

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

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

Form C-141  
Revised October 10, 2003

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

30-015-26647  
n MLB 0500436368

**Release Notification and Corrective Action**

**OPERATOR**  Initial Report  Final Report

Name of Company	Yates Petroleum Corporation	Contact	Dan Dolan
Address	105 South 4 <sup>th</sup> Street, Artesia, N.M. 88210	Telephone No.	505-748-1471
Facility Name	Waylater "AIY" #1	Facility Type	Tank Battery

Surface Owner State	Mineral Owner	Lease No.
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	25	19s	29c	990'	South	660'	East	Eddy

Latitude 32.62689 Longitude 104.0215

**NATURE OF RELEASE**

Type of Release	Condensate	Volume of Release	8-10 bbls	Volume Recovered	0
Source of Release	Vent line from separator.	Date and Hour of Occurrence	UK	Date and Hour of Discovery	12/17/2004
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Date and Hour				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse:			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.  
Vent line released 8-10 bbls condensate. Will excavated and removal visible impacted soil. Will treat excavated area and back fill to grade at later date using clean soil.

Describe Area Affected and Cleanup Action Taken.\*

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

Signature:		<b>OIL CONSERVATION DIVISION</b>	
Printed Name:	Dan Dolan	Approved by District Supervisor:	
Title:	Environmental Regulatory Agent	Approval Date:	Expiration Date:
E-mail Address:	ddolan@ypc.com	<b>DENIED</b>	
Date:	12/28/2004		
Phone:	505-748-4181		

\* Attach Additional Sheets If Necessary

F

Incident ID	
District RP	2RP-54
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?	Unknown _____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	
District RP	2RP-54
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: James F. Kennedy Title: Environmental Specialist  
 Signature: *James F Kennedy* Date: 4/4/22  
 email: James\_Kennedy@eogresources.com Telephone: 432-848-9146

**OCD Only**

Received by: *Shelly Wells* Date: 6/23/2023

Incident ID	
District RP	2RP-54
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: James F. Kennedy Title: Environmental Supervisor  
 Signature: *James F. Kennedy* Date: 08/29/2023  
 email: James\_Kennedy@eogresources.com Telephone: 432-848-9146

**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: \_\_\_\_\_

2135 S. Loop 250 W,  
Midland, Texas 79703  
United States  
www.ghd.com

Our ref: 12618105

August 29, 2023

New Mexico Oil Conservation Division  
District II  
811 South First Street  
Artesia, New Mexico 88210

Re: **Amended Site Characterization and Closure Report  
Yates Wayfarer AIY State #001 Release Site  
EOG Resources, Inc.  
Remediation Permit: 2RP-54  
API # 30-015-26647  
P-25-19S-29E, Eddy County, New Mexico**

## 1. Introduction

GHD Services Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Characterization and Closure Report to the New Mexico Oil Conservation Division (NMOCD) District II Office for approval. This Report provides documentation of delineation, sampling, analyses, and remedial activities in the affected areas at the EOG Yates Wayfarer AIY State #001 Release Site (Site). The Site is located in Unit Letter P, Section 25 of Township 19 South and Range 29 East in Eddy County, New Mexico (Figure 1). The GPS coordinates for the well from where the release emanated are 32.626535 N latitude and 104.022074 W longitude. The surface owner of the land where the release occurred is the New Mexico State Land Office. The Site details are depicted on Figure 2, 3, and 4.

## 2. Background Information

On December 17, 2004, a representative of the Department of Interior/Bureau of Land Management (BLM) notified the NMOCD that a lease owner notified them of an oil tank being drained into his stock tank. A Yates representative told the NMOCD Deputy Inspector that the vent line was installed sometime in late 2003 (approximately one year prior to the investigation). An estimated 8-10 barrels of liquid condensate had been released from the vent line since the vent line was installed.

A C-141 initial report for this release was submitted to the NMOCD by Yates on December 28, 2004, which was denied. A second C-141 was submitted to the NMOCD on January 11, 2005, which was also denied due to TPH levels being above acceptable levels. All remediation activities were performed by Yates. EOG submitted a Site Characterization and Closure Report dated April 5, 2022, which was rejected by the NMOCD in correspondence

dated July 10, 2023 due to TPH levels in TP7 and TP8 being above acceptable levels. The Release Notification, Site Assessment/Characterization and Closure portions of Form C-141 are attached to the front of this report.

### 3. Groundwater and Site Characterization

GHD characterized the Site according to Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12). The release falls under the jurisdiction of the NMOCD District II in Artesia, New Mexico.

A playa is present approximately seventy-five (75) feet from visible contamination as determined by an NMOCD Deputy Inspector during an investigation performed on December 17, 2004; therefore, the closure criteria for depth to groundwater less than fifty (50) feet below ground surface (bgs) was used. A water well (CP 00821) is located approximately 0.04 miles south of the Site. No other receptors (waterways, lakebeds or ordinance boundaries) were located within each specific boundaries or distance from the Site. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is located within an area of high karst potential. The Site characterization documentation (Well Record, Karst Potential, Significant Water Course, Wetlands, and FEMA maps) are provided in Attachment A. The soil and closure criteria are listed below:

General Site Characterization and Groundwater: Table 3.1

Site Characterization	Average Groundwater Depth (feet)
High Karst Potential Area	Approximately 117 ft, treated as <50 feet

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 and 13)

Regulatory Standard	Benzene (mg/kg)	BTEX (mg/kg)	TPH (GRO+MRO) (mg/kg)	TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	10	50	---	100	600
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	10	50	---	100	600
Notes: --- = not defined					

### 4. Initial Assessment and Sampling

On March 31, 2021, GHD and EOG's contractor SDR Enterprises LLC (SDR), on behalf of EOG, installed twelve (12) test pits, TP1 through TP12, within the suspected impacted area. Soil samples were collected at depths from surface (0 feet) to ten (10) feet bgs. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA SW846 Method 8021B, total petroleum hydrocarbons (TPH) by EPA SW846 Method 8015B Modified, and chloride by EPA Method 300 by Eurofins Carlsbad Environment Testing America Laboratory (Eurofins) in Carlsbad, New Mexico.

Two of the twelve (12) test pits had samples exhibiting TPH concentrations exceeding NMAC Table I Closure Criteria for groundwater less than fifty (50) feet. Test pit TP7 at eight (8) feet bgs exhibited a Total TPH concentration of 837 mg/kg. All samples collected above and below eight (8) feet bgs exhibited Total TPH concentrations less than one hundred (100) mg/kg. Test pit TP8 exhibited a Total TPH concentration of 894 mg/kg at six (6) feet bgs. All samples collected above and below six (6) feet bgs exhibited Total TPH concentrations less than one hundred (100) mg/kg. Figure 2, Site Assessment: Soil Analytical Results Map, depicts the locations of the initial delineation samples and analytical concentrations. Analytical results are provided in Table 1, on Figure 2, and in the Laboratory Analytical Reports provided in Attachment B.

## 5. Delineation Sampling

Due to the initial soil sampling activities exhibiting TPH concentrations above NMAC Table I Closure Criteria values for depth to groundwater less than fifty (50) feet, GHD and SDR returned to the Site on February 21, 2022, to further delineate the areas around TP7 and TP8. SDR installed eight (8) test pits around the TP7 and TP8 locations (TP7N, TP7S, TP7E, TP7W, TP8N, TP8S, TP8E, and TP8W). Soil samples were collected at depths from two (2) to ten (10) feet bgs. All soil samples were analyzed for BTEX by EPA SW846 Method 8021B, TPH by EPA SW846 Method 8015B Modified, and chloride by EPA Method 300 by Eurofins Carlsbad Environment Testing America Laboratory (Eurofins) in Carlsbad, New Mexico.

None of the eight (8) test pits had samples exceeding NMAC Table I Closure Criteria for groundwater less than fifty (50) feet. Figure 3 depicts the locations of the delineation sample locations and analytical concentrations. Analytical results are provided in Table 1, on Figure 3, and in the Laboratory Analytical Reports provided in Attachment B.

## 6. Excavation, Confirmation Sampling, and Backfilling Activities

On August 10, 2023, GHD and SDR mobilized to the Site to address the previously left in place soils with TPH exceedances above Table I Closure Criteria (TP7-8 and TP8-6). The area around TP7 was excavated to approximately nine (9) feet bgs, the surface area of the excavation was approximately sixty (60) square feet. The soils were field screened and stockpiled, the stockpile from TP7 was approximately fifteen and one-half (15.5) cubic yards. The area around TP8 was excavated to approximately seven (7) feet bgs, the surface area of the excavation was approximately eighty (80) square feet. The soils were field screened and stockpiled, the stockpile from TP8 was approximately twenty-six (26) cubic yards. GHD collected two (2) bottom hole composite confirmation sample (TP7 BH1 and TP8 BH1), four (4) sidewall composite confirmation samples (TP7 SW1, TP7 SW2, TP8 SW1, and TP8 SW2), and three (3) stockpile composite samples (TP7 SP1, TP8 SP1, and TP8 SP2). Composite confirmation samples represented areas no greater than two hundred (200) square feet. Stockpile composite samples represented volumes no greater than sixteen (16) cubic yards. Samples were placed in laboratory-provided containers, which were immediately labelled, sealed, and stored/transported in a cooler containing ice to a laboratory certified by the National Environmental Laboratory Program (NELAP) for analysis. Samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, and analyzed for BTEX by EPA SW846 Method 8021B, TPH by EPA SW846 Method 8015B Modified, and chloride by EPA Method 300.

Analytical results indicated none of the samples exhibited benzene, BTEX, TPH, or chloride concentrations above Table I Closure Criteria. Sample locations are presented on Figure 4. Analytical results are shown on Table 1

and in the the laboratory analytical reports included as Attachment B. The excavations were backfilled with the stockpiled soils on August 14, 2023. A photographic log is included as Attachment C. Sampling notifications are included as Attachment D.

## 7. 2RP-0054 Closure Requests

Site characterization, soil delineation, and remediation activities for Remediation Permit Number 2RP-0054 have been performed in accordance with applicable NMOCD guidance and regulations. Based upon supporting documentation provided in this report, GHD, on behalf of EOG, respectfully requests closure of 2RP-0054.

If you have any questions or comments concerning this Amended Site Characterization and Closure Report, please do not hesitate to contact our Midland office at (432) 686-0086.

Sincerely,

GHD



Nate Reece  
Environmental Scientist



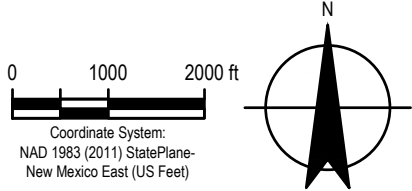
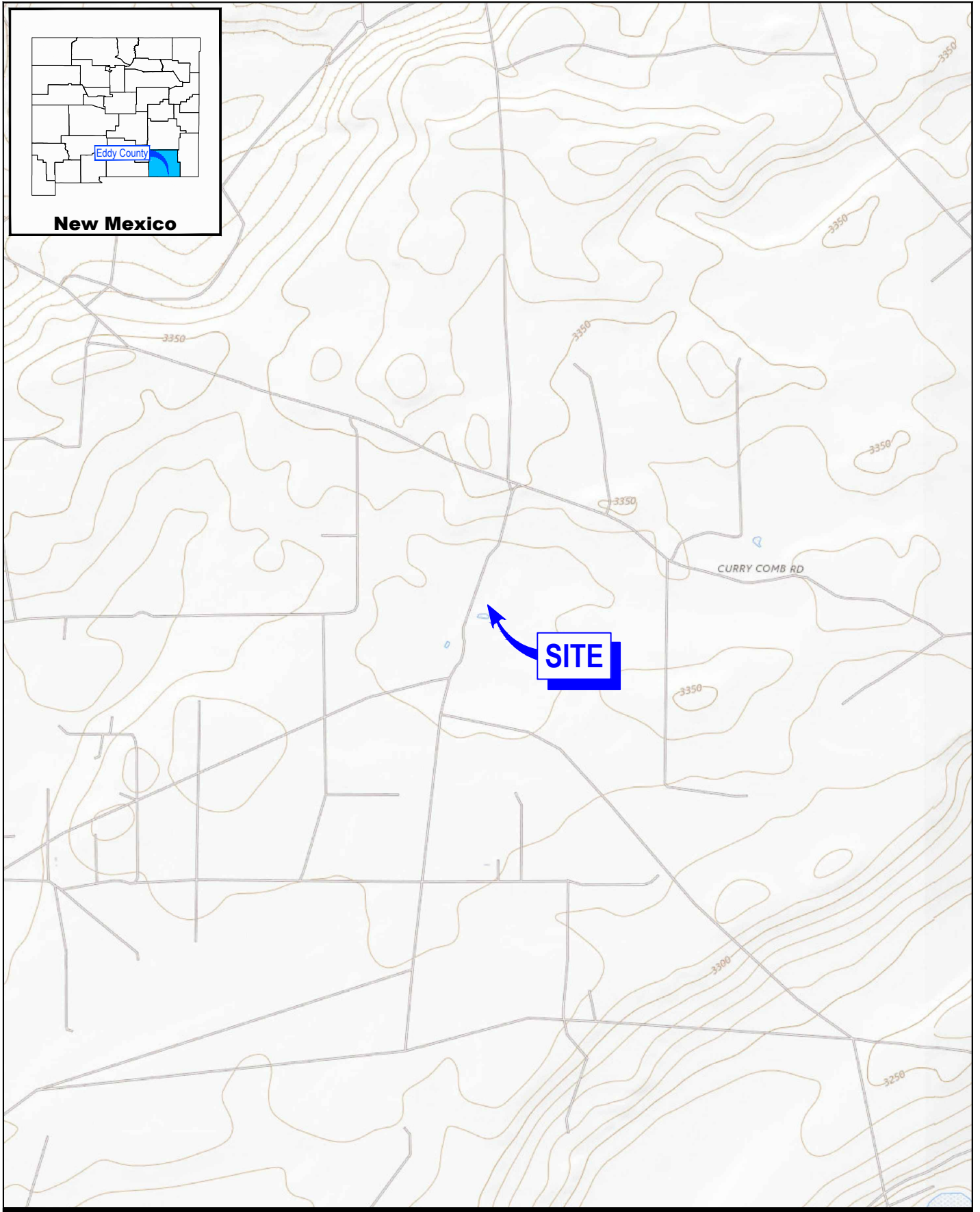
J.T. Murrey  
Project Director

NR/jt/1

- Encl. Figure 1 – Site Location Map  
Figure 2 – Initial Assessment Analytical Summary Map  
Figure 3 – Delineation Sampling Analytical Summary Map  
Figure 4 – Confirmation Sampling Locations Map  
Table 1 – Summary of Soil Analytical Data  
Attachment A – Site Characterization Documentation  
Attachment B – Laboratory Analytical Reports and Chain-of-Custody Documentation  
Attachment C – Photographic Log  
Attachment D – Sampling Notifications

cc: James Kennedy

# Figures



Coordinate System:  
NAD 1983 (2011) StatePlane-  
New Mexico East (US Feet)

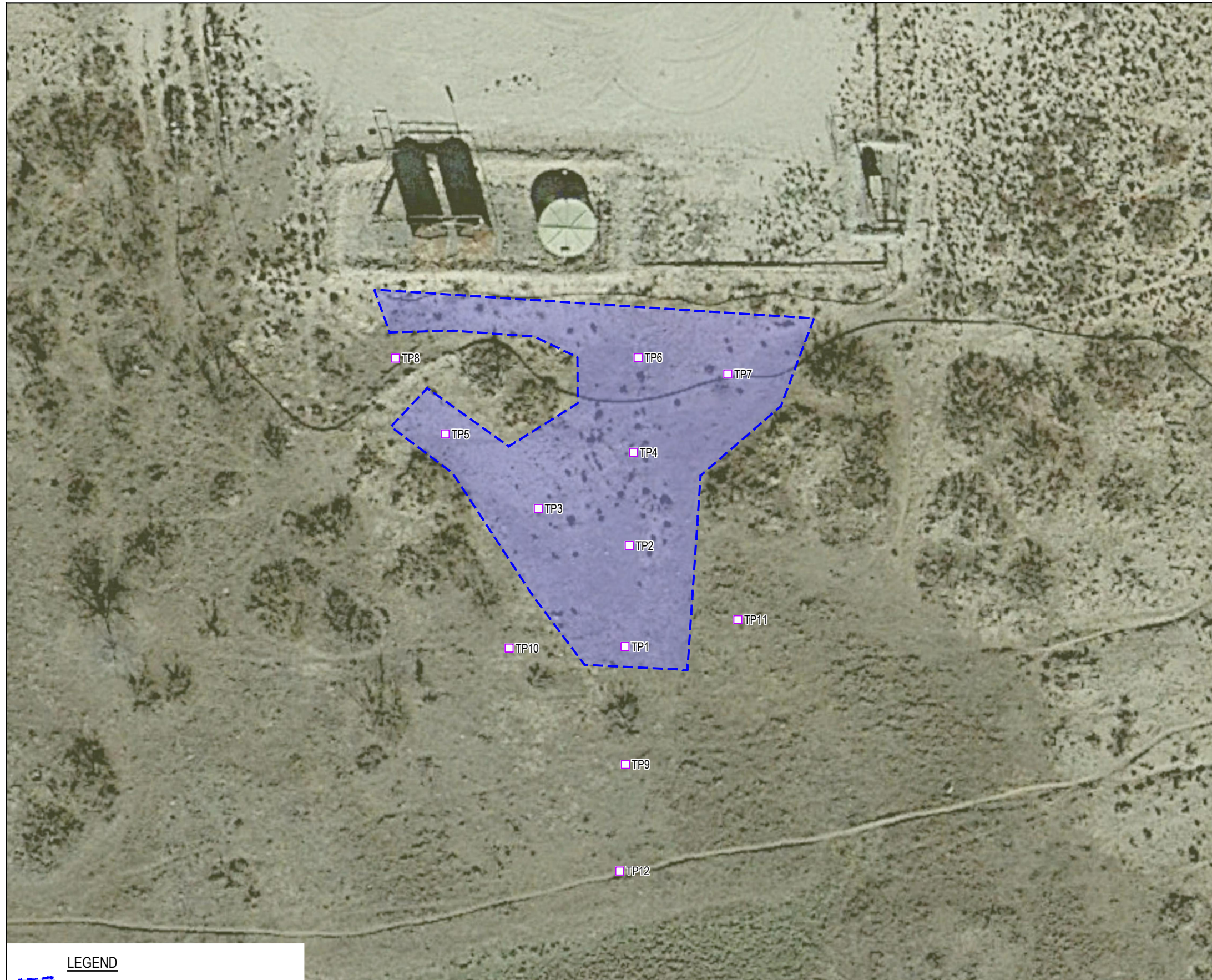


EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
YATES WAYFARER AIY STATE #001

Project No. 12618105  
Date August 2023

SITE LOCATION MAP

FIGURE 1

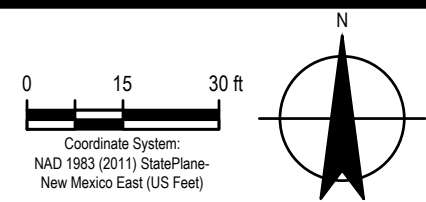


Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	Total Petroleum Hydrocarbons (TPH)	Chloride
			(mg/kg)	(mg/kg)	Total GRODROMRO (mg/kg)	
			Table 1 Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC			
			10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg
<b>Initial Assessment Samples</b>						
TP1-S	3/31/21	Surface	<0.00200 U	<0.00200 U **	<49.9 U	17.8
TP1-2	3/31/21	2	<0.00202 U	<0.00202 U **	<49.8 U	<5.00 U
TP1-6	3/31/21	6	<0.00201 U	<0.00201 U **	<b>52.6</b>	<5.03 U
TP2-S	3/31/21	Surface	<0.00200 U	<0.00200 U **	<49.9 U	6.96
TP2-2	3/31/21	2	<0.00200 U	<0.00200 U **	<49.7 U	15.0
TP2-4	3/31/21	4	<0.00199 U	<0.00199 U **	<b>51.7</b>	6.31
TP2-7	3/31/21	7	<0.00200 U	<b>0.00207 **</b>	<b>62.3</b>	13.6
TP3-S	3/31/21	Surface	<0.00200 U	<0.00200 U **	<50.1 U	8.51
TP3-2	3/31/21	2	<0.00199 U	<0.00199 U **	<50.0 U	8.03
TP3-4	3/31/21	4	<0.00200 U	<0.00200 U **	<50.0 U	<4.96 U
TP3-7	3/31/21	7	<0.00199 U	<0.00199 U **	<50.1 U	6.90
TP4-S	3/31/21	Surface	<0.00201 U	<0.00201 U **	<50.0 U	7.22
TP4-2	3/31/21	2	<0.00201 U	<0.00201 U **	<49.9 U	25.5
TP4-4	3/31/21	4	<0.00202 U	<0.00202 U **	<b>54.1</b>	34.1
TP4-6	3/31/21	6	<0.00200 U	<0.00200 U **	<49.9 U	48.6
TP4-8	3/31/21	8	<0.00200 U	<0.00200 U **	<49.8 U	70.7
TP4-10	3/31/21	10	<0.00198 U	<0.00198 U **	<49.9 U	84.4
TP5-S	3/31/21	Surface	<0.00199 U	<0.00199 U **	<50.0 U	10.5
TP5-2	3/31/21	2	<0.00198 U	<0.00198 U **	<50.0 U	14.4
TP5-4	3/31/21	4	<0.00199 U	<0.00199 U **	<49.9 U	14.0
TP5-6	3/31/21	6	<0.00202 U	<0.00202 U **	<49.9 U	14.4
TP5-8	3/31/21	8	<0.00200 U	<0.00200 U **	<49.8 U	11.1
TP6-S	3/31/21	Surface	<0.00200 U	<0.00200 U **	<49.7 U	12.8
TP6-2	3/31/21	2	<0.00200 U	<0.00200 U **	<50.2 U	25.8
TP6-4	3/31/21	4	<0.00202 U	<0.00202 U **	<50.1 U	39.1
TP6-6	3/31/21	6	<0.00202 U	<0.00202 U **	<50.0 U	33.8
TP6-8	3/31/21	8	<0.00201 U	<0.00201 U **	<50.0 U	34.8
TP6-10	3/31/21	10	<0.00200 U	<0.00200 U **	<50.1 U	30.4
TP7-S	3/31/21	Surface	<0.00199 U H F1 F2	<0.00199 U H F1 F2	<49.9 U	12.2
TP7-2	3/31/21	2	<0.00199 U	<0.00199 U **	<49.9 U	15.4
TP7-4	3/31/21	4	<0.00200 U	<0.00200 U **	<49.9 U	8.89
TP7-6	3/31/21	6	<0.00199 U	<0.00199 U **	<b>52.9</b>	10.6
TP7-8	3/31/21	8	<0.00200 U	<0.00200 U F1 **	<b>837</b>	11.4
TP7-10	3/31/21	10	<0.00200 U	<0.00200 U **	<49.9 U	6.92
TP8-S	3/31/21	Surface	<0.00202 U	<0.00202 U **	<49.9 U	9.71
TP8-2	3/31/21	2	<0.00199 U	<0.00199 U **	<49.8 U	19.4
TP8-4	3/31/21	4	<0.00199 U	<0.00199 U **	<50.0 U	13.5
TP8-6	3/31/21	6	<0.00198 U	<0.00198 U **	<b>894</b>	12.1
TP8-8	3/31/21	8	<0.00198 U	<0.00198 U **	<49.7 U	43.2
TP8-10	3/31/21	10	<0.00200 U	<0.00200 U **	<49.9 U	9.66
TP9-S	3/31/21	Surface	<0.00201 U	<0.00201 U **	<50.0 U	14.1
TP9-2	3/31/21	2	<b>0.00205 F1</b>	<b>0.00675 F1</b>	<50.0 U	3.83
TP9-6	3/31/21	6	<0.00200 U	<b>0.00283 **</b>	<49.9 U	5.28
TP10-S	3/31/21	Surface	<0.00198 U	<0.00198 U **	<49.9 U	69.9
TP10-2	3/31/21	2	<0.00198 U	<b>0.00557 **</b>	<49.7 U	9.63
TP10-6	3/31/21	6	<0.00199 U	<0.00199 U **	<50.2 U	<5.05 U
TP11-S	3/31/21	Surface	<0.00200 U F1	<0.00200 U F1 **	<49.9 U	7.42
TP11-2	3/31/21	2	<0.00200 U	<0.00200 U **	<50.1 U	<4.95 U
TP11-6	3/31/21	6	<0.00200 U	<0.00200 U **	<49.9 U	<5.02 U
TP12-S	3/31/21	Surface	<0.00201 U	<0.00201 U **	<49.9 U F1	29.7
TP12-2	3/31/21	2	<0.00201 U	<0.00201 U **	<49.9 U	7.72
TP12-6	3/31/21	6	<0.00200 U	<0.00200 U **	<49.9 U	14.1

**LEGEND**

- PROPOSED EXCAVATED AREA W/ DEPTH
- TEST PIT LOCATION
- DEPTH DEPTH OF SAMPLE (FT)
- BTEX BENZENE, TOLUENE, ETHYLBENZENE & XYLENES CONCENTRATION (MG/KG)
- TPH TOTAL PETROLEUM HYDROCARBONS CONCENTRATION (MG/KG)

- NOTES:**
- RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).
  - SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.
  - YELLOW SHADED CELLS INDICATE EXCEEDANCE.



**EOG RESOURCES**  
**EDDY COUNTY, NEW MEXICO**  
**YATES WAYFARER AIY STATE #001**

**INITIAL ASSESSMENT**  
**ANALYTICAL SUMMARY MAP**

Project No. 12618105  
 Date August 2023

**FIGURE 2**



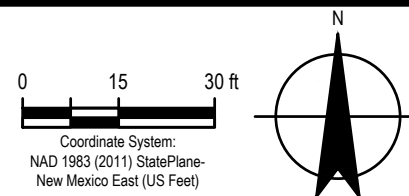
Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	Total Petroleum Hydrocarbons (TPH)	Chloride	
			(mg/kg)	(mg/kg)	Total GRODROMRO		
			Table 1 Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC				
			10 mg/kg	50 mg/kg	100 mg/kg		600 mg/kg
<b>Initial Assessment Samples</b>							
TP7N-2	2/21/22	2	<0.00200 U	<0.00400 U	<50.0 U	17.9	
TP7N-4	2/21/22	4	<0.00202 U	<0.00400 U	<50.0 U	<5.00 U	
TP7N-6	2/21/22	6	<0.00199 U	<0.00400 U	<50.0 U	8.20	
TP7N-8	2/21/22	8	<0.00201 U	<0.00400 U	<50.0 U	12.3	
TP7N-10	2/21/22	10	<0.00200 U	<0.00400 U	<50.0 U	10.0	
TP7S-2	2/21/22	2	<0.00199 U	<0.00400 U	<50.0 U	10.2	
TP7S-4	2/21/22	4	<0.00200 U	<0.00400 U	<50.0 U	5.87	
TP7S-6	2/21/22	6	<0.00199 U	<0.00400 U	<50.0 U	5.98	
TP7S-8	2/21/22	8	<0.00198 U	<0.00400 U	<50.0 U	<4.96 U	
TP7S-10	2/21/22	10	<0.00201 U	<0.00400 U	<50.0 U	6.92	
TP7E-2	2/21/22	2	<0.00200 U	<0.00400 U	<50.0 U	7.12	
TP7E-4	2/21/22	4	<0.00200 U	<0.00400 U	<50.0 U	5.73	
TP7E-6	2/21/22	6	<0.00199 U	<0.00400 U	<50.0 U	<4.99 U	
TP7E-8	2/21/22	8	<0.00198 U	<0.00400 U	<50.0 U	<4.95 U	
TP7E-10	2/21/22	10	<0.00202 U	<0.00400 U	<50.0 U	<5.04 U	
TP7W-2	2/21/22	2	<0.00200 U	<0.00400 U	<50.0 U	<4.98 U	
TP7W-4	2/21/22	4	<0.00199 U	<0.00400 U	<50.0 U	<4.99 U	
TP7W-6	2/21/22	6	<0.00200 U	<0.00400 U	<50.0 U	<4.95 U	
TP7W-8	2/21/22	8	<0.00198 U	<0.00400 U	<50.0 U	<4.97 U	
TP7W-10	2/21/22	10	<0.00200 U	<0.00400 U	<50.0 U	<4.98 U	
TP8N-2	2/21/22	2	<0.00199 U	<0.00400 U	<50.0 U	11.9 F1	
TP8N-4	2/21/22	4	<0.00200 U	<0.00400 U	<50.0 U	13.9	
TP8N-6	2/21/22	6	<0.00198 U	<0.00400 U	<50.0 U	7.37	
TP8N-8	2/21/22	8	<0.00199 U	<0.00400 U	<50.0 U	50.8	
TP8S-2	2/21/22	2	<0.00200 U	<0.00400 U	<50.0 U	11.6	
TP8S-4	2/21/22	4	<0.00199 U	<0.00400 U	<50.0 U	<4.97 U	
TP8S-6	2/21/22	6	<0.00198 U	<0.00400 U	<50.0 U	10.2	
TP8S-10	2/21/22	10	<0.00198 U	<0.00400 U	<50.0 U	15.1	
TP8E-2	2/21/22	2	<0.00198 U	<0.00400 U	<50.0 U	11.4	
TP8E-4	2/21/22	4	<0.00201 U	<0.00400 U	<50.0 U	6.89	
TP8E-6	2/21/22	6	<0.00200 U	<0.00400 U	<50.0 U	<5.01 U	
TP8E-8	2/21/22	8	<0.00202 U	<0.00400 U	<50.0 U	7.94	
TP8W-2	2/21/22	2	<0.00198 U	<0.00400 U	<50.0 U	10.5	
TP8W-4	2/21/22	4	<0.00198 U	<0.00400 U	<50.0 U	8.20	
TP8W-6	2/21/22	6	<0.00199 U	<0.00400 U	<50.0 U	6.57	
TP8W-8	2/21/22	8	<0.00200 U	<0.00400 U	<50.0 U	6.53	

**LEGEND**

- TEST PIT LOCATION
- DEPTH DEPTH OF SAMPLE (FT)
- BTEX BENZENE, TOLUENE, ETHYLBENZENE & XYLENES CONCENTRATION (MG/KG)
- TPH TOTAL PETROLEUM HYDROCARBONS CONCENTRATION (MG/KG)

**NOTES:**

1. RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).
2. SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.
3. YELLOW SHADED CELLS INDICATE EXCEEDANCE.

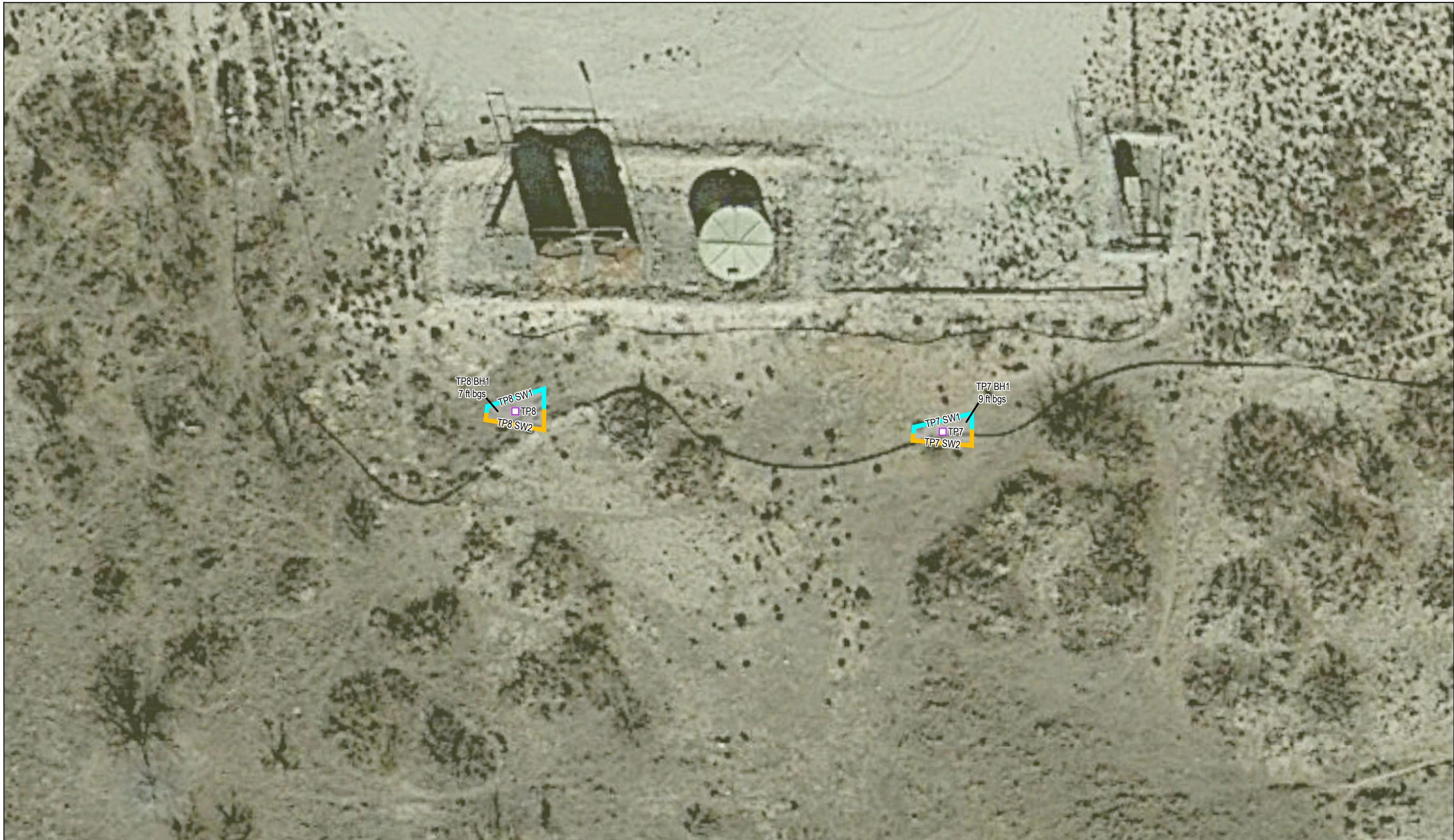


EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
YATES WAYFARER AIY STATE #001

DELINEATION SAMPLING  
ANALYTICAL SUMMARY MAP

Project No. 12618105  
Date August 2023

**FIGURE 3**



**LEGEND**

- TEST PIT LOCATION
- EXCAVATED AREA
- TP8 SW1 INDICATES SIDE WALL COMPOSITE SAMPLE
- TP8 SW2 INDICATES SIDE WALL COMPOSITE SAMPLE

0 10 20 ft

Coordinate System:  
NAD 1983 (2011) StatePlane-  
New Mexico East (US Feet)



EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
YATES WAYFARER AIY STATE #001

**CONFIRMATION  
SAMPLE LOCATIONS MAP**

Project No. 12618105  
Date August 2023

**FIGURE 4**

# Tables

**Table 1**  
**Summary of Soil Analytical Data**  
**Yates Wayfarer AIY State #001**  
**Remediation Permit # 2RP-0054**  
**EOG Resources**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---			50	---			100	600
<b>Initial Assessment Samples</b>												
TP1-S	3/31/21	Surface	<0.00200 U	<0.00200 U	<0.00200 U	<0.00401 U	<0.00200 U **	<49.9 U **	<49.9 U	<49.9 U	<49.9 U	17.8
TP1-2	3/31/21	2	<0.00202 U	<0.00202 U	<0.00202 U	<0.00404 U	<0.00202 U **	<49.8 U **	<49.8 U	<49.8 U	<49.8 U	<5.00 U
TP1-6	3/31/21	6	<0.00201 U	<0.00201 U	<0.00201 U	<0.00402 U	<0.00201 U **	52.6	<50.0 U	<50.0 U	52.6	<5.03 U
TP2-S	3/31/21	Surface	<0.00200 U	<0.00200 U	<0.00200 U	<0.00401 U	<0.00200 U **	<49.9 U	<49.9 U	<49.9 U	<49.9 U	6.96
TP2-2	3/31/21	2	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00200 U **	<49.7 U	<49.7 U	<49.7 U	<49.7 U	15.0
TP2-4	3/31/21	4	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00199 U **	51.7	<49.9 U	<49.9 U	51.7	6.31
TP2-7	3/31/21	7	<0.00200 U	0.00207	<0.00200 U	<0.00401 U	0.00207 **	62.3	<49.8 U	<49.8 U	62.3	13.6
TP3-S	3/31/21	Surface	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00200 U **	<50.1 U	<50.1 U	<50.1 U	<50.1 U	8.51
TP3-2	3/31/21	2	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00199 U **	<50.0 U	<50.0 U	<50.0 U	<50.0 U	8.03
TP3-4	3/31/21	4	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00200 U **	<50.0 U	<50.0 U	<50.0 U	<50.0 U	<4.96 U
TP3-7	3/31/21	7	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00199 U **	<50.1 U	<50.1 U	<50.1 U	<50.1 U	6.90
TP4-S	3/31/21	Surface	<0.00201 U	<0.00201 U	<0.00201 U	<0.00401 U	<0.00201 U **	<50.0 U	<50.0 U	<50.0 U	<50.0 U	7.22
TP4-2	3/31/21	2	<0.00201 U	<0.00201 U	<0.00201 U	<0.00402 U	<0.00201 U **	<49.9 U	<49.9 U	<49.9 U	<49.9 U	25.5
TP4-4	3/31/21	4	<0.00202 U	<0.00202 U	<0.00202 U	<0.00404 U	<0.00202 U **	54.1	<49.7 U	<49.7 U	54.1	34.1
TP4-6	3/31/21	6	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00200 U **	<49.9 U	<49.9 U	<49.9 U	<49.9 U	48.6
TP4-8	3/31/21	8	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<0.00200 U **	<49.8 U	<49.8 U	<49.8 U	<49.8 U	70.7
TP4-10	3/31/21	10	<0.00198 U	<0.00198 U	<0.00198 U	<0.00396 U	<0.00198 U **	<49.9 U	<49.9 U	<49.9 U	<49.9 U	84.4
TP5-S	3/31/21	Surface	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00199 U **	<50.0 U	<50.0 U	<50.0 U	<50.0 U	10.5
TP5-2	3/31/21	2	<0.00198 U	<0.00198 U	<0.00198 U	<0.00397 U	<0.00198 U **	<50.0 U	<50.0 U	<50.0 U	<50.0 U	14.4
TP5-4	3/31/21	4	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00199 U **	<49.9 U	<49.9 U	<49.9 U	<49.9 U	14.0
TP5-6	3/31/21	6	<0.00202 U	<0.00202 U	<0.00202 U	<0.00404 U	<0.00202 U **	<49.9 U	<49.9 U	<49.9 U	<49.9 U	14.4
TP5-8	3/31/21	8	<0.00200 U	<0.00200 U	<0.00200 U	<0.00401 U	<0.00200 U **	<49.8 U	<49.8 U	<49.8 U	<49.8 U	11.1
TP6-S	3/31/21	Surface	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00200 U **	<49.7 U	<49.7 U	<49.7 U	<49.7 U	12.8
TP6-2	3/31/21	2	<0.00200 U	<0.00200 U	<0.00200 U	<0.00401 U	<0.00200 U **	<50.2 U	<50.2 U	<50.2 U	<50.2 U	25.8
TP6-4	3/31/21	4	<0.00202 U	<0.00202 U	<0.00202 U	<0.00404 U	<0.00202 U **	<50.1 U	<50.1 U	<50.1 U	<50.1 U	39.1
TP6-6	3/31/21	6	<0.00202 U	<0.00202 U	<0.00202 U	<0.00403 U	<0.00202 U **	<50.0 U	<50.0 U	<50.0 U	<50.0 U	33.8
TP6-8	3/31/21	8	<0.00201 U	<0.00201 U	<0.00201 U	<0.00402 U	<0.00201 U **	<50.0 U	<50.0 U	<50.0 U	<50.0 U	34.8
TP6-10	3/31/21	10	<0.00200 U	<0.00200 U	<0.00200 U	<0.00401 U	<0.00200 U **	<50.1 U	<50.1 U	<50.1 U	<50.1 U	30.4
TP7-S	3/31/21	Surface	<0.00199 U H F1 F2	<0.00199 U H F1 F2	<0.00199 U H F1 F2	<0.00398 U H F1 F2	<0.00199 U H F1 F2**	<49.9 U F1	<49.9 U	<49.9 U	<49.9 U	12.2
TP7-2	3/31/21	2	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00199 U **	<49.9 U	<49.9 U	<49.9 U	<49.9 U	15.4
TP7-4	3/31/21	4	<0.00200 U	<0.00200 U	<0.00200 U	<0.00401 U	<0.00200 U **	<49.9 U	<49.9 U	<49.9 U	<49.9 U	8.89
TP7-6	3/31/21	6	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00199 U **	52.9	<50.0 U	<50.0 U	52.9	10.6
TP7-8	3/31/21	8	<0.00200 U	<0.00200 U F1	<0.00200 U F1	<0.00399 U F1	<0.00200 U F1 **	53.7	<50.0 U	<50.0 U	53.7	11.4
TP7-10	3/31/21	10	<0.00200 U	<0.00200 U	<0.00200 U	<0.00401 U	<0.00200 U **	<49.9 U	<49.9 U	<49.9 U	<49.9 U	6.92
TP7N-2	2/21/22	2	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	17.9

**Table 1**  
**Summary of Soil Analytical Data**  
**Yates Wayfarer AIY State #001**  
**Remediation Permit # 2RP-0054**  
**EOG Resources**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	50	---	100	600				
TP7N-4	2/21/22	4	<0.00202 U	<0.00202 U	<0.00202 U	<0.00404 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	<5.00 U
TP7N-6	2/21/22	6	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	8.20
TP7N-8	2/21/22	8	<0.00201 U	<0.00201 U	<0.00201 U	<0.00402 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	12.3
TP7N-10	2/21/22	10	<0.00200 U	<0.00200 U	<0.00200 U	<0.00401 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	10.0
TP7S-2	2/21/22	2	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	10.2
TP7S-4	2/21/22	4	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	5.87
TP7S-6	2/21/22	6	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	5.98
TP7S-8	2/21/22	8	<0.00198 U	<0.00198 U	<0.00198 U	<0.00396 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	<4.96 U
TP7S-10	2/21/22	10	<0.00201 U	<0.00201 U	<0.00201 U	<0.00402 U	<0.00400 U	<49.8 U	<49.8 U	<49.8 U	<50.0 U	6.92
TP7E-2	2/21/22	2	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00400 U	<50.0 U F1	<50.0 U F1	<50.0 U	<50.0 U	7.12
TP7E-4	2/21/22	4	<0.00200 U	<0.00200 U	<0.00200 U	<0.00401 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	5.73
TP7E-6	2/21/22	6	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	<4.99 U
TP7E-8	2/21/22	8	<0.00198 U	<0.00198 U	<0.00198 U	<0.00396 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	<4.95 U
TP7E-10	2/21/22	10	<0.00202 U	<0.00202 U	<0.00202 U	<0.00403 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	<5.04 U
TP7W-2	2/21/22	2	<0.00200 U	<0.00200 U	<0.00200 U	<0.00401 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	<4.98 U
TP7W-4	2/21/22	4	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	<4.99 U
TP7W-6	2/21/22	6	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	<4.95 U
TP7W-8	2/21/22	8	<0.00198 U	<0.00198 U	<0.00198 U	<0.00397 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	<4.97 U
TP7W-10	2/21/22	10	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	<4.98 U
TP8-S	3/31/21	Surface	<0.00202 U	<0.00202 U	<0.00202 U	<0.00403 U	<0.00202 U **	<49.9 U	<49.9 U	<49.9 U	<49.9 U	9.71
TP8-2	3/31/21	2	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00199 U **	<49.8 U	<49.8 U	<49.8 U	<49.8 U	19.4
TP8-4	3/31/21	4	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00199 U **	<50.0 U	<50.0 U	<50.0 U	<50.0 U	13.5
TP8-6	3/31/21	6	<0.00198 U	<0.00198 U	<0.00198 U	<0.00396 U	<0.00198 U **	894	<49.9 U	<49.9 U	894	12.1
TP8-8	3/31/21	8	<0.00198 U	<0.00198 U	<0.00198 U	<0.00396 U	<0.00198 U **	<49.7 U	<49.7 U	<49.7 U	<49.7 U	43.2
TP8-10	3/31/21	10	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00200 U **	<49.9 U	<49.9 U	<49.9 U	<49.9 U	9.66
TP8N-2	2/21/22	2	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	11.9 F1
TP8N-4	2/21/22	4	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	13.9
TP8N-6	2/21/22	6	<0.00198 U	<0.00198 U	<0.00198 U	<0.00396 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	7.37
TP8N-8	2/21/22	8	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	50.8
TP8S-2	2/21/22	2	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	11.6
TP8S-4	2/21/22	4	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	<4.97 U
TP8S-6	2/21/22	6	<0.00198 U	<0.00198 U	<0.00198 U	<0.00396 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	10.2
TP8S-10	2/21/22	10	<0.00198 U	<0.00198 U	<0.00198 U	<0.00397 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	15.1
TP8E-2	2/21/22	2	<0.00198 U	<0.00198 U	<0.00198 U	<0.00396 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	11.4
TP8E-4	2/21/22	4	<0.00201 U	<0.00201 U	<0.00201 U	<0.00402 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	6.89
TP8E-6	2/21/22	6	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	<5.01 U

**Table 1**  
**Summary of Soil Analytical Data**  
**Yates Wayfarer AIY State #001**  
**Remediation Permit # 2RP-0054**  
**EOG Resources**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10	---	50	---	100	600				
TP8E-8	2/21/22	8	<0.00202 U	<0.00202 U	<0.00202 U	<0.00403 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	7.94
TP8W-2	2/21/22	2	<0.00198 U	<0.00198 U	<0.00198 U	<0.00397 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	10.5
TP8W-4	2/21/22	4	<0.00198 U	<0.00198 U	<0.00198 U	<0.00397 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	8.20
TP8W-6	2/21/22	6	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00400 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	6.57
TP8W-8	2/21/22	8	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<0.00400 U	<49.9 U	<49.9 U	<49.9 U	<50.0 U	6.53
TP9-S	3/31/21	Surface	<0.00201 U	<0.00201 U	<0.00201 U	<0.00402 U	<0.00201 U *	<50.0 U **	<50.0 U	<50.0 U	<50.0 U	14.1
TP9-2	3/31/21	2	<b>0.00205 F1</b>	<b>0.00470 F1</b>	<0.00200 U F1	<0.00399 U F1	<b>0.00675 F1</b>	<50.0 U **	<50.0 U	<50.0 U	<50.0 U	3.83
TP9-6	3/31/21	6	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<b>0.00283 *</b>	<49.9 U **	<49.9 U	<49.9 U	<49.9 U	5.28
TP10-S	3/31/21	Surface	<0.00198 U	<0.00198 U	<0.00198 U	<0.00397 U	<0.00198 U *	<49.9 U	<49.9 U	<49.9 U	<49.9 U	69.9
TP10-2	3/31/21	2	<0.00198 U	<0.00198 U	<b>0.00256</b>	<0.00397 U	<b>0.00557 *</b>	<49.7 U	<49.7 U	<49.7 U	<49.7 U	9.63
TP10-6	3/31/21	6	<0.00199 U	<0.00199 U	<0.00199 U	<0.00398 U	<0.00199 U *	<50.2 U	<50.2 U	<50.2 U	<50.2 U	<5.05 U
TP11-S	3/31/21	Surface	<0.00200 U F1	<0.00200 U F1	<0.00200 U F1	<0.00400	<0.00200 U F1 *	<49.9 U	<49.9 U	<49.9 U	<49.9 U	7.42
TP11-2	3/31/21	2	<0.00200 U	<0.00200 U	<0.00200 U	<0.00400 U	<0.00200 U *	<50.1 U	<50.1 U	<50.1 U	<50.1 U	<4.95 U
TP11-6	3/31/21	6	<0.00200 U	<0.00200 U	<0.00200 U	<0.00399 U	<0.00200 U *	<49.9 U	<49.9 U	<49.9 U	<49.9 U	<5.02 U
TP12-S	3/31/21	Surface	<0.00201 U	<0.00201 U	<0.00201 U	<0.00402 U	<0.00201 U *	<49.9 U F1 *	<49.9 U	<49.9 U	<49.9 U F1	29.7
TP12-2	3/31/21	2	<0.00201 U	<0.00201 U	<0.00201 U	<0.00402 U	<0.00201 U *	<49.9 U **	<49.9 U	<49.9 U	<49.9 U	7.72
TP12-6	3/31/21	6	<0.00200 U	<0.00200 U	<0.00200 U	<0.00401 U	<0.00200 U *	<49.9 U **	<49.9 U	<49.9 U	<49.9 U	14.1
<b>Bottom Hole Confirmation Samples</b>												
TP 7 BH1	8/10/23	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
TP8 BH1	8/10/23	9	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
<b>Sidewall Confirmation Samples</b>												
TP7 SW1	8/10/23	0-7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
TP7 SW2	8/10/23	0-7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
TP8 SW1	8/10/23	0-9	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
TP8 SW2	8/10/23	0-9	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
<b>Stockpile Samples</b>												
TP7 SP1	8/10/23	---	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
TP8 SP1	8/10/23	---	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
TP8 SP2	8/10/23	---	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

**Notes:**

1. Values reported in mg/kg
2. < = Value Less than Reporting Limit (RL)
3. Bold Indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B.
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

8. J - the target analytes was positively identified below the quantitation limit and above the detection limit.
9. --- = not defined
10. U - Indicates the analyte was analyzed for but not detected.
11. F1 = MS and/or MSD recovery exceeds control limits.
12. \*+ = LCS and/or LCSD is outside acceptance limits, high biased.
13. F2 = MS/MSD RPD exceeds control limits.

B-BH-2 Sample Point Excavated





# **Attachment A**


## **Site Characterization Documentation**

# Yates Wayfarer AIY State #001

Karst Potential Map  
32.626511 -104.022022

## Legend

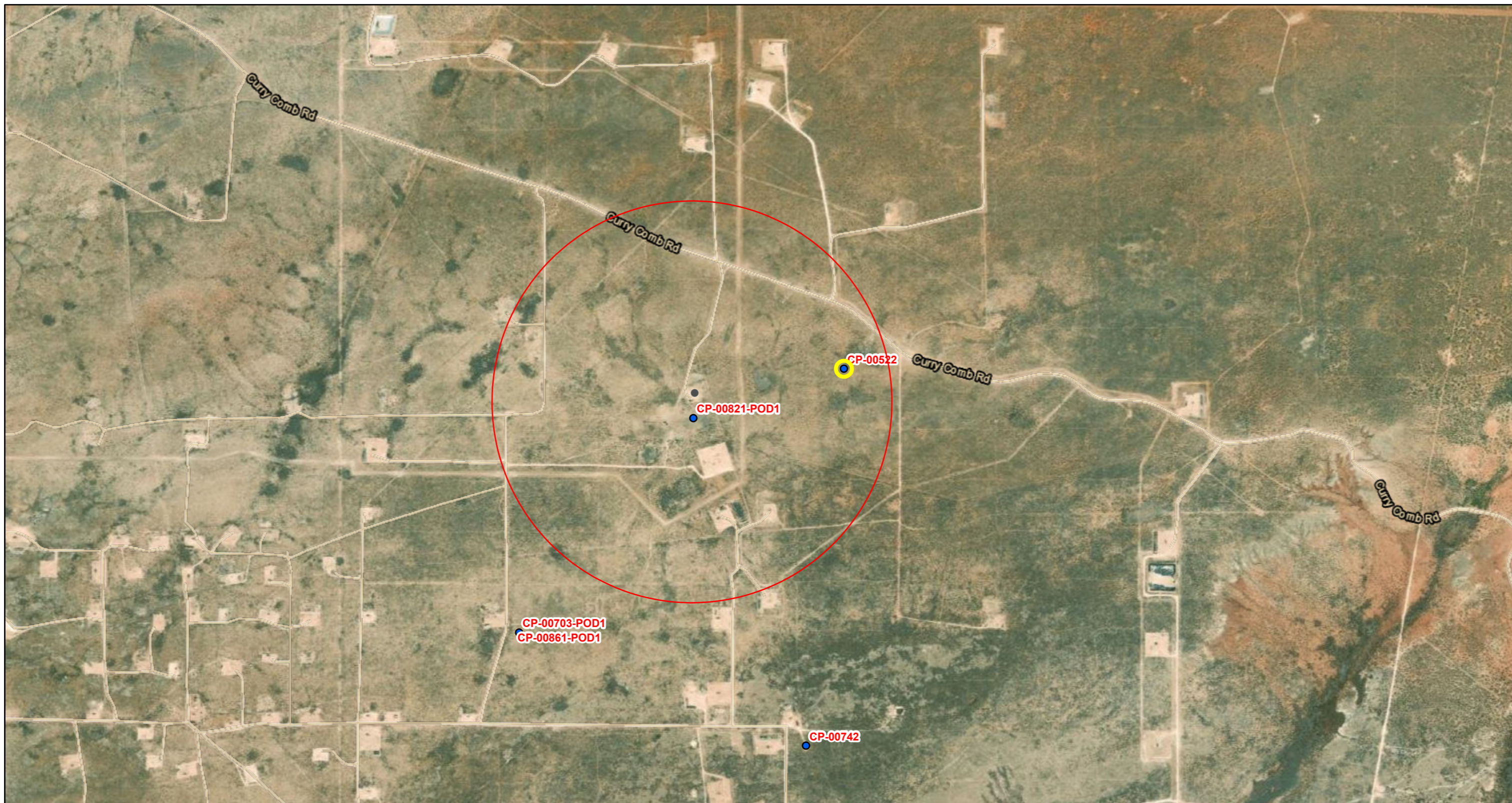
-  EOG Wayfarer AIY State #001
-  High
-  Low
-  Medium

 EOG Wayfarer AIY State #001



300 ft

# OSE POD Locations Map

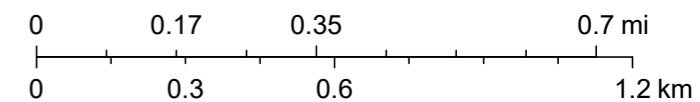


4/3/2022, 12:55:36 PM

GIS WATERS PODs

- Active
- OSE District Boundary
- SiteBoundaries

1:18,056



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, U.S. Department of Energy Office of Legacy



# 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
	CP 00821 POD1	4	4	25	19S	29E		591743	3610248*

<b>Driller License:</b> 122		<b>Driller Company:</b> UNKNOWN			
<b>Driller Name:</b>					
<b>Drill Start Date:</b>		<b>Drill Finish Date:</b>		<b>Plug Date:</b>	
<b>Log File Date:</b>		<b>PCW Rcv Date:</b>		<b>Source:</b> Shallow	
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b> 20 GPM	
<b>Casing Size:</b> 7.00		<b>Depth Well:</b> 120 feet		<b>Depth Water:</b>	

\*UTM location was derived from PLSS - see Help

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.

3/23/21 2:05 PM

POINT OF DIVERSION SUMMARY



USGS Home  
 Contact USGS  
 Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:  Geographic Area:

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#)

Groundwater levels for the Nation

\* IMPORTANT: [Next Generation Station Page](#)

**Search Results -- 1 sites found**

Agency code = usgs  
 site\_no list = 

- 323731104011801

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

**USGS 323731104011801 19S.29E.25.44332**

Eddy County, New Mexico

Latitude 32°37'31", Longitude 104°01'18" NAD27

Land-surface elevation 3,322 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

**Output formats**

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1983-01-12			D	62610	3201.55	NGVD29	1		Z	
1983-01-12			D	62611	3203.07	NAVD88	1		Z	
1983-01-12			D	72019	118.93		1		Z	
1994-03-04			D	62610	3203.52	NGVD29	1		S	
1994-03-04			D	62611	3205.04	NAVD88	1		S	
1994-03-04			D	72019	116.96		1		S	

**Explanation**

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

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

- [Questions about sites/data?](#)
- [Feedback on this web site](#)
- [Automated retrievals](#)
- [Help](#)
- [Data Tips](#)
- [Explanation of terms](#)
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**Title:** Groundwater for USA: Water Levels

**URL:** <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)




Page Last Modified: 2021-03-23 16:11:16 EDT

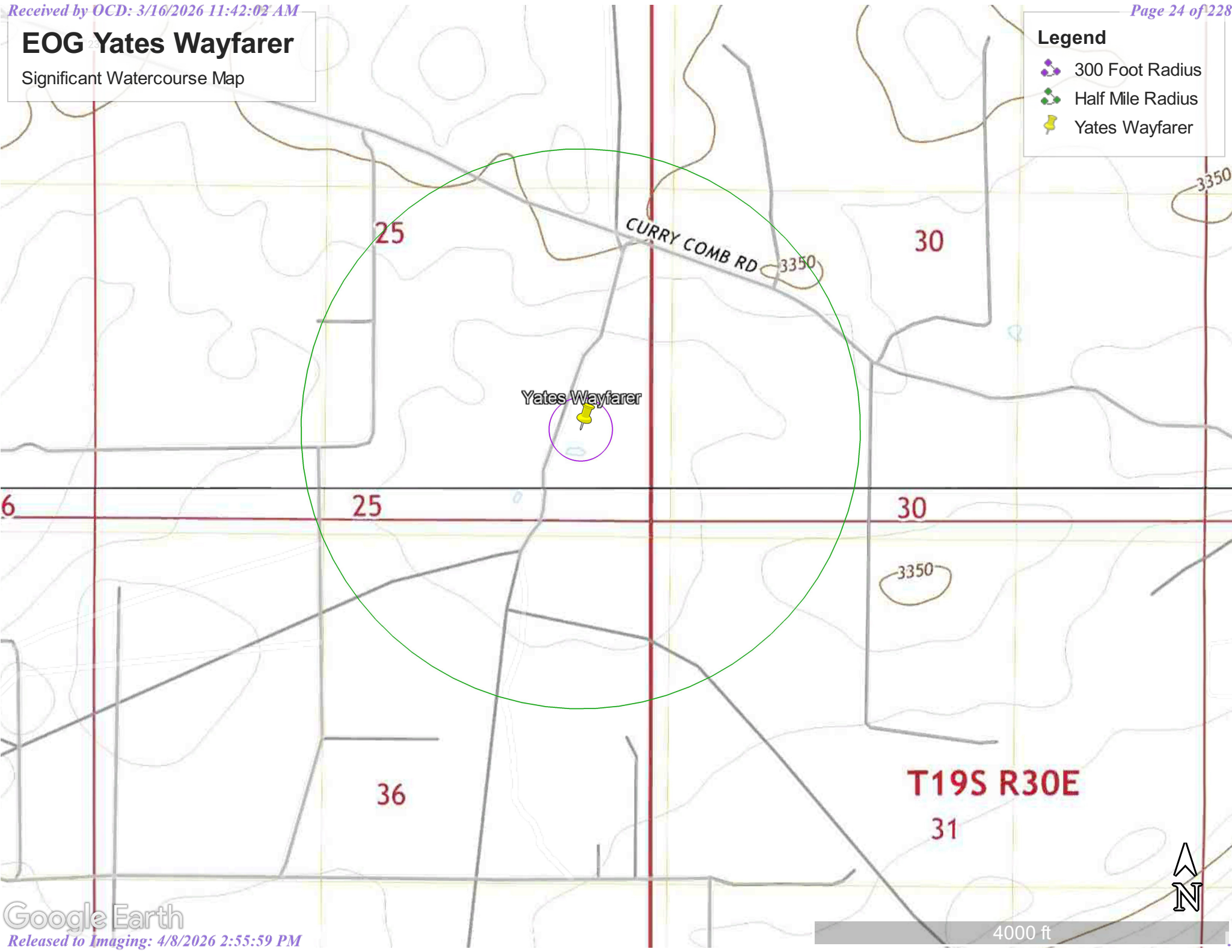
0.35 0.32 nadww01

# EOG Yates Wayfarer

Significant Watercourse Map

### Legend

-  300 Foot Radius
-  Half Mile Radius
-  Yates Wayfarer







**U.S. Fish and Wildlife Service**  
**National Wetlands Inventory**




# Yates Wayfarer AIY State #001






March 23, 2021

**Wetlands**

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

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

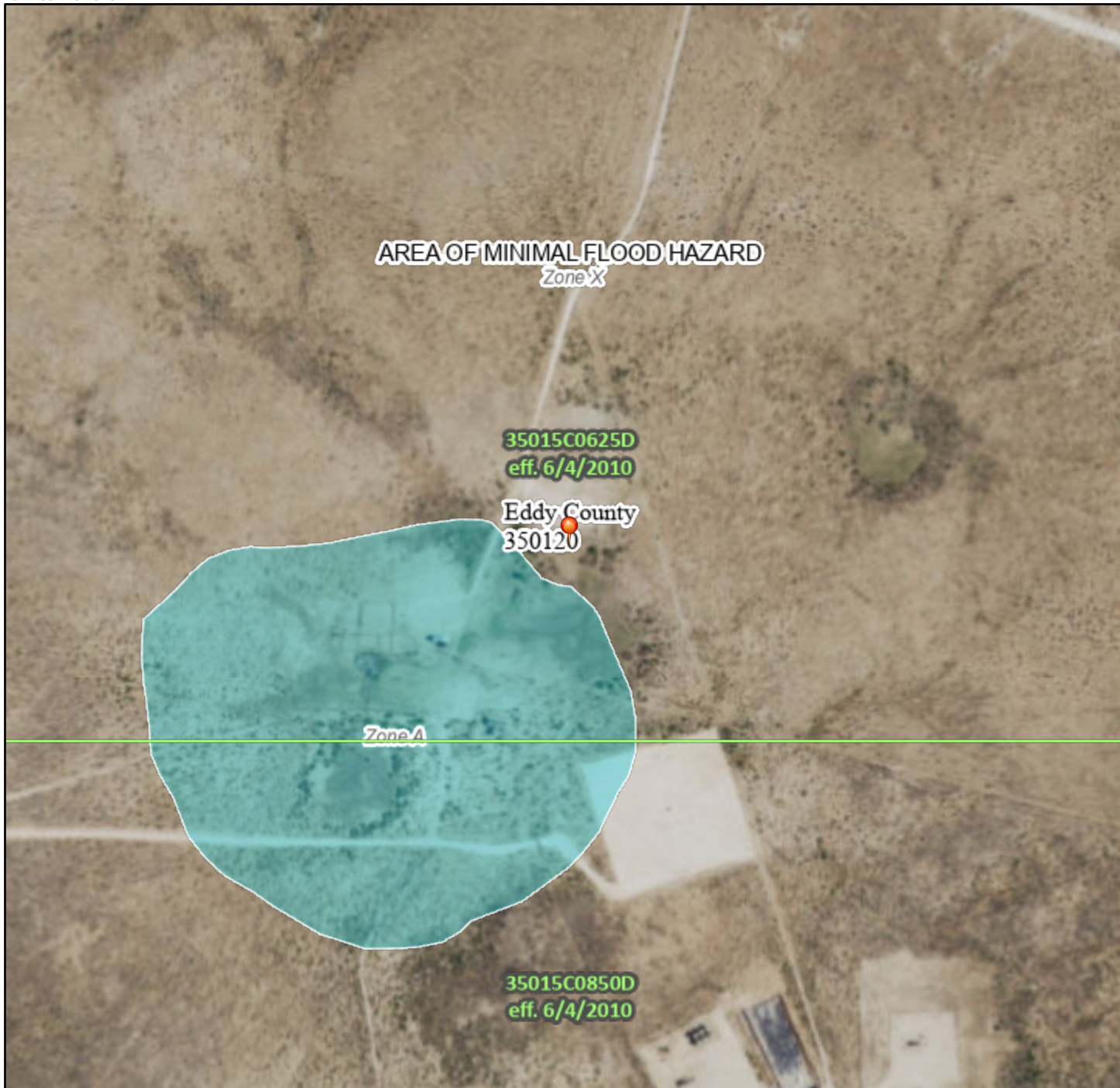
-  Lake
-  Other
-  Riverine

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

# National Flood Hazard Layer FIRMette



104°1'38"W 32°37'51"N



## Legend

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

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

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

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D

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

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

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/23/2021 at 4:00 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

# **Attachment B**

## **Laboratory Analytical Reports and Chain-of-Custody Documentation**



Environment Testing  
America

## ANALYTICAL REPORT

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

Laboratory Job ID: 890-472-1  
Laboratory Sample Delivery Group: 11224668  
Client Project/Site: Yates Wayfarer AIY State #001  
Revision: 1

For:  
GHD Services Inc.  
2135 South Loop 250 West  
Midland, Texas 79703

Attn: Becky Haskell

Authorized for release by:  
2/18/2022 11:01:54 AM

Debbie Simmons, Project Manager  
(832)986-6768  
[debbie.simmons@eurofinset.com](mailto:debbie.simmons@eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.eurofinsus.com/Env](http://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.*

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

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Laboratory Job ID: 890-472-1  
SDG: 11224668

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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## Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

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

## Glossary

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

Eurofins Carlsbad

### Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

#### Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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

## Case Narrative

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

**Job ID: 890-472-1****Laboratory: Eurofins Carlsbad****Narrative**

**Job Narrative**  
**890-472-1**

**Comments**

No additional comments.

**Revision**

The report being provided is a revision of the original report sent on 4/20/2021. The report (revision 1) is being revised due to: per Becky Haskell remove J values, report to RL.

**Receipt**

The samples were received on 4/1/2021 11:32 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 was 5.8° C.

**Receipt Exceptions**

The following samples analyzed for method <FRACTION\_METHOD> were received and analyzed from an unpreserved bulk soil jar: TP12-5 (890-472-1), TP12-2 (890-472-2), TP12-6 (890-472-3), TP9-5 (890-472-4), TP9-2 (890-472-5), TP9-6 (890-472-6), TP1-5 (890-472-7), TP1-2 (890-472-8), TP1-6 (890-472-9), TP2-5 (890-472-10), TP2-2 (890-472-11), TP2-4 (890-472-12), TP2-7 (890-472-13), TP10-5 (890-472-14), TP10-2 (890-472-15), TP10-6 (890-472-16), TP3-5 (890-472-17), TP3-2 (890-472-18), TP3-4 (890-472-19), TP3-7 (890-472-20), TP11-5 (890-472-21), TP11-2 (890-472-22), TP11-6 (890-472-23), TP5-5 (890-472-24), TP5-2 (890-472-25), TP5-4 (890-472-26), TP5-6 (890-472-27), TP5-8 (890-472-28), TP4-5 (890-472-29), TP4-2 (890-472-30), TP4-4 (890-472-31), TP4-6 (890-472-32), TP4-8 (890-472-33), TP4-10 (890-472-34), TP6-5 (890-472-35), TP6-2 (890-472-36), TP6-4 (890-472-37), TP6-6 (890-472-38), TP6-8 (890-472-39), TP6-10 (890-472-40), TP7-5 (890-472-41), TP7-2 (890-472-42), TP7-4 (890-472-43), TP7-6 (890-472-44), TP7-8 (890-472-45), TP7-10 (890-472-46), TP8-5 (890-472-47), TP8-2 (890-472-48), TP8-4 (890-472-49), TP8-6 (890-472-50), TP8-8 (890-472-51) and TP8-10 (890-472-52).  
BTEX 8021

**GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with preparation batch 880-1469 and analytical batch 880-1444 were outside control limits: (890-472-A-5-B MS) and (890-472-A-5-C MSD). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1479 and analytical batch 880-1416 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: TP11-5 (890-472-21), TP11-2 (890-472-22), TP11-6 (890-472-23), TP5-5 (890-472-24), TP5-2 (890-472-25), TP5-4 (890-472-26), TP5-6 (890-472-27), TP5-8 (890-472-28), TP4-5 (890-472-29), TP4-2 (890-472-30), TP4-4 (890-472-31), TP4-6 (890-472-32), TP4-8 (890-472-33), (890-472-A-21-D MS) and (890-472-A-21-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: TP10-2 (890-472-15). The sample(s) shows evidence of matrix interference.

Method 8021B: The method blank for preparation batch 880-1479 and analytical batch 880-1416 contained <AffectedA Benzene, Ethylbenzene and Toluene nalyte> above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction <and\_or> re-analysis of samples was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1480 and analytical batch 880-1527 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 duplicate (MSD) recoveries for preparation batch 880-1507 and analytical batch 880-1508 were outside

### Case Narrative

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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#### Job ID: 890-472-1 (Continued)

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##### Laboratory: Eurofins Carlsbad (Continued)

control limits. Non-homogeneity is 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 880-1467 and analytical batch 880-1437 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: Internal standard responses were outside of acceptance limits for the following sample: TP2-7 (890-472-13). The sample(s) shows evidence of matrix interference.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-1589 and analytical batch 880-1569 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.

##### GC Semi VOA

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

##### General Chemistry

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

##### Organic Prep

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

##### VOA Prep

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



## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP12-S

Lab Sample ID: 890-472-1

Date Collected: 03/31/21 10:10

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/08/21 10:31	04/09/21 08:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/21 10:31	04/09/21 08:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/21 10:31	04/09/21 08:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/21 10:31	04/09/21 08:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/21 10:31	04/09/21 08:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/21 10:31	04/09/21 08:37	1
Total BTEX	<0.00201	U **	0.00201		mg/Kg		04/08/21 10:31	04/09/21 08:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	04/08/21 10:31	04/09/21 08:37	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/08/21 10:31	04/09/21 08:37	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 F1 **	49.9		mg/Kg		04/05/21 15:43	04/06/21 01:40	1
Total TPH	<49.9	U F1	49.9		mg/Kg		04/05/21 15:43	04/06/21 01:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 01:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	04/05/21 15:43	04/06/21 01:40	1
o-Terphenyl	124		70 - 130	04/05/21 15:43	04/06/21 01:40	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.7		4.97		mg/Kg			04/16/21 06:42	1

Client Sample ID: TP12-2

Lab Sample ID: 890-472-2

Date Collected: 03/31/21 10:20

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/08/21 10:31	04/09/21 09:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/21 10:31	04/09/21 09:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/21 10:31	04/09/21 09:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/21 10:31	04/09/21 09:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/21 10:31	04/09/21 09:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/21 10:31	04/09/21 09:02	1
Total BTEX	<0.00201	U **	0.00201		mg/Kg		04/08/21 10:31	04/09/21 09:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	04/08/21 10:31	04/09/21 09:02	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/08/21 10:31	04/09/21 09:02	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		04/05/21 15:43	04/06/21 02:43	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 02:43	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP12-2

Lab Sample ID: 890-472-2

Date Collected: 03/31/21 10:20

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 02:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 02:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				04/05/21 15:43	04/06/21 02:43	1
o-Terphenyl	116		70 - 130				04/05/21 15:43	04/06/21 02:43	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.72		4.99		mg/Kg			04/16/21 06:48	1

Client Sample ID: TP12-6

Lab Sample ID: 890-472-3

Date Collected: 03/31/21 10:25

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/08/21 10:31	04/09/21 09:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/21 10:31	04/09/21 09:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/21 10:31	04/09/21 09:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/08/21 10:31	04/09/21 09:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/21 10:31	04/09/21 09:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/08/21 10:31	04/09/21 09:27	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/08/21 10:31	04/09/21 09:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				04/08/21 10:31	04/09/21 09:27	1
1,4-Difluorobenzene (Surr)	107		70 - 130				04/08/21 10:31	04/09/21 09:27	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		04/05/21 15:43	04/06/21 03:05	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 03:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 03:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				04/05/21 15:43	04/06/21 03:05	1
o-Terphenyl	112		70 - 130				04/05/21 15:43	04/06/21 03:05	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		4.95		mg/Kg			04/16/21 07:03	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP9-5

Lab Sample ID: 890-472-4

Date Collected: 03/31/21 10:30

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/08/21 10:31	04/09/21 11:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/08/21 10:31	04/09/21 11:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/08/21 10:31	04/09/21 11:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/08/21 10:31	04/09/21 11:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/08/21 10:31	04/09/21 11:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/08/21 10:31	04/09/21 11:11	1
Total BTEX	<0.00201	U **	0.00201		mg/Kg		04/08/21 10:31	04/09/21 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	04/08/21 10:31	04/09/21 11:11	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/08/21 10:31	04/09/21 11:11	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		04/05/21 15:43	04/06/21 03:26	1
Total TPH	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 03:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 03:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 03:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	04/05/21 15:43	04/06/21 03:26	1
o-Terphenyl	115		70 - 130	04/05/21 15:43	04/06/21 03:26	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		4.96		mg/Kg			04/16/21 07:08	1

Client Sample ID: TP9-2

Lab Sample ID: 890-472-5

Date Collected: 03/31/21 10:40

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00205	F1	0.00200		mg/Kg		04/07/21 13:52	04/08/21 03:49	1
Toluene	0.00470	F1	0.00200		mg/Kg		04/07/21 13:52	04/08/21 03:49	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		04/07/21 13:52	04/08/21 03:49	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		04/07/21 13:52	04/08/21 03:49	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		04/07/21 13:52	04/08/21 03:49	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		04/07/21 13:52	04/08/21 03:49	1
Total BTEX	0.00675	F1 **	0.00200		mg/Kg		04/07/21 13:52	04/08/21 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	04/07/21 13:52	04/08/21 03:49	1
1,4-Difluorobenzene (Surr)	84		70 - 130	04/07/21 13:52	04/08/21 03:49	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		04/05/21 15:43	04/06/21 03:47	1
Total TPH	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 03:47	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP9-2

Lab Sample ID: 890-472-5

Date Collected: 03/31/21 10:40

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 03:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 03:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				04/05/21 15:43	04/06/21 03:47	1
o-Terphenyl	113		70 - 130				04/05/21 15:43	04/06/21 03:47	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			04/16/21 07:23	1

## Client Sample ID: TP9-6

Lab Sample ID: 890-472-6

Date Collected: 03/31/21 10:45

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:52	04/08/21 04:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 04:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 04:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 13:52	04/08/21 04:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 04:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 13:52	04/08/21 04:09	1
<b>Total BTEX</b>	<b>0.00283</b>	<b>*+</b>	0.00200		mg/Kg		04/07/21 13:52	04/08/21 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				04/07/21 13:52	04/08/21 04:09	1
1,4-Difluorobenzene (Surr)	99		70 - 130				04/07/21 13:52	04/08/21 04:09	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		04/05/21 15:43	04/06/21 04:08	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 04:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 04:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				04/05/21 15:43	04/06/21 04:08	1
o-Terphenyl	112		70 - 130				04/05/21 15:43	04/06/21 04:08	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.28		4.98		mg/Kg			04/16/21 11:24	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP1-5

Lab Sample ID: 890-472-7

Date Collected: 03/31/21 10:50

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:52	04/08/21 04:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 04:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 04:30	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/07/21 13:52	04/08/21 04:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 04:30	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/07/21 13:52	04/08/21 04:30	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 13:52	04/08/21 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/07/21 13:52	04/08/21 04:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/07/21 13:52	04/08/21 04:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		04/05/21 15:43	04/06/21 04:29	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 04:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 04:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 04:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	04/05/21 15:43	04/06/21 04:29	1
o-Terphenyl	121		70 - 130	04/05/21 15:43	04/06/21 04:29	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.8		5.00		mg/Kg			04/16/21 11:29	1

Client Sample ID: TP1-2

Lab Sample ID: 890-472-8

Date Collected: 03/31/21 10:55

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/07/21 13:52	04/08/21 04:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/07/21 13:52	04/08/21 04:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/07/21 13:52	04/08/21 04:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/07/21 13:52	04/08/21 04:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/07/21 13:52	04/08/21 04:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/07/21 13:52	04/08/21 04:50	1
Total BTEX	<0.00202	U **	0.00202		mg/Kg		04/07/21 13:52	04/08/21 04:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/07/21 13:52	04/08/21 04:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/07/21 13:52	04/08/21 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		04/05/21 15:43	04/06/21 04:50	1
Total TPH	<49.8	U	49.8		mg/Kg		04/05/21 15:43	04/06/21 04:50	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP1-2

Lab Sample ID: 890-472-8

Date Collected: 03/31/21 10:55

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/05/21 15:43	04/06/21 04:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/05/21 15:43	04/06/21 04:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				04/05/21 15:43	04/06/21 04:50	1
o-Terphenyl	107		70 - 130				04/05/21 15:43	04/06/21 04:50	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/16/21 11:35	1

Client Sample ID: TP1-6

Lab Sample ID: 890-472-9

Date Collected: 03/31/21 11:00

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:52	04/08/21 05:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/07/21 13:52	04/08/21 05:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/07/21 13:52	04/08/21 05:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/07/21 13:52	04/08/21 05:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/07/21 13:52	04/08/21 05:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/07/21 13:52	04/08/21 05:11	1
Total BTEX	<0.00201	U **	0.00201		mg/Kg		04/07/21 13:52	04/08/21 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/07/21 13:52	04/08/21 05:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/07/21 13:52	04/08/21 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline Range Organics (GRO)-C6-C10</b>	<b>52.6</b>		50.0		mg/Kg		04/05/21 15:43	04/06/21 00:38	1
<b>Total TPH</b>	<b>52.6</b>		50.0		mg/Kg		04/05/21 15:43	04/06/21 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/05/21 15:43	04/06/21 00:38	1
o-Terphenyl	110		70 - 130				04/05/21 15:43	04/06/21 00:38	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.03	U	5.03		mg/Kg			04/16/21 11:40	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP2-5

Lab Sample ID: 890-472-10

Date Collected: 03/31/21 11:05

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:52	04/08/21 05:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 05:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 05:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/07/21 13:52	04/08/21 05:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 05:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/07/21 13:52	04/08/21 05:31	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 13:52	04/08/21 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	04/07/21 13:52	04/08/21 05:31	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/07/21 13:52	04/08/21 05:31	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		04/05/21 15:43	04/06/21 00:58	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 00:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 00:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	04/05/21 15:43	04/06/21 00:58	1
o-Terphenyl	119		70 - 130	04/05/21 15:43	04/06/21 00:58	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.96		5.04		mg/Kg			04/16/21 07:33	1

Client Sample ID: TP2-2

Lab Sample ID: 890-472-11

Date Collected: 03/31/21 11:10

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:52	04/08/21 05:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 05:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 05:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/07/21 13:52	04/08/21 05:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 05:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/07/21 13:52	04/08/21 05:51	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 13:52	04/08/21 05:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	04/07/21 13:52	04/08/21 05:51	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/07/21 13:52	04/08/21 05:51	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	<49.7	U	49.7		mg/Kg		04/05/21 15:43	04/06/21 01:19	1
Total TPH	<49.7	U	49.7		mg/Kg		04/05/21 15:43	04/06/21 01:19	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP2-2

Lab Sample ID: 890-472-11

Date Collected: 03/31/21 11:10

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/05/21 15:43	04/06/21 01:19	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/05/21 15:43	04/06/21 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				04/05/21 15:43	04/06/21 01:19	1
o-Terphenyl	117		70 - 130				04/05/21 15:43	04/06/21 01:19	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.0		5.01		mg/Kg			04/16/21 22:44	1

Client Sample ID: TP2-4

Lab Sample ID: 890-472-12

Date Collected: 03/31/21 11:15

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:52	04/08/21 06:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 06:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 06:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 13:52	04/08/21 06:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 06:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 13:52	04/08/21 06:12	1
Total BTEX	<0.00199	U **	0.00199		mg/Kg		04/07/21 13:52	04/08/21 06:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/07/21 13:52	04/08/21 06:12	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/07/21 13:52	04/08/21 06:12	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	51.7		49.9		mg/Kg		04/05/21 15:43	04/06/21 01:40	1
Total TPH	51.7		49.9		mg/Kg		04/05/21 15:43	04/06/21 01:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 01:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 01:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				04/05/21 15:43	04/06/21 01:40	1
o-Terphenyl	127		70 - 130				04/05/21 15:43	04/06/21 01:40	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.31		4.98		mg/Kg			04/16/21 22:59	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP2-7

Lab Sample ID: 890-472-13

Date Collected: 03/31/21 11:20

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/08/21 11:09	04/09/21 12:40	1
<b>Toluene</b>	<b>0.00207</b>		0.00200		mg/Kg		04/08/21 11:09	04/09/21 12:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/21 11:09	04/09/21 12:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/08/21 11:09	04/09/21 12:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/21 11:09	04/09/21 12:40	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/08/21 11:09	04/09/21 12:40	1
<b>Total BTEX</b>	<b>0.00207</b>	<b>+</b>	0.00200		mg/Kg		04/08/21 11:09	04/09/21 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/08/21 11:09	04/09/21 12:40	1
1,4-Difluorobenzene (Surr)	89		70 - 130	04/08/21 11:09	04/09/21 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline Range Organics (GRO)-C6-C10</b>	<b>62.3</b>		49.8		mg/Kg		04/05/21 15:43	04/06/21 02:01	1
<b>Total TPH</b>	<b>62.3</b>		49.8		mg/Kg		04/05/21 15:43	04/06/21 02:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/05/21 15:43	04/06/21 02:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/05/21 15:43	04/06/21 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	04/05/21 15:43	04/06/21 02:01	1
o-Terphenyl	122		70 - 130	04/05/21 15:43	04/06/21 02:01	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>13.6</b>		4.95		mg/Kg			04/16/21 23:04	1

Client Sample ID: TP10-5

Lab Sample ID: 890-472-14

Date Collected: 03/31/21 11:25

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:52	04/08/21 09:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:52	04/08/21 09:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:52	04/08/21 09:03	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/07/21 13:52	04/08/21 09:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:52	04/08/21 09:03	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/07/21 13:52	04/08/21 09:03	1
Total BTEX	<0.00198	U **	0.00198		mg/Kg		04/07/21 13:52	04/08/21 09:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/07/21 13:52	04/08/21 09:03	1
1,4-Difluorobenzene (Surr)	98		70 - 130	04/07/21 13:52	04/08/21 09:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline Range Organics (GRO)-C6-C10</b>	<b>&lt;49.9</b>	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 02:22	1
<b>Total TPH</b>	<b>&lt;49.9</b>	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 02:22	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP10-5

Date Collected: 03/31/21 11:25

Date Received: 04/01/21 11:32

Lab Sample ID: 890-472-14

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 02:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 15:43	04/06/21 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				04/05/21 15:43	04/06/21 02:22	1
o-Terphenyl	121		70 - 130				04/05/21 15:43	04/06/21 02:22	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.9		5.03		mg/Kg			04/16/21 23:09	1

Client Sample ID: TP10-2

Date Collected: 03/31/21 11:30

Date Received: 04/01/21 11:32

Lab Sample ID: 890-472-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:52	04/08/21 09:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:52	04/08/21 09:24	1
Ethylbenzene	0.00256		0.00198		mg/Kg		04/07/21 13:52	04/08/21 09:24	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/07/21 13:52	04/08/21 09:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:52	04/08/21 09:24	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/07/21 13:52	04/08/21 09:24	1
Total BTEX	0.00557	*+	0.00198		mg/Kg		04/07/21 13:52	04/08/21 09:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				04/07/21 13:52	04/08/21 09:24	1
1,4-Difluorobenzene (Surr)	89		70 - 130				04/07/21 13:52	04/08/21 09:24	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	<49.7	U	49.7		mg/Kg		04/05/21 15:43	04/06/21 02:43	1
Total TPH	<49.7	U	49.7		mg/Kg		04/05/21 15:43	04/06/21 02:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/05/21 15:43	04/06/21 02:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/05/21 15:43	04/06/21 02:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/05/21 15:43	04/06/21 02:43	1
o-Terphenyl	98		70 - 130				04/05/21 15:43	04/06/21 02:43	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.63		5.03		mg/Kg			04/16/21 23:14	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP10-6

Lab Sample ID: 890-472-16

Date Collected: 03/31/21 11:35

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:52	04/08/21 09:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 09:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 09:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 13:52	04/08/21 09:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 09:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 13:52	04/08/21 09:44	1
Total BTEX	<0.00199	U **	0.00199		mg/Kg		04/07/21 13:52	04/08/21 09:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/07/21 13:52	04/08/21 09:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/07/21 13:52	04/08/21 09:44	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	<50.2	U	50.2		mg/Kg		04/05/21 15:43	04/06/21 03:05	1
Total TPH	<50.2	U	50.2		mg/Kg		04/05/21 15:43	04/06/21 03:05	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/05/21 15:43	04/06/21 03:05	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/05/21 15:43	04/06/21 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/05/21 15:43	04/06/21 03:05	1
o-Terphenyl	110		70 - 130	04/05/21 15:43	04/06/21 03:05	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			04/16/21 23:30	1

Client Sample ID: TP3-5

Lab Sample ID: 890-472-17

Date Collected: 03/31/21 11:40

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:52	04/08/21 10:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 10:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 10:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/07/21 13:52	04/08/21 10:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 10:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/07/21 13:52	04/08/21 10:04	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 13:52	04/08/21 10:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	04/07/21 13:52	04/08/21 10:04	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/07/21 13:52	04/08/21 10:04	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	<50.1	U	50.1		mg/Kg		04/05/21 15:43	04/06/21 03:26	1
Total TPH	<50.1	U	50.1		mg/Kg		04/05/21 15:43	04/06/21 03:26	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP3-5

Lab Sample ID: 890-472-17

Date Collected: 03/31/21 11:40

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/05/21 15:43	04/06/21 03:26	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/05/21 15:43	04/06/21 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/05/21 15:43	04/06/21 03:26	1
o-Terphenyl	106		70 - 130				04/05/21 15:43	04/06/21 03:26	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.51		5.02		mg/Kg			04/16/21 23:35	1

Client Sample ID: TP3-2

Lab Sample ID: 890-472-18

Date Collected: 03/31/21 11:45

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:52	04/08/21 10:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 10:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 10:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 13:52	04/08/21 10:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 10:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 13:52	04/08/21 10:25	1
Total BTEX	<0.00199	U **	0.00199		mg/Kg		04/07/21 13:52	04/08/21 10:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				04/07/21 13:52	04/08/21 10:25	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/07/21 13:52	04/08/21 10:25	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		04/05/21 15:43	04/06/21 03:47	1
Total TPH	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 03:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 03:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 03:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				04/05/21 15:43	04/06/21 03:47	1
o-Terphenyl	109		70 - 130				04/05/21 15:43	04/06/21 03:47	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.03		4.98		mg/Kg			04/16/21 23:40	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP3-4

Lab Sample ID: 890-472-19

Date Collected: 03/31/21 11:50

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:52	04/08/21 10:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 10:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 10:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/07/21 13:52	04/08/21 10:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 10:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/07/21 13:52	04/08/21 10:45	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 13:52	04/08/21 10:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	04/07/21 13:52	04/08/21 10:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/07/21 13:52	04/08/21 10:45	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		04/05/21 15:43	04/06/21 04:08	1
Total TPH	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 04:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 04:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 04:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/05/21 15:43	04/06/21 04:08	1
o-Terphenyl	109		70 - 130	04/05/21 15:43	04/06/21 04:08	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			04/16/21 23:45	1

Client Sample ID: TP3-7

Lab Sample ID: 890-472-20

Date Collected: 03/31/21 11:55

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:52	04/08/21 11:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 11:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 11:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 13:52	04/08/21 11:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:52	04/08/21 11:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 13:52	04/08/21 11:06	1
Total BTEX	<0.00199	U **	0.00199		mg/Kg		04/07/21 13:52	04/08/21 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/07/21 13:52	04/08/21 11:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/07/21 13:52	04/08/21 11:06	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	<50.1	U	50.1		mg/Kg		04/05/21 15:43	04/06/21 04:29	1
Total TPH	<50.1	U	50.1		mg/Kg		04/05/21 15:43	04/06/21 04:29	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP3-7

Lab Sample ID: 890-472-20

Date Collected: 03/31/21 11:55

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/05/21 15:43	04/06/21 04:29	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/05/21 15:43	04/06/21 04:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/05/21 15:43	04/06/21 04:29	1
o-Terphenyl	110		70 - 130				04/05/21 15:43	04/06/21 04:29	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.90		4.97		mg/Kg			04/16/21 23:50	1

Client Sample ID: TP11-5

Lab Sample ID: 890-472-21

Date Collected: 03/31/21 12:00

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		04/07/21 16:26	04/08/21 01:51	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		04/07/21 16:26	04/08/21 01:51	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		04/07/21 16:26	04/08/21 01:51	1
m-Xylene & p-Xylene	<0.00400	U F1	0.00400		mg/Kg		04/07/21 16:26	04/08/21 01:51	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		04/07/21 16:26	04/08/21 01:51	1
Xylenes, Total	<0.00400	U F1	0.00400		mg/Kg		04/07/21 16:26	04/08/21 01:51	1
Total BTEX	<0.00200	U F1 **	0.00200		mg/Kg		04/07/21 16:26	04/08/21 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				04/07/21 16:26	04/08/21 01:51	1
1,4-Difluorobenzene (Surr)	71		70 - 130				04/07/21 16:26	04/08/21 01:51	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		04/05/21 16:32	04/06/21 12:52	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 12:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 12:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				04/05/21 16:32	04/06/21 12:52	1
o-Terphenyl	119		70 - 130				04/05/21 16:32	04/06/21 12:52	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.42		4.99		mg/Kg			04/16/21 23:55	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP11-2

Lab Sample ID: 890-472-22

Date Collected: 03/31/21 12:05

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 02:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 02:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 02:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 16:26	04/08/21 02:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 02:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 16:26	04/08/21 02:16	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 16:26	04/08/21 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	04/07/21 16:26	04/08/21 02:16	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	04/07/21 16:26	04/08/21 02:16	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	<50.1	U	50.1		mg/Kg		04/06/21 13:35	04/07/21 06:21	1
Total TPH	<50.1	U	50.1		mg/Kg		04/06/21 13:35	04/07/21 06:21	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/06/21 13:35	04/07/21 06:21	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/06/21 13:35	04/07/21 06:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	04/06/21 13:35	04/07/21 06:21	1
o-Terphenyl	101		70 - 130	04/06/21 13:35	04/07/21 06:21	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			04/17/21 00:11	1

Client Sample ID: TP11-6

Lab Sample ID: 890-472-23

Date Collected: 03/31/21 12:15

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 02:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 02:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 02:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/07/21 16:26	04/08/21 02:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 02:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/07/21 16:26	04/08/21 02:41	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 16:26	04/08/21 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130	04/07/21 16:26	04/08/21 02:41	1
1,4-Difluorobenzene (Surr)	78		70 - 130	04/07/21 16:26	04/08/21 02:41	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		04/05/21 16:32	04/06/21 14:19	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 14:19	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP11-6

Lab Sample ID: 890-472-23

Date Collected: 03/31/21 12:15

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 14:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				04/05/21 16:32	04/06/21 14:19	1
o-Terphenyl	115		70 - 130				04/05/21 16:32	04/06/21 14:19	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			04/17/21 00:16	1

Client Sample ID: TP5-5

Lab Sample ID: 890-472-24

Date Collected: 03/31/21 12:50

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 03:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 16:26	04/08/21 03:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 16:26	04/08/21 03:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 16:26	04/08/21 03:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 16:26	04/08/21 03:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 16:26	04/08/21 03:07	1
Total BTEX	<0.00199	U **	0.00199		mg/Kg		04/07/21 16:26	04/08/21 03:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130				04/07/21 16:26	04/08/21 03:07	1
1,4-Difluorobenzene (Surr)	74		70 - 130				04/07/21 16:26	04/08/21 03:07	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		04/05/21 16:32	04/06/21 14:41	1
Total TPH	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 14:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 14:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 14:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				04/05/21 16:32	04/06/21 14:41	1
o-Terphenyl	104		70 - 130				04/05/21 16:32	04/06/21 14:41	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		5.04		mg/Kg			04/17/21 00:31	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP5-2

Lab Sample ID: 890-472-25

Date Collected: 03/31/21 13:00

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/07/21 16:26	04/08/21 03:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/07/21 16:26	04/08/21 03:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/07/21 16:26	04/08/21 03:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/07/21 16:26	04/08/21 03:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/07/21 16:26	04/08/21 03:32	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/07/21 16:26	04/08/21 03:32	1
Total BTEX	<0.00198	U **	0.00198		mg/Kg		04/07/21 16:26	04/08/21 03:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	04/07/21 16:26	04/08/21 03:32	1
1,4-Difluorobenzene (Surr)	79		70 - 130	04/07/21 16:26	04/08/21 03:32	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		04/05/21 16:32	04/06/21 15:02	1
Total TPH	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 15:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 15:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	04/05/21 16:32	04/06/21 15:02	1
o-Terphenyl	103		70 - 130	04/05/21 16:32	04/06/21 15:02	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.4		5.04		mg/Kg			04/17/21 00:36	1

Client Sample ID: TP5-4

Lab Sample ID: 890-472-26

Date Collected: 03/31/21 13:05

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 03:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 16:26	04/08/21 03:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 16:26	04/08/21 03:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 16:26	04/08/21 03:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 16:26	04/08/21 03:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 16:26	04/08/21 03:57	1
Total BTEX	<0.00199	U **	0.00199		mg/Kg		04/07/21 16:26	04/08/21 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	04/07/21 16:26	04/08/21 03:57	1
1,4-Difluorobenzene (Surr)	73		70 - 130	04/07/21 16:26	04/08/21 03:57	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		04/05/21 16:32	04/06/21 15:24	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 15:24	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP5-4

Date Collected: 03/31/21 13:05

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-26

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 15:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				04/05/21 16:32	04/06/21 15:24	1
o-Terphenyl	117		70 - 130				04/05/21 16:32	04/06/21 15:24	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.0		4.97		mg/Kg			04/17/21 00:41	1

## Client Sample ID: TP5-6

Date Collected: 03/31/21 13:10

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-27

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 04:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 04:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 04:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/07/21 16:26	04/08/21 04:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 04:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/07/21 16:26	04/08/21 04:23	1
Total BTEX	<0.00202	U **	0.00202		mg/Kg		04/07/21 16:26	04/08/21 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				04/07/21 16:26	04/08/21 04:23	1
1,4-Difluorobenzene (Surr)	87		70 - 130				04/07/21 16:26	04/08/21 04:23	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		04/05/21 16:32	04/06/21 15:45	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 15:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 15:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				04/05/21 16:32	04/06/21 15:45	1
o-Terphenyl	104		70 - 130				04/05/21 16:32	04/06/21 15:45	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.4		4.95		mg/Kg			04/17/21 00:46	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP5-8

Lab Sample ID: 890-472-28

Date Collected: 03/31/21 13:15

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 04:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 04:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 04:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/07/21 16:26	04/08/21 04:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 04:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/07/21 16:26	04/08/21 04:48	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 16:26	04/08/21 04:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	04/07/21 16:26	04/08/21 04:48	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/07/21 16:26	04/08/21 04:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/05/21 16:32	04/06/21 16:06	1
Total TPH	<49.8	U	49.8		mg/Kg		04/05/21 16:32	04/06/21 16:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/05/21 16:32	04/06/21 16:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/05/21 16:32	04/06/21 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/05/21 16:32	04/06/21 16:06	1
o-Terphenyl	111		70 - 130	04/05/21 16:32	04/06/21 16:06	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.1		5.03		mg/Kg			04/17/21 00:51	1

Client Sample ID: TP4-5

Lab Sample ID: 890-472-29

Date Collected: 03/31/21 13:20

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 05:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/07/21 16:26	04/08/21 05:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/07/21 16:26	04/08/21 05:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/07/21 16:26	04/08/21 05:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/07/21 16:26	04/08/21 05:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/07/21 16:26	04/08/21 05:13	1
Total BTEX	<0.00201	U **	0.00201		mg/Kg		04/07/21 16:26	04/08/21 05:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/07/21 16:26	04/08/21 05:13	1
1,4-Difluorobenzene (Surr)	78		70 - 130	04/07/21 16:26	04/08/21 05:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 16:27	1
Total TPH	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 16:27	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP4-5

Lab Sample ID: 890-472-29

Date Collected: 03/31/21 13:20

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 16:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/05/21 16:32	04/06/21 16:27	1
o-Terphenyl	108		70 - 130				04/05/21 16:32	04/06/21 16:27	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.22		5.01		mg/Kg			04/17/21 00:56	1

Client Sample ID: TP4-2

Lab Sample ID: 890-472-30

Date Collected: 03/31/21 13:25

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 05:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/07/21 16:26	04/08/21 05:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/07/21 16:26	04/08/21 05:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/07/21 16:26	04/08/21 05:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/07/21 16:26	04/08/21 05:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/07/21 16:26	04/08/21 05:39	1
Total BTEX	<0.00201	U **	0.00201		mg/Kg		04/07/21 16:26	04/08/21 05:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				04/07/21 16:26	04/08/21 05:39	1
1,4-Difluorobenzene (Surr)	84		70 - 130				04/07/21 16:26	04/08/21 05:39	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		04/05/21 16:32	04/06/21 16:49	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 16:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 16:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				04/05/21 16:32	04/06/21 16:49	1
o-Terphenyl	107		70 - 130				04/05/21 16:32	04/06/21 16:49	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.5		5.05		mg/Kg			04/17/21 01:01	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP4-4

Lab Sample ID: 890-472-31

Date Collected: 03/31/21 13:30

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 07:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 07:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 07:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/07/21 16:26	04/08/21 07:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 07:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/07/21 16:26	04/08/21 07:20	1
Total BTEX	<0.00202	U **	0.00202		mg/Kg		04/07/21 16:26	04/08/21 07:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	0.001	S1-	70 - 130	04/07/21 16:26	04/08/21 07:20	1
1,4-Difluorobenzene (Surr)	80		70 - 130	04/07/21 16:26	04/08/21 07:20	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	54.1		49.7		mg/Kg		04/05/21 16:32	04/06/21 17:31	1
Total TPH	54.1		49.7		mg/Kg		04/05/21 16:32	04/06/21 17:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/05/21 16:32	04/06/21 17:31	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/05/21 16:32	04/06/21 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	04/05/21 16:32	04/06/21 17:31	1
o-Terphenyl	124		70 - 130	04/05/21 16:32	04/06/21 17:31	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.1		4.98		mg/Kg			04/18/21 12:35	1

Client Sample ID: TP4-6

Lab Sample ID: 890-472-32

Date Collected: 03/31/21 13:35

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 07:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 07:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 07:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/07/21 16:26	04/08/21 07:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 07:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/07/21 16:26	04/08/21 07:45	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 16:26	04/08/21 07:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/07/21 16:26	04/08/21 07:45	1
1,4-Difluorobenzene (Surr)	87		70 - 130	04/07/21 16:26	04/08/21 07:45	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		04/05/21 16:32	04/06/21 17:53	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 17:53	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP4-6

Lab Sample ID: 890-472-32

Date Collected: 03/31/21 13:35

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 17:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 17:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				04/05/21 16:32	04/06/21 17:53	1
o-Terphenyl	97		70 - 130				04/05/21 16:32	04/06/21 17:53	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.6		5.04		mg/Kg			04/18/21 12:50	1

Client Sample ID: TP4-8

Lab Sample ID: 890-472-33

Date Collected: 03/31/21 13:40

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 08:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 08:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 08:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 16:26	04/08/21 08:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 08:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 16:26	04/08/21 08:10	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 16:26	04/08/21 08:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				04/07/21 16:26	04/08/21 08:10	1
1,4-Difluorobenzene (Surr)	98		70 - 130				04/07/21 16:26	04/08/21 08:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/05/21 16:32	04/06/21 18:14	1
Total TPH	<49.8	U	49.8		mg/Kg		04/05/21 16:32	04/06/21 18:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/05/21 16:32	04/06/21 18:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/05/21 16:32	04/06/21 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				04/05/21 16:32	04/06/21 18:14	1
o-Terphenyl	118		70 - 130				04/05/21 16:32	04/06/21 18:14	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.7		4.97		mg/Kg			04/18/21 12:55	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP4-10

Lab Sample ID: 890-472-34

Date Collected: 03/31/21 13:45

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/07/21 16:26	04/08/21 08:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/07/21 16:26	04/08/21 08:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/07/21 16:26	04/08/21 08:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/07/21 16:26	04/08/21 08:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/07/21 16:26	04/08/21 08:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/07/21 16:26	04/08/21 08:35	1
Total BTEX	<0.00198	U **	0.00198		mg/Kg		04/07/21 16:26	04/08/21 08:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	04/07/21 16:26	04/08/21 08:35	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/07/21 16:26	04/08/21 08:35	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		04/05/21 16:32	04/06/21 18:35	1
Total TPH	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 18:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 18:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/05/21 16:32	04/06/21 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	04/05/21 16:32	04/06/21 18:35	1
o-Terphenyl	111		70 - 130	04/05/21 16:32	04/06/21 18:35	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.4		4.95		mg/Kg			04/18/21 13:10	1

Client Sample ID: TP6-5

Lab Sample ID: 890-472-35

Date Collected: 03/31/21 13:50

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 09:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 09:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 09:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/07/21 16:26	04/08/21 09:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 09:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/07/21 16:26	04/08/21 09:00	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 16:26	04/08/21 09:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	04/07/21 16:26	04/08/21 09:00	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/07/21 16:26	04/08/21 09:00	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	<49.7	U	49.7		mg/Kg		04/05/21 16:32	04/06/21 18:56	1
Total TPH	<49.7	U	49.7		mg/Kg		04/05/21 16:32	04/06/21 18:56	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP6-5

Date Collected: 03/31/21 13:50

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-35

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/05/21 16:32	04/06/21 18:56	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/05/21 16:32	04/06/21 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				04/05/21 16:32	04/06/21 18:56	1
o-Terphenyl	104		70 - 130				04/05/21 16:32	04/06/21 18:56	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.8		5.05		mg/Kg			04/18/21 13:16	1

## Client Sample ID: TP6-2

Date Collected: 03/31/21 13:55

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-36

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 10:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 10:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 10:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/07/21 16:26	04/08/21 10:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 10:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/07/21 16:26	04/08/21 10:05	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 16:26	04/08/21 10:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				04/07/21 16:26	04/08/21 10:05	1
1,4-Difluorobenzene (Surr)	99		70 - 130				04/07/21 16:26	04/08/21 10:05	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	<50.2	U	50.2		mg/Kg		04/05/21 16:32	04/06/21 19:18	1
Total TPH	<50.2	U	50.2		mg/Kg		04/05/21 16:32	04/06/21 19:18	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/05/21 16:32	04/06/21 19:18	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/05/21 16:32	04/06/21 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				04/05/21 16:32	04/06/21 19:18	1
o-Terphenyl	93		70 - 130				04/05/21 16:32	04/06/21 19:18	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.8		5.05		mg/Kg			04/18/21 13:21	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP6-4

Lab Sample ID: 890-472-37

Date Collected: 03/31/21 14:00

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 10:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 10:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 10:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/07/21 16:26	04/08/21 10:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 10:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/07/21 16:26	04/08/21 10:30	1
Total BTEX	<0.00202	U **	0.00202		mg/Kg		04/07/21 16:26	04/08/21 10:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	04/07/21 16:26	04/08/21 10:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/07/21 16:26	04/08/21 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/05/21 16:32	04/06/21 19:39	1
Total TPH	<50.1	U	50.1		mg/Kg		04/05/21 16:32	04/06/21 19:39	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/05/21 16:32	04/06/21 19:39	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/05/21 16:32	04/06/21 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/05/21 16:32	04/06/21 19:39	1
o-Terphenyl	100		70 - 130	04/05/21 16:32	04/06/21 19:39	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.1		4.98		mg/Kg			04/18/21 13:26	1

Client Sample ID: TP6-6

Lab Sample ID: 890-472-38

Date Collected: 03/31/21 14:05

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 10:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 10:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 10:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/07/21 16:26	04/08/21 10:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/07/21 16:26	04/08/21 10:55	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/07/21 16:26	04/08/21 10:55	1
Total BTEX	<0.00202	U **	0.00202		mg/Kg		04/07/21 16:26	04/08/21 10:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	04/07/21 16:26	04/08/21 10:55	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/07/21 16:26	04/08/21 10:55	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		04/05/21 16:32	04/06/21 20:01	1
Total TPH	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 20:01	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP6-6

Lab Sample ID: 890-472-38

Date Collected: 03/31/21 14:05

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 20:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 20:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				04/05/21 16:32	04/06/21 20:01	1
o-Terphenyl	114		70 - 130				04/05/21 16:32	04/06/21 20:01	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.8		5.00		mg/Kg			04/18/21 13:31	1

Client Sample ID: TP6-8

Lab Sample ID: 890-472-39

Date Collected: 03/31/21 14:10

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 11:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/07/21 16:26	04/08/21 11:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/07/21 16:26	04/08/21 11:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/07/21 16:26	04/08/21 11:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/07/21 16:26	04/08/21 11:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/07/21 16:26	04/08/21 11:19	1
Total BTEX	<0.00201	U **	0.00201		mg/Kg		04/07/21 16:26	04/08/21 11:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				04/07/21 16:26	04/08/21 11:19	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/07/21 16:26	04/08/21 11:19	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		04/05/21 16:32	04/06/21 20:23	1
Total TPH	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 20:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 20:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				04/05/21 16:32	04/06/21 20:23	1
o-Terphenyl	111		70 - 130				04/05/21 16:32	04/06/21 20:23	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.8		5.00		mg/Kg			04/18/21 13:36	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP6-10

Lab Sample ID: 890-472-40

Date Collected: 03/31/21 14:15

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 16:26	04/08/21 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 11:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/07/21 16:26	04/08/21 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 11:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/07/21 16:26	04/08/21 11:44	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 16:26	04/08/21 11:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	04/07/21 16:26	04/08/21 11:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/07/21 16:26	04/08/21 11:44	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	<50.1	U	50.1		mg/Kg		04/05/21 16:32	04/06/21 20:44	1
Total TPH	<50.1	U	50.1		mg/Kg		04/05/21 16:32	04/06/21 20:44	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/05/21 16:32	04/06/21 20:44	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/05/21 16:32	04/06/21 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	04/05/21 16:32	04/06/21 20:44	1
o-Terphenyl	114		70 - 130	04/05/21 16:32	04/06/21 20:44	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.4		4.96		mg/Kg			04/18/21 13:41	1

Client Sample ID: TP7-5

Lab Sample ID: 890-472-41

Date Collected: 03/31/21 14:30

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U H F1 F2	0.00199		mg/Kg		04/08/21 15:00	04/09/21 03:06	1
Toluene	<0.00199	U H F1 F2	0.00199		mg/Kg		04/08/21 15:00	04/09/21 03:06	1
Ethylbenzene	<0.00199	U H F1 F2	0.00199		mg/Kg		04/08/21 15:00	04/09/21 03:06	1
m-Xylene & p-Xylene	<0.00398	U H F1 F2	0.00398		mg/Kg		04/08/21 15:00	04/09/21 03:06	1
o-Xylene	<0.00199	U H F1 F2	0.00199		mg/Kg		04/08/21 15:00	04/09/21 03:06	1
Xylenes, Total	<0.00398	U H F1 F2	0.00398		mg/Kg		04/08/21 15:00	04/09/21 03:06	1
Total BTEX	<0.00199	U H F1 F2 *	0.00199		mg/Kg		04/08/21 15:00	04/09/21 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	04/08/21 15:00	04/09/21 03:06	1
1,4-Difluorobenzene (Surr)	98		70 - 130	04/08/21 15:00	04/09/21 03:06	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 F1	49.9		mg/Kg		04/06/21 08:58	04/06/21 12:52	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP7-5

Date Collected: 03/31/21 14:30

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-41

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 12:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 12:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				04/06/21 08:58	04/06/21 12:52	1
o-Terphenyl	84		70 - 130				04/06/21 08:58	04/06/21 12:52	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2		4.95		mg/Kg			04/17/21 23:55	1

## Client Sample ID: TP7-2

Date Collected: 03/31/21 14:35

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-42

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/08/21 15:00	04/09/21 03:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/21 15:00	04/09/21 03:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/21 15:00	04/09/21 03:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/21 15:00	04/09/21 03:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/21 15:00	04/09/21 03:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/21 15:00	04/09/21 03:26	1
Total BTEX	<0.00199	U **	0.00199		mg/Kg		04/08/21 15:00	04/09/21 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				04/08/21 15:00	04/09/21 03:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130				04/08/21 15:00	04/09/21 03:26	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		04/06/21 08:58	04/06/21 13:58	1
Total TPH	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 13:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 13:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/06/21 08:58	04/06/21 13:58	1
o-Terphenyl	88		70 - 130				04/06/21 08:58	04/06/21 13:58	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		4.96		mg/Kg			04/18/21 00:00	1

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### Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

**Client Sample ID: TP7-4**  
**Date Collected: 03/31/21 14:40**  
**Date Received: 04/01/21 11:32**

**Lab Sample ID: 890-472-43**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 03:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 03:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 03:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/08/21 15:00	04/09/21 03:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 03:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/08/21 15:00	04/09/21 03:47	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/08/21 15:00	04/09/21 03:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	04/08/21 15:00	04/09/21 03:47	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/08/21 15:00	04/09/21 03:47	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		04/06/21 08:58	04/06/21 14:19	1
Total TPH	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 14:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 14:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	04/06/21 08:58	04/06/21 14:19	1
o-Terphenyl	89		70 - 130	04/06/21 08:58	04/06/21 14:19	1

**Method: 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.89		4.98		mg/Kg			04/18/21 00:15	1

**Client Sample ID: TP7-6**  
**Date Collected: 03/31/21 14:45**  
**Date Received: 04/01/21 11:32**

**Lab Sample ID: 890-472-44**  
**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/08/21 15:00	04/09/21 04:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/08/21 15:00	04/09/21 04:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/08/21 15:00	04/09/21 04:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/08/21 15:00	04/09/21 04:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/08/21 15:00	04/09/21 04:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/08/21 15:00	04/09/21 04:07	1
Total BTEX	<0.00199	U **	0.00199		mg/Kg		04/08/21 15:00	04/09/21 04:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	04/08/21 15:00	04/09/21 04:07	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/08/21 15:00	04/09/21 04:07	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	52.9		50.0		mg/Kg		04/06/21 08:58	04/06/21 14:41	1
Total TPH	52.9		50.0		mg/Kg		04/06/21 08:58	04/06/21 14:41	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP7-6

Lab Sample ID: 890-472-44

Date Collected: 03/31/21 14:45

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/06/21 08:58	04/06/21 14:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/06/21 08:58	04/06/21 14:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/06/21 08:58	04/06/21 14:41	1
o-Terphenyl	87		70 - 130				04/06/21 08:58	04/06/21 14:41	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		4.98		mg/Kg			04/18/21 00:21	1

Client Sample ID: TP7-8

Lab Sample ID: 890-472-45

Date Collected: 03/31/21 14:50

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:33	04/08/21 16:54	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		04/07/21 13:33	04/08/21 16:54	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		04/07/21 13:33	04/08/21 16:54	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		04/07/21 13:33	04/08/21 16:54	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		04/07/21 13:33	04/08/21 16:54	1
Xylenes, Total	<0.00399	U F1	0.00399		mg/Kg		04/07/21 13:33	04/08/21 16:54	1
Total BTEX	<0.00200	U F1 **	0.00200		mg/Kg		04/07/21 13:33	04/08/21 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				04/07/21 13:33	04/08/21 16:54	1
1,4-Difluorobenzene (Surr)	103		70 - 130				04/07/21 13:33	04/08/21 16:54	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	837		50.0		mg/Kg		04/06/21 08:58	04/06/21 15:02	1
Total TPH	837		50.0		mg/Kg		04/06/21 08:58	04/06/21 15:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/06/21 08:58	04/06/21 15:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/06/21 08:58	04/06/21 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/06/21 08:58	04/06/21 15:02	1
o-Terphenyl	86		70 - 130				04/06/21 08:58	04/06/21 15:02	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		4.98		mg/Kg			04/18/21 00:26	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP7-10

Lab Sample ID: 890-472-46

Date Collected: 03/31/21 14:55

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:33	04/08/21 17:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:33	04/08/21 17:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:33	04/08/21 17:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/07/21 13:33	04/08/21 17:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:33	04/08/21 17:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/07/21 13:33	04/08/21 17:15	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 13:33	04/08/21 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/07/21 13:33	04/08/21 17:15	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/07/21 13:33	04/08/21 17:15	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		04/06/21 08:58	04/06/21 15:24	1
Total TPH	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 15:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 15:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	04/06/21 08:58	04/06/21 15:24	1
o-Terphenyl	90		70 - 130	04/06/21 08:58	04/06/21 15:24	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.92		4.99		mg/Kg			04/18/21 00:31	1

Client Sample ID: TP8-5

Lab Sample ID: 890-472-47

Date Collected: 03/31/21 15:00

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/07/21 13:33	04/08/21 17:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/07/21 13:33	04/08/21 17:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/07/21 13:33	04/08/21 17:35	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/07/21 13:33	04/08/21 17:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/07/21 13:33	04/08/21 17:35	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/07/21 13:33	04/08/21 17:35	1
Total BTEX	<0.00202	U **	0.00202		mg/Kg		04/07/21 13:33	04/08/21 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/07/21 13:33	04/08/21 17:35	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/07/21 13:33	04/08/21 17:35	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		04/06/21 08:58	04/06/21 15:45	1
Total TPH	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 15:45	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP8-5

Lab Sample ID: 890-472-47

Date Collected: 03/31/21 15:00

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 15:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				04/06/21 08:58	04/06/21 15:45	1
o-Terphenyl	86		70 - 130				04/06/21 08:58	04/06/21 15:45	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.71		5.00		mg/Kg			04/18/21 00:36	1

Client Sample ID: TP8-2

Lab Sample ID: 890-472-48

Date Collected: 03/31/21 15:05

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:33	04/08/21 17:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:33	04/08/21 17:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:33	04/08/21 17:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 13:33	04/08/21 17:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:33	04/08/21 17:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 13:33	04/08/21 17:56	1
Total BTEX	<0.00199	U **	0.00199		mg/Kg		04/07/21 13:33	04/08/21 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				04/07/21 13:33	04/08/21 17:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/07/21 13:33	04/08/21 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/06/21 08:58	04/06/21 16:06	1
Total TPH	<49.8	U	49.8		mg/Kg		04/06/21 08:58	04/06/21 16:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/06/21 08:58	04/06/21 16:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/06/21 08:58	04/06/21 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				04/06/21 08:58	04/06/21 16:06	1
o-Terphenyl	91		70 - 130				04/06/21 08:58	04/06/21 16:06	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.4		5.01		mg/Kg			04/18/21 00:41	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP8-4

Lab Sample ID: 890-472-49

Date Collected: 03/31/21 15:10

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:33	04/08/21 18:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:33	04/08/21 18:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:33	04/08/21 18:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 13:33	04/08/21 18:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 13:33	04/08/21 18:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 13:33	04/08/21 18:16	1
Total BTEX	<0.00199	U **	0.00199		mg/Kg		04/07/21 13:33	04/08/21 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/07/21 13:33	04/08/21 18:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/07/21 13:33	04/08/21 18:16	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		04/06/21 08:58	04/06/21 16:27	1
Total TPH	<50.0	U	50.0		mg/Kg		04/06/21 08:58	04/06/21 16:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/06/21 08:58	04/06/21 16:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/06/21 08:58	04/06/21 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	04/06/21 08:58	04/06/21 16:27	1
o-Terphenyl	90		70 - 130	04/06/21 08:58	04/06/21 16:27	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.5		5.03		mg/Kg			04/18/21 00:46	1

Client Sample ID: TP8-6

Lab Sample ID: 890-472-50

Date Collected: 03/31/21 15:15

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:33	04/08/21 18:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:33	04/08/21 18:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:33	04/08/21 18:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/07/21 13:33	04/08/21 18:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:33	04/08/21 18:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/07/21 13:33	04/08/21 18:37	1
Total BTEX	<0.00198	U **	0.00198		mg/Kg		04/07/21 13:33	04/08/21 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	04/07/21 13:33	04/08/21 18:37	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/07/21 13:33	04/08/21 18:37	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	894		49.9		mg/Kg		04/06/21 08:58	04/06/21 16:49	1
Total TPH	894		49.9		mg/Kg		04/06/21 08:58	04/06/21 16:49	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP8-6

Lab Sample ID: 890-472-50

Date Collected: 03/31/21 15:15

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 16:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				04/06/21 08:58	04/06/21 16:49	1
o-Terphenyl	108		70 - 130				04/06/21 08:58	04/06/21 16:49	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<25.0	U F1	25.0		mg/Kg			04/13/21 18:18	5

Client Sample ID: TP8-8

Lab Sample ID: 890-472-51

Date Collected: 03/31/21 15:20

Matrix: Solid

Date Received: 04/01/21 11:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:33	04/08/21 18:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:33	04/08/21 18:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:33	04/08/21 18:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/07/21 13:33	04/08/21 18:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/07/21 13:33	04/08/21 18:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/07/21 13:33	04/08/21 18:57	1
Total BTEX	<0.00198	U **	0.00198		mg/Kg		04/07/21 13:33	04/08/21 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				04/07/21 13:33	04/08/21 18:57	1
1,4-Difluorobenzene (Surr)	103		70 - 130				04/07/21 13:33	04/08/21 18:57	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	<49.7	U	49.7		mg/Kg		04/06/21 08:58	04/06/21 17:31	1
Total TPH	<49.7	U	49.7		mg/Kg		04/06/21 08:58	04/06/21 17:31	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/06/21 08:58	04/06/21 17:31	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/06/21 08:58	04/06/21 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/06/21 08:58	04/06/21 17:31	1
o-Terphenyl	94		70 - 130				04/06/21 08:58	04/06/21 17:31	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.2		5.05		mg/Kg			04/14/21 09:10	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP8-10

Lab Sample ID: 890-472-52

Date Collected: 03/31/21 15:25

Matrix: Solid

Date Received: 04/01/21 11:32

## 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		04/07/21 13:33	04/08/21 19:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:33	04/08/21 19:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:33	04/08/21 19:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/07/21 13:33	04/08/21 19:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:33	04/08/21 19:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/07/21 13:33	04/08/21 19:17	1
Total BTEX	<0.00200	U **	0.00200		mg/Kg		04/07/21 13:33	04/08/21 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	04/07/21 13:33	04/08/21 19:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/07/21 13:33	04/08/21 19:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline Range Organics (GRO)-C6-C10</b>	<b>64.0</b>		49.9		mg/Kg		04/06/21 08:58	04/06/21 17:53	1
<b>Total TPH</b>	<b>64.0</b>		49.9		mg/Kg		04/06/21 08:58	04/06/21 17:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 17:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/06/21 08:58	04/06/21 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	04/06/21 08:58	04/06/21 17:53	1
o-Terphenyl	91		70 - 130	04/06/21 08:58	04/06/21 17:53	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>9.66</b>		5.02		mg/Kg			04/14/21 09:16	1

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## Surrogate Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-472-1	TP12-5	120	105
890-472-2	TP12-2	123	104
890-472-3	TP12-6	126	107
890-472-4	TP9-5	119	93
890-472-4 MS	TP9-5	121	109
890-472-4 MSD	TP9-5	119	108
890-472-5	TP9-2	89	84
890-472-5 MS	TP9-2	109	99
890-472-5 MSD	TP9-2	105	98
890-472-6	TP9-6	108	99
890-472-7	TP1-5	109	97
890-472-8	TP1-2	114	100
890-472-9	TP1-6	114	100
890-472-10	TP2-5	121	103
890-472-11	TP2-2	119	101
890-472-12	TP2-4	114	101
890-472-13	TP2-7	116	89
890-472-13 MS	TP2-7	91	100
890-472-14	TP10-5	111	98
890-472-15	TP10-2	139 S1+	89
890-472-16	TP10-6	112	101
890-472-17	TP3-5	115	101
890-472-18	TP3-2	113	101
890-472-19	TP3-4	119	102
890-472-20	TP3-7	114	100
890-472-21	TP11-5	135 S1+	71
890-472-21 MS	TP11-5	135 S1+	75
890-472-21 MSD	TP11-5	141 S1+	78
890-472-22	TP11-2	130	69 S1-
890-472-23	TP11-6	162 S1+	78
890-472-24	TP5-5	152 S1+	74
890-472-25	TP5-2	140 S1+	79
890-472-26	TP5-4	143 S1+	73
890-472-27	TP5-6	138 S1+	87
890-472-28	TP5-8	139 S1+	90
890-472-29	TP4-5	111	78
890-472-30	TP4-2	110	84
890-472-31	TP4-4	0.001 S1-	80
890-472-32	TP4-6	112	87
890-472-33	TP4-8	126	98
890-472-34	TP4-10	120	99
890-472-35	TP6-5	120	97
890-472-36	TP6-2	119	99
890-472-37	TP6-4	119	94
890-472-38	TP6-6	124	100
890-472-39	TP6-8	125	102
890-472-40	TP6-10	119	103
890-472-41	TP7-5	115	98
890-472-41 MS	TP7-5	137 S1+	85

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## Surrogate Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-472-41 MSD	TP7-5	109	100
890-472-42	TP7-2	117	98
890-472-43	TP7-4	117	102
890-472-44	TP7-6	119	100
890-472-45	TP7-8	114	103
890-472-45 MS	TP7-8	120	105
890-472-45 MSD	TP7-8	116	106
890-472-46	TP7-10	109	103
890-472-47	TP8-5	106	102
890-472-48	TP8-2	106	101
890-472-49	TP8-4	114	102
890-472-50	TP8-6	107	103
890-472-51	TP8-8	110	103
890-472-52	TP8-10	104	101
LCS 880-1467/1-A	Lab Control Sample	108	100
LCS 880-1469/1-A	Lab Control Sample	105	100
LCS 880-1479/1-A	Lab Control Sample	112	75
LCS 880-1480/1-A	Lab Control Sample	104	100
LCS 880-1507/1-A	Lab Control Sample	95	92
LCS 880-1511/1-A	Lab Control Sample	90	102
LCS 880-1560/1-A	Lab Control Sample	91	100
LCSD 880-1467/2-A	Lab Control Sample Dup	110	102
LCSD 880-1469/2-A	Lab Control Sample Dup	106	99
LCSD 880-1479/2-A	Lab Control Sample Dup	130	80
LCSD 880-1480/2-A	Lab Control Sample Dup	104	99
LCSD 880-1507/2-A	Lab Control Sample Dup	108	106
LCSD 880-1511/2-A	Lab Control Sample Dup	91	108
LCSD 880-1560/2-A	Lab Control Sample Dup	97	100
MB 880-1416/8	Method Blank	69 S1-	86
MB 880-1443/5-A	Method Blank	109	99
MB 880-1448/5-A	Method Blank	100	96
MB 880-1467/5-A	Method Blank	96	98
MB 880-1469/5-A	Method Blank	104	93
MB 880-1479/5-A	Method Blank	88	68 S1-
MB 880-1480/5-A	Method Blank	108	94
MB 880-1506/5-A	Method Blank	75	83
MB 880-1507/5-A	Method Blank	73	88
MB 880-1511/5-A	Method Blank	103	108
MB 880-1527/8	Method Blank	105	96
MB 880-1560/5-A	Method Blank	102	100

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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## Surrogate Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
890-472-13 MSD	TP2-7		
<b>Surrogate Legend</b>			
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)
890-472-1	TP12-5	125	124
890-472-1 MS	TP12-5	113	103
890-472-1 MSD	TP12-5	117	104
890-472-2	TP12-2	117	116
890-472-3	TP12-6	109	112
890-472-4	TP9-5	117	115
890-472-5	TP9-2	118	113
890-472-6	TP9-6	114	112
890-472-7	TP1-5	112	121
890-472-8	TP1-2	111	107
890-472-9	TP1-6	107	110
890-472-10	TP2-5	114	119
890-472-11	TP2-2	116	117
890-472-12	TP2-4	128	127
890-472-13	TP2-7	127	122
890-472-14	TP10-5	117	121
890-472-15	TP10-2	99	98
890-472-16	TP10-6	107	110
890-472-17	TP3-5	103	106
890-472-18	TP3-2	106	109
890-472-19	TP3-4	106	109
890-472-20	TP3-7	107	110
890-472-21	TP11-5	112	119
890-472-21 MS	TP11-5	100	105
890-472-21 MSD	TP11-5	112	107
890-472-22	TP11-2	112	101
890-472-23	TP11-6	110	115
890-472-24	TP5-5	97	104
890-472-25	TP5-2	103	103
890-472-26	TP5-4	108	117
890-472-27	TP5-6	101	104
890-472-28	TP5-8	102	111
890-472-29	TP4-5	107	108
890-472-30	TP4-2	104	107
890-472-31	TP4-4	122	124
890-472-32	TP4-6	91	97
890-472-33	TP4-8	114	118
890-472-34	TP4-10	108	111
890-472-35	TP6-5	102	104

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### Surrogate Summary

Client: GHD Services Inc.  
 Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
 SDG: 11224668

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

**Matrix: Solid**

**Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-472-36	TP6-2	89	93
890-472-37	TP6-4	100	100
890-472-38	TP6-6	113	114
890-472-39	TP6-8	110	111
890-472-40	TP6-10	104	114
890-472-41	TP7-5	94	84
890-472-41 MS	TP7-5	100	81
890-472-41 MSD	TP7-5	109	87
890-472-42	TP7-2	96	88
890-472-43	TP7-4	99	89
890-472-44	TP7-6	99	87
890-472-45	TP7-8	96	86
890-472-46	TP7-10	101	90
890-472-47	TP8-5	97	86
890-472-48	TP8-2	100	91
890-472-49	TP8-4	99	90
890-472-50	TP8-6	121	108
890-472-51	TP8-8	103	94
890-472-52	TP8-10	103	91
LCS 880-1337/2-A	Lab Control Sample	112	107
LCS 880-1342/2-A	Lab Control Sample	107	107
LCS 880-1356/2-A	Lab Control Sample	101	88
LCS 880-1378/2-A	Lab Control Sample	105	91
LCS 880-1432/2-A	Lab Control Sample	105	92
LCSD 880-1337/3-A	Lab Control Sample Dup	119	112
LCSD 880-1342/3-A	Lab Control Sample Dup	107	108
LCSD 880-1356/3-A	Lab Control Sample Dup	103	89
LCSD 880-1378/3-A	Lab Control Sample Dup	104	91
LCSD 880-1432/3-A	Lab Control Sample Dup	103	91
MB 880-1337/1-A	Method Blank	110	116
MB 880-1342/1-A	Method Blank	100	114
MB 880-1356/1-A	Method Blank	102	97
MB 880-1378/1-A	Method Blank	104	100
MB 880-1432/1-A	Method Blank	107	106

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

Lab Sample ID: MB 880-1416/8  
Matrix: Solid  
Analysis Batch: 1416

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:16	04/07/21 12:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:16	04/07/21 12:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:16	04/07/21 12:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 12:16	04/07/21 12:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:16	04/07/21 12:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 12:16	04/07/21 12:16	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 12:16	04/07/21 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130				04/07/21 12:16	04/07/21 12:16	1
1,4-Difluorobenzene (Surr)	86		70 - 130				04/07/21 12:16	04/07/21 12:16	1

Lab Sample ID: MB 880-1443/5-A  
Matrix: Solid  
Analysis Batch: 1444

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 1443

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:13	04/07/21 15:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:13	04/07/21 15:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:13	04/07/21 15:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 12:13	04/07/21 15:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:13	04/07/21 15:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 12:13	04/07/21 15:45	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 12:13	04/07/21 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/07/21 12:13	04/07/21 15:45	1
1,4-Difluorobenzene (Surr)	99		70 - 130				04/07/21 12:13	04/07/21 15:45	1

Lab Sample ID: MB 880-1448/5-A  
Matrix: Solid  
Analysis Batch: 1437

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 1448

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				04/07/21 12:45	04/08/21 05:41	1
1,4-Difluorobenzene (Surr)	96		70 - 130				04/07/21 12:45	04/08/21 05:41	1

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

Lab Sample ID: MB 880-1467/5-A  
Matrix: Solid  
Analysis Batch: 1437

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 1467

Analyte	MB MB		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:33	04/08/21 16:33		1	
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:33	04/08/21 16:33		1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:33	04/08/21 16:33		1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 13:33	04/08/21 16:33		1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:33	04/08/21 16:33		1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 13:33	04/08/21 16:33		1	
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 13:33	04/08/21 16:33		1	

Surrogate	MB MB		Limits	Prepared		Analyzed		Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	96		70 - 130	04/07/21 13:33		04/08/21 16:33		1
1,4-Difluorobenzene (Surr)	98		70 - 130	04/07/21 13:33		04/08/21 16:33		1

Lab Sample ID: LCS 880-1467/1-A  
Matrix: Solid  
Analysis Batch: 1437

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 1467

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits	
		Result	Qualifier					
Benzene	0.100	0.07655		mg/Kg		77	70 - 130	
Toluene	0.100	0.07913		mg/Kg		79	70 - 130	
Ethylbenzene	0.100	0.08813		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene	0.200	0.1688		mg/Kg		84	70 - 130	
o-Xylene	0.100	0.09168		mg/Kg		92	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-1467/2-A  
Matrix: Solid  
Analysis Batch: 1437

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 1467

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits		RPD	
		Result	Qualifier						RPD	Limit
Benzene	0.100	0.08722		mg/Kg		87	70 - 130	13	35	
Toluene	0.100	0.08557		mg/Kg		86	70 - 130	8	35	
Ethylbenzene	0.100	0.09473		mg/Kg		95	70 - 130	7	35	
m-Xylene & p-Xylene	0.200	0.1831		mg/Kg		92	70 - 130	8	35	
o-Xylene	0.100	0.1024		mg/Kg		102	70 - 130	11	35	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-472-45 MS  
Matrix: Solid  
Analysis Batch: 1437

Client Sample ID: TP7-8  
Prep Type: Total/NA  
Prep Batch: 1467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier					
Benzene	<0.00200	U	0.101	0.07807		mg/Kg		78	70 - 130	

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

Lab Sample ID: 890-472-45 MS  
Matrix: Solid  
Analysis Batch: 1437

Client Sample ID: TP7-8  
Prep Type: Total/NA  
Prep Batch: 1467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00200	U F1	0.101	0.05226	F1	mg/Kg		52	70 - 130
Ethylbenzene	<0.00200	U F1	0.101	0.06121	F1	mg/Kg		61	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.201	0.1037	F1	mg/Kg		52	70 - 130
o-Xylene	<0.00200	U F1	0.101	0.07023		mg/Kg		70	70 - 130
<b>MS MS</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	120		70 - 130						
1,4-Difluorobenzene (Surr)	105		70 - 130						

Lab Sample ID: 890-472-45 MSD  
Matrix: Solid  
Analysis Batch: 1437

Client Sample ID: TP7-8  
Prep Type: Total/NA  
Prep Batch: 1467

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U	0.0996	0.07438		mg/Kg		75	70 - 130	5	35
Toluene	<0.00200	U F1	0.0996	0.05129	F1	mg/Kg		51	70 - 130	2	35
Ethylbenzene	<0.00200	U F1	0.0996	0.05922	F1	mg/Kg		59	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U F1	0.199	0.1021	F1	mg/Kg		51	70 - 130	2	35
o-Xylene	<0.00200	U F1	0.0996	0.06719	F1	mg/Kg		67	70 - 130	4	35
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
4-Bromofluorobenzene (Surr)	116		70 - 130								
1,4-Difluorobenzene (Surr)	106		70 - 130								

Lab Sample ID: MB 880-1469/5-A  
Matrix: Solid  
Analysis Batch: 1444

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 1469

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 03:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 03:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 03:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 13:52	04/08/21 03:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 03:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 13:52	04/08/21 03:20	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 13:52	04/08/21 03:20	1
<b>MB MB</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	104		70 - 130				04/07/21 13:52	04/08/21 03:20	1
1,4-Difluorobenzene (Surr)	93		70 - 130				04/07/21 13:52	04/08/21 03:20	1

Lab Sample ID: LCS 880-1469/1-A  
Matrix: Solid  
Analysis Batch: 1444

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 1469

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1087		mg/Kg		109	70 - 130
Toluene	0.100	0.1112		mg/Kg		111	70 - 130

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### QC Sample Results

Client: GHD Services Inc.  
 Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
 SDG: 11224668

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

**Lab Sample ID: LCS 880-1469/1-A**  
**Matrix: Solid**  
**Analysis Batch: 1444**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1469**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.100	0.1142		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2331		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1148		mg/Kg		115	70 - 130
		<b>LCS</b>	<b>LCS</b>				
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			
4-Bromofluorobenzene (Surr)		105		70 - 130			
1,4-Difluorobenzene (Surr)		100		70 - 130			

**Lab Sample ID: LCSD 880-1469/2-A**  
**Matrix: Solid**  
**Analysis Batch: 1444**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 1469**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1149		mg/Kg		115	70 - 130	6	35
Toluene	0.100	0.1175		mg/Kg		117	70 - 130	6	35
Ethylbenzene	0.100	0.1206		mg/Kg		121	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2457		mg/Kg		123	70 - 130	5	35
o-Xylene	0.100	0.1208		mg/Kg		121	70 - 130	5	35
		<b>LCSD</b>	<b>LCSD</b>						
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>					
4-Bromofluorobenzene (Surr)		106		70 - 130					
1,4-Difluorobenzene (Surr)		99		70 - 130					

**Lab Sample ID: 890-472-5 MS**  
**Matrix: Solid**  
**Analysis Batch: 1444**

**Client Sample ID: TP9-2**  
**Prep Type: Total/NA**  
**Prep Batch: 1469**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.00205	F1	0.0998	0.05430	F1	mg/Kg		52	70 - 130
Toluene	0.00470	F1	0.0998	0.04050	F1	mg/Kg		36	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.05011	F1	mg/Kg		49	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.09449	F1	mg/Kg		47	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.05411	F1	mg/Kg		54	70 - 130
		<b>MS</b>	<b>MS</b>						
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>					
4-Bromofluorobenzene (Surr)		109		70 - 130					
1,4-Difluorobenzene (Surr)		99		70 - 130					

**Lab Sample ID: 890-472-5 MSD**  
**Matrix: Solid**  
**Analysis Batch: 1444**

**Client Sample ID: TP9-2**  
**Prep Type: Total/NA**  
**Prep Batch: 1469**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.00205	F1	0.0990	0.05461	F1	mg/Kg		53	70 - 130	1	35
Toluene	0.00470	F1	0.0990	0.04072	F1	mg/Kg		36	70 - 130	1	35
Ethylbenzene	<0.00200	U F1	0.0990	0.04892	F1	mg/Kg		48	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U F1	0.198	0.09561	F1	mg/Kg		48	70 - 130	1	35
o-Xylene	<0.00200	U F1	0.0990	0.05218	F1	mg/Kg		53	70 - 130	4	35

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

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

Lab Sample ID: MB 880-1479/5-A  
Matrix: Solid  
Analysis Batch: 1416

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 1479

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 01:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 01:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 01:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 16:26	04/08/21 01:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 01:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 16:26	04/08/21 01:26	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 16:26	04/08/21 01:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	04/07/21 16:26	04/08/21 01:26	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	04/07/21 16:26	04/08/21 01:26	1

Lab Sample ID: LCS 880-1479/1-A  
Matrix: Solid  
Analysis Batch: 1416

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 1479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09330		mg/Kg		93	70 - 130
Toluene	0.100	0.08787		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09160		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1849		mg/Kg		92	70 - 130
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	75		70 - 130

Lab Sample ID: LCSD 880-1479/2-A  
Matrix: Solid  
Analysis Batch: 1416

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 1479

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1044		mg/Kg		104	70 - 130	11	35
Toluene	0.100	0.1010		mg/Kg		101	70 - 130	14	35
Ethylbenzene	0.100	0.1039		mg/Kg		104	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.2110		mg/Kg		105	70 - 130	13	35
o-Xylene	0.100	0.1171		mg/Kg		117	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	130		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

Lab Sample ID: 890-472-21 MS  
Matrix: Solid  
Analysis Batch: 1416

Client Sample ID: TP11-5  
Prep Type: Total/NA  
Prep Batch: 1479

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.0998	0.04620	F1	mg/Kg		46	70 - 130
Toluene	<0.00200	U F1	0.0998	0.05556	F1	mg/Kg		56	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.05548	F1	mg/Kg		56	70 - 130
m-Xylene & p-Xylene	<0.00400	U F1	0.200	0.1115	F1	mg/Kg		56	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.05971	F1	mg/Kg		60	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130
1,4-Difluorobenzene (Surr)	75		70 - 130

Lab Sample ID: 890-472-21 MSD  
Matrix: Solid  
Analysis Batch: 1416

Client Sample ID: TP11-5  
Prep Type: Total/NA  
Prep Batch: 1479

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.101	0.05555	F1	mg/Kg		55	70 - 130	18	35
Toluene	<0.00200	U F1	0.101	0.05330	F1	mg/Kg		53	70 - 130	4	35
Ethylbenzene	<0.00200	U F1	0.101	0.05867	F1	mg/Kg		58	70 - 130	6	35
m-Xylene & p-Xylene	<0.00400	U F1	0.202	0.1173	F1	mg/Kg		58	70 - 130	5	35
o-Xylene	<0.00200	U F1	0.101	0.06248	F1	mg/Kg		62	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: MB 880-1480/5-A  
Matrix: Solid  
Analysis Batch: 1527

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 1480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/21 15:00	04/09/21 02:37	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/08/21 15:00	04/09/21 02:37	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/08/21 15:00	04/09/21 02:37	1
1,4-Difluorobenzene (Surr)	94		70 - 130	04/08/21 15:00	04/09/21 02:37	1

Lab Sample ID: LCS 880-1480/1-A  
Matrix: Solid  
Analysis Batch: 1527

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 1480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1105		mg/Kg		111	70 - 130

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

Lab Sample ID: LCS 880-1480/1-A  
Matrix: Solid  
Analysis Batch: 1527

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 1480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.1160		mg/Kg		116	70 - 130
Ethylbenzene	0.100	0.1180		mg/Kg		118	70 - 130
m-Xylene & p-Xylene	0.200	0.2406		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1190		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-1480/2-A  
Matrix: Solid  
Analysis Batch: 1527

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 1480

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1074		mg/Kg		107	70 - 130	3	35
Toluene	0.100	0.1107		mg/Kg		111	70 - 130	5	35
Ethylbenzene	0.100	0.1154		mg/Kg		115	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2366		mg/Kg		118	70 - 130	2	35
o-Xylene	0.100	0.1163		mg/Kg		116	70 - 130	2	35

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

Lab Sample ID: 890-472-41 MS  
Matrix: Solid  
Analysis Batch: 1527

Client Sample ID: TP7-5  
Prep Type: Total/NA  
Prep Batch: 1480

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U H F1 F2	0.100	0.01602	F1	mg/Kg		16	70 - 130
Toluene	<0.00199	U H F1 F2	0.100	0.01783	F1	mg/Kg		18	70 - 130
Ethylbenzene	<0.00199	U H F1 F2	0.100	0.02569	F1	mg/Kg		25	70 - 130
m-Xylene & p-Xylene	<0.00398	U H F1 F2	0.200	0.05008	F1	mg/Kg		25	70 - 130
o-Xylene	<0.00199	U H F1 F2	0.100	0.03312	F1	mg/Kg		33	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 890-472-41 MSD  
Matrix: Solid  
Analysis Batch: 1527

Client Sample ID: TP7-5  
Prep Type: Total/NA  
Prep Batch: 1480

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00199	U H F1 F2	0.0998	0.05781	F1 F2	mg/Kg		58	70 - 130	113	35
Toluene	<0.00199	U H F1 F2	0.0998	0.05506	F1 F2	mg/Kg		55	70 - 130	102	35
Ethylbenzene	<0.00199	U H F1 F2	0.0998	0.06012	F1 F2	mg/Kg		60	70 - 130	80	35
m-Xylene & p-Xylene	<0.00398	U H F1 F2	0.200	0.1204	F1 F2	mg/Kg		60	70 - 130	82	35

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

**Lab Sample ID: 890-472-41 MSD**  
**Matrix: Solid**  
**Analysis Batch: 1527**

**Client Sample ID: TP7-5**  
**Prep Type: Total/NA**  
**Prep Batch: 1480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	<0.00199	U H F1 F2	0.0998	0.06491	F1 F2	mg/Kg		65	70 - 130	65	35
<b>Surrogate</b>	<b>%Recovery</b>	<b>MSD Qualifier</b>	<b>MSD Limits</b>								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								

**Lab Sample ID: MB 880-1506/5-A**  
**Matrix: Solid**  
**Analysis Batch: 1508**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 1506**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/21 10:10	04/08/21 16:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/21 10:10	04/08/21 16:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/21 10:10	04/08/21 16:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/08/21 10:10	04/08/21 16:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/21 10:10	04/08/21 16:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/08/21 10:10	04/08/21 16:14	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/08/21 10:10	04/08/21 16:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>MB Qualifier</b>	<b>MB Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	75		70 - 130				04/08/21 10:10	04/08/21 16:14	1
1,4-Difluorobenzene (Surr)	83		70 - 130				04/08/21 10:10	04/08/21 16:14	1

**Lab Sample ID: MB 880-1507/5-A**  
**Matrix: Solid**  
**Analysis Batch: 1508**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 1507**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/21 10:31	04/09/21 05:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/21 10:31	04/09/21 05:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/21 10:31	04/09/21 05:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/21 10:31	04/09/21 05:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/21 10:31	04/09/21 05:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/21 10:31	04/09/21 05:14	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/08/21 10:31	04/09/21 05:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>MB Qualifier</b>	<b>MB Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	73		70 - 130				04/08/21 10:31	04/09/21 05:14	1
1,4-Difluorobenzene (Surr)	88		70 - 130				04/08/21 10:31	04/09/21 05:14	1

**Lab Sample ID: LCS 880-1507/1-A**  
**Matrix: Solid**  
**Analysis Batch: 1508**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1507**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09474		mg/Kg		95	70 - 130
Toluene	0.100	0.1026		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.09056		mg/Kg		91	70 - 130

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### QC Sample Results

Client: GHD Services Inc.  
 Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
 SDG: 11224668

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

**Lab Sample ID: LCS 880-1507/1-A**  
**Matrix: Solid**  
**Analysis Batch: 1508**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1507**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	0.200	0.1847		mg/Kg		92	70 - 130
o-Xylene	0.100	0.1031		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

**Lab Sample ID: LCSD 880-1507/2-A**  
**Matrix: Solid**  
**Analysis Batch: 1508**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 1507**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1053		mg/Kg		105	70 - 130	11	35
Toluene	0.100	0.1138		mg/Kg		114	70 - 130	10	35
Ethylbenzene	0.100	0.1011		mg/Kg		101	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2050		mg/Kg		103	70 - 130	10	35
o-Xylene	0.100	0.1149		mg/Kg		115	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

**Lab Sample ID: MB 880-1511/5-A**  
**Matrix: Solid**  
**Analysis Batch: 1569**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 1511**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/21 11:09	04/09/21 12:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/21 11:09	04/09/21 12:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/21 11:09	04/09/21 12:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/21 11:09	04/09/21 12:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/21 11:09	04/09/21 12:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/21 11:09	04/09/21 12:19	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/08/21 11:09	04/09/21 12:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/08/21 11:09	04/09/21 12:19	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/08/21 11:09	04/09/21 12:19	1

**Lab Sample ID: LCS 880-1511/1-A**  
**Matrix: Solid**  
**Analysis Batch: 1569**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1511**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1012		mg/Kg		101	70 - 130
Toluene	0.100	0.1050		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2035		mg/Kg		102	70 - 130

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### QC Sample Results

Client: GHD Services Inc.  
 Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
 SDG: 11224668

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

**Lab Sample ID: LCS 880-1511/1-A**  
**Matrix: Solid**  
**Analysis Batch: 1569**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1511**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.09712		mg/Kg		97	70 - 130
<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>LCS Qualifier</b>	<b>Limits</b>				
4-Bromofluorobenzene (Surr)	90		70 - 130				
1,4-Difluorobenzene (Surr)	102		70 - 130				

**Lab Sample ID: LCSD 880-1511/2-A**  
**Matrix: Solid**  
**Analysis Batch: 1569**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 1511**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09520		mg/Kg		95	70 - 130	6	35
Toluene	0.100	0.1006		mg/Kg		101	70 - 130	4	35
Ethylbenzene	0.100	0.09488		mg/Kg		95	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1955		mg/Kg		98	70 - 130	4	35
o-Xylene	0.100	0.09283		mg/Kg		93	70 - 130	5	35
<b>Surrogate</b>	<b>LCSD %Recovery</b>	<b>LCSD Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	91		70 - 130						
1,4-Difluorobenzene (Surr)	108		70 - 130						

**Lab Sample ID: 890-472-13 MS**  
**Matrix: Solid**  
**Analysis Batch: 1569**

**Client Sample ID: TP2-7**  
**Prep Type: Total/NA**  
**Prep Batch: 1511**

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

**Lab Sample ID: 890-472-13 MSD**  
**Matrix: Solid**  
**Analysis Batch: 1569**

**Client Sample ID: TP2-7**  
**Prep Type: Total/NA**  
**Prep Batch: 1511**

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

**Lab Sample ID: MB 880-1527/8**  
**Matrix: Solid**  
**Analysis Batch: 1527**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			04/08/21 16:03	1
Toluene	<0.00200	U	0.00200		mg/Kg			04/08/21 16:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			04/08/21 16:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			04/08/21 16:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			04/08/21 16:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			04/08/21 16:03	1

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

Lab Sample ID: MB 880-1527/8  
Matrix: Solid  
Analysis Batch: 1527

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			04/08/21 16:03	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130					04/08/21 16:03	1
1,4-Difluorobenzene (Surr)	96		70 - 130					04/08/21 16:03	1

Lab Sample ID: MB 880-1560/5-A  
Matrix: Solid  
Analysis Batch: 1562

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 1560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/08/21 14:00	04/09/21 12:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/08/21 14:00	04/09/21 12:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/08/21 14:00	04/09/21 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/08/21 14:00	04/09/21 12:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/08/21 14:00	04/09/21 12:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/08/21 14:00	04/09/21 12:12	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/08/21 14:00	04/09/21 12:12	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				04/08/21 14:00	04/09/21 12:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/08/21 14:00	04/09/21 12:12	1

Lab Sample ID: LCS 880-1560/1-A  
Matrix: Solid  
Analysis Batch: 1562

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 1560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09450		mg/Kg		94	70 - 130
Toluene	0.100	0.09084		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09135		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1748		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08675		mg/Kg		87	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	91		70 - 130				
1,4-Difluorobenzene (Surr)	100		70 - 130				

Lab Sample ID: LCSD 880-1560/2-A  
Matrix: Solid  
Analysis Batch: 1562

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 1560

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09117		mg/Kg		91	70 - 130	4	35
Toluene	0.100	0.08846		mg/Kg		88	70 - 130	3	35
Ethylbenzene	0.100	0.09029		mg/Kg		90	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1762		mg/Kg		88	70 - 130	1	35
o-Xylene	0.100	0.08830		mg/Kg		88	70 - 130	2	35

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-472-4 MS  
Matrix: Solid  
Analysis Batch: 1562

Client Sample ID: TP9-5  
Prep Type: Total/NA  
Prep Batch: 1560

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Benzene	<0.00200	U H	0.100	0.1233		mg/Kg		123		70 - 130
Toluene	<0.00200	U H	0.100	0.1126		mg/Kg		113		70 - 130
Ethylbenzene	<0.00200	U H	0.100	0.1088		mg/Kg		109		70 - 130
m-Xylene & p-Xylene	<0.00401	U H	0.200	0.2154		mg/Kg		108		70 - 130
o-Xylene	<0.00200	U H	0.100	0.1171		mg/Kg		117		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 890-472-4 MSD  
Matrix: Solid  
Analysis Batch: 1562

Client Sample ID: TP9-5  
Prep Type: Total/NA  
Prep Batch: 1560

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Benzene	<0.00200	U H	0.0998	0.1071		mg/Kg		107		70 - 130	14	35
Toluene	<0.00200	U H	0.0998	0.09726		mg/Kg		97		70 - 130	15	35
Ethylbenzene	<0.00200	U H	0.0998	0.09122		mg/Kg		91		70 - 130	18	35
m-Xylene & p-Xylene	<0.00401	U H	0.200	0.1791		mg/Kg		90		70 - 130	18	35
o-Xylene	<0.00200	U H	0.0998	0.09892		mg/Kg		99		70 - 130	17	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

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

Lab Sample ID: MB 880-1337/1-A  
Matrix: Solid  
Analysis Batch: 1310

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 1337

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 00:38	1
Total TPH	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 15:43	04/06/21 00:38	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	110		70 - 130	04/05/21 15:43	04/06/21 00:38	1
o-Terphenyl	116		70 - 130	04/05/21 15:43	04/06/21 00:38	1

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### QC Sample Results

Client: GHD Services Inc.  
 Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
 SDG: 11224668

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

**Lab Sample ID: LCS 880-1337/2-A**  
**Matrix: Solid**  
**Analysis Batch: 1310**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1337**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1449	*+	mg/Kg		145	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1167		mg/Kg		117	70 - 130
		<b>LCS</b>	<b>LCS</b>				
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			
1-Chlorooctane		112		70 - 130			
o-Terphenyl		107		70 - 130			

**Lab Sample ID: LCSD 880-1337/3-A**  
**Matrix: Solid**  
**Analysis Batch: 1310**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 1337**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1398	*+	mg/Kg		140	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1236		mg/Kg		124	70 - 130	6	20
		<b>LCSD</b>	<b>LCSD</b>						
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>					
1-Chlorooctane		119		70 - 130					
o-Terphenyl		112		70 - 130					

**Lab Sample ID: 890-472-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 1310**

**Client Sample ID: TP12-5**  
**Prep Type: Total/NA**  
**Prep Batch: 1337**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 *+	1000	1318	F1	mg/Kg		132	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1217		mg/Kg		120	70 - 130
		<b>MS</b>	<b>MS</b>						
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>					
1-Chlorooctane		113		70 - 130					
o-Terphenyl		103		70 - 130					

**Lab Sample ID: 890-472-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 1310**

**Client Sample ID: TP12-5**  
**Prep Type: Total/NA**  
**Prep Batch: 1337**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 *+	998	1360	F1	mg/Kg		136	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1289		mg/Kg		127	70 - 130	6	20
		<b>MSD</b>	<b>MSD</b>								
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1-Chlorooctane		117		70 - 130							

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

**Lab Sample ID: 890-472-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 1310**

**Client Sample ID: TP12-5**  
**Prep Type: Total/NA**  
**Prep Batch: 1337**

Surrogate	%Recovery	MSD Qualifier	MSD Limits
<i>o</i> -Terphenyl	104		70 - 130

**Lab Sample ID: MB 880-1342/1-A**  
**Matrix: Solid**  
**Analysis Batch: 1360**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 1342**

Analyte	Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 11:49	1
Total TPH	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 11:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 11:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/05/21 16:32	04/06/21 11:49	1

Surrogate	%Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/05/21 16:32	04/06/21 11:49	1
<i>o</i> -Terphenyl	114		70 - 130	04/05/21 16:32	04/06/21 11:49	1

**Lab Sample ID: LCS 880-1342/2-A**  
**Matrix: Solid**  
**Analysis Batch: 1360**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1342**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1156		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1063		mg/Kg		106	70 - 130

Surrogate	%Recovery	LCS Qualifier	LCS Limits
1-Chlorooctane	107		70 - 130
<i>o</i> -Terphenyl	107		70 - 130

**Lab Sample ID: LCSD 880-1342/3-A**  
**Matrix: Solid**  
**Analysis Batch: 1360**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 1342**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1119		mg/Kg		112	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1074		mg/Kg		107	70 - 130	1	20

Surrogate	%Recovery	LCSD Qualifier	LCSD Limits
1-Chlorooctane	107		70 - 130
<i>o</i> -Terphenyl	108		70 - 130

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### QC Sample Results

Client: GHD Services Inc.  
 Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
 SDG: 11224668

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

**Lab Sample ID: 890-472-21 MS**  
**Matrix: Solid**  
**Analysis Batch: 1360**

**Client Sample ID: TP11-5**  
**Prep Type: Total/NA**  
**Prep Batch: 1342**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1089		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1090		mg/Kg		107	70 - 130
				<b>MS</b>	<b>MS</b>				
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
1-Chlorooctane	100		70 - 130						
o-Terphenyl	105		70 - 130						

**Lab Sample ID: 890-472-21 MSD**  
**Matrix: Solid**  
**Analysis Batch: 1360**

**Client Sample ID: TP11-5**  
**Prep Type: Total/NA**  
**Prep Batch: 1342**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1231		mg/Kg		121	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1141		mg/Kg		113	70 - 130	5	20
				<b>MSD</b>	<b>MSD</b>						
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1-Chlorooctane	112		70 - 130								
o-Terphenyl	107		70 - 130								

**Lab Sample ID: MB 880-1356/1-A**  
**Matrix: Solid**  
**Analysis Batch: 1362**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 1356**

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		04/06/21 08:58	04/06/21 11:49	1	
Total TPH	<50.0	U	50.0		mg/Kg		04/06/21 08:58	04/06/21 11:49	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/06/21 08:58	04/06/21 11:49	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/06/21 08:58	04/06/21 11:49	1	
				<b>MB</b>	<b>MB</b>					
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>				
1-Chlorooctane	102		70 - 130	04/06/21 08:58	04/06/21 11:49	1				
o-Terphenyl	97		70 - 130	04/06/21 08:58	04/06/21 11:49	1				

**Lab Sample ID: LCS 880-1356/2-A**  
**Matrix: Solid**  
**Analysis Batch: 1362**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1356**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1164		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	1000	893.3		mg/Kg		89	70 - 130

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### QC Sample Results

Client: GHD Services Inc.  
 Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
 SDG: 11224668

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

**Lab Sample ID: LCS 880-1356/2-A**  
**Matrix: Solid**  
**Analysis Batch: 1362**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1356**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	101		70 - 130
o-Terphenyl	88		70 - 130

**Lab Sample ID: LCSD 880-1356/3-A**  
**Matrix: Solid**  
**Analysis Batch: 1362**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 1356**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
							RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	1216		mg/Kg		122	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	1000	913.7		mg/Kg		91	70 - 130	2	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	103		70 - 130
o-Terphenyl	89		70 - 130

**Lab Sample ID: 890-472-41 MS**  
**Matrix: Solid**  
**Analysis Batch: 1362**

**Client Sample ID: TP7-5**  
**Prep Type: Total/NA**  
**Prep Batch: 1356**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
									RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	1238		mg/Kg		124	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	953.4		mg/Kg		93	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	100		70 - 130
o-Terphenyl	81		70 - 130

**Lab Sample ID: 890-472-41 MSD**  
**Matrix: Solid**  
**Analysis Batch: 1362**

**Client Sample ID: TP7-5**  
**Prep Type: Total/NA**  
**Prep Batch: 1356**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
									RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	1373	F1	mg/Kg		138	70 - 130	10	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1020		mg/Kg		99	70 - 130	7	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	109		70 - 130
o-Terphenyl	87		70 - 130

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

**Lab Sample ID: MB 880-1378/1-A**  
**Matrix: Solid**  
**Analysis Batch: 1362**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 1378**

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		04/06/21 13:35	04/06/21 21:27	1
Total TPH	<50.0	U	50.0		mg/Kg		04/06/21 13:35	04/06/21 21:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/06/21 13:35	04/06/21 21:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/06/21 13:35	04/06/21 21:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	04/06/21 13:35	04/06/21 21:27	1
o-Terphenyl	100		70 - 130	04/06/21 13:35	04/06/21 21:27	1

**Lab Sample ID: LCS 880-1378/2-A**  
**Matrix: Solid**  
**Analysis Batch: 1362**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1378**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1146		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	940.9		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	91		70 - 130

**Lab Sample ID: LCSD 880-1378/3-A**  
**Matrix: Solid**  
**Analysis Batch: 1362**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 1378**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1181		mg/Kg		118	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	934.7		mg/Kg		93	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	91		70 - 130

**Lab Sample ID: MB 880-1432/1-A**  
**Matrix: Solid**  
**Analysis Batch: 1419**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 1432**

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		04/07/21 10:39	04/07/21 20:20	1
Total TPH	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/07/21 20:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/07/21 20:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/07/21 20:20	1

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/07/21 10:39	04/07/21 20:20	1
o-Terphenyl	106		70 - 130	04/07/21 10:39	04/07/21 20:20	1

Lab Sample ID: LCS 880-1432/2-A  
Matrix: Solid  
Analysis Batch: 1419

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 1432

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1214		mg/Kg		121	70 - 130
Diesel Range Organics (Over C10-C28)	1000	986.5		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: LCSD 880-1432/3-A  
Matrix: Solid  
Analysis Batch: 1419

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 1432

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1143		mg/Kg		114	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	965.5		mg/Kg		97	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	91		70 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1679/1-A  
Matrix: Solid  
Analysis Batch: 1746

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			04/13/21 18:02	1

Lab Sample ID: LCS 880-1679/2-A  
Matrix: Solid  
Analysis Batch: 1746

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	250.1		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-1679/3-A  
Matrix: Solid  
Analysis Batch: 1746

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	249.9		mg/Kg		100	90 - 110	0	20

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-472-50 MS  
Matrix: Solid  
Analysis Batch: 1746

Client Sample ID: TP8-6  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<25.0	U F1	1250	1438	F1	mg/Kg		114	90 - 110

Lab Sample ID: MB 880-1720/1-A  
Matrix: Solid  
Analysis Batch: 1853

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			04/16/21 22:29	1

Lab Sample ID: LCS 880-1720/2-A  
Matrix: Solid  
Analysis Batch: 1853

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	250.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-1720/3-A  
Matrix: Solid  
Analysis Batch: 1853

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	247.9		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-472-11 MS  
Matrix: Solid  
Analysis Batch: 1853

Client Sample ID: TP2-2  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	15.0		251	277.2		mg/Kg		105	90 - 110

Lab Sample ID: 890-472-11 MSD  
Matrix: Solid  
Analysis Batch: 1853

Client Sample ID: TP2-2  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	15.0		251	275.6		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 890-472-21 MS  
Matrix: Solid  
Analysis Batch: 1853

Client Sample ID: TP11-5  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.42		250	272.1		mg/Kg		106	90 - 110

Lab Sample ID: 890-472-21 MSD  
Matrix: Solid  
Analysis Batch: 1853

Client Sample ID: TP11-5  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.42		250	270.2		mg/Kg		105	90 - 110	1	20

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### QC Sample Results

Client: GHD Services Inc.  
 Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
 SDG: 11224668

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1719/1-A  
 Matrix: Solid  
 Analysis Batch: 1857

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			04/16/21 05:21	1

Lab Sample ID: LCS 880-1719/2-A  
 Matrix: Solid  
 Analysis Batch: 1857

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.5		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-1719/3-A  
 Matrix: Solid  
 Analysis Batch: 1857

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	252.0		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 890-472-2 MS  
 Matrix: Solid  
 Analysis Batch: 1857

Client Sample ID: TP12-2  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.72		250	267.8		mg/Kg		104	90 - 110

Lab Sample ID: 890-472-2 MSD  
 Matrix: Solid  
 Analysis Batch: 1857

Client Sample ID: TP12-2  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.72		250	267.7		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-1761/1-A  
 Matrix: Solid  
 Analysis Batch: 1935

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			04/17/21 22:14	1

Lab Sample ID: LCS 880-1761/2-A  
 Matrix: Solid  
 Analysis Batch: 1935

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	249.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-1761/3-A  
 Matrix: Solid  
 Analysis Batch: 1935

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	253.5		mg/Kg		101	90 - 110	2	20

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### QC Sample Results

Client: GHD Services Inc.  
 Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
 SDG: 11224668

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1762/1-A  
 Matrix: Solid  
 Analysis Batch: 1936

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			04/18/21 01:11	1

Lab Sample ID: LCS 880-1762/2-A  
 Matrix: Solid  
 Analysis Batch: 1936

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	248.7		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-1762/3-A  
 Matrix: Solid  
 Analysis Batch: 1936

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	251.6		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 890-472-31 MS  
 Matrix: Solid  
 Analysis Batch: 1936

Client Sample ID: TP4-4  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	34.1		249	300.3		mg/Kg		107	90 - 110

Lab Sample ID: 890-472-31 MSD  
 Matrix: Solid  
 Analysis Batch: 1936

Client Sample ID: TP4-4  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	34.1		249	300.7		mg/Kg		107	90 - 110	0	20

## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## GC VOA

## Analysis Batch: 1416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-21	TP11-5	Total/NA	Solid	8021B	1479
890-472-22	TP11-2	Total/NA	Solid	8021B	1479
890-472-23	TP11-6	Total/NA	Solid	8021B	1479
890-472-24	TP5-5	Total/NA	Solid	8021B	1479
890-472-25	TP5-2	Total/NA	Solid	8021B	1479
890-472-26	TP5-4	Total/NA	Solid	8021B	1479
890-472-27	TP5-6	Total/NA	Solid	8021B	1479
890-472-28	TP5-8	Total/NA	Solid	8021B	1479
890-472-29	TP4-5	Total/NA	Solid	8021B	1479
890-472-30	TP4-2	Total/NA	Solid	8021B	1479
890-472-31	TP4-4	Total/NA	Solid	8021B	1479
890-472-32	TP4-6	Total/NA	Solid	8021B	1479
890-472-33	TP4-8	Total/NA	Solid	8021B	1479
890-472-34	TP4-10	Total/NA	Solid	8021B	1479
890-472-35	TP6-5	Total/NA	Solid	8021B	1479
890-472-36	TP6-2	Total/NA	Solid	8021B	1479
890-472-37	TP6-4	Total/NA	Solid	8021B	1479
890-472-38	TP6-6	Total/NA	Solid	8021B	1479
890-472-39	TP6-8	Total/NA	Solid	8021B	1479
890-472-40	TP6-10	Total/NA	Solid	8021B	1479
MB 880-1416/8	Method Blank	Total/NA	Solid	8021B	
MB 880-1479/5-A	Method Blank	Total/NA	Solid	8021B	1479
LCS 880-1479/1-A	Lab Control Sample	Total/NA	Solid	8021B	1479
LCSD 880-1479/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1479
890-472-21 MS	TP11-5	Total/NA	Solid	8021B	1479
890-472-21 MSD	TP11-5	Total/NA	Solid	8021B	1479

## Analysis Batch: 1437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-45	TP7-8	Total/NA	Solid	8021B	1467
890-472-46	TP7-10	Total/NA	Solid	8021B	1467
890-472-47	TP8-5	Total/NA	Solid	8021B	1467
890-472-48	TP8-2	Total/NA	Solid	8021B	1467
890-472-49	TP8-4	Total/NA	Solid	8021B	1467
890-472-50	TP8-6	Total/NA	Solid	8021B	1467
890-472-51	TP8-8	Total/NA	Solid	8021B	1467
890-472-52	TP8-10	Total/NA	Solid	8021B	1467
MB 880-1448/5-A	Method Blank	Total/NA	Solid	8021B	1448
MB 880-1467/5-A	Method Blank	Total/NA	Solid	8021B	1467
LCS 880-1467/1-A	Lab Control Sample	Total/NA	Solid	8021B	1467
LCSD 880-1467/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1467
890-472-45 MS	TP7-8	Total/NA	Solid	8021B	1467
890-472-45 MSD	TP7-8	Total/NA	Solid	8021B	1467

## Prep Batch: 1443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1443/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 1444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-5	TP9-2	Total/NA	Solid	8021B	1469

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## GC VOA (Continued)

## Analysis Batch: 1444 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-6	TP9-6	Total/NA	Solid	8021B	1469
890-472-7	TP1-5	Total/NA	Solid	8021B	1469
890-472-8	TP1-2	Total/NA	Solid	8021B	1469
890-472-9	TP1-6	Total/NA	Solid	8021B	1469
890-472-10	TP2-5	Total/NA	Solid	8021B	1469
890-472-11	TP2-2	Total/NA	Solid	8021B	1469
890-472-12	TP2-4	Total/NA	Solid	8021B	1469
890-472-14	TP10-5	Total/NA	Solid	8021B	1469
890-472-15	TP10-2	Total/NA	Solid	8021B	1469
890-472-16	TP10-6	Total/NA	Solid	8021B	1469
890-472-17	TP3-5	Total/NA	Solid	8021B	1469
890-472-18	TP3-2	Total/NA	Solid	8021B	1469
890-472-19	TP3-4	Total/NA	Solid	8021B	1469
890-472-20	TP3-7	Total/NA	Solid	8021B	1469
MB 880-1443/5-A	Method Blank	Total/NA	Solid	8021B	1443
MB 880-1469/5-A	Method Blank	Total/NA	Solid	8021B	1469
LCS 880-1469/1-A	Lab Control Sample	Total/NA	Solid	8021B	1469
LCSD 880-1469/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1469
890-472-5 MS	TP9-2	Total/NA	Solid	8021B	1469
890-472-5 MSD	TP9-2	Total/NA	Solid	8021B	1469

## Prep Batch: 1448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1448/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 1467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-45	TP7-8	Total/NA	Solid	5035	
890-472-46	TP7-10	Total/NA	Solid	5035	
890-472-47	TP8-5	Total/NA	Solid	5035	
890-472-48	TP8-2	Total/NA	Solid	5035	
890-472-49	TP8-4	Total/NA	Solid	5035	
890-472-50	TP8-6	Total/NA	Solid	5035	
890-472-51	TP8-8	Total/NA	Solid	5035	
890-472-52	TP8-10	Total/NA	Solid	5035	
MB 880-1467/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1467/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1467/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-472-45 MS	TP7-8	Total/NA	Solid	5035	
890-472-45 MSD	TP7-8	Total/NA	Solid	5035	

## Prep Batch: 1469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-5	TP9-2	Total/NA	Solid	5035	
890-472-6	TP9-6	Total/NA	Solid	5035	
890-472-7	TP1-5	Total/NA	Solid	5035	
890-472-8	TP1-2	Total/NA	Solid	5035	
890-472-9	TP1-6	Total/NA	Solid	5035	
890-472-10	TP2-5	Total/NA	Solid	5035	
890-472-11	TP2-2	Total/NA	Solid	5035	
890-472-12	TP2-4	Total/NA	Solid	5035	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## GC VOA (Continued)

## Prep Batch: 1469 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-14	TP10-5	Total/NA	Solid	5035	
890-472-15	TP10-2	Total/NA	Solid	5035	
890-472-16	TP10-6	Total/NA	Solid	5035	
890-472-17	TP3-5	Total/NA	Solid	5035	
890-472-18	TP3-2	Total/NA	Solid	5035	
890-472-19	TP3-4	Total/NA	Solid	5035	
890-472-20	TP3-7	Total/NA	Solid	5035	
MB 880-1469/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1469/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1469/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-472-5 MS	TP9-2	Total/NA	Solid	5035	
890-472-5 MSD	TP9-2	Total/NA	Solid	5035	

## Prep Batch: 1479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-21	TP11-5	Total/NA	Solid	5035	
890-472-22	TP11-2	Total/NA	Solid	5035	
890-472-23	TP11-6	Total/NA	Solid	5035	
890-472-24	TP5-5	Total/NA	Solid	5035	
890-472-25	TP5-2	Total/NA	Solid	5035	
890-472-26	TP5-4	Total/NA	Solid	5035	
890-472-27	TP5-6	Total/NA	Solid	5035	
890-472-28	TP5-8	Total/NA	Solid	5035	
890-472-29	TP4-5	Total/NA	Solid	5035	
890-472-30	TP4-2	Total/NA	Solid	5035	
890-472-31	TP4-4	Total/NA	Solid	5035	
890-472-32	TP4-6	Total/NA	Solid	5035	
890-472-33	TP4-8	Total/NA	Solid	5035	
890-472-34	TP4-10	Total/NA	Solid	5035	
890-472-35	TP6-5	Total/NA	Solid	5035	
890-472-36	TP6-2	Total/NA	Solid	5035	
890-472-37	TP6-4	Total/NA	Solid	5035	
890-472-38	TP6-6	Total/NA	Solid	5035	
890-472-39	TP6-8	Total/NA	Solid	5035	
890-472-40	TP6-10	Total/NA	Solid	5035	
MB 880-1479/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1479/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1479/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-472-21 MS	TP11-5	Total/NA	Solid	5035	
890-472-21 MSD	TP11-5	Total/NA	Solid	5035	

## Prep Batch: 1480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-41	TP7-5	Total/NA	Solid	5035	
890-472-42	TP7-2	Total/NA	Solid	5035	
890-472-43	TP7-4	Total/NA	Solid	5035	
890-472-44	TP7-6	Total/NA	Solid	5035	
MB 880-1480/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1480/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1480/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-472-41 MS	TP7-5	Total/NA	Solid	5035	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## GC VOA (Continued)

## Prep Batch: 1480 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-41 MSD	TP7-5	Total/NA	Solid	5035	

## Prep Batch: 1506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1506/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 1507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-1	TP12-5	Total/NA	Solid	5035	
890-472-2	TP12-2	Total/NA	Solid	5035	
890-472-3	TP12-6	Total/NA	Solid	5035	
890-472-4	TP9-5	Total/NA	Solid	5035	
MB 880-1507/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1507/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1507/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 1508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-1	TP12-5	Total/NA	Solid	8021B	1507
890-472-2	TP12-2	Total/NA	Solid	8021B	1507
890-472-3	TP12-6	Total/NA	Solid	8021B	1507
890-472-4	TP9-5	Total/NA	Solid	8021B	1507
MB 880-1506/5-A	Method Blank	Total/NA	Solid	8021B	1506
MB 880-1507/5-A	Method Blank	Total/NA	Solid	8021B	1507
LCS 880-1507/1-A	Lab Control Sample	Total/NA	Solid	8021B	1507
LCSD 880-1507/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1507

## Prep Batch: 1511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-13	TP2-7	Total/NA	Solid	5035	
MB 880-1511/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1511/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1511/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-472-13 MS	TP2-7	Total/NA	Solid	5035	
890-472-13 MSD	TP2-7	Total/NA	Solid	5035	

## Analysis Batch: 1527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-41	TP7-5	Total/NA	Solid	8021B	1480
890-472-42	TP7-2	Total/NA	Solid	8021B	1480
890-472-43	TP7-4	Total/NA	Solid	8021B	1480
890-472-44	TP7-6	Total/NA	Solid	8021B	1480
MB 880-1480/5-A	Method Blank	Total/NA	Solid	8021B	1480
MB 880-1527/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-1480/1-A	Lab Control Sample	Total/NA	Solid	8021B	1480
LCSD 880-1480/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1480
890-472-41 MS	TP7-5	Total/NA	Solid	8021B	1480
890-472-41 MSD	TP7-5	Total/NA	Solid	8021B	1480

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## GC VOA

## Prep Batch: 1560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1560/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1560/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1560/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-472-4 MS	TP9-5	Total/NA	Solid	5035	
890-472-4 MSD	TP9-5	Total/NA	Solid	5035	

## Analysis Batch: 1562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1560/5-A	Method Blank	Total/NA	Solid	8021B	1560
LCS 880-1560/1-A	Lab Control Sample	Total/NA	Solid	8021B	1560
LCSD 880-1560/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1560
890-472-4 MS	TP9-5	Total/NA	Solid	8021B	1560
890-472-4 MSD	TP9-5	Total/NA	Solid	8021B	1560

## Analysis Batch: 1569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-13	TP2-7	Total/NA	Solid	8021B	1511
MB 880-1511/5-A	Method Blank	Total/NA	Solid	8021B	1511
LCS 880-1511/1-A	Lab Control Sample	Total/NA	Solid	8021B	1511
LCSD 880-1511/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1511
890-472-13 MS	TP2-7	Total/NA	Solid	8021B	1511
890-472-13 MSD	TP2-7	Total/NA	Solid	8021B	1511

## GC Semi VOA

## Analysis Batch: 1310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-1	TP12-5	Total/NA	Solid	8015B NM	1337
890-472-2	TP12-2	Total/NA	Solid	8015B NM	1337
890-472-3	TP12-6	Total/NA	Solid	8015B NM	1337
890-472-4	TP9-5	Total/NA	Solid	8015B NM	1337
890-472-5	TP9-2	Total/NA	Solid	8015B NM	1337
890-472-6	TP9-6	Total/NA	Solid	8015B NM	1337
890-472-7	TP1-5	Total/NA	Solid	8015B NM	1337
890-472-8	TP1-2	Total/NA	Solid	8015B NM	1337
MB 880-1337/1-A	Method Blank	Total/NA	Solid	8015B NM	1337
LCS 880-1337/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1337
LCSD 880-1337/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1337
890-472-1 MS	TP12-5	Total/NA	Solid	8015B NM	1337
890-472-1 MSD	TP12-5	Total/NA	Solid	8015B NM	1337

## Analysis Batch: 1312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-9	TP1-6	Total/NA	Solid	8015B NM	1337
890-472-10	TP2-5	Total/NA	Solid	8015B NM	1337
890-472-11	TP2-2	Total/NA	Solid	8015B NM	1337
890-472-12	TP2-4	Total/NA	Solid	8015B NM	1337
890-472-13	TP2-7	Total/NA	Solid	8015B NM	1337
890-472-14	TP10-5	Total/NA	Solid	8015B NM	1337
890-472-15	TP10-2	Total/NA	Solid	8015B NM	1337
890-472-16	TP10-6	Total/NA	Solid	8015B NM	1337

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## GC Semi VOA (Continued)

## Analysis Batch: 1312 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-17	TP3-5	Total/NA	Solid	8015B NM	1337
890-472-18	TP3-2	Total/NA	Solid	8015B NM	1337
890-472-19	TP3-4	Total/NA	Solid	8015B NM	1337
890-472-20	TP3-7	Total/NA	Solid	8015B NM	1337

## Prep Batch: 1337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-1	TP12-5	Total/NA	Solid	8015NM Prep	
890-472-2	TP12-2	Total/NA	Solid	8015NM Prep	
890-472-3	TP12-6	Total/NA	Solid	8015NM Prep	
890-472-4	TP9-5	Total/NA	Solid	8015NM Prep	
890-472-5	TP9-2	Total/NA	Solid	8015NM Prep	
890-472-6	TP9-6	Total/NA	Solid	8015NM Prep	
890-472-7	TP1-5	Total/NA	Solid	8015NM Prep	
890-472-8	TP1-2	Total/NA	Solid	8015NM Prep	
890-472-9	TP1-6	Total/NA	Solid	8015NM Prep	
890-472-10	TP2-5	Total/NA	Solid	8015NM Prep	
890-472-11	TP2-2	Total/NA	Solid	8015NM Prep	
890-472-12	TP2-4	Total/NA	Solid	8015NM Prep	
890-472-13	TP2-7	Total/NA	Solid	8015NM Prep	
890-472-14	TP10-5	Total/NA	Solid	8015NM Prep	
890-472-15	TP10-2	Total/NA	Solid	8015NM Prep	
890-472-16	TP10-6	Total/NA	Solid	8015NM Prep	
890-472-17	TP3-5	Total/NA	Solid	8015NM Prep	
890-472-18	TP3-2	Total/NA	Solid	8015NM Prep	
890-472-19	TP3-4	Total/NA	Solid	8015NM Prep	
890-472-20	TP3-7	Total/NA	Solid	8015NM Prep	
MB 880-1337/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1337/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1337/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-472-1 MS	TP12-5	Total/NA	Solid	8015NM Prep	
890-472-1 MSD	TP12-5	Total/NA	Solid	8015NM Prep	

## Prep Batch: 1342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-21	TP11-5	Total/NA	Solid	8015NM Prep	
890-472-23	TP11-6	Total/NA	Solid	8015NM Prep	
890-472-24	TP5-5	Total/NA	Solid	8015NM Prep	
890-472-25	TP5-2	Total/NA	Solid	8015NM Prep	
890-472-26	TP5-4	Total/NA	Solid	8015NM Prep	
890-472-27	TP5-6	Total/NA	Solid	8015NM Prep	
890-472-28	TP5-8	Total/NA	Solid	8015NM Prep	
890-472-29	TP4-5	Total/NA	Solid	8015NM Prep	
890-472-30	TP4-2	Total/NA	Solid	8015NM Prep	
890-472-31	TP4-4	Total/NA	Solid	8015NM Prep	
890-472-32	TP4-6	Total/NA	Solid	8015NM Prep	
890-472-33	TP4-8	Total/NA	Solid	8015NM Prep	
890-472-34	TP4-10	Total/NA	Solid	8015NM Prep	
890-472-35	TP6-5	Total/NA	Solid	8015NM Prep	
890-472-36	TP6-2	Total/NA	Solid	8015NM Prep	
890-472-37	TP6-4	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## GC Semi VOA (Continued)

## Prep Batch: 1342 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-38	TP6-6	Total/NA	Solid	8015NM Prep	
890-472-39	TP6-8	Total/NA	Solid	8015NM Prep	
890-472-40	TP6-10	Total/NA	Solid	8015NM Prep	
MB 880-1342/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1342/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1342/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-472-21 MS	TP11-5	Total/NA	Solid	8015NM Prep	
890-472-21 MSD	TP11-5	Total/NA	Solid	8015NM Prep	

## Prep Batch: 1356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-41	TP7-5	Total/NA	Solid	8015NM Prep	
890-472-42	TP7-2	Total/NA	Solid	8015NM Prep	
890-472-43	TP7-4	Total/NA	Solid	8015NM Prep	
890-472-44	TP7-6	Total/NA	Solid	8015NM Prep	
890-472-45	TP7-8	Total/NA	Solid	8015NM Prep	
890-472-46	TP7-10	Total/NA	Solid	8015NM Prep	
890-472-47	TP8-5	Total/NA	Solid	8015NM Prep	
890-472-48	TP8-2	Total/NA	Solid	8015NM Prep	
890-472-49	TP8-4	Total/NA	Solid	8015NM Prep	
890-472-50	TP8-6	Total/NA	Solid	8015NM Prep	
890-472-51	TP8-8	Total/NA	Solid	8015NM Prep	
890-472-52	TP8-10	Total/NA	Solid	8015NM Prep	
MB 880-1356/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1356/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1356/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-472-41 MS	TP7-5	Total/NA	Solid	8015NM Prep	
890-472-41 MSD	TP7-5	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 1360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-21	TP11-5	Total/NA	Solid	8015B NM	1342
890-472-23	TP11-6	Total/NA	Solid	8015B NM	1342
890-472-24	TP5-5	Total/NA	Solid	8015B NM	1342
890-472-25	TP5-2	Total/NA	Solid	8015B NM	1342
890-472-26	TP5-4	Total/NA	Solid	8015B NM	1342
890-472-27	TP5-6	Total/NA	Solid	8015B NM	1342
890-472-28	TP5-8	Total/NA	Solid	8015B NM	1342
890-472-29	TP4-5	Total/NA	Solid	8015B NM	1342
890-472-30	TP4-2	Total/NA	Solid	8015B NM	1342
890-472-31	TP4-4	Total/NA	Solid	8015B NM	1342
890-472-32	TP4-6	Total/NA	Solid	8015B NM	1342
890-472-33	TP4-8	Total/NA	Solid	8015B NM	1342
890-472-34	TP4-10	Total/NA	Solid	8015B NM	1342
890-472-35	TP6-5	Total/NA	Solid	8015B NM	1342
890-472-36	TP6-2	Total/NA	Solid	8015B NM	1342
890-472-37	TP6-4	Total/NA	Solid	8015B NM	1342
890-472-38	TP6-6	Total/NA	Solid	8015B NM	1342
890-472-39	TP6-8	Total/NA	Solid	8015B NM	1342
890-472-40	TP6-10	Total/NA	Solid	8015B NM	1342
MB 880-1342/1-A	Method Blank	Total/NA	Solid	8015B NM	1342

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## GC Semi VOA (Continued)

## Analysis Batch: 1360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-1342/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1342
LCSD 880-1342/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1342
890-472-21 MS	TP11-5	Total/NA	Solid	8015B NM	1342
890-472-21 MSD	TP11-5	Total/NA	Solid	8015B NM	1342

## Analysis Batch: 1362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-22	TP11-2	Total/NA	Solid	8015B NM	1378
890-472-41	TP7-5	Total/NA	Solid	8015B NM	1356
890-472-42	TP7-2	Total/NA	Solid	8015B NM	1356
890-472-43	TP7-4	Total/NA	Solid	8015B NM	1356
890-472-44	TP7-6	Total/NA	Solid	8015B NM	1356
890-472-45	TP7-8	Total/NA	Solid	8015B NM	1356
890-472-46	TP7-10	Total/NA	Solid	8015B NM	1356
890-472-47	TP8-5	Total/NA	Solid	8015B NM	1356
890-472-48	TP8-2	Total/NA	Solid	8015B NM	1356
890-472-49	TP8-4	Total/NA	Solid	8015B NM	1356
890-472-50	TP8-6	Total/NA	Solid	8015B NM	1356
890-472-51	TP8-8	Total/NA	Solid	8015B NM	1356
890-472-52	TP8-10	Total/NA	Solid	8015B NM	1356
MB 880-1356/1-A	Method Blank	Total/NA	Solid	8015B NM	1356
MB 880-1378/1-A	Method Blank	Total/NA	Solid	8015B NM	1378
LCS 880-1356/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1356
LCS 880-1378/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1378
LCSD 880-1356/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1356
LCSD 880-1378/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1378
890-472-41 MS	TP7-5	Total/NA	Solid	8015B NM	1356
890-472-41 MSD	TP7-5	Total/NA	Solid	8015B NM	1356

## Prep Batch: 1378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-22	TP11-2	Total/NA	Solid	8015NM Prep	
MB 880-1378/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1378/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1378/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 1419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1432/1-A	Method Blank	Total/NA	Solid	8015B NM	1432
LCS 880-1432/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1432
LCSD 880-1432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1432

## Prep Batch: 1432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1432/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1432/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## HPLC/IC

## Leach Batch: 1679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-50	TP8-6	Soluble	Solid	DI Leach	
890-472-51	TP8-8	Soluble	Solid	DI Leach	
890-472-52	TP8-10	Soluble	Solid	DI Leach	
MB 880-1679/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1679/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1679/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-472-50 MS	TP8-6	Soluble	Solid	DI Leach	
890-472-50 MSD	TP8-6	Soluble	Solid	DI Leach	

## Leach Batch: 1719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-1	TP12-5	Soluble	Solid	DI Leach	
890-472-2	TP12-2	Soluble	Solid	DI Leach	
890-472-3	TP12-6	Soluble	Solid	DI Leach	
890-472-4	TP9-5	Soluble	Solid	DI Leach	
890-472-5	TP9-2	Soluble	Solid	DI Leach	
890-472-6	TP9-6	Soluble	Solid	DI Leach	
890-472-7	TP1-5	Soluble	Solid	DI Leach	
890-472-8	TP1-2	Soluble	Solid	DI Leach	
890-472-9	TP1-6	Soluble	Solid	DI Leach	
890-472-10	TP2-5	Soluble	Solid	DI Leach	
MB 880-1719/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1719/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1719/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-472-2 MS	TP12-2	Soluble	Solid	DI Leach	
890-472-2 MSD	TP12-2	Soluble	Solid	DI Leach	

## Leach Batch: 1720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-11	TP2-2	Soluble	Solid	DI Leach	
890-472-12	TP2-4	Soluble	Solid	DI Leach	
890-472-13	TP2-7	Soluble	Solid	DI Leach	
890-472-14	TP10-5	Soluble	Solid	DI Leach	
890-472-15	TP10-2	Soluble	Solid	DI Leach	
890-472-16	TP10-6	Soluble	Solid	DI Leach	
890-472-17	TP3-5	Soluble	Solid	DI Leach	
890-472-18	TP3-2	Soluble	Solid	DI Leach	
890-472-19	TP3-4	Soluble	Solid	DI Leach	
890-472-20	TP3-7	Soluble	Solid	DI Leach	
890-472-21	TP11-5	Soluble	Solid	DI Leach	
890-472-22	TP11-2	Soluble	Solid	DI Leach	
890-472-23	TP11-6	Soluble	Solid	DI Leach	
890-472-24	TP5-5	Soluble	Solid	DI Leach	
890-472-25	TP5-2	Soluble	Solid	DI Leach	
890-472-26	TP5-4	Soluble	Solid	DI Leach	
890-472-27	TP5-6	Soluble	Solid	DI Leach	
890-472-28	TP5-8	Soluble	Solid	DI Leach	
890-472-29	TP4-5	Soluble	Solid	DI Leach	
890-472-30	TP4-2	Soluble	Solid	DI Leach	
MB 880-1720/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1720/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## HPLC/IC (Continued)

## Leach Batch: 1720 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-1720/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-472-11 MS	TP2-2	Soluble	Solid	DI Leach	
890-472-11 MSD	TP2-2	Soluble	Solid	DI Leach	
890-472-21 MS	TP11-5	Soluble	Solid	DI Leach	
890-472-21 MSD	TP11-5	Soluble	Solid	DI Leach	

## Analysis Batch: 1746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-50	TP8-6	Soluble	Solid	300.0	1679
890-472-51	TP8-8	Soluble	Solid	300.0	1679
890-472-52	TP8-10	Soluble	Solid	300.0	1679
MB 880-1679/1-A	Method Blank	Soluble	Solid	300.0	1679
LCS 880-1679/2-A	Lab Control Sample	Soluble	Solid	300.0	1679
LCSD 880-1679/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1679
890-472-50 MS	TP8-6	Soluble	Solid	300.0	1679
890-472-50 MSD	TP8-6	Soluble	Solid	300.0	1679

## Leach Batch: 1761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-41	TP7-5	Soluble	Solid	DI Leach	
890-472-42	TP7-2	Soluble	Solid	DI Leach	
890-472-43	TP7-4	Soluble	Solid	DI Leach	
890-472-44	TP7-6	Soluble	Solid	DI Leach	
890-472-45	TP7-8	Soluble	Solid	DI Leach	
890-472-46	TP7-10	Soluble	Solid	DI Leach	
890-472-47	TP8-5	Soluble	Solid	DI Leach	
890-472-48	TP8-2	Soluble	Solid	DI Leach	
890-472-49	TP8-4	Soluble	Solid	DI Leach	
MB 880-1761/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1761/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1761/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Leach Batch: 1762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-31	TP4-4	Soluble	Solid	DI Leach	
890-472-32	TP4-6	Soluble	Solid	DI Leach	
890-472-33	TP4-8	Soluble	Solid	DI Leach	
890-472-34	TP4-10	Soluble	Solid	DI Leach	
890-472-35	TP6-5	Soluble	Solid	DI Leach	
890-472-36	TP6-2	Soluble	Solid	DI Leach	
890-472-37	TP6-4	Soluble	Solid	DI Leach	
890-472-38	TP6-6	Soluble	Solid	DI Leach	
890-472-39	TP6-8	Soluble	Solid	DI Leach	
890-472-40	TP6-10	Soluble	Solid	DI Leach	
MB 880-1762/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1762/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1762/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-472-31 MS	TP4-4	Soluble	Solid	DI Leach	
890-472-31 MSD	TP4-4	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## HPLC/IC

## Analysis Batch: 1853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-11	TP2-2	Soluble	Solid	300.0	1720
890-472-12	TP2-4	Soluble	Solid	300.0	1720
890-472-13	TP2-7	Soluble	Solid	300.0	1720
890-472-14	TP10-5	Soluble	Solid	300.0	1720
890-472-15	TP10-2	Soluble	Solid	300.0	1720
890-472-16	TP10-6	Soluble	Solid	300.0	1720
890-472-17	TP3-5	Soluble	Solid	300.0	1720
890-472-18	TP3-2	Soluble	Solid	300.0	1720
890-472-19	TP3-4	Soluble	Solid	300.0	1720
890-472-20	TP3-7	Soluble	Solid	300.0	1720
890-472-21	TP11-5	Soluble	Solid	300.0	1720
890-472-22	TP11-2	Soluble	Solid	300.0	1720
890-472-23	TP11-6	Soluble	Solid	300.0	1720
890-472-24	TP5-5	Soluble	Solid	300.0	1720
890-472-25	TP5-2	Soluble	Solid	300.0	1720
890-472-26	TP5-4	Soluble	Solid	300.0	1720
890-472-27	TP5-6	Soluble	Solid	300.0	1720
890-472-28	TP5-8	Soluble	Solid	300.0	1720
890-472-29	TP4-5	Soluble	Solid	300.0	1720
890-472-30	TP4-2	Soluble	Solid	300.0	1720
MB 880-1720/1-A	Method Blank	Soluble	Solid	300.0	1720
LCS 880-1720/2-A	Lab Control Sample	Soluble	Solid	300.0	1720
LCSD 880-1720/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1720
890-472-11 MS	TP2-2	Soluble	Solid	300.0	1720
890-472-11 MSD	TP2-2	Soluble	Solid	300.0	1720
890-472-21 MS	TP11-5	Soluble	Solid	300.0	1720
890-472-21 MSD	TP11-5	Soluble	Solid	300.0	1720

## Analysis Batch: 1857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-1	TP12-5	Soluble	Solid	300.0	1719
890-472-2	TP12-2	Soluble	Solid	300.0	1719
890-472-3	TP12-6	Soluble	Solid	300.0	1719
890-472-4	TP9-5	Soluble	Solid	300.0	1719
890-472-5	TP9-2	Soluble	Solid	300.0	1719
890-472-6	TP9-6	Soluble	Solid	300.0	1719
890-472-7	TP1-5	Soluble	Solid	300.0	1719
890-472-8	TP1-2	Soluble	Solid	300.0	1719
890-472-9	TP1-6	Soluble	Solid	300.0	1719
890-472-10	TP2-5	Soluble	Solid	300.0	1719
MB 880-1719/1-A	Method Blank	Soluble	Solid	300.0	1719
LCS 880-1719/2-A	Lab Control Sample	Soluble	Solid	300.0	1719
LCSD 880-1719/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1719
890-472-2 MS	TP12-2	Soluble	Solid	300.0	1719
890-472-2 MSD	TP12-2	Soluble	Solid	300.0	1719

## Analysis Batch: 1935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-41	TP7-5	Soluble	Solid	300.0	1761
890-472-42	TP7-2	Soluble	Solid	300.0	1761
890-472-43	TP7-4	Soluble	Solid	300.0	1761

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## QC Association Summary

Client: GHD Services Inc.  
 Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
 SDG: 11224668

## HPLC/IC (Continued)

## Analysis Batch: 1935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-44	TP7-6	Soluble	Solid	300.0	1761
890-472-45	TP7-8	Soluble	Solid	300.0	1761
890-472-46	TP7-10	Soluble	Solid	300.0	1761
890-472-47	TP8-5	Soluble	Solid	300.0	1761
890-472-48	TP8-2	Soluble	Solid	300.0	1761
890-472-49	TP8-4	Soluble	Solid	300.0	1761
MB 880-1761/1-A	Method Blank	Soluble	Solid	300.0	1761
LCS 880-1761/2-A	Lab Control Sample	Soluble	Solid	300.0	1761
LCSD 880-1761/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1761

## Analysis Batch: 1936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-472-31	TP4-4	Soluble	Solid	300.0	1762
890-472-32	TP4-6	Soluble	Solid	300.0	1762
890-472-33	TP4-8	Soluble	Solid	300.0	1762
890-472-34	TP4-10	Soluble	Solid	300.0	1762
890-472-35	TP6-5	Soluble	Solid	300.0	1762
890-472-36	TP6-2	Soluble	Solid	300.0	1762
890-472-37	TP6-4	Soluble	Solid	300.0	1762
890-472-38	TP6-6	Soluble	Solid	300.0	1762
890-472-39	TP6-8	Soluble	Solid	300.0	1762
890-472-40	TP6-10	Soluble	Solid	300.0	1762
MB 880-1762/1-A	Method Blank	Soluble	Solid	300.0	1762
LCS 880-1762/2-A	Lab Control Sample	Soluble	Solid	300.0	1762
LCSD 880-1762/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1762
890-472-31 MS	TP4-4	Soluble	Solid	300.0	1762
890-472-31 MSD	TP4-4	Soluble	Solid	300.0	1762

## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP12-5

Date Collected: 03/31/21 10:10

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	1507	04/08/21 10:31	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1508	04/09/21 08:37	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1310	04/06/21 01:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	1719	04/13/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		1			1857	04/16/21 06:42	SC	XEN MID

## Client Sample ID: TP12-2

Date Collected: 03/31/21 10:20

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	1507	04/08/21 10:31	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1508	04/09/21 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1310	04/06/21 02:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	1719	04/13/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		1			1857	04/16/21 06:48	SC	XEN MID

## Client Sample ID: TP12-6

Date Collected: 03/31/21 10:25

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-3

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			4.99 g	5 mL	1507	04/08/21 10:31	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1508	04/09/21 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1310	04/06/21 03:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	1719	04/13/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		1			1857	04/16/21 07:03	SC	XEN MID

## Client Sample ID: TP9-5

Date Collected: 03/31/21 10:30

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	1507	04/08/21 10:31	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1508	04/09/21 11:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1310	04/06/21 03:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	1719	04/13/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		1			1857	04/16/21 07:08	SC	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP9-2

Date Collected: 03/31/21 10:40

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-5

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			5.01 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 03:49	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1310	04/06/21 03:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	1719	04/13/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		1			1857	04/16/21 07:23	SC	XEN MID

## Client Sample ID: TP9-6

Date Collected: 03/31/21 10:45

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 04:09	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1310	04/06/21 04:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	1719	04/13/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		1			1857	04/16/21 11:24	SC	XEN MID

## Client Sample ID: TP1-5

Date Collected: 03/31/21 10:50

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-7

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			4.99 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 04:30	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1310	04/06/21 04:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	1719	04/13/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		1			1857	04/16/21 11:29	SC	XEN MID

## Client Sample ID: TP1-2

Date Collected: 03/31/21 10:55

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-8

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			4.95 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 04:50	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1310	04/06/21 04:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	1719	04/13/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		1			1857	04/16/21 11:35	SC	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP1-6

Date Collected: 03/31/21 11:00

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-9

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			4.98 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 05:11	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 00:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	1719	04/13/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		1			1857	04/16/21 11:40	SC	XEN MID

## Client Sample ID: TP2-5

Date Collected: 03/31/21 11:05

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-10

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			4.99 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 05:31	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 00:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	1719	04/13/21 12:08	CH	XEN MID
Soluble	Analysis	300.0		1			1857	04/16/21 07:33	SC	XEN MID

## Client Sample ID: TP2-2

Date Collected: 03/31/21 11:10

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 05:51	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 01:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/16/21 22:44	WP	XEN MID

## Client Sample ID: TP2-4

Date Collected: 03/31/21 11:15

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 06:12	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 01:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/16/21 22:59	WP	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP2-7

Date Collected: 03/31/21 11:20

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	1511	04/08/21 11:09	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1569	04/09/21 12:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 02:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/16/21 23:04	WP	XEN MID

## Client Sample ID: TP10-5

Date Collected: 03/31/21 11:25

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 09:03	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 02:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/16/21 23:09	WP	XEN MID

## Client Sample ID: TP10-2

Date Collected: 03/31/21 11:30

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-15

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			5.04 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 09:24	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 02:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/16/21 23:14	WP	XEN MID

## Client Sample ID: TP10-6

Date Collected: 03/31/21 11:35

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-16

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			5.02 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 09:44	MR	XEN MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 03:05	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/16/21 23:30	WP	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP3-5

Date Collected: 03/31/21 11:40

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-17

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			5.01 g	5 mL	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 10:04	MR	XEN MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 03:26	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/16/21 23:35	WP	XEN MID

## Client Sample ID: TP3-2

Date Collected: 03/31/21 11:45

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-18

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	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 10:25	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 03:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/16/21 23:40	WP	XEN MID

## Client Sample ID: TP3-4

Date Collected: 03/31/21 11:50

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-19

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	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 10:45	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 04:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/16/21 23:45	WP	XEN MID

## Client Sample ID: TP3-7

Date Collected: 03/31/21 11:55

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-20

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	1469	04/07/21 13:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1444	04/08/21 11:06	MR	XEN MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	1337	04/05/21 15:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1312	04/06/21 04:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/16/21 23:50	WP	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP11-5

Date Collected: 03/31/21 12:00

Date Received: 04/01/21 11:32

Lab Sample ID: 890-472-21

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			5.0 g	5 mL	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 01:51	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 12:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/16/21 23:55	WP	XEN MID

Client Sample ID: TP11-2

Date Collected: 03/31/21 12:05

Date Received: 04/01/21 11:32

Lab Sample ID: 890-472-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 02:16	MR	XEN MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	1378	04/06/21 13:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/07/21 06:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/17/21 00:11	WP	XEN MID

Client Sample ID: TP11-6

Date Collected: 03/31/21 12:15

Date Received: 04/01/21 11:32

Lab Sample ID: 890-472-23

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 02:41	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 14:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/17/21 00:16	WP	XEN MID

Client Sample ID: TP5-5

Date Collected: 03/31/21 12:50

Date Received: 04/01/21 11:32

Lab Sample ID: 890-472-24

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 03:07	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 14:41	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/17/21 00:31	WP	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP5-2

Date Collected: 03/31/21 13:00

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-25

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 03:32	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 15:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/17/21 00:36	WP	XEN MID

## Client Sample ID: TP5-4

Date Collected: 03/31/21 13:05

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-26

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 03:57	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 15:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/17/21 00:41	WP	XEN MID

## Client Sample ID: TP5-6

Date Collected: 03/31/21 13:10

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-27

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			4.95 g	5 mL	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 04:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 15:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/17/21 00:46	WP	XEN MID

## Client Sample ID: TP5-8

Date Collected: 03/31/21 13:15

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-28

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 04:48	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 16:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/17/21 00:51	WP	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP4-5

Date Collected: 03/31/21 13:20

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-29

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 05:13	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 16:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/17/21 00:56	WP	XEN MID

## Client Sample ID: TP4-2

Date Collected: 03/31/21 13:25

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 05:39	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 16:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	1720	04/13/21 12:10	CH	XEN MID
Soluble	Analysis	300.0		1			1853	04/17/21 01:01	WP	XEN MID

## Client Sample ID: TP4-4

Date Collected: 03/31/21 13:30

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-31

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			4.95 g	5 mL	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 07:20	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 17:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	1762	04/14/21 08:49	CH	XEN MID
Soluble	Analysis	300.0		1			1936	04/18/21 12:35	WP	XEN MID

## Client Sample ID: TP4-6

Date Collected: 03/31/21 13:35

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-32

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 07:45	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 17:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	1762	04/14/21 08:49	CH	XEN MID
Soluble	Analysis	300.0		1			1936	04/18/21 12:50	WP	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP4-8

Date Collected: 03/31/21 13:40

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-33

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 08:10	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 18:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	1762	04/14/21 08:49	CH	XEN MID
Soluble	Analysis	300.0		1			1936	04/18/21 12:55	WP	XEN MID

## Client Sample ID: TP4-10

Date Collected: 03/31/21 13:45

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-34

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 08:35	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 18:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	1762	04/14/21 08:49	CH	XEN MID
Soluble	Analysis	300.0		1			1936	04/18/21 13:10	WP	XEN MID

## Client Sample ID: TP6-5

Date Collected: 03/31/21 13:50

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-35

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 09:00	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 18:56	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	1762	04/14/21 08:49	CH	XEN MID
Soluble	Analysis	300.0		1			1936	04/18/21 13:16	WP	XEN MID

## Client Sample ID: TP6-2

Date Collected: 03/31/21 13:55

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-36

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 10:05	MR	XEN MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 19:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	1762	04/14/21 08:49	CH	XEN MID
Soluble	Analysis	300.0		1			1936	04/18/21 13:21	WP	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP6-4

Date Collected: 03/31/21 14:00

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-37

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			4.95 g	5 mL	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 10:30	MR	XEN MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 19:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	1762	04/14/21 08:49	CH	XEN MID
Soluble	Analysis	300.0		1			1936	04/18/21 13:26	WP	XEN MID

## Client Sample ID: TP6-6

Date Collected: 03/31/21 14:05

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 10:55	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 20:01	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	1762	04/14/21 08:49	CH	XEN MID
Soluble	Analysis	300.0		1			1936	04/18/21 13:31	WP	XEN MID

## Client Sample ID: TP6-8

Date Collected: 03/31/21 14:10

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-39

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 11:19	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 20:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	1762	04/14/21 08:49	CH	XEN MID
Soluble	Analysis	300.0		1			1936	04/18/21 13:36	WP	XEN MID

## Client Sample ID: TP6-10

Date Collected: 03/31/21 14:15

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-40

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	1479	04/07/21 16:26	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1416	04/08/21 11:44	MR	XEN MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	1342	04/05/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1360	04/06/21 20:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	1762	04/14/21 08:49	CH	XEN MID
Soluble	Analysis	300.0		1			1936	04/18/21 13:41	WP	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Client Sample ID: TP7-5

Date Collected: 03/31/21 14:30

Date Received: 04/01/21 11:32

Lab Sample ID: 890-472-41

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	1480	04/08/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1527	04/09/21 03:06	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 12:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	1761	04/14/21 08:45	CH	XEN MID
Soluble	Analysis	300.0		1			1935	04/17/21 23:55	WP	XEN MID

Client Sample ID: TP7-2

Date Collected: 03/31/21 14:35

Date Received: 04/01/21 11:32

Lab Sample ID: 890-472-42

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	1480	04/08/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1527	04/09/21 03:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 13:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	1761	04/14/21 08:45	CH	XEN MID
Soluble	Analysis	300.0		1			1935	04/18/21 00:00	WP	XEN MID

Client Sample ID: TP7-4

Date Collected: 03/31/21 14:40

Date Received: 04/01/21 11:32

Lab Sample ID: 890-472-43

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	1480	04/08/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1527	04/09/21 03:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 14:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	1761	04/14/21 08:45	CH	XEN MID
Soluble	Analysis	300.0		1			1935	04/18/21 00:15	WP	XEN MID

Client Sample ID: TP7-6

Date Collected: 03/31/21 14:45

Date Received: 04/01/21 11:32

Lab Sample ID: 890-472-44

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	1480	04/08/21 15:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1527	04/09/21 04:07	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 14:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	1761	04/14/21 08:45	CH	XEN MID
Soluble	Analysis	300.0		1			1935	04/18/21 00:21	WP	XEN MID

Eurofins Carlsbad

## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP7-8

Date Collected: 03/31/21 14:50

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-45

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	1467	04/07/21 13:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1437	04/08/21 16:54	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 15:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	1761	04/14/21 08:45	CH	XEN MID
Soluble	Analysis	300.0		1			1935	04/18/21 00:26	WP	XEN MID

## Client Sample ID: TP7-10

Date Collected: 03/31/21 14:55

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-46

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	1467	04/07/21 13:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1437	04/08/21 17:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 15:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	1761	04/14/21 08:45	CH	XEN MID
Soluble	Analysis	300.0		1			1935	04/18/21 00:31	WP	XEN MID

## Client Sample ID: TP8-5

Date Collected: 03/31/21 15:00

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	1467	04/07/21 13:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1437	04/08/21 17:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 15:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	1761	04/14/21 08:45	CH	XEN MID
Soluble	Analysis	300.0		1			1935	04/18/21 00:36	WP	XEN MID

## Client Sample ID: TP8-2

Date Collected: 03/31/21 15:05

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-48

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	1467	04/07/21 13:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1437	04/08/21 17:56	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 16:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	1761	04/14/21 08:45	CH	XEN MID
Soluble	Analysis	300.0		1			1935	04/18/21 00:41	WP	XEN MID

Eurofins Carlsbad

## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

## Client Sample ID: TP8-4

Date Collected: 03/31/21 15:10

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-49

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	1467	04/07/21 13:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1437	04/08/21 18:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 16:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	1761	04/14/21 08:45	CH	XEN MID
Soluble	Analysis	300.0		1			1935	04/18/21 00:46	WP	XEN MID

## Client Sample ID: TP8-6

Date Collected: 03/31/21 15:15

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-50

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	1467	04/07/21 13:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1437	04/08/21 18:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 16:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	1679	04/12/21 16:07	CH	XEN MID
Soluble	Analysis	300.0		5			1746	04/13/21 18:18	CH	XEN MID

## Client Sample ID: TP8-8

Date Collected: 03/31/21 15:20

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-51

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	1467	04/07/21 13:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1437	04/08/21 18:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 17:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	1679	04/12/21 16:07	CH	XEN MID
Soluble	Analysis	300.0		1			1746	04/14/21 09:10	CH	XEN MID

## Client Sample ID: TP8-10

Date Collected: 03/31/21 15:25

Date Received: 04/01/21 11:32

## Lab Sample ID: 890-472-52

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	1467	04/07/21 13:33	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	1437	04/08/21 19:17	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	1356	04/06/21 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			1362	04/06/21 17:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	1679	04/12/21 16:07	CH	XEN MID
Soluble	Analysis	300.0		1			1746	04/14/21 09:16	CH	XEN MID

## Laboratory References:

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

Eurofins Carlsbad

### Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

#### 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	T104704400-21-22	06-30-21

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

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# Method Summary

Client: GHD Services Inc.  
Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
SDG: 11224668

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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.

**Laboratory References:**

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



# Sample Summary

Client: GHD Services Inc.  
 Project/Site: Yates Wayfarer AIY State #001

Job ID: 890-472-1  
 SDG: 11224668

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-472-1	TP12-5	Solid	03/31/21 10:10	04/01/21 11:32
890-472-2	TP12-2	Solid	03/31/21 10:20	04/01/21 11:32
890-472-3	TP12-6	Solid	03/31/21 10:25	04/01/21 11:32
890-472-4	TP9-5	Solid	03/31/21 10:30	04/01/21 11:32
890-472-5	TP9-2	Solid	03/31/21 10:40	04/01/21 11:32
890-472-6	TP9-6	Solid	03/31/21 10:45	04/01/21 11:32
890-472-7	TP1-5	Solid	03/31/21 10:50	04/01/21 11:32
890-472-8	TP1-2	Solid	03/31/21 10:55	04/01/21 11:32
890-472-9	TP1-6	Solid	03/31/21 11:00	04/01/21 11:32
890-472-10	TP2-5	Solid	03/31/21 11:05	04/01/21 11:32
890-472-11	TP2-2	Solid	03/31/21 11:10	04/01/21 11:32
890-472-12	TP2-4	Solid	03/31/21 11:15	04/01/21 11:32
890-472-13	TP2-7	Solid	03/31/21 11:20	04/01/21 11:32
890-472-14	TP10-5	Solid	03/31/21 11:25	04/01/21 11:32
890-472-15	TP10-2	Solid	03/31/21 11:30	04/01/21 11:32
890-472-16	TP10-6	Solid	03/31/21 11:35	04/01/21 11:32
890-472-17	TP3-5	Solid	03/31/21 11:40	04/01/21 11:32
890-472-18	TP3-2	Solid	03/31/21 11:45	04/01/21 11:32
890-472-19	TP3-4	Solid	03/31/21 11:50	04/01/21 11:32
890-472-20	TP3-7	Solid	03/31/21 11:55	04/01/21 11:32
890-472-21	TP11-5	Solid	03/31/21 12:00	04/01/21 11:32
890-472-22	TP11-2	Solid	03/31/21 12:05	04/01/21 11:32
890-472-23	TP11-6	Solid	03/31/21 12:15	04/01/21 11:32
890-472-24	TP5-5	Solid	03/31/21 12:50	04/01/21 11:32
890-472-25	TP5-2	Solid	03/31/21 13:00	04/01/21 11:32
890-472-26	TP5-4	Solid	03/31/21 13:05	04/01/21 11:32
890-472-27	TP5-6	Solid	03/31/21 13:10	04/01/21 11:32
890-472-28	TP5-8	Solid	03/31/21 13:15	04/01/21 11:32
890-472-29	TP4-5	Solid	03/31/21 13:20	04/01/21 11:32
890-472-30	TP4-2	Solid	03/31/21 13:25	04/01/21 11:32
890-472-31	TP4-4	Solid	03/31/21 13:30	04/01/21 11:32
890-472-32	TP4-6	Solid	03/31/21 13:35	04/01/21 11:32
890-472-33	TP4-8	Solid	03/31/21 13:40	04/01/21 11:32
890-472-34	TP4-10	Solid	03/31/21 13:45	04/01/21 11:32
890-472-35	TP6-5	Solid	03/31/21 13:50	04/01/21 11:32
890-472-36	TP6-2	Solid	03/31/21 13:55	04/01/21 11:32
890-472-37	TP6-4	Solid	03/31/21 14:00	04/01/21 11:32
890-472-38	TP6-6	Solid	03/31/21 14:05	04/01/21 11:32
890-472-39	TP6-8	Solid	03/31/21 14:10	04/01/21 11:32
890-472-40	TP6-10	Solid	03/31/21 14:15	04/01/21 11:32
890-472-41	TP7-5	Solid	03/31/21 14:30	04/01/21 11:32
890-472-42	TP7-2	Solid	03/31/21 14:35	04/01/21 11:32
890-472-43	TP7-4	Solid	03/31/21 14:40	04/01/21 11:32
890-472-44	TP7-6	Solid	03/31/21 14:45	04/01/21 11:32
890-472-45	TP7-8	Solid	03/31/21 14:50	04/01/21 11:32
890-472-46	TP7-10	Solid	03/31/21 14:55	04/01/21 11:32
890-472-47	TP8-5	Solid	03/31/21 15:00	04/01/21 11:32
890-472-48	TP8-2	Solid	03/31/21 15:05	04/01/21 11:32
890-472-49	TP8-4	Solid	03/31/21 15:10	04/01/21 11:32
890-472-50	TP8-6	Solid	03/31/21 15:15	04/01/21 11:32
890-472-51	TP8-8	Solid	03/31/21 15:20	04/01/21 11:32
890-472-52	TP8-10	Solid	03/31/21 15:25	04/01/21 11:32

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# CHAIN OF CUSTODY

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 Norcross, Georgia (770-449-8800)  
 Lakeland, Florida (863-946-8526)  
 Tampa, Florida (813-620-2000)

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes											
Company Name / Branch: GHDMidland Company Address: 2135 S. Loop 260 West Midland TX		Project Name/Number: Yates Wayfarer Aly State #001 / 11224668 Project Location: Eddy County, New Mexico		Xenoco Quota #		Xenoco Job #											
Email: becky_haskell@qhd.com Phone No: (432)260-7917 becky.haskell@qhd.com zach.comino@qhd.com tom.larson@qhd.com		Invoice To: EOG / James Kennedy		Xenoco Quota #		Xenoco Job #											
Project Contact: Becky Haskell / Glenn Quimney		PO Number: NA		Xenoco Quota #		Xenoco Job #											
Sampler's Name: Zach Comino		Field ID / Point of Collection		Xenoco Quota #		Xenoco Job #											
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600
1	TP2-2		03/20/21	1110	S										X	X	X
2	TP2-4		03/20/21	1115	S										X	X	X
3	TP2-7		03/20/21	1120	S										X	X	X
4	TP10-5		03/20/21	1125	S										X	X	X
5	TP10-2		03/20/21	1130	S										X	X	X
6	TP10-6		03/20/21	1135	S										X	X	X
7	TP3-5		03/20/21	1140	S										X	X	X
8	TP3-2		03/20/21	1145	S										X	X	X
9	TP3-4		03/20/21	1150	S										X	X	X
10	TP3-7		03/20/21	1155	S										X	X	X
Turnaround Time (Business days)		Data Deliverable Information		TPH By 8015 Mod (GRO, DRO & MRO)		BTEX 8021 B		Chloride 600									
<input type="checkbox"/> Same Day TAT		<input checked="" type="checkbox"/> 6 Day TAT		<input type="checkbox"/> Level II Std QC		<input type="checkbox"/> Level IV (Full Data Pkg raw data)											
<input type="checkbox"/> Next Day EMERGENCY		<input type="checkbox"/> 7 Day TAT		<input type="checkbox"/> Level III Std QC+ Forms		<input type="checkbox"/> TRRP Level IV											
<input type="checkbox"/> 2 Day EMERGENCY		<input type="checkbox"/> Contract TAT		<input type="checkbox"/> Level 3 (CLP Forms)		<input type="checkbox"/> UST / RG-411											
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist													
TAT Starts Day received by Lab, if received by 5:00 pm		Report Middle and J values.															
Relinquished by Sampler: <i>Becky Haskell</i>		Date Time: 03/20/21 11:32		Received By: <i>Zach Comino</i>		Date Time: 03/21/21 11:32		Received By: <i>Zach Comino</i>		Relinquished by: <i>Zach Comino</i>		Date Time: 03/21/21 11:32		Received By: <i>Zach Comino</i>		On Ice: <i>Spent Temp</i>	
Relinquished by: <i>Zach Comino</i>		Date Time: 03/20/21 11:32		Received By: <i>Zach Comino</i>		Date Time: 03/21/21 11:32		Received By: <i>Zach Comino</i>		Relinquished by: <i>Zach Comino</i>		Date Time: 03/21/21 11:32		Received By: <i>Zach Comino</i>		Thermo. Corr. Factor	
Relinquished by: <i>Zach Comino</i>		Date Time: 03/20/21 11:32		Received By: <i>Zach Comino</i>		Date Time: 03/21/21 11:32		Received By: <i>Zach Comino</i>		Relinquished by: <i>Zach Comino</i>		Date Time: 03/21/21 11:32		Received By: <i>Zach Comino</i>		Thermo. Corr. Factor	
Relinquished by: <i>Zach Comino</i>		Date Time: 03/20/21 11:32		Received By: <i>Zach Comino</i>		Date Time: 03/21/21 11:32		Received By: <i>Zach Comino</i>		Relinquished by: <i>Zach Comino</i>		Date Time: 03/21/21 11:32		Received By: <i>Zach Comino</i>		Thermo. Corr. Factor	



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 Norcross, Georgia (770-449-8800)  
 Lakeland, Florida (863-646-8526)  
 Tampa, Florida (813-620-2000)

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes													
Company Name / Branch: GHD/Midland		Project Name/Number: Yates Wayfarer Aly State #001 / 11224668																	
Company Address: 2136 S. Loop 280 West Midland TX		Project Location: Eddy County, New Mexico																	
Email: becky.haskell@ghd.com glenn.quinney@ghd.com		Invoice To: EOG / James Kennedy																	
Phone No: (432)260-7917 zach.cornino@ghd.com tom.larson@ghd.com		PO Number: NA																	
Project Contract: Becky Haskell / Glenn Quinney																			
Samplers Name Zach Cornino																			
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCI	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Field Comments	
1	TP11-S		03/20/21	1200	S									X	X	X			
2	TP11-2		03/20/21	1205	S									X	X	X			
3	TP11-6		03/20/21	1215	S									X	X	X			
4	TP5-S			1250	S									X	X	X			
5	TP5-2			1300	S									X	X	X			
6	TP5-4			1305	S									X	X	X			
7	TP5-6			1310	S									X	X	X			
8	TP5-8			1315	S									X	X	X			
9	TP4-S			1320	S									X	X	X			
10	TP4-2			1325	S									X	X	X			
Turnaround Time (Business days)																			
<input type="checkbox"/> Same Day TAT		<input checked="" type="checkbox"/> 6 Day TAT																	
<input type="checkbox"/> Next Day EMERGENCY		<input type="checkbox"/> 7 Day TAT																	
<input type="checkbox"/> 2 Day EMERGENCY		<input type="checkbox"/> Contract TAT																	
<input type="checkbox"/> 3 Day EMERGENCY		<input type="checkbox"/> TRRP Checklist																	
TAT Starts Day received by Lab, if received by 5:00 pm		Report MDLs and J values.																	
Relinquish by Sampler: <i>Zach Cornino</i>		Date Time: 03/20/21 10:00		Received By: <i>Cathy Drown</i>		Date Time: 4/1/22 11:22		Relinquished By: <i>Cathy Drown</i>		Date Time: 4/1/22 11:22		Received By: <i>CPA</i>		On Ice <input checked="" type="checkbox"/>		Cooler Temp. <i>1</i>		Thermo. Corr. Factor	
Relinquished by: <i>Zach Cornino</i>		Date Time: 03/20/21 10:00		Received By: <i>Cathy Drown</i>		Date Time: 4/1/22 11:22		Relinquished By: <i>Cathy Drown</i>		Date Time: 4/1/22 11:22		Received By: <i>CPA</i>		On Ice <input checked="" type="checkbox"/>		Cooler Temp. <i>1</i>		Thermo. Corr. Factor	
Relinquished by: <i>Zach Cornino</i>		Date Time: 03/20/21 10:00		Received By: <i>Cathy Drown</i>		Date Time: 4/1/22 11:22		Relinquished By: <i>Cathy Drown</i>		Date Time: 4/1/22 11:22		Received By: <i>CPA</i>		On Ice <input checked="" type="checkbox"/>		Cooler Temp. <i>1</i>		Thermo. Corr. Factor	
Relinquished by: <i>Zach Cornino</i>		Date Time: 03/20/21 10:00		Received By: <i>Cathy Drown</i>		Date Time: 4/1/22 11:22		Relinquished By: <i>Cathy Drown</i>		Date Time: 4/1/22 11:22		Received By: <i>CPA</i>		On Ice <input checked="" type="checkbox"/>		Cooler Temp. <i>1</i>		Thermo. Corr. Factor	



CHAIN OF CUSTODY

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 Lakeland, Florida (863-646-8526)  
 Tampa, Florida (813-620-2000)

**Client / Reporting Information**

Company Name / Branch: **GHD/Midland**  
 Company Address: 2135 S. Loop 250 West Midland TX  
 Email: becky.haskell@ghd.com Phone No: (432)250-7917  
 glenn.quinney@ghd.com Zach.comino@ghd.com  
 glenn.quinney@ghd.com tom.larson@ghd.com  
 Project Contact: **Becky Haskell / Glenn Quinney**  
 Sampler's Name: **Zach Comino**

**Project Information**

Project Name/Number: **Yates Wayfarer Aiy State #001 / 11224668**  
 Project Location: **Eddy County, New Mexico**  
 Invoice To: **EOG / James Kennedy**  
 PO Number: **NA**

**Analytical Information**

Xenoco Quote # \_\_\_\_\_ Xenoco Job # \_\_\_\_\_

**Matrix Codes**

S = Soil/Sed/Solid  
 GW = Ground Water  
 DW = Drinking Water  
 P = Product  
 SW = Surface water  
 SL = Sludge  
 OW = Ocean/Sea Water  
 W = Wipe  
 O = Oil  
 WW = Waste Water  
 A = Air

No.	Field ID / Point of Collection	Collection		Matrix	# of bottles	Number of preserved bottles							TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Field Comments
		Sample Depth	Date			Time	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4				
1	TP4-4		03/02/21	1330	S								X			
2	TP4-6		03/02/21	1335	S								X			
3	TP4-8			1340	S								X			
4	TP4-10			1345	S								X			
5	TP6-5			1350	S								X			
6	TP6-2			1355	S								X			
7	TR6-4			1400	S								X			
8	TR6-6			1405	S								X			
9	TR6-8			1410	S								X			
10	TR6-10			1415	S								X			

**Turnaround Time (Business days)**

Same Day TAT  5 Day TAT  Level II Std QC  Level IV (Full Data Pkg /raw data)

Next Day EMERGENCY  7 Day TAT  Level III Std QC+ Forms  TRRP Level IV

2 Day EMERGENCY  Contract TAT  Level 3 (CLP Forms)  UST / RG -411

3 Day EMERGENCY  TRRP Checklist

TAT Starts Day received by Lab, if received by 5:00 pm

**Report Middle and J values.**

**SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY**

Relinquished by Sampler:	Date Time:	Received By:	Date Time:	Relinquished by:	Date Time:	Received By:	Date Time:	Relinquished by:	Date Time:	Received By:	Date Time:	Relinquished by:	Date Time:	Received By:	Date Time:
1 <i>Zach Comino</i>	03/02/21 11:00	1 <i>Glenn Quinney</i>	03/02/21 11:32	2	03/02/21 11:32	2	03/02/21 11:32	3	03/02/21 11:32	3	03/02/21 11:32	4	03/02/21 11:32	4	03/02/21 11:32
3		4		5		6		7		8		9		10	

On Ice  Cooler Temp. Thermo. Corr. Factor \_\_\_\_\_

Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously negotiated under a fully executed client contract.



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Norcross, Georgia (770-449-8800)  
Lakeland, Florida (863-646-8526)  
Tampa, Florida (813-620-2000)

www.xenco.com

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes									
Company Name / Branch: GHD/Midland Company Address: 2135 S. Loop 250 West Midland TX		Project Name/Number: Yates Wayfarer Aly State #001 / 11224668		Project Location: Eddy County, New Mexico EOG / James Kennedy		Xenoco Quote #									
Email: becky.haskell@ghd.com Phone No: (432)260-7917 glenn.guiney@ghd.com Zach.comino@ghd.com tom.jarlson@ghd.com		Invoice To: EOG / James Kennedy		Xenoco Job #		On leg									
Project Contact: Becky Haskell / Glenn Guiney		PO Number: NA		TPH By 8015 Mod (GRO, DRO & MRO)		Cooler Temp. Thermo. Corr. Factor									
Sampler's Name: Zach Comino				BTEX 8021 B											
				Chloride 600											
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCI	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Field Comments
1	TP7-S		03/12/20	1430	S									X	
2	TP7-2		03/12/20	1435	S									X	
3	TP7-4		03/12/20	1440	S									X	
4	TP7-6		03/12/20	1445	S									X	
5	TP7-8		03/12/20	1450	S									X	
6	TP7-10		03/12/20	1455	S									X	
7	TP8-5		03/12/20	1500	S									X	
8	TP8-2		03/12/20	1505	S									X	
9	TP8-4		03/12/20	1510	S									X	
10	TP8-6		03/12/20	1515	S									X	



CHAIN OF CUSTODY

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Odessa, Texas (432-563-1800)  
 Norcross, Georgia (770-449-8800)  
 Lakeland, Florida (863-646-8526)  
 Tampa, Florida (813-620-2000)

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes													
Company Name / Branch: GH/D/Midland		Project Name/Number: Yates Wayfarer Aly State #001 / 11224688		Eddy County, New Mexico		S = Soil/Sed/Solid GW = Ground Water DW = Drinking Water P = Product SW = Surface water SL = Sludge OW = Ocean/Sea Water W = Wipe O = Oil WW = Waste Water A = Air													
Company Address: 2135 S. Loop 250 West Midland TX		Project Location: EOG / James Kennedy		Invoice To:															
Email: becky.haskell@ghd.com glenn.guinnney@ghd.com		Phone No: (432)260-2917 Zach.comino@ghd.com tom.larson@ghd.com		PO Number: NA															
Project Contact: Becky Haskell / Glenn Guinnney		Sampler's Name: Zach Comino																	
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Field Comments	
1	TPB-8		03/16/21	1520	S										X	X	X		
2	TPB-10		03/16/21	1525	S										X	X	X		
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
Turnaround Time (Business days)		Data Deliverable Information																	
<input type="checkbox"/> Same Day TAT		<input checked="" type="checkbox"/> 5 Day TAT		<input type="checkbox"/> Level II Std QC		<input type="checkbox"/> Level IV (Full Data Pig /raw data)													
<input type="checkbox"/> Next Day EMERGENCY		<input type="checkbox"/> 7 Day TAT		<input type="checkbox"/> Level III Std QC+ Forms		<input type="checkbox"/> TRRP Level IV													
<input type="checkbox"/> 2 Day EMERGENCY		<input type="checkbox"/> Contract TAT		<input type="checkbox"/> Level 3 (CLP Forms)		<input type="checkbox"/> UST / RG -411													
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist															
TAT Starts Day received by Lab, if received by 5:00 pm		Report MDLs and J values.																	
Relinquished by Sampler: 1		SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																	
Relinquished by: <i>Shayna</i>		Date Time: 03/16/21 11:32		Received By: 1 <i>Garret Danner</i>		Relinquished By: 2		Date Time: 03/16/21 11:32		Received By: 2		Date Time: 03/16/21 11:32		Received By: 2		Date Time: 03/16/21 11:32		Received By: 2	
Relinquished by: 3		Date Time: 03/16/21 11:32		Received By: 3		Relinquished By: 4		Date Time: 03/16/21 11:32		Received By: 4		Date Time: 03/16/21 11:32		Received By: 4		Date Time: 03/16/21 11:32		Received By: 4	
Relinquished by: 5		Date Time: 03/16/21 11:32		Received By: 5		Relinquished By: 6		Date Time: 03/16/21 11:32		Received By: 6		Date Time: 03/16/21 11:32		Received By: 6		Date Time: 03/16/21 11:32		Received By: 6	
On Ice		Cooler Temp.		Thermo, Corr. Factor															

### Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-472-1

SDG Number: 11224668

**Login Number: 472**

**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	

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### Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-472-1

SDG Number: 11224668

**Login Number: 472**

**List Number: 2**

**Creator: Copeland, Tatiana**

**List Source: Eurofins Midland**

**List Creation: 04/02/21 11:36 AM**

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.	True	
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").	True	

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Environment Testing  
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## ANALYTICAL REPORT

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

Laboratory Job ID: 890-1994-1  
Laboratory Sample Delivery Group: 11224668  
Client Project/Site: YATES WAYFARER AIY #1

For:  
GHD Services Inc.  
2135 South Loop 250 West  
Midland, Texas 79703

Attn: Becky Haskell

Authorized for release by:  
3/1/2022 12:31:01 PM

Debbie Simmons, Project Manager  
(832)986-6768  
[debbie.simmons@eurofinset.com](mailto:debbie.simmons@eurofinset.com)



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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.*

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Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Laboratory Job ID: 890-1994-1  
SDG: 11224668

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## Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low 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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

---

## Job ID: 890-1994-1

---

### Laboratory: Eurofins Carlsbad

#### Narrative

---

#### Job Narrative 890-1994-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/21/2022 1:27 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 24.0° C.

#### GC VOA

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

#### GC Semi VOA

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: TP8N-8 (890-1994-36) and (890-1988-A-8-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20078 and analytical batch 880-20115 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 8015B NM: The continuing calibration verification (CCV) associated with batch 880-20195 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-20195/30).

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

#### General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-20134 and analytical batch 880-20166 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.

#### Organic Prep

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

#### VOA Prep

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



## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7E-2

Lab Sample ID: 890-1994-1

Date Collected: 02/21/22 08:55

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		02/24/22 10:52	02/27/22 17:26	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		02/24/22 10:52	02/27/22 17:26	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		02/24/22 10:52	02/27/22 17:26	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		02/24/22 10:52	02/27/22 17:26	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		02/24/22 10:52	02/27/22 17:26	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		02/24/22 10:52	02/27/22 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/24/22 10:52	02/27/22 17:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/24/22 10:52	02/27/22 17:26	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U F1	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 11:59	1
Diesel Range Organics (Over C10-C28)	<15.0	U F1	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 11:59	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 11:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	02/22/22 15:57	02/23/22 11:59	1
o-Terphenyl	86		70 - 130	02/22/22 15:57	02/23/22 11:59	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.12		4.98	0.855	mg/Kg			02/24/22 10:39	1

Client Sample ID: TP7E-4

Lab Sample ID: 890-1994-2

Date Collected: 02/21/22 09:00

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		02/24/22 10:52	02/27/22 17:46	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		02/24/22 10:52	02/27/22 17:46	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		02/24/22 10:52	02/27/22 17:46	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		02/24/22 10:52	02/27/22 17:46	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		02/24/22 10:52	02/27/22 17:46	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		02/24/22 10:52	02/27/22 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/24/22 10:52	02/27/22 17:46	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/24/22 10:52	02/27/22 17:46	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7E-4

Lab Sample ID: 890-1994-2

Date Collected: 02/21/22 09:00

Matrix: Solid

Date Received: 02/21/22 13:27

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 13:03	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 13:03	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				02/22/22 15:57	02/23/22 13:03	1
o-Terphenyl	80		70 - 130				02/22/22 15:57	02/23/22 13:03	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.73		4.97	0.853	mg/Kg			02/24/22 10:48	1

Client Sample ID: TP7E-6

Lab Sample ID: 890-1994-3

Date Collected: 02/21/22 09:03

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		02/24/22 10:52	02/27/22 18:07	1
Toluene	0.000454	J	0.00199	0.000454	mg/Kg		02/24/22 10:52	02/27/22 18:07	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		02/24/22 10:52	02/27/22 18:07	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:52	02/27/22 18:07	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		02/24/22 10:52	02/27/22 18:07	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:52	02/27/22 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				02/24/22 10:52	02/27/22 18:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130				02/24/22 10:52	02/27/22 18:07	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 13:24	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 13:24	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7E-6

Lab Sample ID: 890-1994-3

Date Collected: 02/21/22 09:03

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				02/22/22 15:57	02/23/22 13:24	1
o-Terphenyl	81		70 - 130				02/22/22 15:57	02/23/22 13:24	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.56	J	4.99	0.857	mg/Kg			02/24/22 10:57	1

Client Sample ID: TP7E-8

Lab Sample ID: 890-1994-4

Date Collected: 02/21/22 09:05

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		02/24/22 10:52	02/27/22 18:27	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		02/24/22 10:52	02/27/22 18:27	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		02/24/22 10:52	02/27/22 18:27	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		02/24/22 10:52	02/27/22 18:27	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		02/24/22 10:52	02/27/22 18:27	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		02/24/22 10:52	02/27/22 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				02/24/22 10:52	02/27/22 18:27	1
1,4-Difluorobenzene (Surr)	97		70 - 130				02/24/22 10:52	02/27/22 18:27	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 13:45	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 13:45	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				02/22/22 15:57	02/23/22 13:45	1
o-Terphenyl	84		70 - 130				02/22/22 15:57	02/23/22 13:45	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.21	J	4.95	0.850	mg/Kg			02/24/22 11:23	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7E-10

Lab Sample ID: 890-1994-5

Date Collected: 02/21/22 09:15

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg		02/24/22 10:52	02/27/22 18:47	1
<b>Toluene</b>	<b>0.000532</b>	<b>J</b>	0.00202	0.000460	mg/Kg		02/24/22 10:52	02/27/22 18:47	1
<b>Ethylbenzene</b>	<b>0.000588</b>	<b>J</b>	0.00202	0.000570	mg/Kg		02/24/22 10:52	02/27/22 18:47	1
m-Xylene & p-Xylene	<0.00102	U	0.00403	0.00102	mg/Kg		02/24/22 10:52	02/27/22 18:47	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		02/24/22 10:52	02/27/22 18:47	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		02/24/22 10:52	02/27/22 18:47	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	87		70 - 130				02/24/22 10:52	02/27/22 18:47	1
1,4-Difluorobenzene (Surr)	93		70 - 130				02/24/22 10:52	02/27/22 18:47	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total BTEX</b>	<b>0.00112</b>	<b>J</b>	0.00403	0.00102	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total TPH</b>	<b>21.1</b>	<b>J</b>	50.0	15.0	mg/Kg			02/24/22 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline Range Organics (GRO)-C6-C10</b>	<b>21.1</b>	<b>J</b>	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 14:07	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 14:07	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 14:07	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	71		70 - 130				02/22/22 15:57	02/23/22 14:07	1
o-Terphenyl	70		70 - 130				02/22/22 15:57	02/23/22 14:07	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>1.72</b>	<b>J</b>	5.04	0.865	mg/Kg			02/24/22 11:32	1

Client Sample ID: TP7W-2

Lab Sample ID: 890-1994-6

Date Collected: 02/21/22 09:25

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		02/24/22 10:52	02/27/22 19:08	1
<b>Toluene</b>	<b>0.000597</b>	<b>J</b>	0.00200	0.000457	mg/Kg		02/24/22 10:52	02/27/22 19:08	1
<b>Ethylbenzene</b>	<b>0.000901</b>	<b>J</b>	0.00200	0.000566	mg/Kg		02/24/22 10:52	02/27/22 19:08	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		02/24/22 10:52	02/27/22 19:08	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		02/24/22 10:52	02/27/22 19:08	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		02/24/22 10:52	02/27/22 19:08	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	104		70 - 130				02/24/22 10:52	02/27/22 19:08	1
1,4-Difluorobenzene (Surr)	91		70 - 130				02/24/22 10:52	02/27/22 19:08	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7W-2

Lab Sample ID: 890-1994-6

Date Collected: 02/21/22 09:25

Matrix: Solid

Date Received: 02/21/22 13:27

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00150	J	0.00401	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 14:28	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 14:28	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				02/22/22 15:57	02/23/22 14:28	1
o-Terphenyl	85		70 - 130				02/22/22 15:57	02/23/22 14:28	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.43	J	4.98	0.855	mg/Kg			02/24/22 11:59	1

Client Sample ID: TP7W-4

Lab Sample ID: 890-1994-7

Date Collected: 02/21/22 09:30

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		02/24/22 10:52	02/27/22 19:28	1
Toluene	0.000614	J	0.00199	0.000453	mg/Kg		02/24/22 10:52	02/27/22 19:28	1
Ethylbenzene	0.000762	J	0.00199	0.000562	mg/Kg		02/24/22 10:52	02/27/22 19:28	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		02/24/22 10:52	02/27/22 19:28	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		02/24/22 10:52	02/27/22 19:28	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		02/24/22 10:52	02/27/22 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				02/24/22 10:52	02/27/22 19:28	1
1,4-Difluorobenzene (Surr)	94		70 - 130				02/24/22 10:52	02/27/22 19:28	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00138	J	0.00398	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 14:49	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 14:49	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7W-4

Lab Sample ID: 890-1994-7

Date Collected: 02/21/22 09:30

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				02/22/22 15:57	02/23/22 14:49	1
o-Terphenyl	87		70 - 130				02/22/22 15:57	02/23/22 14:49	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.39	J	4.99	0.857	mg/Kg			02/24/22 12:07	1

Client Sample ID: TP7W-6

Lab Sample ID: 890-1994-8

Date Collected: 02/21/22 09:35

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/24/22 10:52	02/27/22 19:49	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/24/22 10:52	02/27/22 19:49	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		02/24/22 10:52	02/27/22 19:49	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:52	02/27/22 19:49	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/24/22 10:52	02/27/22 19:49	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:52	02/27/22 19:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/24/22 10:52	02/27/22 19:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130				02/24/22 10:52	02/27/22 19:49	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 15:11	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 15:11	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				02/22/22 15:57	02/23/22 15:11	1
o-Terphenyl	77		70 - 130				02/22/22 15:57	02/23/22 15:11	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.77	J	4.95	0.850	mg/Kg			02/24/22 12:16	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7W-8

Lab Sample ID: 890-1994-9

Date Collected: 02/21/22 09:40

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U	0.00198	0.000382	mg/Kg		02/24/22 10:52	02/27/22 20:09	1
Toluene	<0.000452	U	0.00198	0.000452	mg/Kg		02/24/22 10:52	02/27/22 20:09	1
Ethylbenzene	<0.000561	U	0.00198	0.000561	mg/Kg		02/24/22 10:52	02/27/22 20:09	1
m-Xylene & p-Xylene	<0.00100	U	0.00397	0.00100	mg/Kg		02/24/22 10:52	02/27/22 20:09	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		02/24/22 10:52	02/27/22 20:09	1
Xylenes, Total	<0.00100	U	0.00397	0.00100	mg/Kg		02/24/22 10:52	02/27/22 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/24/22 10:52	02/27/22 20:09	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/24/22 10:52	02/27/22 20:09	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00397	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 15:31	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 15:31	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	02/22/22 15:57	02/23/22 15:31	1
o-Terphenyl	74		70 - 130	02/22/22 15:57	02/23/22 15:31	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.55	J	4.97	0.853	mg/Kg			02/24/22 12:25	1

Client Sample ID: TP7W-10

Lab Sample ID: 890-1994-10

Date Collected: 02/21/22 09:45

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		02/24/22 10:52	02/27/22 20:30	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		02/24/22 10:52	02/27/22 20:30	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		02/24/22 10:52	02/27/22 20:30	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		02/24/22 10:52	02/27/22 20:30	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		02/24/22 10:52	02/27/22 20:30	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		02/24/22 10:52	02/27/22 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/24/22 10:52	02/27/22 20:30	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/24/22 10:52	02/27/22 20:30	1

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### Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

**Client Sample ID: TP7W-10**

**Lab Sample ID: 890-1994-10**

Date Collected: 02/21/22 09:45

Matrix: Solid

Date Received: 02/21/22 13:27

**Method: Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 15:52	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 15:52	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	02/22/22 15:57	02/23/22 15:52	1
o-Terphenyl	84		70 - 130	02/22/22 15:57	02/23/22 15:52	1

**Method: 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.34	J	4.98	0.855	mg/Kg			02/24/22 12:34	1

**Client Sample ID: TP7N-2**

**Lab Sample ID: 890-1994-11**

Date Collected: 02/21/22 09:55

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000421	J	0.00200	0.000384	mg/Kg		02/24/22 10:52	02/27/22 22:21	1
Toluene	0.000478	J	0.00200	0.000455	mg/Kg		02/24/22 10:52	02/27/22 22:21	1
Ethylbenzene	0.000736	J	0.00200	0.000564	mg/Kg		02/24/22 10:52	02/27/22 22:21	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		02/24/22 10:52	02/27/22 22:21	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		02/24/22 10:52	02/27/22 22:21	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		02/24/22 10:52	02/27/22 22:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/24/22 10:52	02/27/22 22:21	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/24/22 10:52	02/27/22 22:21	1

**Method: Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00164	J	0.00399	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 16:34	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 16:34	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7N-2

Lab Sample ID: 890-1994-11

Date Collected: 02/21/22 09:55

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				02/22/22 15:57	02/23/22 16:34	1
o-Terphenyl	73		70 - 130				02/22/22 15:57	02/23/22 16:34	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.9		4.99	0.857	mg/Kg			02/24/22 12:43	1

Client Sample ID: TP7N-4

Lab Sample ID: 890-1994-12

Date Collected: 02/21/22 10:00

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		02/24/22 10:52	02/27/22 22:41	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		02/24/22 10:52	02/27/22 22:41	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		02/24/22 10:52	02/27/22 22:41	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg		02/24/22 10:52	02/27/22 22:41	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		02/24/22 10:52	02/27/22 22:41	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		02/24/22 10:52	02/27/22 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				02/24/22 10:52	02/27/22 22:41	1
1,4-Difluorobenzene (Surr)	102		70 - 130				02/24/22 10:52	02/27/22 22:41	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 16:56	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 16:56	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				02/22/22 15:57	02/23/22 16:56	1
o-Terphenyl	70		70 - 130				02/22/22 15:57	02/23/22 16:56	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.16	J	5.00	0.858	mg/Kg			02/24/22 12:52	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7N-6

Lab Sample ID: 890-1994-13

Date Collected: 02/21/22 10:05

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		02/24/22 10:52	02/27/22 23:02	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		02/24/22 10:52	02/27/22 23:02	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		02/24/22 10:52	02/27/22 23:02	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:52	02/27/22 23:02	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		02/24/22 10:52	02/27/22 23:02	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:52	02/27/22 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	02/24/22 10:52	02/27/22 23:02	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/24/22 10:52	02/27/22 23:02	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 17:17	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 17:17	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	02/22/22 15:57	02/23/22 17:17	1
o-Terphenyl	82		70 - 130	02/22/22 15:57	02/23/22 17:17	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.20		5.00	0.858	mg/Kg			02/24/22 13:32	1

Client Sample ID: TP7N-8

Lab Sample ID: 890-1994-14

Date Collected: 02/21/22 10:10

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		02/24/22 10:52	02/27/22 23:22	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		02/24/22 10:52	02/27/22 23:22	1
Ethylbenzene	0.000970	J	0.00201	0.000568	mg/Kg		02/24/22 10:52	02/27/22 23:22	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		02/24/22 10:52	02/27/22 23:22	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		02/24/22 10:52	02/27/22 23:22	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		02/24/22 10:52	02/27/22 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/24/22 10:52	02/27/22 23:22	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/24/22 10:52	02/27/22 23:22	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7N-8

Lab Sample ID: 890-1994-14

Date Collected: 02/21/22 10:10

Matrix: Solid

Date Received: 02/21/22 13:27

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 17:38	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 17:38	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	02/22/22 15:57	02/23/22 17:38	1
o-Terphenyl	91		70 - 130	02/22/22 15:57	02/23/22 17:38	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		4.99	0.857	mg/Kg			02/24/22 13:51	1

Client Sample ID: TP7N-10

Lab Sample ID: 890-1994-15

Date Collected: 02/21/22 10:20

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		02/24/22 10:52	02/27/22 23:42	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		02/24/22 10:52	02/27/22 23:42	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		02/24/22 10:52	02/27/22 23:42	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg		02/24/22 10:52	02/27/22 23:42	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		02/24/22 10:52	02/27/22 23:42	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		02/24/22 10:52	02/27/22 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/24/22 10:52	02/27/22 23:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/24/22 10:52	02/27/22 23:42	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 17:59	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 17:59	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7N-10

Lab Sample ID: 890-1994-15

Date Collected: 02/21/22 10:20

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				02/22/22 15:57	02/23/22 17:59	1
o-Terphenyl	76		70 - 130				02/22/22 15:57	02/23/22 17:59	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.0		4.98	0.855	mg/Kg			02/24/22 13:57	1

Client Sample ID: TP7S-2

Lab Sample ID: 890-1994-16

Date Collected: 02/21/22 10:30

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		02/24/22 10:52	02/28/22 00:03	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		02/24/22 10:52	02/28/22 00:03	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		02/24/22 10:52	02/28/22 00:03	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		02/24/22 10:52	02/28/22 00:03	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		02/24/22 10:52	02/28/22 00:03	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		02/24/22 10:52	02/28/22 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				02/24/22 10:52	02/28/22 00:03	1
1,4-Difluorobenzene (Surr)	100		70 - 130				02/24/22 10:52	02/28/22 00:03	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 18:20	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 18:20	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				02/22/22 15:57	02/23/22 18:20	1
o-Terphenyl	91		70 - 130				02/22/22 15:57	02/23/22 18:20	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		5.00	0.858	mg/Kg			02/24/22 14:04	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7S-4

Lab Sample ID: 890-1994-17

Date Collected: 02/21/22 10:35

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/24/22 10:52	02/28/22 00:23	1
<b>Toluene</b>	<b>0.000497</b>	<b>J</b>	0.00200	0.000456	mg/Kg		02/24/22 10:52	02/28/22 00:23	1
<b>Ethylbenzene</b>	<b>0.000874</b>	<b>J</b>	0.00200	0.000565	mg/Kg		02/24/22 10:52	02/28/22 00:23	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:52	02/28/22 00:23	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/24/22 10:52	02/28/22 00:23	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:52	02/28/22 00:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	02/24/22 10:52	02/28/22 00:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/24/22 10:52	02/28/22 00:23	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total BTEX</b>	<b>0.00137</b>	<b>J</b>	0.00400	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 18:41	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 18:41	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	02/22/22 15:57	02/23/22 18:41	1
o-Terphenyl	85		70 - 130	02/22/22 15:57	02/23/22 18:41	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>5.87</b>		5.00	0.858	mg/Kg			02/24/22 14:10	1

Client Sample ID: TP7S-6

Lab Sample ID: 890-1994-18

Date Collected: 02/21/22 10:40

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		02/24/22 10:52	02/28/22 00:44	1
<b>Toluene</b>	<b>0.000456</b>	<b>J</b>	0.00199	0.000454	mg/Kg		02/24/22 10:52	02/28/22 00:44	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		02/24/22 10:52	02/28/22 00:44	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:52	02/28/22 00:44	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		02/24/22 10:52	02/28/22 00:44	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:52	02/28/22 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/24/22 10:52	02/28/22 00:44	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/24/22 10:52	02/28/22 00:44	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7S-6

Lab Sample ID: 890-1994-18

Date Collected: 02/21/22 10:40

Matrix: Solid

Date Received: 02/21/22 13:27

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 19:02	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 19:02	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				02/22/22 15:57	02/23/22 19:02	1
o-Terphenyl	76		70 - 130				02/22/22 15:57	02/23/22 19:02	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.98		4.99	0.857	mg/Kg			02/24/22 14:29	1

Client Sample ID: TP7S-8

Lab Sample ID: 890-1994-19

Date Collected: 02/21/22 10:45

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		02/24/22 10:52	02/28/22 01:04	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		02/24/22 10:52	02/28/22 01:04	1
Ethylbenzene	0.000665	J	0.00198	0.000559	mg/Kg		02/24/22 10:52	02/28/22 01:04	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		02/24/22 10:52	02/28/22 01:04	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		02/24/22 10:52	02/28/22 01:04	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		02/24/22 10:52	02/28/22 01:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				02/24/22 10:52	02/28/22 01:04	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/24/22 10:52	02/28/22 01:04	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 19:22	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 19:22	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7S-8

Lab Sample ID: 890-1994-19

Date Collected: 02/21/22 10:45

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/22/22 15:57	02/23/22 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				02/22/22 15:57	02/23/22 19:22	1
o-Terphenyl	80		70 - 130				02/22/22 15:57	02/23/22 19:22	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.15	J	4.96	0.851	mg/Kg			02/24/22 14:35	1

Client Sample ID: TP7S-10

Lab Sample ID: 890-1994-20

Date Collected: 02/21/22 10:55

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		02/24/22 10:52	02/28/22 01:25	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		02/24/22 10:52	02/28/22 01:25	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		02/24/22 10:52	02/28/22 01:25	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		02/24/22 10:52	02/28/22 01:25	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		02/24/22 10:52	02/28/22 01:25	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		02/24/22 10:52	02/28/22 01:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				02/24/22 10:52	02/28/22 01:25	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/24/22 10:52	02/28/22 01:25	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<14.9	U	49.8	14.9	mg/Kg			02/24/22 15:23	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	<14.9	U	49.8	14.9	mg/Kg		02/22/22 15:57	02/23/22 19:44	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.8	14.9	mg/Kg		02/22/22 15:57	02/23/22 19:44	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		02/22/22 15:57	02/23/22 19:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				02/22/22 15:57	02/23/22 19:44	1
o-Terphenyl	94		70 - 130				02/22/22 15:57	02/23/22 19:44	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.92		5.00	0.858	mg/Kg			02/24/22 14:42	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP8S-2

Lab Sample ID: 890-1994-21

Date Collected: 02/21/22 11:00

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		02/24/22 10:54	02/26/22 13:51	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		02/24/22 10:54	02/26/22 13:51	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		02/24/22 10:54	02/26/22 13:51	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		02/24/22 10:54	02/26/22 13:51	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		02/24/22 10:54	02/26/22 13:51	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		02/24/22 10:54	02/26/22 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/24/22 10:54	02/26/22 13:51	1
1,4-Difluorobenzene (Surr)	88		70 - 130	02/24/22 10:54	02/26/22 13:51	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 12:50	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 12:50	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	02/23/22 11:20	02/24/22 12:50	1
o-Terphenyl	79		70 - 130	02/23/22 11:20	02/24/22 12:50	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.6		4.98	0.855	mg/Kg			02/24/22 14:48	1

Client Sample ID: TP8S-4

Lab Sample ID: 890-1994-22

Date Collected: 02/21/22 11:05

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		02/24/22 10:54	02/26/22 14:20	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		02/24/22 10:54	02/26/22 14:20	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		02/24/22 10:54	02/26/22 14:20	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		02/24/22 10:54	02/26/22 14:20	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		02/24/22 10:54	02/26/22 14:20	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		02/24/22 10:54	02/26/22 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/24/22 10:54	02/26/22 14:20	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/24/22 10:54	02/26/22 14:20	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP8S-4

Lab Sample ID: 890-1994-22

Date Collected: 02/21/22 11:05

Matrix: Solid

Date Received: 02/21/22 13:27

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 13:52	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 13:52	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				02/23/22 11:20	02/24/22 13:52	1
o-Terphenyl	82		70 - 130				02/23/22 11:20	02/24/22 13:52	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.79	J	4.97	0.853	mg/Kg			02/24/22 14:54	1

Client Sample ID: TP8S-6

Lab Sample ID: 890-1994-23

Date Collected: 02/21/22 11:10

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		02/24/22 10:54	02/26/22 14:47	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		02/24/22 10:54	02/26/22 14:47	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		02/24/22 10:54	02/26/22 14:47	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		02/24/22 10:54	02/26/22 14:47	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		02/24/22 10:54	02/26/22 14:47	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		02/24/22 10:54	02/26/22 14:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				02/24/22 10:54	02/26/22 14:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130				02/24/22 10:54	02/26/22 14:47	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 14:12	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 14:12	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## Client Sample ID: TP8S-6

Date Collected: 02/21/22 11:10

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-23

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				02/23/22 11:20	02/24/22 14:12	1
o-Terphenyl	82		70 - 130				02/23/22 11:20	02/24/22 14:12	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		4.96	0.851	mg/Kg			02/25/22 18:00	1

## Client Sample ID: TP8S-10

Date Collected: 02/21/22 11:15

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-24

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U	0.00198	0.000382	mg/Kg		02/24/22 10:54	02/26/22 15:16	1
Toluene	<0.000452	U	0.00198	0.000452	mg/Kg		02/24/22 10:54	02/26/22 15:16	1
Ethylbenzene	<0.000561	U	0.00198	0.000561	mg/Kg		02/24/22 10:54	02/26/22 15:16	1
m-Xylene & p-Xylene	<0.00100	U	0.00397	0.00100	mg/Kg		02/24/22 10:54	02/26/22 15:16	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		02/24/22 10:54	02/26/22 15:16	1
Xylenes, Total	<0.00100	U	0.00397	0.00100	mg/Kg		02/24/22 10:54	02/26/22 15:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/24/22 10:54	02/26/22 15:16	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/24/22 10:54	02/26/22 15:16	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00397	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 14:33	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 14:33	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				02/23/22 11:20	02/24/22 14:33	1
o-Terphenyl	82		70 - 130				02/23/22 11:20	02/24/22 14:33	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.1		5.00	0.858	mg/Kg			02/25/22 18:19	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP8W-2

Lab Sample ID: 890-1994-25

Date Collected: 02/21/22 11:20

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U	0.00198	0.000382	mg/Kg		02/24/22 10:54	02/26/22 15:44	1
Toluene	<0.000452	U	0.00198	0.000452	mg/Kg		02/24/22 10:54	02/26/22 15:44	1
Ethylbenzene	<0.000561	U	0.00198	0.000561	mg/Kg		02/24/22 10:54	02/26/22 15:44	1
m-Xylene & p-Xylene	<0.00100	U	0.00397	0.00100	mg/Kg		02/24/22 10:54	02/26/22 15:44	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		02/24/22 10:54	02/26/22 15:44	1
Xylenes, Total	<0.00100	U	0.00397	0.00100	mg/Kg		02/24/22 10:54	02/26/22 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	02/24/22 10:54	02/26/22 15:44	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/24/22 10:54	02/26/22 15:44	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00397	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 14:54	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 14:54	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	02/23/22 11:20	02/24/22 14:54	1
o-Terphenyl	95		70 - 130	02/23/22 11:20	02/24/22 14:54	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.99	0.857	mg/Kg			02/24/22 16:27	1

Client Sample ID: TP8W-4

Lab Sample ID: 890-1994-26

Date Collected: 02/21/22 11:25

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U	0.00198	0.000382	mg/Kg		02/24/22 10:54	02/26/22 16:13	1
Toluene	<0.000452	U	0.00198	0.000452	mg/Kg		02/24/22 10:54	02/26/22 16:13	1
Ethylbenzene	<0.000561	U	0.00198	0.000561	mg/Kg		02/24/22 10:54	02/26/22 16:13	1
m-Xylene & p-Xylene	<0.00100	U	0.00397	0.00100	mg/Kg		02/24/22 10:54	02/26/22 16:13	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		02/24/22 10:54	02/26/22 16:13	1
Xylenes, Total	<0.00100	U	0.00397	0.00100	mg/Kg		02/24/22 10:54	02/26/22 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/24/22 10:54	02/26/22 16:13	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/24/22 10:54	02/26/22 16:13	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP8W-4

Lab Sample ID: 890-1994-26

Date Collected: 02/21/22 11:25

Matrix: Solid

Date Received: 02/21/22 13:27

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00397	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 15:14	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 15:14	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/23/22 11:20	02/24/22 15:14	1
o-Terphenyl	91		70 - 130				02/23/22 11:20	02/24/22 15:14	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.20		5.05	0.867	mg/Kg			02/24/22 16:46	1

Client Sample ID: TP8W-6

Lab Sample ID: 890-1994-27

Date Collected: 02/21/22 11:30

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		02/24/22 10:54	02/26/22 16:41	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		02/24/22 10:54	02/26/22 16:41	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		02/24/22 10:54	02/26/22 16:41	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:54	02/26/22 16:41	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		02/24/22 10:54	02/26/22 16:41	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:54	02/26/22 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				02/24/22 10:54	02/26/22 16:41	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/24/22 10:54	02/26/22 16:41	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 15:34	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 15:34	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## Client Sample ID: TP8W-6

## Lab Sample ID: 890-1994-27

Date Collected: 02/21/22 11:30

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				02/23/22 11:20	02/24/22 15:34	1
o-Terphenyl	78		70 - 130				02/23/22 11:20	02/24/22 15:34	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.57		5.02	0.862	mg/Kg			02/25/22 18:25	1

## Client Sample ID: TP8W-8

## Lab Sample ID: 890-1994-28

Date Collected: 02/21/22 11:35

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/24/22 10:54	02/26/22 17:09	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/24/22 10:54	02/26/22 17:09	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		02/24/22 10:54	02/26/22 17:09	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:54	02/26/22 17:09	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/24/22 10:54	02/26/22 17:09	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:54	02/26/22 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				02/24/22 10:54	02/26/22 17:09	1
1,4-Difluorobenzene (Surr)	102		70 - 130				02/24/22 10:54	02/26/22 17:09	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 15:55	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 15:55	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				02/23/22 11:20	02/24/22 15:55	1
o-Terphenyl	80		70 - 130				02/23/22 11:20	02/24/22 15:55	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.53		4.99	0.857	mg/Kg			02/25/22 18:32	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP8E-2

Lab Sample ID: 890-1994-29

Date Collected: 02/21/22 11:40

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		02/24/22 10:54	02/26/22 17:37	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		02/24/22 10:54	02/26/22 17:37	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		02/24/22 10:54	02/26/22 17:37	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		02/24/22 10:54	02/26/22 17:37	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		02/24/22 10:54	02/26/22 17:37	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		02/24/22 10:54	02/26/22 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/24/22 10:54	02/26/22 17:37	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/24/22 10:54	02/26/22 17:37	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 16:15	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 16:15	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	02/23/22 11:20	02/24/22 16:15	1
o-Terphenyl	76		70 - 130	02/23/22 11:20	02/24/22 16:15	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		4.98	0.855	mg/Kg			02/24/22 17:05	1

Client Sample ID: TP8E-4

Lab Sample ID: 890-1994-30

Date Collected: 02/21/22 11:45

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		02/24/22 10:54	02/26/22 18:05	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		02/24/22 10:54	02/26/22 18:05	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		02/24/22 10:54	02/26/22 18:05	1
m-Xylene & p-Xylene	<0.00101	U	0.00402	0.00101	mg/Kg		02/24/22 10:54	02/26/22 18:05	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg		02/24/22 10:54	02/26/22 18:05	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		02/24/22 10:54	02/26/22 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	02/24/22 10:54	02/26/22 18:05	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/24/22 10:54	02/26/22 18:05	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP8E-4

Lab Sample ID: 890-1994-30

Date Collected: 02/21/22 11:45

Matrix: Solid

Date Received: 02/21/22 13:27

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 16:35	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 16:35	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				02/23/22 11:20	02/24/22 16:35	1
o-Terphenyl	78		70 - 130				02/23/22 11:20	02/24/22 16:35	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.89		4.95	0.850	mg/Kg			02/24/22 17:11	1

Client Sample ID: TP8E-6

Lab Sample ID: 890-1994-31

Date Collected: 02/21/22 11:50

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		02/24/22 10:54	02/26/22 19:59	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		02/24/22 10:54	02/26/22 19:59	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		02/24/22 10:54	02/26/22 19:59	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		02/24/22 10:54	02/26/22 19:59	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		02/24/22 10:54	02/26/22 19:59	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		02/24/22 10:54	02/26/22 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				02/24/22 10:54	02/26/22 19:59	1
1,4-Difluorobenzene (Surr)	84		70 - 130				02/24/22 10:54	02/26/22 19:59	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 17:15	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 17:15	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP8E-6

Lab Sample ID: 890-1994-31

Date Collected: 02/21/22 11:50

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				02/23/22 11:20	02/24/22 17:15	1
o-Terphenyl	79		70 - 130				02/23/22 11:20	02/24/22 17:15	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.89	J	5.01	0.860	mg/Kg			02/24/22 17:18	1

Client Sample ID: TP8E-8

Lab Sample ID: 890-1994-32

Date Collected: 02/21/22 11:55

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg		02/24/22 10:54	02/26/22 20:27	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg		02/24/22 10:54	02/26/22 20:27	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		02/24/22 10:54	02/26/22 20:27	1
m-Xylene & p-Xylene	<0.00102	U	0.00403	0.00102	mg/Kg		02/24/22 10:54	02/26/22 20:27	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		02/24/22 10:54	02/26/22 20:27	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		02/24/22 10:54	02/26/22 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				02/24/22 10:54	02/26/22 20:27	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/24/22 10:54	02/26/22 20:27	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00403	0.00102	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 17:35	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 17:35	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				02/23/22 11:20	02/24/22 17:35	1
o-Terphenyl	80		70 - 130				02/23/22 11:20	02/24/22 17:35	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.94		4.98	0.855	mg/Kg			02/25/22 18:38	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP8N-2

Lab Sample ID: 890-1994-33

Date Collected: 02/21/22 12:00

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		02/24/22 10:54	02/26/22 20:56	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		02/24/22 10:54	02/26/22 20:56	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		02/24/22 10:54	02/26/22 20:56	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:54	02/26/22 20:56	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		02/24/22 10:54	02/26/22 20:56	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:54	02/26/22 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/24/22 10:54	02/26/22 20:56	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/24/22 10:54	02/26/22 20:56	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 17:55	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 17:55	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	02/23/22 11:20	02/24/22 17:55	1
o-Terphenyl	82		70 - 130	02/23/22 11:20	02/24/22 17:55	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9	F1	4.96	0.851	mg/Kg			02/24/22 20:10	1

Client Sample ID: TP8N-4

Lab Sample ID: 890-1994-34

Date Collected: 02/21/22 12:05

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/24/22 10:54	02/26/22 21:24	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/24/22 10:54	02/26/22 21:24	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		02/24/22 10:54	02/26/22 21:24	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:54	02/26/22 21:24	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/24/22 10:54	02/26/22 21:24	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:54	02/26/22 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/24/22 10:54	02/26/22 21:24	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/24/22 10:54	02/26/22 21:24	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP8N-4

Lab Sample ID: 890-1994-34

Date Collected: 02/21/22 12:05

Matrix: Solid

Date Received: 02/21/22 13:27

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 18:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 18:16	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/23/22 11:20	02/24/22 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	02/23/22 11:20	02/24/22 18:16	1
o-Terphenyl	92		70 - 130	02/23/22 11:20	02/24/22 18:16	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		5.00	0.858	mg/Kg			02/24/22 20:29	1

Client Sample ID: TP8N-6

Lab Sample ID: 890-1994-35

Date Collected: 02/21/22 12:10

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		02/24/22 10:54	02/26/22 21:53	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		02/24/22 10:54	02/26/22 21:53	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		02/24/22 10:54	02/26/22 21:53	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		02/24/22 10:54	02/26/22 21:53	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		02/24/22 10:54	02/26/22 21:53	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		02/24/22 10:54	02/26/22 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/24/22 10:54	02/26/22 21:53	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/24/22 10:54	02/26/22 21:53	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/28/22 20:00	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	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 18:36	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 18:36	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP8N-6

Lab Sample ID: 890-1994-35

Date Collected: 02/21/22 12:10

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 18:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				02/23/22 11:20	02/24/22 18:36	1
o-Terphenyl	79		70 - 130				02/23/22 11:20	02/24/22 18:36	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.37		5.00	0.858	mg/Kg			02/24/22 20:36	1

Client Sample ID: TP8N-8

Lab Sample ID: 890-1994-36

Date Collected: 02/21/22 12:15

Matrix: Solid

Date Received: 02/21/22 13:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		02/24/22 10:54	02/26/22 22:21	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		02/24/22 10:54	02/26/22 22:21	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		02/24/22 10:54	02/26/22 22:21	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:54	02/26/22 22:21	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		02/24/22 10:54	02/26/22 22:21	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		02/24/22 10:54	02/26/22 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				02/24/22 10:54	02/26/22 22:21	1
1,4-Difluorobenzene (Surr)	109		70 - 130				02/24/22 10:54	02/26/22 22:21	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.1	J	50.0	15.0	mg/Kg			02/24/22 15:23	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	<15.0	U	50.0	15.0	mg/Kg		02/22/22 16:53	02/24/22 06:44	1
Diesel Range Organics (Over C10-C28)	21.1	J	50.0	15.0	mg/Kg		02/22/22 16:53	02/24/22 06:44	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 16:53	02/24/22 06:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				02/22/22 16:53	02/24/22 06:44	1
o-Terphenyl	69	S1-	70 - 130				02/22/22 16:53	02/24/22 06:44	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.8		4.99	0.857	mg/Kg			02/24/22 20:55	1

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## Surrogate Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-1994-1	TP7E-2	105	99
890-1994-1 MS	TP7E-2	97	99
890-1994-1 MSD	TP7E-2	102	101
890-1994-2	TP7E-4	102	96
890-1994-3	TP7E-6	119	95
890-1994-4	TP7E-8	109	97
890-1994-5	TP7E-10	87	93
890-1994-6	TP7W-2	104	91
890-1994-7	TP7W-4	96	94
890-1994-8	TP7W-6	108	101
890-1994-9	TP7W-8	104	99
890-1994-10	TP7W-10	114	102
890-1994-11	TP7N-2	114	95
890-1994-12	TP7N-4	104	102
890-1994-13	TP7N-6	107	99
890-1994-14	TP7N-8	105	96
890-1994-15	TP7N-10	106	95
890-1994-16	TP7S-2	112	100
890-1994-17	TP7S-4	101	94
890-1994-18	TP7S-6	110	98
890-1994-19	TP7S-8	105	98
890-1994-20	TP7S-10	107	96
890-1994-21	TP8S-2	109	88
890-1994-21 MS	TP8S-2	101	94
890-1994-21 MSD	TP8S-2	105	118
890-1994-22	TP8S-4	111	94
890-1994-23	TP8S-6	110	97
890-1994-24	TP8S-10	108	96
890-1994-25	TP8W-2	113	99
890-1994-26	TP8W-4	104	107
890-1994-27	TP8W-6	112	96
890-1994-28	TP8W-8	111	102
890-1994-29	TP8E-2	110	100
890-1994-30	TP8E-4	115	95
890-1994-31	TP8E-6	113	84
890-1994-32	TP8E-8	111	92
890-1994-33	TP8N-2	117	104
890-1994-34	TP8N-4	112	109
890-1994-35	TP8N-6	111	110
890-1994-36	TP8N-8	115	109
LCS 880-20205/1-A	Lab Control Sample	95	95
LCS 880-20206/1-A	Lab Control Sample	98	88
LCSD 880-20205/2-A	Lab Control Sample Dup	97	101
LCSD 880-20206/2-A	Lab Control Sample Dup	101	95
MB 880-20205/5-A	Method Blank	101	98
MB 880-20206/5-A	Method Blank	79	78
MB 880-20320/5-A	Method Blank	98	97

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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## Surrogate Summary

Client: GHD Services Inc.  
 Project/Site: YATES WAYFARER AIY #1  
 DFBZ = 1,4-Difluorobenzene (Surr)

Job ID: 890-1994-1  
 SDG: 11224668

## 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	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-1994-1	TP7E-2	81	86
890-1994-1 MS	TP7E-2	71	76
890-1994-1 MSD	TP7E-2	78	75
890-1994-2	TP7E-4	79	80
890-1994-3	TP7E-6	80	81
890-1994-4	TP7E-8	81	84
890-1994-5	TP7E-10	71	70
890-1994-6	TP7W-2	81	85
890-1994-7	TP7W-4	90	87
890-1994-8	TP7W-6	75	77
890-1994-9	TP7W-8	76	74
890-1994-10	TP7W-10	89	84
890-1994-11	TP7N-2	74	73
890-1994-12	TP7N-4	72	70
890-1994-13	TP7N-6	88	82
890-1994-14	TP7N-8	94	91
890-1994-15	TP7N-10	79	76
890-1994-16	TP7S-2	92	91
890-1994-17	TP7S-4	80	85
890-1994-18	TP7S-6	74	76
890-1994-19	TP7S-8	84	80
890-1994-20	TP7S-10	94	94
890-1994-21	TP8S-2	80	79
890-1994-21 MS	TP8S-2	83	88
890-1994-21 MSD	TP8S-2	71	73
890-1994-22	TP8S-4	80	82
890-1994-23	TP8S-6	79	82
890-1994-24	TP8S-10	79	82
890-1994-25	TP8W-2	91	95
890-1994-26	TP8W-4	89	91
890-1994-27	TP8W-6	76	78
890-1994-28	TP8W-8	77	80
890-1994-29	TP8E-2	78	76
890-1994-30	TP8E-4	75	78
890-1994-31	TP8E-6	78	79
890-1994-32	TP8E-8	77	80
890-1994-33	TP8N-2	79	82
890-1994-34	TP8N-4	92	92
890-1994-35	TP8N-6	76	79
890-1994-36	TP8N-8	67 S1-	69 S1-
LCS 880-20088/2-A	Lab Control Sample	100	99
LCSD 880-20088/3-A	Lab Control Sample Dup	109	104
MB 880-20088/1-A	Method Blank	80	89

## Surrogate Legend

1CO = 1-Chlorooctane  
 OTPH = o-Terphenyl

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### Surrogate Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

**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	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-20078/2-A	Lab Control Sample	99	110
LCS 880-20142/2-A	Lab Control Sample	110	123
LCSD 880-20078/3-A	Lab Control Sample Dup	92	102
LCSD 880-20142/3-A	Lab Control Sample Dup	102	101
MB 880-20078/1-A	Method Blank	103	108
MB 880-20142/1-A	Method Blank	96	100

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

### QC Sample Results

Client: GHD Services Inc.  
 Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
 SDG: 11224668

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

Lab Sample ID: MB 880-20205/5-A  
 Matrix: Solid  
 Analysis Batch: 20288

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 20205

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/24/22 10:52	02/27/22 16:57	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/24/22 10:52	02/27/22 16:57	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		02/24/22 10:52	02/27/22 16:57	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:52	02/27/22 16:57	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/24/22 10:52	02/27/22 16:57	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:52	02/27/22 16:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	02/24/22 10:52	02/27/22 16:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/24/22 10:52	02/27/22 16:57	1

Lab Sample ID: LCS 880-20205/1-A  
 Matrix: Solid  
 Analysis Batch: 20288

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 20205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09477		mg/Kg		95	70 - 130
Toluene	0.100	0.08945		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.08859		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.2042		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130

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

Lab Sample ID: LCSD 880-20205/2-A  
 Matrix: Solid  
 Analysis Batch: 20288

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 20205

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09978		mg/Kg		100	70 - 130	5	35
Toluene	0.100	0.09379		mg/Kg		94	70 - 130	5	35
Ethylbenzene	0.100	0.09223		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2125		mg/Kg		106	70 - 130	4	35
o-Xylene	0.100	0.1062		mg/Kg		106	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-1994-1 MS  
 Matrix: Solid  
 Analysis Batch: 20288

Client Sample ID: TP7E-2  
 Prep Type: Total/NA  
 Prep Batch: 20205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.000384	U	0.101	0.08527		mg/Kg		85	70 - 130
Toluene	<0.000455	U	0.101	0.07844		mg/Kg		78	70 - 130

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

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

Lab Sample ID: 890-1994-1 MS  
Matrix: Solid  
Analysis Batch: 20288

Client Sample ID: TP7E-2  
Prep Type: Total/NA  
Prep Batch: 20205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.000564	U	0.101	0.07694		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	<0.00101	U	0.201	0.1792		mg/Kg		89	70 - 130
o-Xylene	<0.000343	U	0.101	0.08878		mg/Kg		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-1994-1 MSD  
Matrix: Solid  
Analysis Batch: 20288

Client Sample ID: TP7E-2  
Prep Type: Total/NA  
Prep Batch: 20205

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.000384	U	0.100	0.08110		mg/Kg		81	70 - 130	5	35
Toluene	<0.000455	U	0.100	0.07683		mg/Kg		77	70 - 130	2	35
Ethylbenzene	<0.000564	U	0.100	0.07581		mg/Kg		76	70 - 130	1	35
m-Xylene & p-Xylene	<0.00101	U	0.201	0.1772		mg/Kg		88	70 - 130	1	35
o-Xylene	<0.000343	U	0.100	0.08871		mg/Kg		88	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-20206/5-A  
Matrix: Solid  
Analysis Batch: 20376

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 20206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/24/22 10:54	02/26/22 13:23	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/24/22 10:54	02/26/22 13:23	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		02/24/22 10:54	02/26/22 13:23	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:54	02/26/22 13:23	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/24/22 10:54	02/26/22 13:23	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/24/22 10:54	02/26/22 13:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	02/24/22 10:54	02/26/22 13:23	1
1,4-Difluorobenzene (Surr)	78		70 - 130	02/24/22 10:54	02/26/22 13:23	1

Lab Sample ID: LCS 880-20206/1-A  
Matrix: Solid  
Analysis Batch: 20376

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 20206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.1032		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1063		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2198		mg/Kg		110	70 - 130

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

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

**Lab Sample ID: LCS 880-20206/1-A**  
**Matrix: Solid**  
**Analysis Batch: 20376**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 20206**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.1031		mg/Kg		103	70 - 130
<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>LCS Qualifier</b>	<b>Limits</b>				
4-Bromofluorobenzene (Surr)	98		70 - 130				
1,4-Difluorobenzene (Surr)	88		70 - 130				

**Lab Sample ID: LCSD 880-20206/2-A**  
**Matrix: Solid**  
**Analysis Batch: 20376**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 20206**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1063		mg/Kg		106	70 - 130	2	35
Toluene	0.100	0.1042		mg/Kg		104	70 - 130	1	35
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2180		mg/Kg		109	70 - 130	1	35
o-Xylene	0.100	0.1048		mg/Kg		105	70 - 130	2	35
<b>Surrogate</b>	<b>LCSD %Recovery</b>	<b>LCSD Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	101		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

**Lab Sample ID: 890-1994-21 MS**  
**Matrix: Solid**  
**Analysis Batch: 20376**

**Client Sample ID: TP8S-2**  
**Prep Type: Total/NA**  
**Prep Batch: 20206**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.000384	U	0.0992	0.07804		mg/Kg		79	70 - 130
Toluene	<0.000455	U	0.0992	0.07735		mg/Kg		78	70 - 130
Ethylbenzene	<0.000564	U	0.0992	0.08043		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00101	U	0.198	0.1624		mg/Kg		82	70 - 130
o-Xylene	<0.000343	U	0.0992	0.07841		mg/Kg		79	70 - 130
<b>Surrogate</b>	<b>MS %Recovery</b>	<b>MS Qualifier</b>	<b>Limits</b>						
4-Bromofluorobenzene (Surr)	101		70 - 130						
1,4-Difluorobenzene (Surr)	94		70 - 130						

**Lab Sample ID: 890-1994-21 MSD**  
**Matrix: Solid**  
**Analysis Batch: 20376**

**Client Sample ID: TP8S-2**  
**Prep Type: Total/NA**  
**Prep Batch: 20206**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.000384	U	0.0996	0.07875		mg/Kg		79	70 - 130	1	35
Toluene	<0.000455	U	0.0996	0.07662		mg/Kg		77	70 - 130	1	35
Ethylbenzene	<0.000564	U	0.0996	0.07833		mg/Kg		79	70 - 130	3	35
m-Xylene & p-Xylene	<0.00101	U	0.199	0.1583		mg/Kg		79	70 - 130	3	35
o-Xylene	<0.000343	U	0.0996	0.07548		mg/Kg		76	70 - 130	4	35

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

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

Lab Sample ID: 890-1994-21 MSD  
Matrix: Solid  
Analysis Batch: 20376

Client Sample ID: TP8S-2  
Prep Type: Total/NA  
Prep Batch: 20206

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: MB 880-20320/5-A  
Matrix: Solid  
Analysis Batch: 20288

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 20320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/25/22 13:38	02/27/22 05:08	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/25/22 13:38	02/27/22 05:08	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		02/25/22 13:38	02/27/22 05:08	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		02/25/22 13:38	02/27/22 05:08	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		02/25/22 13:38	02/27/22 05:08	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		02/25/22 13:38	02/27/22 05:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	02/25/22 13:38	02/27/22 05:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/25/22 13:38	02/27/22 05:08	1

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

Lab Sample ID: MB 880-20078/1-A  
Matrix: Solid  
Analysis Batch: 20115

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 20078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 10:57	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 10:57	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 15:57	02/23/22 10:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	02/22/22 15:57	02/23/22 10:57	1
o-Terphenyl	108		70 - 130	02/22/22 15:57	02/23/22 10:57	1

Lab Sample ID: LCS 880-20078/2-A  
Matrix: Solid  
Analysis Batch: 20115

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 20078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	910.6		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	901.7		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	110		70 - 130

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

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

**Lab Sample ID: LCSD 880-20078/3-A**  
**Matrix: Solid**  
**Analysis Batch: 20115**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 20078**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	876.9		mg/Kg		88	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	1000	839.8		mg/Kg		84	70 - 130	7	20	
		<b>LCSD</b>	<b>LCSD</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1-Chlorooctane	92		70 - 130							
o-Terphenyl	102		70 - 130							

**Lab Sample ID: 890-1994-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 20115**

**Client Sample ID: TP7E-2**  
**Prep Type: Total/NA**  
**Prep Batch: 20078**

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	<15.0	U F1	1000	1460	F1	mg/Kg		146	70 - 130		
Diesel Range Organics (Over C10-C28)	<15.0	U F1	1000	1352	F1	mg/Kg		135	70 - 130		
		<b>MS</b>	<b>MS</b>								
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1-Chlorooctane	71		70 - 130								
o-Terphenyl	76		70 - 130								

**Lab Sample ID: 890-1994-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 20115**

**Client Sample ID: TP7E-2**  
**Prep Type: Total/NA**  
**Prep Batch: 20078**

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	<15.0	U F1	998	1432	F1	mg/Kg		143	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<15.0	U F1	998	1340	F1	mg/Kg		134	70 - 130	1	20
		<b>MSD</b>	<b>MSD</b>								
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1-Chlorooctane	78		70 - 130								
o-Terphenyl	75		70 - 130								

**Lab Sample ID: MB 880-20088/1-A**  
**Matrix: Solid**  
**Analysis Batch: 20116**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 20088**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		02/22/22 16:53	02/23/22 22:07	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 16:53	02/23/22 22:07	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/22/22 16:53	02/23/22 22:07	1

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

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

**Lab Sample ID: MB 880-20088/1-A**  
**Matrix: Solid**  
**Analysis Batch: 20116**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 20088**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	80		70 - 130	02/22/22 16:53	02/23/22 22:07	1
o-Terphenyl	89		70 - 130	02/22/22 16:53	02/23/22 22:07	1

**Lab Sample ID: LCS 880-20088/2-A**  
**Matrix: Solid**  
**Analysis Batch: 20116**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 20088**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	823.1		mg/Kg		82	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	951.1		mg/Kg		95	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	100		70 - 130
o-Terphenyl	99		70 - 130

**Lab Sample ID: LCSD 880-20088/3-A**  
**Matrix: Solid**  
**Analysis Batch: 20116**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 20088**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
							Limits	RPD	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	936.3		mg/Kg		94	70 - 130	13	20	
Diesel Range Organics (Over C10-C28)	1000	1052		mg/Kg		105	70 - 130	10	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	109		70 - 130
o-Terphenyl	104		70 - 130

**Lab Sample ID: MB 880-20142/1-A**  
**Matrix: Solid**  
**Analysis Batch: 20195**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 20142**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 11:50	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 11:50	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/23/22 11:20	02/24/22 11:50	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	96		70 - 130	02/23/22 11:20	02/24/22 11:50	1
o-Terphenyl	100		70 - 130	02/23/22 11:20	02/24/22 11:50	1

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

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

**Lab Sample ID: LCS 880-20142/2-A**  
**Matrix: Solid**  
**Analysis Batch: 20195**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 20142**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	974.0		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1032		mg/Kg		103	70 - 130
<b>Surrogate</b>		<b>LCS %Recovery</b>	<b>LCS Qualifier</b>				<b>Limits</b>
1-Chlorooctane		110					70 - 130
o-Terphenyl		123					70 - 130

**Lab Sample ID: LCSD 880-20142/3-A**  
**Matrix: Solid**  
**Analysis Batch: 20195**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 20142**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	924.9		mg/Kg		92	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	912.6		mg/Kg		91	70 - 130	12	20
<b>Surrogate</b>		<b>LCSD %Recovery</b>	<b>LCSD Qualifier</b>				<b>Limits</b>		
1-Chlorooctane		102					70 - 130		
o-Terphenyl		101					70 - 130		

**Lab Sample ID: 890-1994-21 MS**  
**Matrix: Solid**  
**Analysis Batch: 20195**

**Client Sample ID: TP8S-2**  
**Prep Type: Total/NA**  
**Prep Batch: 20142**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	1000	1170		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	<15.0	U	1000	1298		mg/Kg		130	70 - 130
<b>Surrogate</b>				<b>MS %Recovery</b>	<b>MS Qualifier</b>				<b>Limits</b>
1-Chlorooctane				83					70 - 130
o-Terphenyl				88					70 - 130

**Lab Sample ID: 890-1994-21 MSD**  
**Matrix: Solid**  
**Analysis Batch: 20195**

**Client Sample ID: TP8S-2**  
**Prep Type: Total/NA**  
**Prep Batch: 20142**

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	<15.0	U	998	953.0		mg/Kg		95	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	<15.0	U	998	1072		mg/Kg		107	70 - 130	19	20
<b>Surrogate</b>				<b>MSD %Recovery</b>	<b>MSD Qualifier</b>				<b>Limits</b>		
1-Chlorooctane				71					70 - 130		

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### QC Sample Results

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

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

Lab Sample ID: 890-1994-21 MSD  
Matrix: Solid  
Analysis Batch: 20195

Client Sample ID: TP8S-2  
Prep Type: Total/NA  
Prep Batch: 20142

Surrogate	%Recovery	MSD Qualifier	MSD Limits
<i>o</i> -Terphenyl	73		70 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20131/1-A  
Matrix: Solid  
Analysis Batch: 20163

Client Sample ID: Method Blank  
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			02/24/22 08:26	1

Lab Sample ID: LCS 880-20131/2-A  
Matrix: Solid  
Analysis Batch: 20163

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	246.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-20131/3-A  
Matrix: Solid  
Analysis Batch: 20163

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	250	246.3		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-1994-3 MS  
Matrix: Solid  
Analysis Batch: 20163

Client Sample ID: TP7E-6  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.56	J	248	253.7		mg/Kg		101	90 - 110

Lab Sample ID: 890-1994-3 MSD  
Matrix: Solid  
Analysis Batch: 20163

Client Sample ID: TP7E-6  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	3.56	J	248	249.9		mg/Kg		100	90 - 110	2	20

Lab Sample ID: MB 880-20133/1-A  
Matrix: Solid  
Analysis Batch: 20164

Client Sample ID: Method Blank  
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			02/24/22 13:12	1

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### QC Sample Results

Client: GHD Services Inc.  
 Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
 SDG: 11224668

**Method: 300.0 - Anions, Ion Chromatography (Continued)**

Lab Sample ID: LCS 880-20133/2-A  
 Matrix: Solid  
 Analysis Batch: 20164

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	234.4		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-20133/3-A  
 Matrix: Solid  
 Analysis Batch: 20164

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	253.9		mg/Kg		102	90 - 110	8	20

Lab Sample ID: 890-1994-13 MS  
 Matrix: Solid  
 Analysis Batch: 20164

Client Sample ID: TP7N-6  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	8.20		250	259.8		mg/Kg		101	90 - 110

Lab Sample ID: 890-1994-13 MSD  
 Matrix: Solid  
 Analysis Batch: 20164

Client Sample ID: TP7N-6  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8.20		250	259.7		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-1994-23 MS  
 Matrix: Solid  
 Analysis Batch: 20164

Client Sample ID: TP8S-6  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.2		248	269.2		mg/Kg		104	90 - 110

Lab Sample ID: 890-1994-23 MSD  
 Matrix: Solid  
 Analysis Batch: 20164

Client Sample ID: TP8S-6  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.2		248	275.9		mg/Kg		107	90 - 110	2	20

Lab Sample ID: MB 880-20134/1-A  
 Matrix: Solid  
 Analysis Batch: 20166

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			02/24/22 17:56	1

Lab Sample ID: LCS 880-20134/2-A  
 Matrix: Solid  
 Analysis Batch: 20166

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.8		mg/Kg		102	90 - 110

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### QC Sample Results

Client: GHD Services Inc.  
 Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
 SDG: 11224668

**Method: 300.0 - Anions, Ion Chromatography**

**Lab Sample ID: LCSD 880-20134/3-A**  
**Matrix: Solid**  
**Analysis Batch: 20166**

**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	257.5		mg/Kg		103	90 - 110	1	20

**Lab Sample ID: 890-1994-33 MS**  
**Matrix: Solid**  
**Analysis Batch: 20166**

**Client Sample ID: TP8N-2**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11.9	F1	248	267.7		mg/Kg		103	90 - 110		

**Lab Sample ID: 890-1994-33 MSD**  
**Matrix: Solid**  
**Analysis Batch: 20166**

**Client Sample ID: TP8N-2**  
**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11.9	F1	248	233.6	F1	mg/Kg		89	90 - 110	14	20

## QC Association Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## GC VOA

## Prep Batch: 20205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-1	TP7E-2	Total/NA	Solid	5035	
890-1994-2	TP7E-4	Total/NA	Solid	5035	
890-1994-3	TP7E-6	Total/NA	Solid	5035	
890-1994-4	TP7E-8	Total/NA	Solid	5035	
890-1994-5	TP7E-10	Total/NA	Solid	5035	
890-1994-6	TP7W-2	Total/NA	Solid	5035	
890-1994-7	TP7W-4	Total/NA	Solid	5035	
890-1994-8	TP7W-6	Total/NA	Solid	5035	
890-1994-9	TP7W-8	Total/NA	Solid	5035	
890-1994-10	TP7W-10	Total/NA	Solid	5035	
890-1994-11	TP7N-2	Total/NA	Solid	5035	
890-1994-12	TP7N-4	Total/NA	Solid	5035	
890-1994-13	TP7N-6	Total/NA	Solid	5035	
890-1994-14	TP7N-8	Total/NA	Solid	5035	
890-1994-15	TP7N-10	Total/NA	Solid	5035	
890-1994-16	TP7S-2	Total/NA	Solid	5035	
890-1994-17	TP7S-4	Total/NA	Solid	5035	
890-1994-18	TP7S-6	Total/NA	Solid	5035	
890-1994-19	TP7S-8	Total/NA	Solid	5035	
890-1994-20	TP7S-10	Total/NA	Solid	5035	
MB 880-20205/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20205/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20205/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1994-1 MS	TP7E-2	Total/NA	Solid	5035	
890-1994-1 MSD	TP7E-2	Total/NA	Solid	5035	

## Prep Batch: 20206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-21	TP8S-2	Total/NA	Solid	5035	
890-1994-22	TP8S-4	Total/NA	Solid	5035	
890-1994-23	TP8S-6	Total/NA	Solid	5035	
890-1994-24	TP8S-10	Total/NA	Solid	5035	
890-1994-25	TP8W-2	Total/NA	Solid	5035	
890-1994-26	TP8W-4	Total/NA	Solid	5035	
890-1994-27	TP8W-6	Total/NA	Solid	5035	
890-1994-28	TP8W-8	Total/NA	Solid	5035	
890-1994-29	TP8E-2	Total/NA	Solid	5035	
890-1994-30	TP8E-4	Total/NA	Solid	5035	
890-1994-31	TP8E-6	Total/NA	Solid	5035	
890-1994-32	TP8E-8	Total/NA	Solid	5035	
890-1994-33	TP8N-2	Total/NA	Solid	5035	
890-1994-34	TP8N-4	Total/NA	Solid	5035	
890-1994-35	TP8N-6	Total/NA	Solid	5035	
890-1994-36	TP8N-8	Total/NA	Solid	5035	
MB 880-20206/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20206/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20206/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1994-21 MS	TP8S-2	Total/NA	Solid	5035	
890-1994-21 MSD	TP8S-2	Total/NA	Solid	5035	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## GC VOA

## Analysis Batch: 20288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-1	TP7E-2	Total/NA	Solid	8021B	20205
890-1994-2	TP7E-4	Total/NA	Solid	8021B	20205
890-1994-3	TP7E-6	Total/NA	Solid	8021B	20205
890-1994-4	TP7E-8	Total/NA	Solid	8021B	20205
890-1994-5	TP7E-10	Total/NA	Solid	8021B	20205
890-1994-6	TP7W-2	Total/NA	Solid	8021B	20205
890-1994-7	TP7W-4	Total/NA	Solid	8021B	20205
890-1994-8	TP7W-6	Total/NA	Solid	8021B	20205
890-1994-9	TP7W-8	Total/NA	Solid	8021B	20205
890-1994-10	TP7W-10	Total/NA	Solid	8021B	20205
890-1994-11	TP7N-2	Total/NA	Solid	8021B	20205
890-1994-12	TP7N-4	Total/NA	Solid	8021B	20205
890-1994-13	TP7N-6	Total/NA	Solid	8021B	20205
890-1994-14	TP7N-8	Total/NA	Solid	8021B	20205
890-1994-15	TP7N-10	Total/NA	Solid	8021B	20205
890-1994-16	TP7S-2	Total/NA	Solid	8021B	20205
890-1994-17	TP7S-4	Total/NA	Solid	8021B	20205
890-1994-18	TP7S-6	Total/NA	Solid	8021B	20205
890-1994-19	TP7S-8	Total/NA	Solid	8021B	20205
890-1994-20	TP7S-10	Total/NA	Solid	8021B	20205
MB 880-20205/5-A	Method Blank	Total/NA	Solid	8021B	20205
MB 880-20320/5-A	Method Blank	Total/NA	Solid	8021B	20320
LCS 880-20205/1-A	Lab Control Sample	Total/NA	Solid	8021B	20205
LCSD 880-20205/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20205
890-1994-1 MS	TP7E-2	Total/NA	Solid	8021B	20205
890-1994-1 MSD	TP7E-2	Total/NA	Solid	8021B	20205

## Prep Batch: 20320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20320/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 20376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-21	TP8S-2	Total/NA	Solid	8021B	20206
890-1994-22	TP8S-4	Total/NA	Solid	8021B	20206
890-1994-23	TP8S-6	Total/NA	Solid	8021B	20206
890-1994-24	TP8S-10	Total/NA	Solid	8021B	20206
890-1994-25	TP8W-2	Total/NA	Solid	8021B	20206
890-1994-26	TP8W-4	Total/NA	Solid	8021B	20206
890-1994-27	TP8W-6	Total/NA	Solid	8021B	20206
890-1994-28	TP8W-8	Total/NA	Solid	8021B	20206
890-1994-29	TP8E-2	Total/NA	Solid	8021B	20206
890-1994-30	TP8E-4	Total/NA	Solid	8021B	20206
890-1994-31	TP8E-6	Total/NA	Solid	8021B	20206
890-1994-32	TP8E-8	Total/NA	Solid	8021B	20206
890-1994-33	TP8N-2	Total/NA	Solid	8021B	20206
890-1994-34	TP8N-4	Total/NA	Solid	8021B	20206
890-1994-35	TP8N-6	Total/NA	Solid	8021B	20206
890-1994-36	TP8N-8	Total/NA	Solid	8021B	20206
MB 880-20206/5-A	Method Blank	Total/NA	Solid	8021B	20206
LCS 880-20206/1-A	Lab Control Sample	Total/NA	Solid	8021B	20206

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## GC VOA (Continued)

## Analysis Batch: 20376 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-20206/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20206
890-1994-21 MS	TP8S-2	Total/NA	Solid	8021B	20206
890-1994-21 MSD	TP8S-2	Total/NA	Solid	8021B	20206

## Analysis Batch: 20474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-1	TP7E-2	Total/NA	Solid	Total BTEX	
890-1994-2	TP7E-4	Total/NA	Solid	Total BTEX	
890-1994-3	TP7E-6	Total/NA	Solid	Total BTEX	
890-1994-4	TP7E-8	Total/NA	Solid	Total BTEX	
890-1994-5	TP7E-10	Total/NA	Solid	Total BTEX	
890-1994-6	TP7W-2	Total/NA	Solid	Total BTEX	
890-1994-7	TP7W-4	Total/NA	Solid	Total BTEX	
890-1994-8	TP7W-6	Total/NA	Solid	Total BTEX	
890-1994-9	TP7W-8	Total/NA	Solid	Total BTEX	
890-1994-10	TP7W-10	Total/NA	Solid	Total BTEX	
890-1994-11	TP7N-2	Total/NA	Solid	Total BTEX	
890-1994-12	TP7N-4	Total/NA	Solid	Total BTEX	
890-1994-13	TP7N-6	Total/NA	Solid	Total BTEX	
890-1994-14	TP7N-8	Total/NA	Solid	Total BTEX	
890-1994-15	TP7N-10	Total/NA	Solid	Total BTEX	
890-1994-16	TP7S-2	Total/NA	Solid	Total BTEX	
890-1994-17	TP7S-4	Total/NA	Solid	Total BTEX	
890-1994-18	TP7S-6	Total/NA	Solid	Total BTEX	
890-1994-19	TP7S-8	Total/NA	Solid	Total BTEX	
890-1994-20	TP7S-10	Total/NA	Solid	Total BTEX	
890-1994-21	TP8S-2	Total/NA	Solid	Total BTEX	
890-1994-22	TP8S-4	Total/NA	Solid	Total BTEX	
890-1994-23	TP8S-6	Total/NA	Solid	Total BTEX	
890-1994-24	TP8S-10	Total/NA	Solid	Total BTEX	
890-1994-25	TP8W-2	Total/NA	Solid	Total BTEX	
890-1994-26	TP8W-4	Total/NA	Solid	Total BTEX	
890-1994-27	TP8W-6	Total/NA	Solid	Total BTEX	
890-1994-28	TP8W-8	Total/NA	Solid	Total BTEX	
890-1994-29	TP8E-2	Total/NA	Solid	Total BTEX	
890-1994-30	TP8E-4	Total/NA	Solid	Total BTEX	
890-1994-31	TP8E-6	Total/NA	Solid	Total BTEX	
890-1994-32	TP8E-8	Total/NA	Solid	Total BTEX	
890-1994-33	TP8N-2	Total/NA	Solid	Total BTEX	
890-1994-34	TP8N-4	Total/NA	Solid	Total BTEX	
890-1994-35	TP8N-6	Total/NA	Solid	Total BTEX	
890-1994-36	TP8N-8	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 20078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-1	TP7E-2	Total/NA	Solid	8015NM Prep	
890-1994-2	TP7E-4	Total/NA	Solid	8015NM Prep	
890-1994-3	TP7E-6	Total/NA	Solid	8015NM Prep	
890-1994-4	TP7E-8	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## GC Semi VOA (Continued)

## Prep Batch: 20078 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-5	TP7E-10	Total/NA	Solid	8015NM Prep	
890-1994-6	TP7W-2	Total/NA	Solid	8015NM Prep	
890-1994-7	TP7W-4	Total/NA	Solid	8015NM Prep	
890-1994-8	TP7W-6	Total/NA	Solid	8015NM Prep	
890-1994-9	TP7W-8	Total/NA	Solid	8015NM Prep	
890-1994-10	TP7W-10	Total/NA	Solid	8015NM Prep	
890-1994-11	TP7N-2	Total/NA	Solid	8015NM Prep	
890-1994-12	TP7N-4	Total/NA	Solid	8015NM Prep	
890-1994-13	TP7N-6	Total/NA	Solid	8015NM Prep	
890-1994-14	TP7N-8	Total/NA	Solid	8015NM Prep	
890-1994-15	TP7N-10	Total/NA	Solid	8015NM Prep	
890-1994-16	TP7S-2	Total/NA	Solid	8015NM Prep	
890-1994-17	TP7S-4	Total/NA	Solid	8015NM Prep	
890-1994-18	TP7S-6	Total/NA	Solid	8015NM Prep	
890-1994-19	TP7S-8	Total/NA	Solid	8015NM Prep	
890-1994-20	TP7S-10	Total/NA	Solid	8015NM Prep	
MB 880-20078/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20078/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20078/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1994-1 MS	TP7E-2	Total/NA	Solid	8015NM Prep	
890-1994-1 MSD	TP7E-2	Total/NA	Solid	8015NM Prep	

## Prep Batch: 20088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-36	TP8N-8	Total/NA	Solid	8015NM Prep	
MB 880-20088/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20088/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20088/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 20115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-1	TP7E-2	Total/NA	Solid	8015B NM	20078
890-1994-2	TP7E-4	Total/NA	Solid	8015B NM	20078
890-1994-3	TP7E-6	Total/NA	Solid	8015B NM	20078
890-1994-4	TP7E-8	Total/NA	Solid	8015B NM	20078
890-1994-5	TP7E-10	Total/NA	Solid	8015B NM	20078
890-1994-6	TP7W-2	Total/NA	Solid	8015B NM	20078
890-1994-7	TP7W-4	Total/NA	Solid	8015B NM	20078
890-1994-8	TP7W-6	Total/NA	Solid	8015B NM	20078
890-1994-9	TP7W-8	Total/NA	Solid	8015B NM	20078
890-1994-10	TP7W-10	Total/NA	Solid	8015B NM	20078
890-1994-11	TP7N-2	Total/NA	Solid	8015B NM	20078
890-1994-12	TP7N-4	Total/NA	Solid	8015B NM	20078
890-1994-13	TP7N-6	Total/NA	Solid	8015B NM	20078
890-1994-14	TP7N-8	Total/NA	Solid	8015B NM	20078
890-1994-15	TP7N-10	Total/NA	Solid	8015B NM	20078
890-1994-16	TP7S-2	Total/NA	Solid	8015B NM	20078
890-1994-17	TP7S-4	Total/NA	Solid	8015B NM	20078
890-1994-18	TP7S-6	Total/NA	Solid	8015B NM	20078
890-1994-19	TP7S-8	Total/NA	Solid	8015B NM	20078
890-1994-20	TP7S-10	Total/NA	Solid	8015B NM	20078

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## GC Semi VOA (Continued)

## Analysis Batch: 20115 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20078/1-A	Method Blank	Total/NA	Solid	8015B NM	20078
LCS 880-20078/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20078
LCSD 880-20078/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20078
890-1994-1 MS	TP7E-2	Total/NA	Solid	8015B NM	20078
890-1994-1 MSD	TP7E-2	Total/NA	Solid	8015B NM	20078

## Analysis Batch: 20116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-36	TP8N-8	Total/NA	Solid	8015B NM	20088
MB 880-20088/1-A	Method Blank	Total/NA	Solid	8015B NM	20088
LCS 880-20088/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20088
LCSD 880-20088/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20088

## Prep Batch: 20142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-21	TP8S-2	Total/NA	Solid	8015NM Prep	
890-1994-22	TP8S-4	Total/NA	Solid	8015NM Prep	
890-1994-23	TP8S-6	Total/NA	Solid	8015NM Prep	
890-1994-24	TP8S-10	Total/NA	Solid	8015NM Prep	
890-1994-25	TP8W-2	Total/NA	Solid	8015NM Prep	
890-1994-26	TP8W-4	Total/NA	Solid	8015NM Prep	
890-1994-27	TP8W-6	Total/NA	Solid	8015NM Prep	
890-1994-28	TP8W-8	Total/NA	Solid	8015NM Prep	
890-1994-29	TP8E-2	Total/NA	Solid	8015NM Prep	
890-1994-30	TP8E-4	Total/NA	Solid	8015NM Prep	
890-1994-31	TP8E-6	Total/NA	Solid	8015NM Prep	
890-1994-32	TP8E-8	Total/NA	Solid	8015NM Prep	
890-1994-33	TP8N-2	Total/NA	Solid	8015NM Prep	
890-1994-34	TP8N-4	Total/NA	Solid	8015NM Prep	
890-1994-35	TP8N-6	Total/NA	Solid	8015NM Prep	
MB 880-20142/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20142/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20142/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1994-21 MS	TP8S-2	Total/NA	Solid	8015NM Prep	
890-1994-21 MSD	TP8S-2	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 20195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-21	TP8S-2	Total/NA	Solid	8015B NM	20142
890-1994-22	TP8S-4	Total/NA	Solid	8015B NM	20142
890-1994-23	TP8S-6	Total/NA	Solid	8015B NM	20142
890-1994-24	TP8S-10	Total/NA	Solid	8015B NM	20142
890-1994-25	TP8W-2	Total/NA	Solid	8015B NM	20142
890-1994-26	TP8W-4	Total/NA	Solid	8015B NM	20142
890-1994-27	TP8W-6	Total/NA	Solid	8015B NM	20142
890-1994-28	TP8W-8	Total/NA	Solid	8015B NM	20142
890-1994-29	TP8E-2	Total/NA	Solid	8015B NM	20142
890-1994-30	TP8E-4	Total/NA	Solid	8015B NM	20142
890-1994-31	TP8E-6	Total/NA	Solid	8015B NM	20142
890-1994-32	TP8E-8	Total/NA	Solid	8015B NM	20142
890-1994-33	TP8N-2	Total/NA	Solid	8015B NM	20142

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## GC Semi VOA (Continued)

## Analysis Batch: 20195 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-34	TP8N-4	Total/NA	Solid	8015B NM	20142
890-1994-35	TP8N-6	Total/NA	Solid	8015B NM	20142
MB 880-20142/1-A	Method Blank	Total/NA	Solid	8015B NM	20142
LCS 880-20142/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20142
LCSD 880-20142/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20142
890-1994-21 MS	TP8S-2	Total/NA	Solid	8015B NM	20142
890-1994-21 MSD	TP8S-2	Total/NA	Solid	8015B NM	20142

## Analysis Batch: 20250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-1	TP7E-2	Total/NA	Solid	8015 NM	
890-1994-2	TP7E-4	Total/NA	Solid	8015 NM	
890-1994-3	TP7E-6	Total/NA	Solid	8015 NM	
890-1994-4	TP7E-8	Total/NA	Solid	8015 NM	
890-1994-5	TP7E-10	Total/NA	Solid	8015 NM	
890-1994-6	TP7W-2	Total/NA	Solid	8015 NM	
890-1994-7	TP7W-4	Total/NA	Solid	8015 NM	
890-1994-8	TP7W-6	Total/NA	Solid	8015 NM	
890-1994-9	TP7W-8	Total/NA	Solid	8015 NM	
890-1994-10	TP7W-10	Total/NA	Solid	8015 NM	
890-1994-11	TP7N-2	Total/NA	Solid	8015 NM	
890-1994-12	TP7N-4	Total/NA	Solid	8015 NM	
890-1994-13	TP7N-6	Total/NA	Solid	8015 NM	
890-1994-14	TP7N-8	Total/NA	Solid	8015 NM	
890-1994-15	TP7N-10	Total/NA	Solid	8015 NM	
890-1994-16	TP7S-2	Total/NA	Solid	8015 NM	
890-1994-17	TP7S-4	Total/NA	Solid	8015 NM	
890-1994-18	TP7S-6	Total/NA	Solid	8015 NM	
890-1994-19	TP7S-8	Total/NA	Solid	8015 NM	
890-1994-20	TP7S-10	Total/NA	Solid	8015 NM	
890-1994-36	TP8N-8	Total/NA	Solid	8015 NM	

## Analysis Batch: 20572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-21	TP8S-2	Total/NA	Solid	8015 NM	
890-1994-22	TP8S-4	Total/NA	Solid	8015 NM	
890-1994-23	TP8S-6	Total/NA	Solid	8015 NM	
890-1994-24	TP8S-10	Total/NA	Solid	8015 NM	
890-1994-25	TP8W-2	Total/NA	Solid	8015 NM	
890-1994-26	TP8W-4	Total/NA	Solid	8015 NM	
890-1994-27	TP8W-6	Total/NA	Solid	8015 NM	
890-1994-28	TP8W-8	Total/NA	Solid	8015 NM	
890-1994-29	TP8E-2	Total/NA	Solid	8015 NM	
890-1994-30	TP8E-4	Total/NA	Solid	8015 NM	
890-1994-31	TP8E-6	Total/NA	Solid	8015 NM	
890-1994-32	TP8E-8	Total/NA	Solid	8015 NM	
890-1994-33	TP8N-2	Total/NA	Solid	8015 NM	
890-1994-34	TP8N-4	Total/NA	Solid	8015 NM	
890-1994-35	TP8N-6	Total/NA	Solid	8015 NM	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## HPLC/IC

## Leach Batch: 20131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-1	TP7E-2	Soluble	Solid	DI Leach	
890-1994-2	TP7E-4	Soluble	Solid	DI Leach	
890-1994-3	TP7E-6	Soluble	Solid	DI Leach	
890-1994-4	TP7E-8	Soluble	Solid	DI Leach	
890-1994-5	TP7E-10	Soluble	Solid	DI Leach	
890-1994-6	TP7W-2	Soluble	Solid	DI Leach	
890-1994-7	TP7W-4	Soluble	Solid	DI Leach	
890-1994-8	TP7W-6	Soluble	Solid	DI Leach	
890-1994-9	TP7W-8	Soluble	Solid	DI Leach	
890-1994-10	TP7W-10	Soluble	Solid	DI Leach	
890-1994-11	TP7N-2	Soluble	Solid	DI Leach	
890-1994-12	TP7N-4	Soluble	Solid	DI Leach	
MB 880-20131/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20131/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20131/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1994-3 MS	TP7E-6	Soluble	Solid	DI Leach	
890-1994-3 MSD	TP7E-6	Soluble	Solid	DI Leach	

## Leach Batch: 20133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-13	TP7N-6	Soluble	Solid	DI Leach	
890-1994-14	TP7N-8	Soluble	Solid	DI Leach	
890-1994-15	TP7N-10	Soluble	Solid	DI Leach	
890-1994-16	TP7S-2	Soluble	Solid	DI Leach	
890-1994-17	TP7S-4	Soluble	Solid	DI Leach	
890-1994-18	TP7S-6	Soluble	Solid	DI Leach	
890-1994-19	TP7S-8	Soluble	Solid	DI Leach	
890-1994-20	TP7S-10	Soluble	Solid	DI Leach	
890-1994-21	TP8S-2	Soluble	Solid	DI Leach	
890-1994-22	TP8S-4	Soluble	Solid	DI Leach	
890-1994-23	TP8S-6	Soluble	Solid	DI Leach	
890-1994-24	TP8S-10	Soluble	Solid	DI Leach	
890-1994-25	TP8W-2	Soluble	Solid	DI Leach	
890-1994-26	TP8W-4	Soluble	Solid	DI Leach	
890-1994-27	TP8W-6	Soluble	Solid	DI Leach	
890-1994-28	TP8W-8	Soluble	Solid	DI Leach	
890-1994-29	TP8E-2	Soluble	Solid	DI Leach	
890-1994-30	TP8E-4	Soluble	Solid	DI Leach	
890-1994-31	TP8E-6	Soluble	Solid	DI Leach	
890-1994-32	TP8E-8	Soluble	Solid	DI Leach	
MB 880-20133/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20133/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20133/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1994-13 MS	TP7N-6	Soluble	Solid	DI Leach	
890-1994-13 MSD	TP7N-6	Soluble	Solid	DI Leach	
890-1994-23 MS	TP8S-6	Soluble	Solid	DI Leach	
890-1994-23 MSD	TP8S-6	Soluble	Solid	DI Leach	

## Leach Batch: 20134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-33	TP8N-2	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## HPLC/IC (Continued)

## Leach Batch: 20134 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-34	TP8N-4	Soluble	Solid	DI Leach	
890-1994-35	TP8N-6	Soluble	Solid	DI Leach	
890-1994-36	TP8N-8	Soluble	Solid	DI Leach	
MB 880-20134/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20134/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20134/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1994-33 MS	TP8N-2	Soluble	Solid	DI Leach	
890-1994-33 MSD	TP8N-2	Soluble	Solid	DI Leach	

## Analysis Batch: 20163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-1	TP7E-2	Soluble	Solid	300.0	20131
890-1994-2	TP7E-4	Soluble	Solid	300.0	20131
890-1994-3	TP7E-6	Soluble	Solid	300.0	20131
890-1994-4	TP7E-8	Soluble	Solid	300.0	20131
890-1994-5	TP7E-10	Soluble	Solid	300.0	20131
890-1994-6	TP7W-2	Soluble	Solid	300.0	20131
890-1994-7	TP7W-4	Soluble	Solid	300.0	20131
890-1994-8	TP7W-6	Soluble	Solid	300.0	20131
890-1994-9	TP7W-8	Soluble	Solid	300.0	20131
890-1994-10	TP7W-10	Soluble	Solid	300.0	20131
890-1994-11	TP7N-2	Soluble	Solid	300.0	20131
890-1994-12	TP7N-4	Soluble	Solid	300.0	20131
MB 880-20131/1-A	Method Blank	Soluble	Solid	300.0	20131
LCS 880-20131/2-A	Lab Control Sample	Soluble	Solid	300.0	20131
LCSD 880-20131/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20131
890-1994-3 MS	TP7E-6	Soluble	Solid	300.0	20131
890-1994-3 MSD	TP7E-6	Soluble	Solid	300.0	20131

## Analysis Batch: 20164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-13	TP7N-6	Soluble	Solid	300.0	20133
890-1994-14	TP7N-8	Soluble	Solid	300.0	20133
890-1994-15	TP7N-10	Soluble	Solid	300.0	20133
890-1994-16	TP7S-2	Soluble	Solid	300.0	20133
890-1994-17	TP7S-4	Soluble	Solid	300.0	20133
890-1994-18	TP7S-6	Soluble	Solid	300.0	20133
890-1994-19	TP7S-8	Soluble	Solid	300.0	20133
890-1994-20	TP7S-10	Soluble	Solid	300.0	20133
890-1994-21	TP8S-2	Soluble	Solid	300.0	20133
890-1994-22	TP8S-4	Soluble	Solid	300.0	20133
890-1994-23	TP8S-6	Soluble	Solid	300.0	20133
890-1994-24	TP8S-10	Soluble	Solid	300.0	20133
890-1994-25	TP8W-2	Soluble	Solid	300.0	20133
890-1994-26	TP8W-4	Soluble	Solid	300.0	20133
890-1994-27	TP8W-6	Soluble	Solid	300.0	20133
890-1994-28	TP8W-8	Soluble	Solid	300.0	20133
890-1994-29	TP8E-2	Soluble	Solid	300.0	20133
890-1994-30	TP8E-4	Soluble	Solid	300.0	20133
890-1994-31	TP8E-6	Soluble	Solid	300.0	20133
890-1994-32	TP8E-8	Soluble	Solid	300.0	20133

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## HPLC/IC (Continued)

## Analysis Batch: 20164 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20133/1-A	Method Blank	Soluble	Solid	300.0	20133
LCS 880-20133/2-A	Lab Control Sample	Soluble	Solid	300.0	20133
LCSD 880-20133/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20133
890-1994-13 MS	TP7N-6	Soluble	Solid	300.0	20133
890-1994-13 MSD	TP7N-6	Soluble	Solid	300.0	20133
890-1994-23 MS	TP8S-6	Soluble	Solid	300.0	20133
890-1994-23 MSD	TP8S-6	Soluble	Solid	300.0	20133

## Analysis Batch: 20166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1994-33	TP8N-2	Soluble	Solid	300.0	20134
890-1994-34	TP8N-4	Soluble	Solid	300.0	20134
890-1994-35	TP8N-6	Soluble	Solid	300.0	20134
890-1994-36	TP8N-8	Soluble	Solid	300.0	20134
MB 880-20134/1-A	Method Blank	Soluble	Solid	300.0	20134
LCS 880-20134/2-A	Lab Control Sample	Soluble	Solid	300.0	20134
LCSD 880-20134/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20134
890-1994-33 MS	TP8N-2	Soluble	Solid	300.0	20134
890-1994-33 MSD	TP8N-2	Soluble	Solid	300.0	20134

### Lab Chronicle

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

**Client Sample ID: TP7E-2**  
**Date Collected: 02/21/22 08:55**  
**Date Received: 02/21/22 13:27**

**Lab Sample ID: 890-1994-1**  
**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			5.01 g	5 mL	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 17:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 11:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 10:39	CH	XEN MID

**Client Sample ID: TP7E-4**  
**Date Collected: 02/21/22 09:00**  
**Date Received: 02/21/22 13:27**

**Lab Sample ID: 890-1994-2**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 17:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 13:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 10:48	CH	XEN MID

**Client Sample ID: TP7E-6**  
**Date Collected: 02/21/22 09:03**  
**Date Received: 02/21/22 13:27**

**Lab Sample ID: 890-1994-3**  
**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			5.02 g	5 mL	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 18:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 13:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 10:57	CH	XEN MID

**Client Sample ID: TP7E-8**  
**Date Collected: 02/21/22 09:05**  
**Date Received: 02/21/22 13:27**

**Lab Sample ID: 890-1994-4**  
**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			5.05 g	5 mL	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 18:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7E-8

Date Collected: 02/21/22 09:05

Date Received: 02/21/22 13:27

Lab Sample ID: 890-1994-4

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			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 13:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 11:23	CH	XEN MID

Client Sample ID: TP7E-10

Date Collected: 02/21/22 09:15

Date Received: 02/21/22 13:27

Lab Sample ID: 890-1994-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 18:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 14:07	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 11:32	CH	XEN MID

Client Sample ID: TP7W-2

Date Collected: 02/21/22 09:25

Date Received: 02/21/22 13:27

Lab Sample ID: 890-1994-6

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 19:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 14:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 11:59	CH	XEN MID

Client Sample ID: TP7W-4

Date Collected: 02/21/22 09:30

Date Received: 02/21/22 13:27

Lab Sample ID: 890-1994-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 19:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 14:49	AJ	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## Client Sample ID: TP7W-4

Date Collected: 02/21/22 09:30

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-7

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			5.01 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 12:07	CH	XEN MID

## Client Sample ID: TP7W-6

Date Collected: 02/21/22 09:35

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-8

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			5.00 g	5 mL	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 19:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 15:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 12:16	CH	XEN MID

## Client Sample ID: TP7W-8

Date Collected: 02/21/22 09:40

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-9

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			5.04 g	5 mL	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 20:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 15:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 12:25	CH	XEN MID

## Client Sample ID: TP7W-10

Date Collected: 02/21/22 09:45

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-10

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 20:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 15:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 12:34	CH	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7N-2

Lab Sample ID: 890-1994-11

Date Collected: 02/21/22 09:55

Matrix: Solid

Date Received: 02/21/22 13:27

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 22:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 16:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 12:43	CH	XEN MID

Client Sample ID: TP7N-4

Lab Sample ID: 890-1994-12

Date Collected: 02/21/22 10:00

Matrix: Solid

Date Received: 02/21/22 13:27

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 22:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 16:56	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20131	02/23/22 09:56	CH	XEN MID
Soluble	Analysis	300.0		1			20163	02/24/22 12:52	CH	XEN MID

Client Sample ID: TP7N-6

Lab Sample ID: 890-1994-13

Date Collected: 02/21/22 10:05

Matrix: Solid

Date Received: 02/21/22 13:27

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 23:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 17:17	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 13:32	SC	XEN MID

Client Sample ID: TP7N-8

Lab Sample ID: 890-1994-14

Date Collected: 02/21/22 10:10

Matrix: Solid

Date Received: 02/21/22 13:27

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 23:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7N-8

Lab Sample ID: 890-1994-14

Date Collected: 02/21/22 10:10

Matrix: Solid

Date Received: 02/21/22 13:27

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			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 13:51	SC	XEN MID

Client Sample ID: TP7N-10

Lab Sample ID: 890-1994-15

Date Collected: 02/21/22 10:20

Matrix: Solid

Date Received: 02/21/22 13:27

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 23:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 13:57	SC	XEN MID

Client Sample ID: TP7S-2

Lab Sample ID: 890-1994-16

Date Collected: 02/21/22 10:30

Matrix: Solid

Date Received: 02/21/22 13:27

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/28/22 00:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 18:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 14:04	SC	XEN MID

Client Sample ID: TP7S-4

Lab Sample ID: 890-1994-17

Date Collected: 02/21/22 10:35

Matrix: Solid

Date Received: 02/21/22 13:27

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/28/22 00:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 18:41	AJ	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Client Sample ID: TP7S-4

Lab Sample ID: 890-1994-17

Date Collected: 02/21/22 10:35

Matrix: Solid

Date Received: 02/21/22 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 14:10	SC	XEN MID

Client Sample ID: TP7S-6

Lab Sample ID: 890-1994-18

Date Collected: 02/21/22 10:40

Matrix: Solid

Date Received: 02/21/22 13:27

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/28/22 00:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 19:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 14:29	SC	XEN MID

Client Sample ID: TP7S-8

Lab Sample ID: 890-1994-19

Date Collected: 02/21/22 10:45

Matrix: Solid

Date Received: 02/21/22 13:27

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/28/22 01:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 19:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 14:35	SC	XEN MID

Client Sample ID: TP7S-10

Lab Sample ID: 890-1994-20

Date Collected: 02/21/22 10:55

Matrix: Solid

Date Received: 02/21/22 13:27

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	20205	02/24/22 10:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/28/22 01:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	20078	02/22/22 15:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20115	02/23/22 19:44	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 14:42	SC	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## Client Sample ID: TP8S-2

## Lab Sample ID: 890-1994-21

Date Collected: 02/21/22 11:00

Matrix: Solid

Date Received: 02/21/22 13:27

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 13:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 12:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 14:48	SC	XEN MID

## Client Sample ID: TP8S-4

## Lab Sample ID: 890-1994-22

Date Collected: 02/21/22 11:05

Matrix: Solid

Date Received: 02/21/22 13:27

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 14:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 13:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 14:54	SC	XEN MID

## Client Sample ID: TP8S-6

## Lab Sample ID: 890-1994-23

Date Collected: 02/21/22 11:10

Matrix: Solid

Date Received: 02/21/22 13:27

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 14:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 14:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/25/22 18:00	SC	XEN MID

## Client Sample ID: TP8S-10

## Lab Sample ID: 890-1994-24

Date Collected: 02/21/22 11:15

Matrix: Solid

Date Received: 02/21/22 13:27

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 15:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID

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### Lab Chronicle

Client: GHD Services Inc.  
 Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
 SDG: 11224668

**Client Sample ID: TP8S-10**

**Lab Sample ID: 890-1994-24**

Date Collected: 02/21/22 11:15

Matrix: Solid

Date Received: 02/21/22 13:27

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			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 14:33	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/25/22 18:19	SC	XEN MID

**Client Sample ID: TP8W-2**

**Lab Sample ID: 890-1994-25**

Date Collected: 02/21/22 11:20

Matrix: Solid

Date Received: 02/21/22 13:27

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 15:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 14:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 16:27	SC	XEN MID

**Client Sample ID: TP8W-4**

**Lab Sample ID: 890-1994-26**

Date Collected: 02/21/22 11:25

Matrix: Solid

Date Received: 02/21/22 13:27

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 16:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 15:14	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 16:46	SC	XEN MID

**Client Sample ID: TP8W-6**

**Lab Sample ID: 890-1994-27**

Date Collected: 02/21/22 11:30

Matrix: Solid

Date Received: 02/21/22 13:27

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 16:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 15:34	AJ	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## Client Sample ID: TP8W-6

Date Collected: 02/21/22 11:30

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-27

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			4.98 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/25/22 18:25	SC	XEN MID

## Client Sample ID: TP8W-8

Date Collected: 02/21/22 11:35

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 17:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 15:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/25/22 18:32	SC	XEN MID

## Client Sample ID: TP8E-2

Date Collected: 02/21/22 11:40

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-29

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 17:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 16:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 17:05	SC	XEN MID

## Client Sample ID: TP8E-4

Date Collected: 02/21/22 11:45

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 18:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 16:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 17:11	SC	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## Client Sample ID: TP8E-6

Lab Sample ID: 890-1994-31

Date Collected: 02/21/22 11:50

Matrix: Solid

Date Received: 02/21/22 13:27

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 19:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 17:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/24/22 17:18	SC	XEN MID

## Client Sample ID: TP8E-8

Lab Sample ID: 890-1994-32

Date Collected: 02/21/22 11:55

Matrix: Solid

Date Received: 02/21/22 13:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 20:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 17:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20133	02/23/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			20164	02/25/22 18:38	SC	XEN MID

## Client Sample ID: TP8N-2

Lab Sample ID: 890-1994-33

Date Collected: 02/21/22 12:00

Matrix: Solid

Date Received: 02/21/22 13:27

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 20:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 17:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	20134	02/23/22 10:06	CH	XEN MID
Soluble	Analysis	300.0		1			20166	02/24/22 20:10	CH	XEN MID

## Client Sample ID: TP8N-4

Lab Sample ID: 890-1994-34

Date Collected: 02/21/22 12:05

Matrix: Solid

Date Received: 02/21/22 13:27

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 21:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID

Eurofins Carlsbad

## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## Client Sample ID: TP8N-4

Date Collected: 02/21/22 12:05

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-34

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			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 18:16	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20134	02/23/22 10:06	CH	XEN MID
Soluble	Analysis	300.0		1			20166	02/24/22 20:29	CH	XEN MID

## Client Sample ID: TP8N-6

Date Collected: 02/21/22 12:10

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-35

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 21:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20142	02/23/22 11:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/24/22 18:36	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20134	02/23/22 10:06	CH	XEN MID
Soluble	Analysis	300.0		1			20166	02/24/22 20:36	CH	XEN MID

## Client Sample ID: TP8N-8

Date Collected: 02/21/22 12:15

Date Received: 02/21/22 13:27

## Lab Sample ID: 890-1994-36

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	20206	02/24/22 10:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20376	02/26/22 22:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20474	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20250	02/24/22 15:23	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20088	02/22/22 16:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20116	02/24/22 06:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20134	02/23/22 10:06	CH	XEN MID
Soluble	Analysis	300.0		1			20166	02/24/22 20:55	CH	XEN MID

## Laboratory References:

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

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# Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

## 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	T104704400-21-22	06-30-22

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: GHD Services Inc.  
 Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
 SDG: 11224668

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: GHD Services Inc.  
Project/Site: YATES WAYFARER AIY #1

Job ID: 890-1994-1  
SDG: 11224668

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1994-1	TP7E-2	Solid	02/21/22 08:55	02/21/22 13:27
890-1994-2	TP7E-4	Solid	02/21/22 09:00	02/21/22 13:27
890-1994-3	TP7E-6	Solid	02/21/22 09:03	02/21/22 13:27
890-1994-4	TP7E-8	Solid	02/21/22 09:05	02/21/22 13:27
890-1994-5	TP7E-10	Solid	02/21/22 09:15	02/21/22 13:27
890-1994-6	TP7W-2	Solid	02/21/22 09:25	02/21/22 13:27
890-1994-7	TP7W-4	Solid	02/21/22 09:30	02/21/22 13:27
890-1994-8	TP7W-6	Solid	02/21/22 09:35	02/21/22 13:27
890-1994-9	TP7W-8	Solid	02/21/22 09:40	02/21/22 13:27
890-1994-10	TP7W-10	Solid	02/21/22 09:45	02/21/22 13:27
890-1994-11	TP7N-2	Solid	02/21/22 09:55	02/21/22 13:27
890-1994-12	TP7N-4	Solid	02/21/22 10:00	02/21/22 13:27
890-1994-13	TP7N-6	Solid	02/21/22 10:05	02/21/22 13:27
890-1994-14	TP7N-8	Solid	02/21/22 10:10	02/21/22 13:27
890-1994-15	TP7N-10	Solid	02/21/22 10:20	02/21/22 13:27
890-1994-16	TP7S-2	Solid	02/21/22 10:30	02/21/22 13:27
890-1994-17	TP7S-4	Solid	02/21/22 10:35	02/21/22 13:27
890-1994-18	TP7S-6	Solid	02/21/22 10:40	02/21/22 13:27
890-1994-19	TP7S-8	Solid	02/21/22 10:45	02/21/22 13:27
890-1994-20	TP7S-10	Solid	02/21/22 10:55	02/21/22 13:27
890-1994-21	TP8S-2	Solid	02/21/22 11:00	02/21/22 13:27
890-1994-22	TP8S-4	Solid	02/21/22 11:05	02/21/22 13:27
890-1994-23	TP8S-6	Solid	02/21/22 11:10	02/21/22 13:27
890-1994-24	TP8S-10	Solid	02/21/22 11:15	02/21/22 13:27
890-1994-25	TP8W-2	Solid	02/21/22 11:20	02/21/22 13:27
890-1994-26	TP8W-4	Solid	02/21/22 11:25	02/21/22 13:27
890-1994-27	TP8W-6	Solid	02/21/22 11:30	02/21/22 13:27
890-1994-28	TP8W-8	Solid	02/21/22 11:35	02/21/22 13:27
890-1994-29	TP8E-2	Solid	02/21/22 11:40	02/21/22 13:27
890-1994-30	TP8E-4	Solid	02/21/22 11:45	02/21/22 13:27
890-1994-31	TP8E-6	Solid	02/21/22 11:50	02/21/22 13:27
890-1994-32	TP8E-8	Solid	02/21/22 11:55	02/21/22 13:27
890-1994-33	TP8N-2	Solid	02/21/22 12:00	02/21/22 13:27
890-1994-34	TP8N-4	Solid	02/21/22 12:05	02/21/22 13:27
890-1994-35	TP8N-6	Solid	02/21/22 12:10	02/21/22 13:27
890-1994-36	TP8N-8	Solid	02/21/22 12:15	02/21/22 13:27



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# CHAIN OF CUSTODY

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Xenco Job #

Tampa, Florida (813-620-2000)

*10624*

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes	
Company Name / Branch: GHDMidland Company Address: 2135 S. Loop 250 West Midland TX		Project Name/Number: Yates Wayfarer A1V #1 / 11224668 Project Location: Eddy County, New Mexico		Invoice To: EOG / James Kennedy		S = Soil/Sed/Solid GW = Ground Water DW = Drinking Water P = Product SW = Surface Water SL = Sludge OW = Ocean/Sea Water W = Wipe O = Oil WW = Waste Water A = Air	
Email: becky.haskell@ghd.com Matthew.Lamplin@ghd.com James.Kennedy@eogresources.com Project Contact: Becky Haskell / Glenn Quinney		Phone No: (432)250-7917 Zach.comino@ghd.com tom.larson@ghd.com		PO Number: NA			
Sampler's Name: Zach Comino							
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	CI
1	TP7E-2		02/24/2005	0700	S	1	
2	TP7E-4						
3	TP7E-6						
4	TP7E-8						
5	TP7E-10						
6	TP7U-2						
7	TP7U-4						
8	TP7U-6						
9	TP7U-8						
10	TP7U-10						
Turnaround Time (Business days)							
Data Deliverable Information							
<input type="checkbox"/> Same Day TAT <input type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 3 Day EMERGENCY		<input checked="" type="checkbox"/> 5 Day TAT <input type="checkbox"/> 7 Day TAT <input type="checkbox"/> Contract TAT		<input type="checkbox"/> Level II Std QC <input type="checkbox"/> Level III Std QC+ Forms <input type="checkbox"/> Level 3 (CLP Forms) <input type="checkbox"/> TRRP Checklist		<input type="checkbox"/> Level IV (Full Data Pkg /raw data) <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> UST / RG -411	
TAT Starts Day received by Lab, if received by 5:00 pm							
Report MDLs and J values.							
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY							
Relinquished by Sampler: <i>[Signature]</i>		Date Time: 02/24/2005		Relinquished By: <i>[Signature]</i>		Date Time: 02/24/2005	
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 Lakeland, Florida (863-646-5525)  
 Tampa, Florida (813-620-2000)

214

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes		
Company Name / Branch: GHD/Midland		Project Name/Number: Yates Wayfarer Aly #1 / 11224668		TPH By 8015 Mod (GRO, DRO & MRO)		S = Soil/Sed/Solid GW = Ground Water DW = Drinking Water P = Product SW = Surface water SL = Sludge OW = Ocean/Sea Water W = Wipe O = Oil WW = Waste Water A = Air		
Company Address: 2135 S. Loop 250 West Midland TX		Project Location: Eddy County, New Mexico		BTEX 8021 B				
Email: jbecky.haskell@ghd.com Matthew.laughlin@ghd.com James.Kennedy@ecoresources.com Project Contact: Becky Haskell / Glenn Quinney		Invoice To: EOG / James Kennedy		Chloride 600				
Phone No: (432)250-7917 Zach.comino@ghd.com tom.larson@ghd.com		PO Number: NA						
Sampler's Name: Zach Comino								
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	Number of preserved bottles	Field Comments
1	TP7A-2		02/22	0955	S	1	X	
2	TP7A-4						X	
3	TP7A-6						X	
4	TP7A-8						X	
5	TP7A-10						X	
6	TP7S-2						X	
7	TP7S-4						X	
8	TP7S-6						X	
9	TP7S-8						X	
10	TP7S-10						X	
Turnaround Time (Business days)		Data Deliverable Information						
<input type="checkbox"/> Same Day TAT		<input checked="" type="checkbox"/> 5 Day TAT		<input type="checkbox"/> Level II Std QC		<input type="checkbox"/> Level IV (Full Data Pkg /raw data)		
<input type="checkbox"/> Next Day EMERGENCY		<input type="checkbox"/> 7 Day TAT		<input type="checkbox"/> Level III Std QC+ Forms		<input type="checkbox"/> TRRP Level IV		
<input type="checkbox"/> 2 Day EMERGENCY		<input type="checkbox"/> Contract TAT		<input type="checkbox"/> Level 3 (CLP Forms)		<input type="checkbox"/> UST / RG-411		
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist				
TAT Starts Day received by Lab, if received by 5:00 pm		Report MDLs and J values.						
Relinquished by Sampler: <i>Zach Comino</i>		Date Time: 02/22/13		Received By: <i>Jim Wip</i>		Date Time: 2.21.12		
Relinquished by: <i>Zach Comino</i>		Date Time: 02/22/13		Received By: <i>Jim Wip</i>		Date Time: 2.21.12		
Relinquished by:		Date Time:		Received By:		Date Time:		
Custody Seal #		Preserved where applicable		On Ice		Cooler Temp.		Thermo, Corr. Factor



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 Norcross, Georgia (770-449-8800)  
 Lakeland, Florida (863-646-8528)  
 Tampa, Florida (813-620-2000)

314

<b>Client / Reporting Information</b> Company Name / Branch: GHD/Midland Company Address: 2135 S. Loop 250 West Midland TX		<b>Project Information</b> Project Name/Number: Yates Wayfarer A1V #1 / 11224688 Project Location: Eddy County, New Mexico Invoice To: EOG / James Kennedy PO Number: NA																																																																																																																																																																																										
Email: becky.haskell@ghd.com Matthew.launlin@ghd.com James.Kennedy@ecresources.com Project Contact: Becky Haskell / Glenn Quimney		Phone No: (432)250-7917 Zach.comino@ghd.com tom.larson@ghd.com																																																																																																																																																																																										
Sampler's Name: Zach Comino		Matrix Codes: S = Soil/Sed/Solid GW = Ground Water DW = Drinking Water P = Product SW = Surface Water SL = Sludge OW = Ocean/Sea Water W = Wipe O = Oil WW = Waste Water A = Air																																																																																																																																																																																										
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Custody Seal # _____ Preserved where applicable _____ On Ice _____ Cooler Temp _____ Thermo Corr. Factor _____																																																																																																																																																																																												



Setting the Standard since 1990  
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# CHAIN OF CUSTODY

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Odessa, Texas (432-563-1800)  
 Norcross, Georgia (770-449-8900)  
 Lakeland, Florida (863-646-5525)  
 Tampa, Florida (813-620-2000)

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Xenco Quote #

Xenco Job #

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes	
Company Name / Branch: GHD/Midland		Project Name/Number: Yates Wayfarer A1V #1 / 11224668					
Company Address: 2135 S. Loop 250 West Midland TX		Project Location: Eddy County, New Mexico					
Email: becky.haskell@ghd.com Matthew.laughlin@ghd.com Glenn.Kennedy@ecogresources.com tom.larson@ghd.com		Invoice To: EOG / James Kennedy					
Phone No: (432)250-7917 Zach.comino@ghd.com		PO Number: NA					
Project Contact: Becky Haskell / Glenn Quinney							
Sampler's Name: Zach Comino							
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	Number of preserved bottles
1	TPBE-6		02/22/13	1150	S	1	TPH By 8015 Mod (GRO, DRO & MRO)
2	TPBE-8			1155			BTEX 8021 B
3	TPBN-2			1200			Chloride 600
4	TPBN-4			1205			
5	TPBN-6			1210			
6	TPBN-8			1215			
7							
8							
9							
10							
Turnaround Time (Business days)				Data Deliverable Information			
<input type="checkbox"/> Same Day TAT		<input checked="" type="checkbox"/> 5 Day TAT		<input type="checkbox"/> Level II Std QC		<input type="checkbox"/> Level IV (Full Data Pkg /raw data)	
<input type="checkbox"/> Next Day EMERGENCY		<input type="checkbox"/> 7 Day TAT		<input type="checkbox"/> Level III Std QC+ Forms		<input type="checkbox"/> TRRP Level IV	
<input type="checkbox"/> 2 Day EMERGENCY		<input type="checkbox"/> Contract TAT		<input type="checkbox"/> Level 3 (CLP Forms)		<input type="checkbox"/> UST / RG-411	
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist			
TAT Starts Day received by Lab, if received by 5:00 pm				Report MDLs and J values.			
Relinquished by Sampler: 1 Zach Comino				SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY			
Date Time: 02/22/13		Received By: 1 Zach Comino		Date Time: 02/21/13		Received By: 2 Zach Comino	
Date Time: 02/22/13		Received By: 3 Zach Comino		Date Time: 02/21/13		Received By: 4 Zach Comino	
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Date Time: 02/22/13		Received By: 99 Zach Comino		Date Time: 02/21/13		Received By: 100 Zach Comino	

Field Comments

S = Soil/Sediment  
 GW = Ground Water  
 DW = Drinking Water  
 P = Product  
 SW = Surface water  
 SL = Sludge  
 OW = Ocean/Sea Water  
 W = Waste  
 O = Oil  
 WW = Waste Water  
 A = Air

### Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1994-1

SDG Number: 11224668

**Login Number: 1994**  
**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	

- 1
- 2
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- 13
- 14

### Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1994-1

SDG Number: 11224668

**Login Number: 1994**

**List Number: 2**

**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**

**List Creation: 02/22/22 02:59 PM**

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

- 1
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

August 11, 2023

NATE REECE

GHD

11451 KATY FWY #400

HOUSTON, TX 77079

RE: YATES WAYFARER "AIY" #1

Enclosed are the results of analyses for samples received by the laboratory on 08/10/23 13:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

GHD  
 NATE REECE  
 11451 KATY FWY #400  
 HOUSTON TX, 77079  
 Fax To:

Received:	08/10/2023	Sampling Date:	08/10/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	YATES WAYFARER "AIY" #1	Sampling Condition:	Cool & Intact
Project Number:	12618105	Sample Received By:	Tamara Oldaker
Project Location:	EOG - CARLSBAD, NM		

**Sample ID: TP 7 BH 1 (H234301-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.02	101	2.00	0.564	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	0.617	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	98.2	2.00	0.768	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.88	98.0	6.00	0.558	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/11/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	165	82.4	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	174	87.2	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

GHD  
 NATE REECE  
 11451 KATY FWY #400  
 HOUSTON TX, 77079  
 Fax To:

Received:	08/10/2023	Sampling Date:	08/10/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	YATES WAYFARER "AIY" #1	Sampling Condition:	Cool & Intact
Project Number:	12618105	Sample Received By:	Tamara Oldaker
Project Location:	EOG - CARLSBAD, NM		

**Sample ID: TP 7 SW 1 (H234301-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.02	101	2.00	0.564	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	0.617	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	98.2	2.00	0.768	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.88	98.0	6.00	0.558	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/11/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	165	82.4	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	174	87.2	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

GHD  
 NATE REECE  
 11451 KATY FWY #400  
 HOUSTON TX, 77079  
 Fax To:

Received:	08/10/2023	Sampling Date:	08/10/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	YATES WAYFARER "AIY" #1	Sampling Condition:	Cool & Intact
Project Number:	12618105	Sample Received By:	Tamara Oldaker
Project Location:	EOG - CARLSBAD, NM		

**Sample ID: TP 7 SW 2 (H234301-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.02	101	2.00	0.564	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	0.617	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	98.2	2.00	0.768	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.88	98.0	6.00	0.558	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/11/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	165	82.4	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	174	87.2	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 62.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

GHD  
 NATE REECE  
 11451 KATY FWY #400  
 HOUSTON TX, 77079  
 Fax To:

Received:	08/10/2023	Sampling Date:	08/10/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	YATES WAYFARER "AIY" #1	Sampling Condition:	Cool & Intact
Project Number:	12618105	Sample Received By:	Tamara Oldaker
Project Location:	EOG - CARLSBAD, NM		

**Sample ID: TP 7 SP 1 (H234301-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.02	101	2.00	0.564	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	0.617	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	98.2	2.00	0.768	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.88	98.0	6.00	0.558	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/11/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	165	82.4	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	174	87.2	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 68.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

GHD  
 NATE REECE  
 11451 KATY FWY #400  
 HOUSTON TX, 77079  
 Fax To:

Received:	08/10/2023	Sampling Date:	08/10/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	YATES WAYFARER "AIY" #1	Sampling Condition:	Cool & Intact
Project Number:	12618105	Sample Received By:	Tamara Oldaker
Project Location:	EOG - CARLSBAD, NM		

**Sample ID: TP 8 BH 1 (H234301-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.02	101	2.00	0.564	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	0.617	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	98.2	2.00	0.768	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.88	98.0	6.00	0.558	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/11/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	165	82.4	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	174	87.2	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

GHD  
 NATE REECE  
 11451 KATY FWY #400  
 HOUSTON TX, 77079  
 Fax To:

Received:	08/10/2023	Sampling Date:	08/10/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	YATES WAYFARER "AIY" #1	Sampling Condition:	Cool & Intact
Project Number:	12618105	Sample Received By:	Tamara Oldaker
Project Location:	EOG - CARLSBAD, NM		

**Sample ID: TP 8 SW 1 (H234301-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.02	101	2.00	0.564	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	0.617	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	98.2	2.00	0.768	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.88	98.0	6.00	0.558	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/11/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	165	82.4	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	174	87.2	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 64.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

GHD  
 NATE REECE  
 11451 KATY FWY #400  
 HOUSTON TX, 77079  
 Fax To:

Received:	08/10/2023	Sampling Date:	08/10/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	YATES WAYFARER "AIY" #1	Sampling Condition:	Cool & Intact
Project Number:	12618105	Sample Received By:	Tamara Oldaker
Project Location:	EOG - CARLSBAD, NM		

**Sample ID: TP 8 SW 2 (H234301-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.02	101	2.00	0.564	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	0.617	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	98.2	2.00	0.768	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.88	98.0	6.00	0.558	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/11/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	165	82.4	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	174	87.2	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 66.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

GHD  
 NATE REECE  
 11451 KATY FWY #400  
 HOUSTON TX, 77079  
 Fax To:

Received:	08/10/2023	Sampling Date:	08/10/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	YATES WAYFARER "AIY" #1	Sampling Condition:	Cool & Intact
Project Number:	12618105	Sample Received By:	Tamara Oldaker
Project Location:	EOG - CARLSBAD, NM		

**Sample ID: TP 8 SP 1 (H234301-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.02	101	2.00	0.564	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	0.617	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	98.2	2.00	0.768	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.88	98.0	6.00	0.558	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/11/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	165	82.4	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	174	87.2	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

GHD  
 NATE REECE  
 11451 KATY FWY #400  
 HOUSTON TX, 77079  
 Fax To:

Received:	08/10/2023	Sampling Date:	08/10/2023
Reported:	08/11/2023	Sampling Type:	Soil
Project Name:	YATES WAYFARER "AIY" #1	Sampling Condition:	Cool & Intact
Project Number:	12618105	Sample Received By:	Tamara Oldaker
Project Location:	EOG - CARLSBAD, NM		

**Sample ID: TP 8 SP 2 (H234301-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.02	101	2.00	0.564	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	0.617	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	98.2	2.00	0.768	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.88	98.0	6.00	0.558	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/11/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	165	82.4	200	2.11	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	174	87.2	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane 59.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.9 % 49.1-148

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**Notes and Definitions**

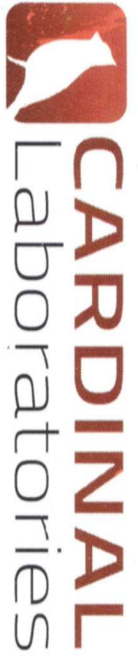
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported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

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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

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

Company Name: GHD		<b>BILL TO</b>		P.O. #:		<b>ANALYSIS REQUEST</b>											
Project Manager: Nate Reece / JT Murrey		Company: EOG Midland		Attn: James Kennedy													
Address: 11451 Katy Fwy #400		Address: 5509 Champions Dr		City: Midland													
City: Houston		State: TX		Zip: 79706													
Phone #: 281-286-7158		Fax #:		City: Midland													
Project #: 12618105		Project Owner: EOG Midland		State: TX		Zip: 79706											
Project Name: Yates Wayfarer "AIY" #1		Phone #:		Fax #:													
Project Location: Carlsbad, NM		Matrix:		Preserv:		Sampling:											
Sampler Name: Liam Giersdorf		FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX Method 8021B	TPH/DRO/RO Method 8015	Chloride Method 300/4500
H234361	TP9BH1		1			X					X		0810	1130	X		
	TP9SW1		1											1135			
	TP9SW2		1											1140			
	TP9SP1		1											1145			
	TP8BH1		1											1100			
	TP8SW1		1											1105			
	TP8SW2		1											1110			
	TP8SP1		1											1115			
	TP8SP2		1											1120			

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Relinquished By: *[Signature]* Date: 0810  
 Received By: *[Signature]* Date: 1330  
 Time: 1330

Delivered By: (Circle One)  UPS  Bus  Other: *24c*  
 Sample Condition:  Sample Intact  Cool  Yes  No  Yes  No

Checked By: *[Signature]* (Initials) *[Signature]*

REMARKS: Please email results to: nate.reece@ghd.com; jt.murrey@ghd.com; liam.giersdorf@ghd.com; james.kennedy@eoresources.com

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_

*Zyhr Rush*

# Attachment C Photographic Log



View of TP7 excavation facing south.



View of TP8 excavation facing south.

## Site Photograph

**EOG Yates Wayfarer AIY State #001 Release Site.**





View of TP7 stockpiled soil.



View of TP8 stockpiled soil.

## Site Photograph

**EOG Yates Wayfarer AIY State #001 Release Site.**



# Appendix D Sampling Notifications

**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Nate Reece](#)  
**Cc:** [Bratcher, Michael, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Sampling Notification - 12618105  
**Date:** Tuesday, August 8, 2023 1:57:07 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[image005.png](#)

---

You don't often get email from [shelly.wells@emnrd.nm.gov](mailto:shelly.wells@emnrd.nm.gov). [Learn why this is important](#)

Hi Nate,

The OCD has received your notification. 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.

Thank you,

Shelly

[Shelly Wells](#) \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Nate Reece <[Nate.Reece@ghd.com](mailto:Nate.Reece@ghd.com)>  
**Sent:** Tuesday, August 8, 2023 10:09 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Liam Giersdorf <[Liam.Giersdorf@ghd.com](mailto:Liam.Giersdorf@ghd.com)>  
**Subject:** [EXTERNAL] Sampling Notification - 12618105

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

To Whom it May Concern,

GHD on behalf of EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location:

Yates Wayfarer "AIY" #1  
2RP-54  
P-25-19S-29E  
Eddy County, NM

Sampling will begin at 11:00 a.m. on Thursday, August 10, 2023.

Thank you,

**Nate Reece**  
Environmental Scientist

**GHD**  
Proudly employee-owned | [ghd.com](http://ghd.com)  
11451 Katy Fwy #400, Houston, TX 77079 United States  
M +1 281 386 7158 | E [nate.reece@ghd.com](mailto:nate.reece@ghd.com)

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

QUESTIONS

Action 562221

**QUESTIONS**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 562221
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nMLB0500436368
Incident Name	NMLB0500436368 YATES WAYFARER AIY STATE #001 @ 30-015-26647
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-26647] WAYFARER AIY STATE #001

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	YATES WAYFARER AIY STATE #001
Date Release Discovered	12/17/2004
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Other   Dump Line   B.S. & W.   Released: 10 BBL   Recovered: 0 BBL   Lost: 10 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 562221

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 562221
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**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	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_green@eogresources.com Date: 03/12/2026
--	--

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QUESTIONS, Page 3

Action 562221

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 562221
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 100 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 100 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 100 and 200 (ft.)
Any other fresh water well or spring	Between 100 and 200 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 100 (ft.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 100 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	84.4
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	894
GRO+DRO (EPA SW-846 Method 8015M)	894
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	12/17/2004
On what date will (or did) the final sampling or liner inspection occur	08/10/2023
On what date will (or was) the remediation complete(d)	08/10/2023
What is the estimated surface area (in square feet) that will be reclaimed	140
What is the estimated volume (in cubic yards) that will be reclaimed	41
What is the estimated surface area (in square feet) that will be remediated	140
What is the estimated volume (in cubic yards) that will be remediated	41

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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QUESTIONS, Page 4

Action 562221

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 562221
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	Backfilled with stockpiled soil on-site

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_green@eogresources.com Date: 03/12/2026
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 562221

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 562221
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 562221

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 562221
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>562248</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>08/10/2023</b>
What was the (estimated) number of samples that were to be gathered	<b>10</b>
What was the sampling surface area in square feet	<b>140</b>

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	140
What was the total volume (cubic yards) remediated	41
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	140
What was the total volume (in cubic yards) reclaimed	41
Summarize any additional remediation activities not included by answers (above)	TPH impacted soil excavated and stockpiled on-site. Composite sampling was completed of the excavation and stockpiles, confirming absence of impacted soil. Excavation was backfilled with stockpiled soil.

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_green@eogresources.com Date: 03/12/2026
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Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 7

Action 562221

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 562221
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 562221

**CONDITIONS**

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 562221
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**CONDITIONS**

Created By	Condition	Condition Date
nvez	None	4/8/2026