u>Lea Co, NM</u>		TAT starts the day received by the lab, if received by 4:30pm													Cool: Cool	MeOH: Me			
Sampler's Name:	<u>Kenny Han</u>															HCL: HC	HNO ₃ : HN			
PO #:	<u>21073110</u>															H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT			Temp Blank:	Yes ☒ No	Wet Ice:	Yes ☒ No	Parameters												HOLD	
Received In tact:			Thermometer ID:				BTX 8021B												NaHSO ₄ : MABIS	
Cooler Custody Seals:	Yes ☒ No		Correction Factor:				TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No		Temperature Reading:				Chloride 4500												Zn Acetate+NaOH: Zn	
Total Containers:	<u>5</u>		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments			
<u>C5-1</u>	<u>5.51</u>	<u>11:20</u>				<u>1</u>														
<u>C5-2</u>	<u>5.51</u>					<u>1</u>														
<u>C5-3</u>	<u>5.51</u>					<u>1</u>														
<u>C5-4</u>	<u>5.12</u>					<u>1</u>														
<u>C5-5</u>	<u>5.13</u>					<u>1</u>														
	<u>12/16/22</u>																			

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>11-9-22 1350</u>			

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

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

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

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

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

CONDITIONS

Action 194887

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 194887
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/16/2023