

Naval Facilities Engineering Systems Command Hawaii

Quarterly Release Response Report,
Red Hill Bulk Fuel Storage Facility
JBPHH, O‘ahu, Hawai‘i

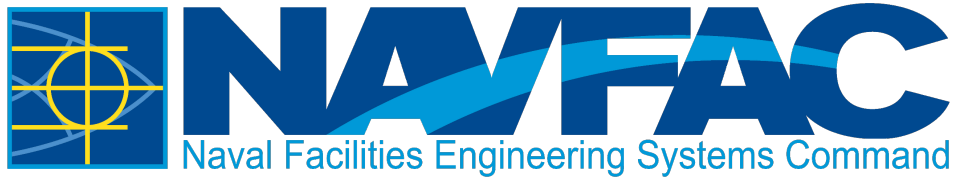
DOH Facility ID No. 9-102271

DOH UST Release ID Nos. 140010, 210012

DOH HEER Release Incident Case Nos. 20210507-0852,
20211120-2330

June 20, 2023

This page intentionally left blank



Naval Facilities Engineering Systems Command Hawaii

**Quarterly Release Response Report,
Red Hill Bulk Fuel Storage Facility
JBPHH, O‘ahu, Hawai‘i**

DOH Facility ID No. 9-102271

DOH UST Release ID Nos. 140010, 210012

DOH HEER Release Incident Case Nos. 20210507-0852,
20211120-2330

June 20, 2023

Prepared for NAVFAC Hawaii by

AECOM Technical Services Inc
1001 Bishop Street Suite 1600
Honolulu HI 96813-3698

N62742-17-D-1800
CTO N6274218F0126

This page intentionally left blank

Executive Summary

This Quarterly Release Response Report (RRR) was prepared for Naval Facilities Engineering Systems Command, Hawaii by AECOM Technical Services, Inc. for the Red Hill Bulk Fuel Storage Facility in accordance with the State of Hawai'i Department of Health (DOH) *Technical Guidance Manual for the Implementation of the Hawaii State Contingency Plan* (DOH 2021c). This report presents release response actions taken pursuant to Hawai'i Administrative Rules Section 11-280.1 during this reporting period (February 4 to April 17, 2023) and a plan for future release response actions to be taken.

This report combines release response reporting for three releases of fuel from the Red Hill Bulk Fuel Storage Facility:

- **January 2014 Release:** On January 23, 2014, the Navy reported to DOH a release of an estimated 27,000 gallons of JP-8 from one of the Facility's underground fuel storage tanks (Tank 5). The release occurred when placing the tank back in service following a 3-year tank inspection and refurbishment process completed in December 2013.
- **May 2021 Release:** On May 6, 2021, a Jet Propellant 5 pipeline near Red Hill Tanks 18 and 20 was damaged during a fuel transfer procedure, fuel was released to the tunnel floor, and attempts were made to recover the fuel. It was later determined that some of the fuel entered soil vapor monitoring boreholes, which are in contact with the surrounding basalt, and some of the fuel was pumped from a fire suppression retention system into a fire suppression recovery drain line. The fuel remained contained in the drain line until it was damaged on November 20, 2021.
- **November 2021 Release:** On November 20, 2021, fuel was released from the fire suppression recovery drain line in the Adit 3 Tunnel, traveled on the concrete tunnel floor toward the adit portal, and collected in a sump (Adit 3 Sump) near the entranceway. A portion of the fuel was recovered from the sump, but the remainder entered the soil (or volcanic bedrock) near United States Department of the Navy Well 2254-01 (Red Hill Shaft), from which some of the fuel entered the Joint Base Pearl Harbor-Hickam (JBPHH) Water Distribution System. Red Hill Shaft ceased pumping and was isolated from the JBPHH Water Distribution System on November 28, 2021. Initial site characterization of the release areas has been completed, and additional characterization, monitoring, and remediation efforts continue.

Site characterization, removal, and remedial efforts conducted during this reporting period include:

- Continued soil vapor monitoring in the tank farm and Adit 3 and Pearl Harbor Tunnels
- Continued monitoring well free product gauging, groundwater monitoring well headspace measurements, and analysis of purge water natural chemistry parameters
- Continued groundwater sampling and analysis and expansion of the groundwater monitoring network

- Continued operation of the granular activated carbon (GAC) pump and treat system at Red Hill Shaft
- Adit 3 and Pearl Harbor Tunnel site characterization activities
- Installation of additional delineation and sentinel wells
- Collection, Holding, and Transfer (CHT) Tank site characterization planning activities
- Remediation pilot test planning activities

Results from this reporting period indicated the following:

- Soil vapor impacts associated with the January 2014, May 2021, and November 2021 Releases are decreasing over time, consistent with natural attenuation of light nonaqueous-phase liquid (LNAPL) in the environment.
- Groundwater concentrations for all contaminants appear to be declining or stable over time. All data collected to date demonstrate that groundwater impacts are undergoing natural attenuation, including biodegradation.

In addition to the site characterization activities described in this report, the Navy has conducted fuel recovery efforts since December 2021, including use of absorbent materials, skimmers, direct recovery from piping, soil excavation, and operation of the GAC treatment system.

Planned Future Actions

Planned future actions include:

- Continued soil vapor monitoring at sampling locations within the tank farm and Adit 3 and Pearl Harbor Tunnels near Red Hill Shaft
- Continued groundwater sampling from the Red Hill monitoring well network
- Installation of new delineation and sentinel wells
- Continued operation of the GAC pump and treat system at Red Hill Shaft
- Continued site characterization activities (Adit 3 and Pearl Harbor Tunnels and CHT Tank)
- Conducting a remediation pilot test in Adit 3
- Additional removal or remedial actions, as appropriate

The Navy is continuing to expand the groundwater monitoring well network as part of plume delineation efforts and to monitor groundwater quality between Red Hill and offsite water supply wells at new sentinel well locations.

Activities and sampling of the JBPHH Water Distribution System (regulated by the DOH Safe Drinking Water Branch) and the November 29, 2022 aqueous film-forming foam release outside Adit 6 (being investigated separately) are not addressed in this Quarterly RRR.

Table of Contents

Executive Summary	iii
Table of Contents	v
Acronyms and Abbreviations	ix
1.0 Introduction and Purpose	1
1.1 Statement of Purpose	2
1.2 Previous Reports	3
2.0 Background	5
2.1 Site Description	7
2.1.1 Climate	8
2.1.2 Soils and Geology	8
2.1.3 Surface Water	9
2.1.4 Groundwater	9
2.2 Historical Land Use	10
2.3 Current Land Use	10
2.4 Conceptual Site Model	11
2.4.1 Facility Construction and Operations	11
2.4.2 Subsurface Conditions	11
2.4.3 Exposure Model	12
2.5 Previous Facility Investigations	12
3.0 Summary of Investigation History	14
3.1 AOC Release Response Activities	15
3.2 NOI Release Response Activities	15
3.3 Site Characterization at Adit 3	19
3.4 Site Characterization at Holding Tank and Leach Tank Area	19
3.5 Planning for Site Characterization at the Collection, Holding, and Transfer Tank	20
3.6 Inspection of Water Development Tunnel	20
3.7 Single-Event Groundwater Sampling at DH-43 and BWS2253J1 Well	20
3.8 Remediation Pilot Test Planning	20
4.0 Site Investigation Objectives	27
4.1 Soil Vapor	27
4.2 Free-Product Gauging and Headspace Measurements	27
4.3 Groundwater	28
4.4 Data Usability	28
5.0 Field Activities	30
5.1 Soil Vapor Monitoring	30
5.1.1 Below-Tank SVMPs	30
5.1.2 Adit 3 and Pearl Harbor Tunnel SVMPs	30
5.2 Free Product Gauging and Groundwater Monitoring Well Headspace Measurements	33
5.3 Groundwater and Adit 3 Sump Water Sampling	33
5.3.1 NOI Groundwater Sampling	34

5.3.2	Delineation Well Groundwater Sampling.....	35
5.3.3	Sentinel Well Groundwater Sampling	35
5.3.4	Adit 3 Sump Water Sampling.....	35
6.0	Sample Control Procedures.....	35
6.1	Sample Containers and Preservation.....	35
6.2	Chain of Custody.....	37
6.3	Laboratory Analytical Methods and Analyses.....	37
6.3.1	Soil Vapor Analyses	38
6.3.2	NOI Well Groundwater Analyses.....	38
6.3.3	Delineation Well Groundwater Analyses.....	39
6.3.4	Sentinel Well Groundwater Analyses.....	39
6.3.5	Adit 3 Sump Water Analyses	39
7.0	Field Observations During Sampling	39
7.1	Soil Vapor Monitoring Observations	40
7.2	Free Product Gauging and Groundwater Monitoring Well Headspace Observations	40
7.3	Groundwater Sampling Observations	40
8.0	Data Quality	41
8.1	Laboratory Quality Control	41
8.1.1	Soil Vapor Samples	41
8.1.2	Groundwater Samples.....	41
8.2	Field Quality Control.....	41
8.2.1	Soil Vapor Samples	41
8.2.2	Groundwater Samples.....	41
8.3	Data Quality Assessment.....	42
8.3.1	Precision.....	43
8.3.2	Accuracy.....	44
8.3.3	Representativeness.....	46
8.3.4	Completeness.....	50
8.3.5	Comparability	50
8.3.6	Sensitivity.....	51
8.4	Conclusions.....	51
9.0	Analytical Results.....	51
9.1	Soil Vapor Analytical Results.....	51
9.1.1	Below-Tank Sampling Locations	51
9.1.2	Adit 3 Tunnel Sampling Locations.....	52
9.2	Free Product Gauging and Headspace Measurements at Groundwater Monitoring Wells	53
9.3	Groundwater and Adit 3 Sump Water Analytical Results.....	54
9.3.1	NOI Groundwater Analytical Results.....	54
9.3.2	Delineation Well Groundwater Analytical Results	65
9.3.3	Sentinel Well Groundwater Analytical Results.....	67
9.3.4	Adit 3 Sump Water Analytical Results.....	67
10.0	Summary of Results and Extent and Magnitude of Contamination.....	74

10.1	Soil Vapor Impacts	74
10.1.1	Below-Tank Soil Vapor Monitoring Points.....	74
10.1.2	Adit 3 Tunnel Soil Vapor Monitoring Locations.....	76
10.2	Groundwater Impacts	78
10.2.1	TPH-g.....	78
10.2.2	TPH-d.....	80
10.2.3	TPH-o.....	80
10.2.4	Lead Scavengers and Total Lead.....	81
10.2.5	Full Suite VOCs Including BTEX.....	81
10.2.6	Full Suite SVOCs.....	82
10.2.7	PAHs.....	82
10.2.8	Natural Attenuation Parameters.....	83
10.2.9	Adit 3 Sump Water	84
11.0	Conclusions and Recommendations	84
11.1	Conclusions	84
11.2	Recommendations and Planned Future Actions.....	85
12.0	References.....	86

Appendices

A – Soil Vapor Results

- A.1 – AOC Soil Vapor Measurements Collected Below Tanks, January 2014 through March 2023
- A.2 – NOI Soil Vapor PID Concentrations
- A.3 – NOI Soil Vapor Chromatograms

B – Groundwater Results

- B.1 – Summary of Analytical Program for Groundwater Samples Collected Between November 9, 2022 and March 10, 2023
- B.2 – Summary of Free Product Gauging and Monitoring Well Headspace Measurements
 - B.2.1 – AOC Oil/Water Interface Measurements, January 2014 through April 2023
 - B.2.2 – Summary of NOI Free Product Gauging and Monitoring Well Headspace Measurements for the May 2021 Release from May 12 through November 24, 2021
 - B.2.3 – Summary of NOI and Delineation Well Free Product Gauging and Monitoring Well Headspace Measurements from November 28, 2021 through April 17, 2023
- B.3 – Groundwater Parameters from May 10, 2021 through April 17, 2023
- B.4 – Summary of Groundwater Analytical Results through April 17, 2023
 - Data Legend for B.4.1–B.4.4
 - B.4.1 – GW Analytical Table_TPH and Fuel-Related Compounds
 - B.4.2 – GW Analytical Table_BTEX_VOCS
 - B.4.3 – GW Analytical Table_SVOCs

- B.4.4 – GW Analytical Table_PAH_SIMs
- B.4.5 – TPH Charts
- B.4.6 – Delineation Well Analytical Results
- B.4.7 – Sentinel Well Analytical Results
- B.5 – Groundwater Monitoring Chromatograms through April 17, 2023
- B.6 – NOI Groundwater Sampling Plan
- C – Index of Soil Vapor Analytical Data
- D – Index of Groundwater Analytical Data
- E – EDMS Navigation

Figures

- 1 Location of Releases and Groundwater Monitoring Wells.....6
- 2 Adit 3 and Pearl Harbor Tunnel Layout Map7
- 3 Site Location Map.....8
- 4 Soil Vapor Monitoring Network Below the Red Hill Fuel Storage Tanks.....16
- 5 Delineation Wells.....18
- 6 Shallow Trench Sampling Locations, Adit 3 Site Characterization21
- 7 LNAPL Step-out Boring, Temporary Well, and Deep Nested SVMP Sampling Locations, Adit 3 Site Characterization23
- 8 Holding Tank and Leach Tank Sampling Location Map.....25
- 9 Adit 3 and Pearl Harbor Tunnel Subslab and Shallow SVMP Results, December 17, 2021 – April 10, 202331
- 10 NOI TPH-d Groundwater Analytical Results Summary59
- 11 NOI TPH-o Groundwater Analytical Results Summary61
- 12 SVM PID Readings for Tanks 17, 18, and 2075
- 13 Correlation Between Total VOCs by TO-3 and Field PID Readings78

Tables

- 2-1 Summary of Previous Red Hill Environmental Investigations.....12
- 4-1 Target Analytes for Middle-Distillate Contaminated Media29
- 4-2 DOH Environmental Action Levels.....29
- 6-1 Sample Containers, Preservatives, and Holding Times36
- 8-1 Measurement Performance Criteria – Field QC Samples.....42
- 8-2 Comparison of TPH-d and TPH-o Results at RHMW2254-01 – Bailer vs. Low-Flow Pump SOPs47
- 9-1 Summary of Soil Vapor VOC Results for Adit 3 Tunnel Sample Locations53
- 9-2 Summary of Groundwater Analytical Results for NOI Wells55
- 9-3 Summary of Delineation Well Analytical Results for Current Reporting Period (2/4/2023 to 4/17/2023)66
- 9-4 Summary of Sentinel Well Analytical Results for Current Reporting Period (2/4/2023 to 4/17/2023)68
- 9-5 Summary of Adit 3 Sump Analytical Results for Current Reporting Period69
- 10-1 Summary of Current Groundwater Result Exceedances79

Acronyms and Abbreviations

%	percent
%D	percent difference
%R	percent recovery
%RSD	percent relative standard deviation
°C	degree Celsius
µg/L	micrograms per liter
µg/m ³	micrograms per cubic meter
1MN	1-methylnaphthalene
2MN	2-methylnaphthalene
AOC	Administrative Order on Consent
AS	air sparging
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
BWS	Board of Water Supply, City and County of Honolulu
CaCO ₃	calcium carbonate
CAS	Chemical Abstracts Service
CCV	continuing calibration verification
CF&T	contaminant fate and transport
CHT	collection, holding, and transfer
COPC	chemical of potential concern
CSM	conceptual site model
DLA	Defense Logistics Agency
DoD	Department of Defense
DOH	Department of Health, State of Hawai‘i
DQI	data quality indicator
EAL	Environmental Action Level
EB	equipment blank
EDMS	Environmental Data Management System
EHE	Environmental Hazard Evaluation
Energy	Energy Laboratories, Inc.
EPA	Environmental Protection Agency, United States
Facility	Red Hill Bulk Fuel Storage Facility
FB	field blank
FID	flame ionization detector
ft	foot/feet
GAC	granular activated carbon
GPR	ground-penetrating radar
GW	groundwater
GWPP	Groundwater Protection Plan
H ₂ SO ₄	sulfuric acid
H ₃ PO ₄	phosphoric acid

HCl	hydrochloric acid
HDPE	high-density polyethylene
HEER	Hazard Evaluation and Emergency Response
HNO ₃	nitric acid
ICV	initial calibration verification
ID	identification
JBPHH	Joint Base Pearl Harbor-Hickam
JP	Jet Fuel Propellant
L	liter
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
LNAPL	light nonaqueous-phase liquid
LOD	limit of detection
LOQ	limit of quantitation
MEK	methyl ethyl ketone
mg/kg	milligrams per kilogram
mL	milliliter
MS	matrix spike
MSD	matrix spike duplicate
MTBE	methyl tert-butyl ether
msl	mean sea level
N	naphthalene
N/A	not applicable
NaHSO ₄	sodium hydrogen sulfate
NAVFAC	Naval Facilities Engineering Systems Command
Navy	Department of the Navy, United States
ND	not detected
no.	number
NOI	Notice of Interest
NSZD	natural source-zone depletion
OU	Operable Unit
oz.	ounce
PAH	polynuclear aromatic hydrocarbon
PID	photoionization detector
ppbv	parts per billion by volume
ppmv	parts per million by volume
PVC	polyvinyl chloride
QC	quality control
RI	remedial investigation
ROV	remotely operated vehicle
RPD	relative percent difference
RRF	relative response factor

RRR	release response report
SDG	sample delivery group
SGC	silica gel cleanup
SIM	selected ion monitoring
SOP	standard operating procedure
SVE	soil vapor extraction
SVMP	soil vapor monitoring point
SVOC	semivolatile organic compound
TGM	Technical Guidance Manual for the Implementation of the Hawaii State Contingency Plan
THM	trihalomethane
TMB	trimethylbenzene
TOC	total organic carbon
TPH	total petroleum hydrocarbons
TPH-d	total petroleum hydrocarbons – diesel range organics
TPH-g	total petroleum hydrocarbons – gasoline range organics
TPH-o	total petroleum hydrocarbons – residual oil range organics
U.S.	United States
UST	underground storage tank
VOA	volatile organic analysis
VOC	volatile organic compound
WP	work plan

This page intentionally left blank

1.0 Introduction and Purpose

On January 23, 2014, the Navy reported to the State of Hawai'i Department of Health (DOH) a release of an estimated 27,000 gallons of Jet Fuel Propellant (JP)-8 from one of the Red Hill Bulk Fuel Storage Facility's ("Facility") underground fuel storage tanks (Tank 5) (the "January 2014 Release"). The release occurred when placing the tank back in service following a 3-year inspection and refurbishment process completed in December 2013.

On May 6, 2021, a JP-5 pipeline near Red Hill Tanks 18 and 20 was damaged during a fuel transfer procedure. Fuel was released to the lower access tunnel floor, and fuel was recovered shortly after the event (the "May 2021 Release"). It was later determined that some of the fuel entered soil vapor monitoring boreholes, which are in contact with the surrounding basalt, and some of the fuel was pumped from the fire suppression retention system into the fire suppression recovery drain line. The fuel remained contained in the fire suppression recovery drain line until it was damaged on November 20, 2021.

On November 20, 2021, fuel in the fire suppression recovery drain line was released into the Adit 3 Tunnel (the "November 2021 Release"), traveled on the concrete tunnel floor toward the adit's portal, and collected in a sump (Adit 3 Sump) near the entranceway. A portion of the fuel was recovered from the sump, but the remainder of the fuel entered the soil (or volcanic bedrock) near United States (U.S.) Department of the Navy (Navy) Well 2254-01 (Red Hill Shaft), from which some of the fuel entered the Joint Base Pearl Harbor-Hickam (JBPHH) Water Distribution System or was pumped from the sump to a Holding Tank and Leach Tank outside Adit 3 where it was released to the subsurface. Red Hill Shaft ceased pumping on November 28, 2021 and was isolated from the JBPHH Water Distribution System. Response activities have been conducted at the site since the May 2021 Release and remain ongoing.

This Quarterly Release Response Report (RRR) presents a summary of the combined release response activities performed from February 4 to April 17, 2023 in response to the January 2014, May 2021, and November 2021 Releases at the Facility, located at JBPHH, O'ahu, Hawai'i. Specifically, as required by Hawai'i Administrative Rules Section 11-280.1-65.2, this Quarterly RRR describes:

- All response actions (investigation, removal, and remediation activities) taken during the current quarterly reporting period
- A plan for future release response actions to be taken

This report summarizes the following activities conducted during this reporting period:

- Continued soil vapor monitoring in the tank farm and Adit 3 and Pearl Harbor Tunnels
- Continued monitoring-well free product gauging, groundwater monitoring well headspace, and purge water natural chemistry parameters

- Continued groundwater sampling and analysis and expansion of the groundwater monitoring network
- Continued operation of the granular activated carbon (GAC) pump and treat system at Red Hill Shaft
- Adit 3 and Pearl Harbor Tunnel site characterization activities
- Collection, Holding, and Transfer Tank (CHT) site characterization investigation planning activities
- Remediation and treatability study pilot test planning activities

This report presents field observations and final analytical results available through the reporting period ending April 17, 2023, including:

- Results from soil vapor field measurements using photoionization detectors (PIDs)
- Results from a fixed-based laboratory for soil vapor passivated canister samples
- Results from monitoring well free product gauging and headspace measurements
- Laboratory results for groundwater samples

Separate reporting has been provided to the Regulatory Agencies for investigations conducted at the Adit 3 and Pearl Harbor Tunnel area and at the Holding Tank and Leach Tank area, as summarized in Section 3.0.

In addition to the activities described in this report, the Navy has conducted fuel recovery efforts since December 2021 and is continuing operation of the GAC pump and treat system at Red Hill Shaft, which began in January 2022. Fuel recovery efforts include the use of absorbent materials, skimmers, direct recovery from piping, and soil excavation. In addition, pumping of Red Hill Shaft continues to remove dissolved constituents in the vicinity of the Red Hill Shaft, as described in the *Red Hill Shaft Recovery and Monitoring Plan* (IDWST 2022).

Activities and sampling of the JBPHH Water Distribution System (regulated by the DOH Safe Drinking Water Branch) and the November 29, 2022 aqueous film-forming foam release outside Adit 6 (being investigated separately) are not addressed in this Quarterly RRR.

1.1 Statement of Purpose

Release response activities were performed to address the January 2014, May 2021, and November 2021 Releases. The DOH issued Notice of Interest (NOI) letters for the three events:

- January 2014 Release
 - Red Hill Tank Complex (Tank #5): Facility ID No. 9-102271 / DOH Release ID No. 140010, February 3, 2014
- May 2021 Release

- DOH Hazard Evaluation and Emergency Response (HEER) Release Incident Case Number (No.) 20210507-0852 on May 10, 2021 (DOH 2021a)
- DOH Underground Storage Tank (UST) Release Identification No. 210012 (DOH 2021b)
- November 2021 Release
 - DOH Hazard Evaluation and Emergency Response Release Incident Case No. 20211120-2330 on November 24, 2021 (DOH 2021d)

1.2 Previous Reports

The following documents were previously submitted to DOH:

- Release confirmation information for Tank 5; January 23, 2014
- Tank 5 Initial Release Response Report; April 24, 2014
- Tank 5 Quarterly Release Response Reports; July 22, 2014 – October 3, 2022
- Response to Notice of Interest in a Release or Threatened Release of Hazardous Substance; May 21, 2021
- Confirmed Release Notification Form, Pipeline Breach in Tunnel; June 21, 2021
- Initial Abatement Measures and Site Assessment Report; July 12, 2021
- Initial Site Characterization Report, Pipeline Breach in Tunnel; August 19, 2021
- Initial Release Response Report, Pipeline Breach in Tunnel; September 17, 2021
- Red Hill Bulk Fuel Storage Facility Request for Information – Addendum; October 1, 2021
- Confirmed Release Notification for Fire Suppression Drain Line; December 3, 2021
- Response to Notice of Interest in a Release or Threatened Release of Hazardous Substance; December 3, 2021 and January 7, 2022
- Initial Abatement Measures and Site Assessment Report; December 11, 2021
- Quarterly Release Response Report, Pipeline Breach in Tunnel; December 30, 2021
- Initial Site Characterization Report, Fire Suppression Drain Line; January 7, 2022
- Free Product Removal Report; January 7, 2022
- Preliminary Site Characterization Plan; January 12, 2022
- Technical Memorandum, Analysis of Samples from Sump (11/24/2021), Adit 3 (11/24/2021), and Red Hill Shaft Water Gallery (12/2/2021); January 13, 2022
- Technical Memorandum, Holding Tank and Leach Tank Site Characterization; January 29, 2022, revised February 23, 2022
- Initial Release Response Report, Fire Suppression Drain Line; February 24, 2022

- Red Hill Bulk Fuel Storage Facility Lower Access Tunnel Pilot Geophysical Investigation – Hawaii; April 2022
- Quarterly Release Response Report, May 6 and November 20, 2021 Releases; April 6, 2022
- Quarterly Release Response Report, May 6 and November 20, 2021 Releases; July 7, 2022
- Precipitation Monitoring Memorandum for Sub-Slab Soil Vapor Monitoring Points, Adit 3; July 2022
- Site Characterization Plan Adit 3 LNAPL Step-Out Addendum November 2021 Release; July 2022
- Findings from ROV Inspection #2 Video Review of Red Hill Water Development Tunnel; August 5, 2022
- Quarterly Release Response Report, May 6 and November 20, 2021 Releases; October 3, 2022
- Site Characterization Plan Addendum – Collection, Hold, and Transfer Tank Overflow Site Characterization, November 2021 Release; November 2022
- Quarterly Release Response Report, Red Hill Bulk Fuel Storage Facility; December 21, 2022
- Technical Memorandum, Holding Tank and Leach Tank Characterization, November 2021 Pipeline Release; November 2022
- Draft Shallow Soil Vapor Extraction and Air Sparging Work Plan; January 9, 2023
- Draft Natural Source-Zone Depletion Work Plan; February 23, 2023
- Technical Memorandum: In-Progress Data Report, Adit 3 Site Characterization; February 23, 2023
- Draft Closure Report, Concrete Tank Removal; February 24, 2023
- Draft Deep Soil Vapor Extraction Work Plan; February 27, 2023
- Technical Memorandum: In-Progress Data Report, Adit 3 Site Characterization; February 2023
- Site Characterization Plan Addendum, Additional Nested Deep Soil Vapor Monitoring Points in Adit 3 Tunnel; March 8, 2023
- Quarterly Release Response Report, Red Hill Bulk Fuel Storage Facility; March 22, 2023
- Consolidation and Optimization of the Groundwater Sampling Programs, Red Hill Bulk Fuel Storage Facility; May 18, 2023
- Draft Site Characterization Report, November 2021 JP-5 Release in Adit 3, Operable Unit 1; May 19, 2023

- Sentinel and Monitoring Well Installation Work Plan Addendum #1; May 19, 2023

2.0 Background

January 2014 Release. During Tank 5 refilling operations in January 2014 following a routine 3-year tank inspection and refurbishment process, a release of approximately 27,000 gallons of JP-8 fuel was confirmed and reported to DOH on January 23, 2014 (Figure 1). During that month, a fuel hydrocarbon seep was observed on a tunnel wall below Tank 5, and soil vapor monitoring points (SVMPs) installed beneath Tank 5 exhibited a sharp increase in hydrocarbon vapor concentrations. Subsequent analyses indicated that the causes of the release were defective workmanship in welding by the tank refurbishment contractor, poor inspection, and ineffective quality control (QC). The release resulted in the United States (U.S.) Environmental Protection Agency (EPA), DOH, the Navy, and Defense Logistics Agency (DLA) agreeing to the Red Hill Administrative Order on Consent (AOC) in September 2015 (EPA Region 9 and DOH 2015).

May 2021 Release. On May 6, 2021, Navy personnel responded to a reported release of fuel from a distribution pipeline inside the Facility in the vicinity of Tanks 17, 18, 19, and 20 (Figure 1). The Navy notified DOH of the release within 24 hours and provided DOH preliminary findings of the ongoing investigation on October 1, 2021, indicating that JP-5 fuel was released during a fuel transfer and that there were no leaks from any fuel tanks. The Navy captured JP-5 fuel from the tunnel drain system, which was followed by a complete wash down of the area with fresh water on May 7, 2021 (DON 2021c). It was later determined that some soil vapor monitoring vaults on the tunnel floor near the May 2021 Release and a fire suppression drain line were impacted by fuel, and the below-tank SVMPs exhibited elevated PID readings.

November 2021 Release. On November 20, 2021, a release of JP-5 fuel occurred in the Adit 3 Tunnel of the Facility (Figure 1). JP-5 fuel was released from an overhead 14-inch polyvinyl chloride (PVC) fire suppression recovery drain line at a location approximately 400 feet (ft) east of the water supply pumping station Red Hill Shaft and approximately 200 ft east of the junction with the Pearl Harbor Tunnel. The location of the release point was in close proximity to the supply well's underlying water development tunnel that extends greater than 1,200 ft east-southeast of the pumping station at an elevation of approximately 0–20 ft above mean sea level (msl).

Released fuel flowed along the Adit 3 Tunnel floor westward past the junction with the Pearl Harbor Tunnel and Red Hill Shaft. Fuel accumulated in a sump (Adit 3 Sump) approximately 750 ft west of the November 2021 Release point (Figure 2). JP-5 fuel was recovered from the Adit 3 Sump, connected piping, the fire suppression recovery drain line, and the Holding Tank/Leach Tank area including subsurface soil.


(b) (3) (A)



Figure 2: Adit 3 and Pearl Harbor Tunnel Layout Map

The November 2021 Release released fuel to the environment from the Adit 3 Sump, the Hume line located immediately below the tunnel floor, and the Holding Tank and Leach Tank area. Fuel was observed in the water development tunnel of water supply well Red Hill Shaft. Upon confirmation that a fuel-like odor was present in drinking water in homes served by Red Hill Shaft,

(b) (3) (A)



System on

approximately
Valley from
ure 3). The
operations in
30 ft above
ce.

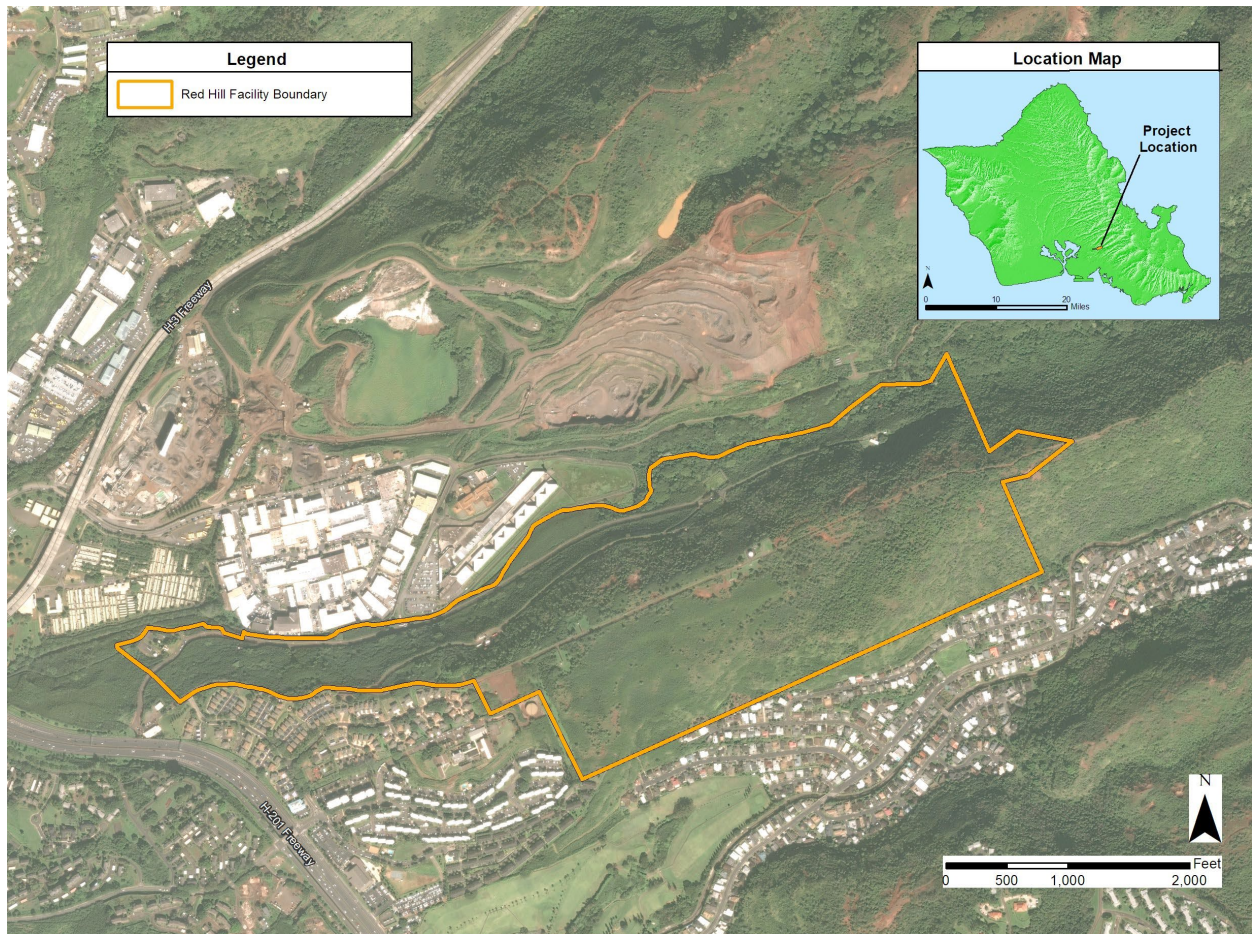


Figure 3: Site Location Map

2.1.1 Climate

Climatological conditions in the vicinity of the Facility consist of warm to moderate temperatures and low to moderate rainfall. The average annual precipitation is approximately 40 inches, which occurs mainly between November and April (Giambelluca, Nullet, and Schroeder 1986). Average temperatures range from the low 60s to high 80s (degrees Fahrenheit) (Juvik and Juvik 1998).

2.1.2 Soils and Geology

The Facility is located within the Ko‘olau Volcanic series. The Ko‘olau formation at Red Hill consists of basaltic lava flows that erupted from a fissure line approaching 30 miles in length and trending in a northwest rift zone (Wentworth and Macdonald 1953). Pāhoehoe and a‘ā lava flows are present in the Ko‘olau formation. The valleys on either side of the Red Hill ridge were formed as a result of fluvial erosion and are filled with sedimentary deposits (alluvium and colluvium), also known as valley fill, underlain by weathered basalt, also known as saprolite. Saprolite zones in Hawai‘i are typically around 75 ft thick but can be 300 ft thick or greater beneath the valley floors or in areas of high precipitation (Hunt Jr. 1996; Macdonald, Abbott, and Peterson 1983) The results of a recently conducted seismic survey in North and South Hālawā Valleys, Red Hill, and

Moanalua Valley (DON 2018a) found that valley fill and saprolite extend much deeper in the valleys surrounding Red Hill, particularly in the center of the valleys and below the streambeds.

Soils in the vicinity of the Facility are mapped as Helemano-Wahiawā association consisting of well drained, moderately fine-textured and fine-textured soils (USDA SCS 1972). The surfaces of the basaltic flows have been weathered to form reddish-brown clayey silt, which is the basis for the local name “Red Hill.” These soils typically range from nearly level to moderately sloping and occur in broad areas dissected by very steep gulches. They formed in material weathered from basalt to a depth of approximately 10 ft below ground surface (bgs). Along the slopes, the basaltic bedrock is covered with approximately 10–30 ft of Ko‘olau residuum. These soils were derived from weathering of the underlying basalt bedrock or were deposited as alluvium/colluvium. The younger alluvium/colluvium deposits were derived from fractured basalts and tuff. Beneath the surficial soils, alternating layers of clay and basalts are encountered at depth. The northwestern slope of Red Hill is generally barren of soil and consists of outcropping basalt lava flows to the valley floor.

2.1.3 Surface Water

Surface water features in the general vicinity of the Facility include South Hālawa Stream (an ephemeral stream approximately 600–800 ft north of the tanks), North Hālawa Stream (approximately 4,000–4,500 ft northwest of the tanks), and Moanalua Stream (approximately 1,700–2,000 ft south of the tanks). Potential recharge (run-on and operational water use) from the Hālawa Quarry north of the Facility may also impact groundwater flow in this area. In Hālawa Valley, streamflow may contribute water to perched groundwater within alluvial material (valley fill) but is generally isolated from the underlying basal aquifer. Most precipitation percolates to the basal aquifer and does not maintain base flows in the streams (Izuka 1992). Groundwater that flows beneath the Facility does not intercept surface water inland of the ocean shoreline (DON 2007). Both South Hālawa Stream and Moanalua Stream (to the north and south of the Red Hill ridge, respectively) are located approximately 170 ft or more above the basal water table in the vicinity of the tanks. The bottoms of the Facility’s fuel storage tanks are located at least 50 ft below the bottoms of these streams.

2.1.4 Groundwater

In the vicinity of Red Hill, the basal aquifer water table lies between 15 and 20 ft above msl. Regionally, groundwater flows toward Pearl Harbor (mauka to makai) (Hunt Jr. 1996; Izuka and Rotzoll 2023), although potential exists for variability in localized flow directions depending on geologic formations and other factors.

The Facility is located at the administrative boundary between the Waimalu Aquifer System of the Pearl Harbor Aquifer Sector and the Moanalua Aquifer System of the Honolulu Aquifer Sector. The underlying aquifer is classified as a basal, unconfined, flank-type aquifer and is currently used as a drinking water source.

The Facility is located upgradient of the Hawaii State Underground Injection Control Line, which separates potable groundwater from non-potable groundwater. The drinking water supply well closest to the tanks is Red Hill Shaft, located within the Facility's lower access tunnel, which is approximately 2,600 ft topographically downgradient of the nearest tank. Red Hill Shaft formerly provided potable water to the JBPHH Water Distribution System, which serves approximately 65,200 military customers; the potable water is now supplied by the Waiawa Shaft, located far to the west of the Facility. Naval Facilities engineering Systems Command (NAVFAC), Hawaii, Utilities Management Division operates the drinking water system. The nearest Honolulu Board of Water Supply (BWS) public drinking water supply well (BWS Hālawā Shaft Well 2354-01) is located hydraulically cross-gradient of the Facility approximately 4,400 ft northwest of the tanks, within the basal aquifer.

2.2 Historical Land Use

Prior to construction of the tank farm, the surface of Red Hill supported cane and pineapple agriculture. Navy archive images show that the Red Hill ground surface was exposed and modified during construction of the tank farm beginning in 1940. A 1952 aerial photograph shows unmaintained land on the Red Hill ridge and agriculture on the lower reaches of Red Hill north of the Moanalua Golf Course (DON 2019).

2.3 Current Land Use

The Facility is located on land zoned by the City and County of Honolulu as a mix of F-1 Federal and Military and P-1 Restricted Preservation districts. All major structures at the Facility are located underground. Populated areas closest to the Facility are 'Aiea to the west and Honolulu to the south and east. Honolulu is heavily urbanized and densely populated.

Preservation land is located east and northeast of the Facility boundary. To the southeast are residential single-family homes in Moanalua Valley; a high cliff face with a 100–200 ft elevation difference exists between the Facility and this residential area. Southwest of the tank farm area on the lower southwest flank of Red Hill are the public Red Hill Elementary School and residential apartments, and further west is U.S. Coast Guard Housing on F-1 Military land. North of the western segment of the Facility boundary in South Hālawā Valley is the State Animal Quarantine Station, private businesses in Hālawā Industrial Park, and the State-operated Hālawā Correctional Facility. To the north of the Correctional Facility at the lower reaches of an inter-valley ridge that forms the north wall of South Hālawā Valley is the open-pit Hālawā Quarry operated by the Hawaiian Cement Company.

As shown on Figure 3, the H-201 Moanalua Freeway transits approximately 350–700 ft beyond the Facility's southwest boundary and intersects with the H-1 and H-3 Freeways at the Hālawā Interchange, approximately 1,800 ft west of the Facility. The H-3 Freeway transits northeast from the interchange through North Hālawā Valley and on to O'ahu's windward side.

2.4 Conceptual Site Model

2.4.1 Facility Construction and Operations

The Facility's 20 bulk fuel storage tanks were field-constructed of steel-lined concrete in the early 1940s. They were connected to a fuel pumping station at Pearl Harbor via a tunnel system. The Facility is operated by Naval Supply Systems Command Fleet Logistics Center Pearl Harbor (formerly Fleet and Industrial Supply Center). Each fuel tank has a total capacity of approximately 12.5 million gallons. The 14 bulk fuel storage tanks that currently contain fuel store either JP-5, North Atlantic Treaty Organization-grade F-24 jet fuel, or F-76 marine diesel fuel.

2.4.2 Subsurface Conditions

The Facility's bulk fuel storage tanks are surrounded by rock in the vadose (i.e., unsaturated) zone, which consists primarily of basalt flows in complex, alternating layers. These heterogeneous layers vary from extremely high to extremely low permeability, with a corresponding ability to transmit and hold light nonaqueous-phase liquid (LNAPL, also referred to as free product in this report), depending on the layer's rock type and micro-pore structure (i.e., high ability in high-permeability a'ā and thin pāhoehoe flows and in a'ā clinker zones; low ability in massive a'ā and massive pāhoehoe flows). Geologic and water saturation characteristics in the rock surrounding the tanks could cause LNAPL to spread as it moves through the rock. As LNAPL moves through the larger pore spaces, some of it could be trapped in poorly connected fractures and blocked by nearby low-permeability regions or by surface tension and capillary forces of moisture, especially water held in the smaller pores. The potential presence of intact lava tubes might serve as preferential pathways and conduits for LNAPL migration.

Hawaiian volcanic rocks vary in porosity and permeability depending on the emplacement process, lava type, genesis, flow thickness, flow rate, extent, cooling rate, and weathering. Permeability is typically highest in the relatively thick, unweathered, rubbly a'ā clinker zones and intensely fractured zones or lava tubes of pāhoehoe flows. Permeability is much lower in the interior portions of massive flows, weathered interflows, intrusive rocks (dikes and sills), ash beds, and weathered rocks (saprolite) and soil horizons, which can impede both vertical and horizontal flows across valleys. Generally, the bulk vertical permeability of the basalt is orders of magnitude lower than the bulk horizontal permeability. Horizontal permeability is generally higher in the direction that the lava flowed than in the transverse direction.

Groundwater flow and solute transport are controlled by both the hydraulic conditions (e.g., gradients) and the physical properties of the hydrogeologic units, including hydraulic conductivity, effective porosity, specific yield, specific storage, anisotropy, and dispersivity, all of which can vary significantly under the highly heterogeneous conditions present at the site.

Fresh groundwater inflow originates as deep infiltration of precipitation and seepage from surface water features. According to the U.S. Geological Survey, estimates of recharge for O'ahu for recent conditions (2010 land cover and 1978–2007 rainfall) differ from predevelopment recharge values by only a few percent (Izuka et al. 2018). Spatial distribution of recharge mimics the orographic

rainfall pattern; recharge is highest on windward slopes and mountain peaks below the top of the tradewind inversion.

Groundwater outflow includes withdrawals from wells and natural groundwater discharge to springs, streams, wetlands, and submarine seeps. Data collected by the U.S. Geological Survey for groundwater levels, saltwater/freshwater interface, spring flow, and stream base-flow indicate an overall reduction in aquifer storage for most areas where groundwater has been extracted; this has caused groundwater levels to decline (Izuka et al. 2018).

Regional groundwater levels decrease from areas of recharge (mauka) to areas of discharge (makai) (Hunt Jr. 1996). Locally, water level gradients are extremely low and are influenced by geologic conditions, as well as by variability in local pumping stresses from water development shafts and wells.

2.4.3 Exposure Model

Potentially contaminated media are tunnel air; unconsolidated materials, volcanic rock, and soil/rock vapor surrounding the tanks and tunnel; groundwater beneath the Facility, which has the potential to migrate off site; and offsite surface water where groundwater may discharge. Human receptors that may potentially contact onsite or offsite Facility-impacted media are Facility occupational workers, construction workers, visitors, and offsite residents. Among the potentially complete exposure pathways identified, the primary pathway of concern is exposure to impacted tap water via direct ingestion and dermal contact, and via inhalation while showering and bathing. Animals and vegetation may also be exposed to tap water as pets or from irrigation. Exposure by ecological receptors is considered incomplete or insignificant (DON 2019).

2.5 Previous Facility Investigations

Previous environmental investigations at the Facility, summarized in Table 2-1, are divided into two categories: those preceding the 2015 AOC, and those subsequent to its issuance.

Table 2-1: Summary of Previous Red Hill Environmental Investigations

Investigation Report	Summary
<i>Pre-AOC Investigations</i>	
<i>Remedial Investigation Phase I and II, Red Hill Oily Waste Disposal Facility</i> (DON 1996; 2000)	A two-phase RI was initiated in the early 1990s at the Red Hill Oily Waste Disposal Facility. No contaminants were detected in the basal aquifer beneath the site, and DOH issued a concurrence letter for a No Further Action determination in 2005 (DOH 2005).
<i>Facility Site Characterization and Investigation</i> (DON 1999, 2002)	A two-phase investigation initiated in 1998 evaluated the presence of petroleum constituents at the Facility. DOH requested the Navy to conduct quarterly groundwater monitoring, conduct a Tier 3 risk assessment, and develop a contingency plan.
<i>Quarterly Groundwater Monitoring Reports</i> (DON 2005 to present)	Sampling and analysis of Red Hill network groundwater monitoring wells were initiated in 2005 and incorporated into the Red Hill GWPP (DON 2008b; 2014b); results are reported to DOH.

Investigation Report	Summary
<i>Technical Report</i> (DON 2007)	An environmental investigation and risk assessment initiated in 2004 included installation of SVMPs in angle borings under the active fuel storage tanks, three additional groundwater monitoring wells in the lower access tunnel, a three-dimensional groundwater model, and a Tier 3 human health risk assessment.
<i>Tank 17 Removal Action Report</i> (DON 2008c)	Documented results of a limited removal action and site characterization investigation conducted in June 2008 in response to a 4-gallon release of JP-5 fuel from tunnel piping; the report's Environmental Hazard Analysis determined that the release posed no further significant environmental hazards.
<i>Type 1 Letter Report</i> (DON 2010)	A 2010 investigation re-evaluated the DON (2007) groundwater model assumptions and results, as well as the Tier 3 risk assessment results.
<i>Monthly Soil Vapor Monitoring Reports</i> (DON 2008a)	Soil vapor PID measurements are collected monthly under the Facility's fuel storage tanks with SVMPs in accordance with the Red Hill GWPP (DON 2008a; 2014b); results are reported to DOH.
<i>AOC-Related Investigations</i>	
<i>Tank 5 Initial and Quarterly Release Response Reports</i> (DON 2014a to December 2022)	Documented the results of release response efforts for the Tank 5 January 2014 Release.
<i>Seismic Profiling to Map Hydrostratigraphy in the Red Hill Area</i> (DON 2018a)	Presented results and evaluation of nine seismic profiling transects conducted at Red Hill and in North and South Hālawā Valleys and Moanalua Valley to improve understanding of subsurface conditions that affect groundwater flow and CF&T.
<i>Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility</i> (DON 2018c)	Presented an interim analysis of environmental data and potential environmental risks; interim results of the groundwater flow model; and an evaluation of hypothetical release scenarios.
<i>Conceptual Site Model</i> (DON 2018b; 2019)	Established a basis for evaluating contaminant transport pathways and potential for exposure of human receptors to potentially impacted drinking water.
<i>Groundwater Flow Model Report</i> (DON 2020a)	Refined the previous groundwater flow model to improve understanding of the direction and rate of groundwater flow within the aquifers around the Facility.
<i>Investigation and Remediation of Releases Report</i> (DON 2020b)	Documented the response to the January 2014 Tank 5 release and evaluated potential remedial alternatives for that release and any potential future release.
<i>Evaluation of Chromatograms for Understanding TPH Detections in Monitoring Wells</i> (DON 2020c)	Provided an evaluation of TPH detections in monitoring wells to determine whether those detections are indicative of potential fuel impacts from the Facility.

Investigation Report	Summary
<i>Initial and Quarterly Release Response Reports, Pipeline Breach in Tunnel and Fire Suppression Drain Line</i> (DON 2021a; 2021b; 2021d; 2022c; 2022d; 2022f; 2022h)	Documented the quarterly results of release response efforts for the May 6, 2021 Tunnel Pipeline Breach and the November 20, 2021 Fire Suppression Recovery Drain Line releases.
<i>Phase 1 and Phase 2 Technical Memoranda, Holding Tank and Leach Tank Characterization, November 2021 Pipeline Release</i> (DON 2022b; 2022j)	Presented preliminary results of a two-phase site characterization effort at the Holding Tank and Leach Tank area outside Adit 3.
<i>Quarterly Release Response Reports, Red Hill Bulk Fuel Storage Facility</i> (DON 2022i; 2023f)	Documented the combined quarterly results of release response efforts for the January 2014, May 2021, and November 2021 releases.
<i>Technical Memorandum: In-Progress Data Report, Adit 3 Site Characterization</i> (DON 2023e)	Presented in-progress results of the Adit 3 site characterization effort summarized in Section 3.3.
<i>Draft Site Characterization Report, November 2021 JP-5 Release in Adit 3, Operable Unit 1</i> (DON 2023g)	Presented draft results of the Adit 3 site characterization effort for the shallow vadose zone (Operable Unit 1 [OU-1]) summarized in Section 3.3.

- CF&T contaminant fate and transport
- GWPP Groundwater Protection Plan
- RI remedial investigation
- SVMP soil vapor monitoring point
- TPH total petroleum hydrocarbons

3.0 Summary of Investigation History

Investigation activities associated with the January 2014 Release began in 2014 and have continued under the AOC since it was signed in 2015.

Investigation activities in response to the May 2021 Release began on May 10, 2021 and included soil vapor, groundwater, and drinking water monitoring and free product gauging and headspace measurements. Following the November 2021 Release, site characterization and investigation efforts were expanded to include investigations of the Adit 3 and Pearl Harbor Tunnels, the Holding Tank and Leach Tank area and the CHT Tank area outside Adit 3, video inspection of the Red Hill Shaft water development tunnel, single-event groundwater sampling at two non-network monitoring wells on the Moanalua Valley side of Red Hill, and pilot and bench-scale tests currently being planned to evaluate potential technologies for remediating the November 2021 Release, as described in the below subsections.

Results from previous and ongoing investigations of the May 2021 and November 2021 Releases are provided in the published NOI reports to DOH listed in Section 1.2.

3.1 AOC Release Response Activities

Continuing release response activities for the January 2014 Release at Tank 5 under the Red Hill AOC include soil vapor and groundwater sampling analysis, evaluation, and reporting; installation of additional groundwater monitoring wells; geologic mapping; forensics analyses; and groundwater modeling.

Installation of monitoring well RHMW17 was originally planned as part of the AOC response prior to the May and November 2021 Releases. Notification was provided to the Regulatory Agencies regarding the potential for subsurface contamination related to a former slop tank in the vicinity of the RHMW17 drilling location. During drilling, shallow soil and perched groundwater contamination was encountered. Notifications, data, and correspondence via email and meetings with DOH, EPA, and the Hawai'i Department of Land and Natural Resources Commission on Water Resource Management were provided regarding characterization of the shallow soil contamination and completion of RHMW17. The last meeting was held March 21, 2022.

3.2 NOI Release Response Activities

Investigation activities in response to the May 2021 Release began on May 10, 2021 with a site assessment that included soil vapor PID field measurements and laboratory sample collection and analysis, free product gauging and headspace measurements in groundwater monitoring wells, and groundwater sampling and analysis.

Soil Vapor Monitoring. Soil vapor monitoring currently includes weekly collection of soil vapor PID readings from probes at Tank 2 through 18 and Tank 20 (Figure 4). Passivated canister samples for laboratory analyses are collected at least monthly at probes SV15S, SV15D, SV17S, SV17D, SV18S, SV18D, SV20S, and SV20M.

Figure 4: Soil Vapor Monitoring Network Below the Red Hill Fuel Storage Tanks

Free Product Gauging and Headspace Measurements. Free product gauging and headspace measurements were collected as part of the NOI sampling activities and also from the entire Red Hill monitoring network as part of the Red Hill groundwater long-term monitoring program. Free product has never been detected in any monitoring well outside of Red Hill Shaft.

NOI Groundwater Monitoring. NOI groundwater samples were initially collected from RHMW01R, RHMW02, and RHMW03 beginning in May 2021 (Figure 1). The collection of drinking water samples at the pre-chlorination spigot in conjunction with groundwater sampling

(b) (3) (A)

RHMW05 and
organics (TPH-d)
ation samples,
) that occurred

pling Plan was
water sampling
weekly sampling
6, RHMW19,
MW08A, and
(Zone 3), and
B Sump.

Monitoring well RHMW17 was installed and added to the NOI groundwater sampling program in June 2022.

Delineation Wells. Starting in 2022, a set of wells has been installed at locations shown on Figure 5 to evaluate groundwater conditions in the vicinity of Red Hill Shaft and delineate the extent of contamination extending from the November 2021 Release in the Adit 3 Tunnel. These wells provide water chemistry and water level data from the basal aquifer and enable detection of any fuel product on the water table surface. Data collected during drilling are also evaluated to detect potential impacts to the vadose zone. The completed delineation wells are screened across the basal aquifer water table except for RHP04B and RHP04C, which are designed to monitor deeper chloride concentrations with screens at approximately -140 ft msl and -340 ft msl, respectively. As of this reporting period, eight delineation wells are complete (RHP01, RHP02, RHP03, RHP04A, RHP04B, RHP04C, RHP05, and in-tunnel well RHP07), and installation has commenced at RHP06 and RHP08. Additional details (e.g., boring logs, well construction details) on delineation well installation and water quality data are uploaded to the JBPHH Red Hill Bulk Fuel Storage Facility Environmental Data Management System (EDMS) (see Appendix E - Groundwater Monitoring Well Installation Data) and are reported in the Quarterly RRRs as they are acquired.

Sentinel Wells. Installation of sentinel wells (DON 2017e) as part of expanding the groundwater monitoring network following the November 2021 Release commenced with well NMW24, which was completed and first sampled in November 2022. NMW24 is located in a developed area of the town of 'Aiea approximately 430 ft southeast of water supply well Navy 'Aiea Hālawā Shaft and 1.2 miles northwest of the western portion of the Facility (see Figure 1). During this reporting period, coring and drilling commenced at RHMW18 (located on Red Hill northeast of the upper tank farm) and RHMW20 (located at the base of Red Hill north of the central tank farm).

The Navy provided a *Sentinel and Monitoring Well Installation Work Plan Addendum #1* (DON 2023h) to the Regulatory Agencies on May 19, 2023 that documented modifications to coring and well construction procedures outlined in the initial WP (DON 2022k) that are designed to expedite well installation.

Drinking Water Sampling. Drinking water sampling was conducted at Red Hill Shaft as part of the response effort for the November 2021 Release until December 2021, when Red Hill Shaft was disconnected from the JBPHH Water Distribution System. Ongoing drinking water sampling and analyses continues under a separate program and are therefore not described in this Quarterly RRR.

Changes to NOI Groundwater Sampling Program. The Navy described modifications to the current NOI groundwater sampling and analysis program to the Regulatory Agencies in a May 18, 2023 memorandum titled *Consolidation and Optimization of the Groundwater Sampling Programs, Red Hill Bulk Fuel Storage Facility* (DON 2023i). The memorandum integrated all Red Hill groundwater sampling programs into a single program, revised the NOI analyte list, optimized sampling frequency, and standardized the sample collection methodology to low-flow purging and sampling.

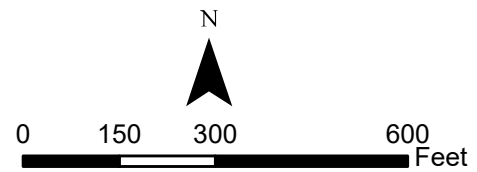
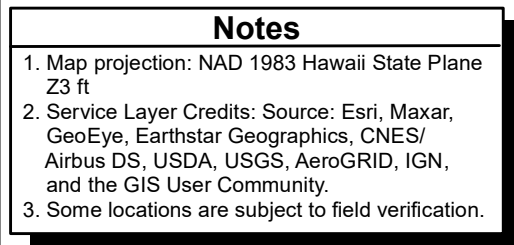
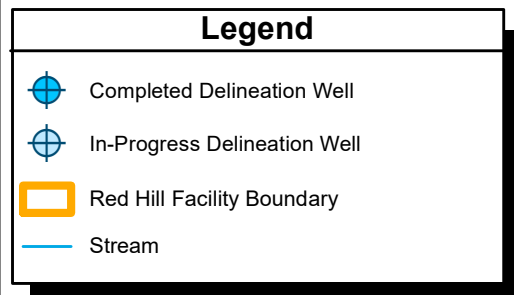
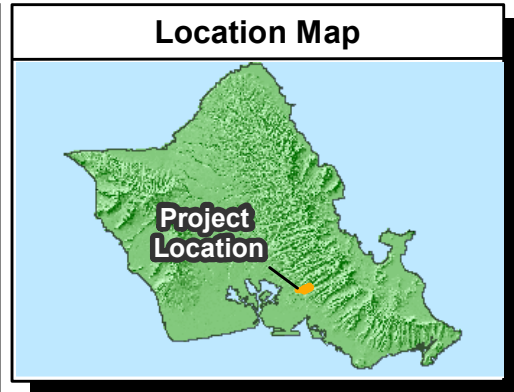


Figure 5
Delineation Wells
Quarterly Release Response Report
Red Hill Bulk Fuel Storage Facility
JBPHH, O‘ahu, Hawai‘i

3.3 Site Characterization at Adit 3

Investigation and sampling activities in response to the November 2021 Release began on November 29, 2021. Characterization results for the shallow vadose zone are presented in a *Draft Site Characterization Report, November 2021 JP-5 Release in Adit 3, Operable Unit 1*, submitted to the Regulatory Agencies for review on May 19, 2023 (DON 2023g). Site characterization activities of the saturated zone continue at Adit 3, and an Operable Unit (OU-) 2 report is forthcoming. Site characterization sampling locations are shown on Figure 6 and Figure 7, and characterization data are uploaded to EDMS (see Appendix E - Characterization and Remediation Data, Characterization and Remediation Analytical Laboratory Reports, and Environmental Data Report Tables). Field activities conducted during this reporting period are presented in Section 5.0.

3.4 Site Characterization at Holding Tank and Leach Tank Area

A multi-phase subsurface site characterization and removal action of contaminated soil at the Holding Tank and Leach Tank area outside Adit 3 (Figure 2) was initiated in January 2022. Phase 1 and 2 sampling locations are shown on Figure 8.

Under Phase 1, 21 subsurface soil borings were drilled and sampled in January 2022 using direct-push methodology. The investigation was unable to delineate the extent of contamination in the perched aquifer due to encountering shallow refusal, as documented in a *Technical Memorandum November 2021 Pipeline Release Red Hill Fuel Storage Facility, February 2022* (DON 2022b).

Following consultation with the Regulatory Agencies, the Navy conducted Phase 2 field work during March 9–17, 2022 to complete vertical delineation of the petroleum in subsurface soil and to characterize petroleum impacts in the shallow perched water body located at approximately 30 ft bgs in the study area. Subsurface soil samples and organic vapor headspace readings were collected at eight soil borings from data gap locations, and groundwater grab samples were collected from three temporary monitoring wells within the perched groundwater zone. The chemical constituents evaluated were TPH-g, TPH-d, and TPH-o; BTEX; and N, 1MN, and 2MN.

The Phase 2 findings led to excavation and removal of both tanks and approximately 97 tons of soil in May 2022. Waste characterization soil samples were collected and analyzed for TPH-g, TPH-d, and TPH-o prior to the excavation event, and the excavated soil was properly disposed of at a permitted landfill. Removal activities continued with a second soil removal action in September–October 2022 that removed approximately 1,000 cubic yards (1,712 tons) of additional petroleum-contaminated soil. Soil samples were collected using multi-increment sampling methods. After sampling, all excavated soil was properly disposed of at a permitted landfill.

Details and results were presented to the Regulatory Agencies for comment in a *Draft Final Technical Memorandum, Phase 2 Holding Tank and Leach Tank Characterization, November 2021 Pipeline Release* (DON 2022j) on December 7, 2022. In addition, a *Draft Closure Report, Concrete Tank Removal* was provided to the Regulatory Agencies for comment on February 24, 2023 (DON 2023a). Once the removal action confirmation sampling results have been evaluated, the Navy will develop site-specific risk-based action levels following the DOH HEER

Environmental Hazard Evaluation (EHE) process and, if necessary, develop and implement an Environmental Hazard Management Plan in accordance with HEER guidelines.

3.5 Planning for Site Characterization at the Collection, Holding, and Transfer Tank

Site characterization activities are being planned as part of a Phase 1 assessment to characterize the nature and lateral extent of petroleum hydrocarbon impacts in near-surface soil around a CHT Tank located outside Adit 3 (see Figure 2). Additional activities will include characterizing and quantifying the amount of LNAPL, petroleum-contaminated water, and petroleum-impacted sludge stored in four fractionation (frac) tanks of recovered material near Adit 1 at Pearl Harbor to quantify the amount of petroleum recovered. Site characterization plans were presented to the Regulatory Agencies for comment in a *Site Characterization Plan Addendum – Collection, Hold, and Transfer Tank Overflow Site Characterization, November 2021 Release* on December 7, 2022 (DON 2022i).

3.6 Inspection of Water Development Tunnel

Inspections of the Red Hill Shaft water development tunnel were conducted using a submersible remotely operated vehicle (ROV) to better understand the extent of impact in the tunnel and to potentially identify areas of fluid infiltration. Cameras on the cable-controlled ROV recorded downward, forward, and upward video of the first 515 ft of the tunnel, which investigators then reviewed and evaluated. An initial inspection conducted on January 13, 2022 was followed by a second June 14–15, 2022 inspection; the results are reported in a *Findings from ROV Inspection #2 Video Review of Red Hill Water Development Tunnel* technical memorandum (DON 2022g).

3.7 Single-Event Groundwater Sampling at DH-43 and BWS2253J1 Well

In a single sampling event in October 2022, the Navy collected split samples with BWS at monitoring wells DH-43 (State Well ID No. 3-2253-02), located adjacent to Red Hill in Moanalua Valley, and BWS2253J1 Well (State Well ID No. 3-2253-006), located beside an aboveground BWS water tank southwest of the Red Hill fuel storage tanks adjacent to the Facility boundary and RHMW09. The split sampling was conducted to obtain data to further evaluate potential impacts to groundwater southeast and south of the tank farm. The Navy's samples were analyzed for the NOI parameters identified in Section 5.3. Details and analytical results were reported in the December 21, 2022 Quarterly RRR (DON 2022i).

3.8 Remediation Pilot Test Planning

The Navy is planning to conduct pilot and bench-scale tests to evaluate potential technologies for remediating fuel released to the environment by the November 2021 Release. The objectives are to assess the technologies' effectiveness in heterogeneous lithologies, assess the constructability of the technologies, and identify design parameters prior to full-scale implementation.

(b) (3) (A)

ions
port
lity

This page intentionally left blank

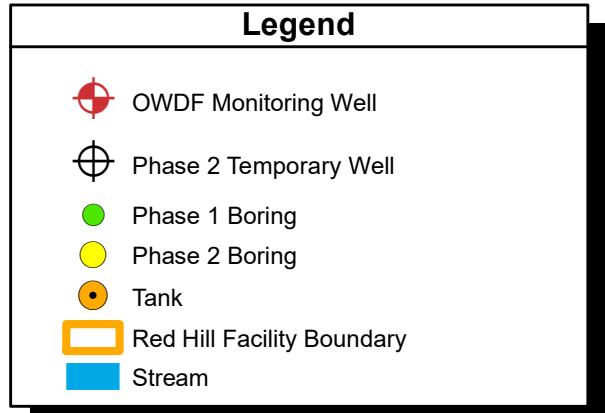
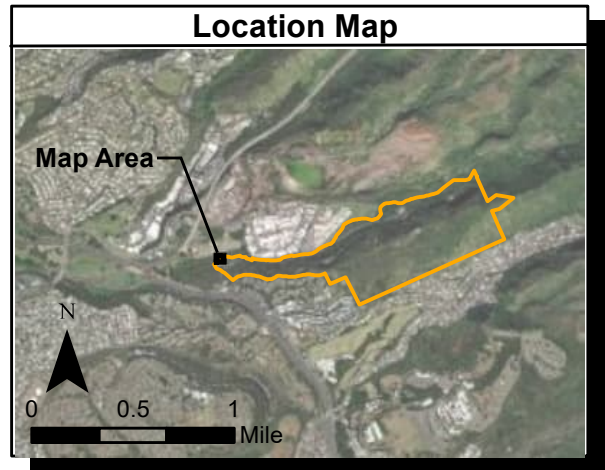
(b) (3) (A)

ry Well,
ations
rt

This page intentionally left blank



B:\0571032-HNL1900-Work\920_GIS\02_Maps\RRR\Fig8 HT-LT_SampLocMap_20230608.mxd 6/8/2023



- ### Notes
1. Map projection: NAD 1983 Hawaii State Plane Z3 ft
 2. Base Map Source: U.S. Geological Survey, 2011, USGS High Resolution Orthoimagery for Honolulu, Hawaii
 3. Location Map Source: Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.
 4. Coordinates: NAD 1983 Hawaii State Plane Z3 ft

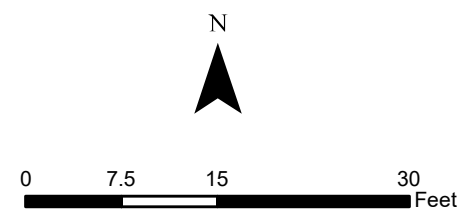


Figure 8
Holding Tank and Leach Tank
Sampling Location Map
Quarterly Release Response Report
Red Hill Bulk Fuel Storage Facility
JBPHH, O'ahu, Hawai'i

This page intentionally left blank

The proposed field pilot testing is anticipated to consist of short-duration soil vapor extraction (SVE) and air sparging (AS) pilot tests, a 6-month SVE pilot test, a 24-month natural source-zone depletion (NSZD) study, and a laboratory JP-5 weathering treatability study. Following the testing period, 18 months of SVE system operation is planned.

The Navy provided to the Regulatory Agencies for comment a *Draft Shallow SVE/AS Work Plan* (WP) on January 9, 2023 (DON 2023b); a *Draft NSZD WP* on February 23, 2023 (DON 2023d); and a *Draft Deep SVE WP* on February 27, 2023 (DON 2023c).

4.0 Site Investigation Objectives

Sampling activities in response to the three fuel releases include routine sampling and other investigation activities associated with soil vapor and groundwater monitoring and site characterization, as described below.

4.1 Soil Vapor

AOC and NOI Soil Vapor Sampling at the Tank Farm. The Navy installed SVMPs below each of the active Red Hill fuel storage tanks in the mid-2000s to collect data that provide additional layers of protection to screen for potential releases (Figure 4) (DON 2007). These SVMPs have been monitored monthly since 2008 for total volatile organic compound (VOC) vapors as a release detection screening tool that operates in conjunction with other leak detection systems used at the Facility. More frequent (e.g., weekly) monitoring of some or all of the below-tank SVMPs has been conducted since the May 2021 Release to further characterize the specific VOCs associated with the May 2021 Release and to evaluate the extent of weathering that has occurred.

Adit 3 Soil Vapor Sampling. Routine monitoring of the SVMPs installed in the tunnel floor near Adit 3 and in the Pearl Harbor Tunnel has been conducted to further characterize the nature and extent of impacts from the November 2021 Release near Adit 3. Results have been used to identify initial hotspots and to direct additional subsurface soil, LNAPL, and groundwater studies to develop a complete conceptual site model (CSM) for the development of future feasibility studies and remedial designs.

4.2 Free-Product Gauging and Headspace Measurements

AOC Oil/Water Interface Measurements. The Navy continues to collect monthly oil/water interface measurements from monitoring wells located in the tunnel in response to the January 2014 Release. The objective of the measurements is to evaluate whether free product has reached groundwater at specific monitoring well locations.

NOI Free-Product Gauging and Headspace Measurements. Free product gauging and headspace measurements are conducted prior to the collection of groundwater samples. The objectives of the free product gauging and groundwater monitoring well headspace measurements are to evaluate whether free product has reached groundwater at specific monitoring well locations and to monitor for the presence of free product in Red Hill Shaft.

4.3 *Groundwater*

NOI Groundwater Sampling. The objective of groundwater sample collection and analysis from monitoring wells and underneath the tank farm and in the vicinity of Red Hill Shaft is to evaluate the nature and extent of impacts to the basal groundwater aquifer.

Delineation wells (Section 3.2) are being installed to evaluate basal aquifer groundwater quality in the vicinity of Red Hill Shaft, the extent and magnitude of groundwater impact associated with the November 2021 Release, groundwater flow and the effect of pumping Red Hill Shaft on the local hydraulic gradient, and whether contamination is migrating from the site toward potential offsite receptors.

Adit 3 and Pearl Harbor Tunnels Groundwater Sampling. The objective of groundwater sample collection from perched aquifers located beneath the Adit 3 and Pearl Harbor Tunnels is to evaluate impacts to shallow groundwater above the basal aquifer that may have been impacted by the downward migration of fuel. These data help to further characterize the occurrence, nature, and extent of fuel impacts and the potential for perched groundwater to serve as a source that could further impact the subsurface beneath it.

4.4 *Data Usability*

The usability of data collected depends on its quality, which in turn depends on a variety of factors. Adhering to proper sample collection techniques, observing and documenting chain of custody procedures, and using Department of Defense (DoD)-accredited laboratories and approved analytical methods ensure that the quality of data generated meets site characterization objectives.

DOH's guidance on characterization of petroleum-impacted soil and groundwater are described in Section 6 ("Soil, Soil Vapor and Groundwater Action Levels for TPH") of the DOH guidance document *Evaluation of Environmental Hazards at Sites with Contaminated Soil and Groundwater* (DOH 2017), summarized as follows:

- Petroleum is a complex mixture that degrades into potentially toxic metabolites.
- Non-specific aliphatic and aromatic compounds and related degradation compounds compose the majority of the mass collectively referred to as TPH.
- Risk to human health and the environment posed by petroleum releases is evaluated in terms of both TPH and individual "indicator" compounds such as BTEX as well as N, 1MN, and 2MN and other targeted polynuclear aromatic hydrocarbons (PAHs). The latter compose only a small percentage of the total mass in fuels and in vapors but can pose a significant risk due to their higher toxicity and can be important for evaluating risk due to their higher toxicity.
- For risk evaluation, samples are evaluated for additives known or suspected to have been pre-blended into the fuel. Such additives can potentially include antioxidants, biocides, and fuel system ice inhibitors.

Appendix A, Section 4.1.6 (LNAPL Plume Delineation) of the DOH (2017) guidance document identifies soil borings as part of the LNAPL characterization process, including the following delineation methods for soil:

- If the depth of the source of a release is known, then the approximate upper extent of that release can be inferred.
- Headspace measurements for volatile organics will typically show an increase in concentration within the LNAPL zones. Plotting these on a simple chart of depth against concentration will typically show the inferred bulk LNAPL zone (mobile or residual).
- Visual and olfactory observations are typically logged as well, giving another indication of the presence of LNAPL.
- Soil samples are often collected and analyzed chemically, which will give another set of clear LNAPL indications. In general, TPH analytical results (for the appropriate fuel carbon range) greater than 250 milligrams per kilogram (mg/kg) are indicative of residual LNAPL (because site soil has a limited sorptive capacity).

Petroleum-related target analytes identified in the above guidance are listed in Table 4-1, and relevant DOH EALs are listed in Table 4-2.

Table 4-1: Target Analytes for Middle-Distillate Contaminated Media

Petroleum Product	Media	Recommended Target Analytes
Middle Distillates (e.g., diesel, kerosene, Stoddard solvents, heating fuels, jet fuels)	Soil Vapor	TPH, BTEX, N, and methane
	Groundwater	TPH, BTEX, N, 1MN, and 2MN

Source: (DOH 2017, Volume 2, Table 6-1).

Table 4-2: DOH Environmental Action Levels

Analytical Method	Analyte	EALs	
		Soil Vapor ($\mu\text{g}/\text{m}^3$) ^a	Groundwater ($\mu\text{g}/\text{L}$) ^b
SW-8260	TPH-g	4.9×10^6	500 / 300
	Benzene	6,300	170 / 5
	Toluene	1.8×10^7	40 / 1,000
	Ethylbenzene	2×10^5	30 / 700
	Xylenes	3.5×10^5	20 / 10,000
SW-8270	N	1.1×10^4	21 / 17
	1MN	9.8×10^5	10 / 27
	2MN	5.6×10^4	10 / 24
SW-8015	TPH-d	2.2×10^6	500 / 400
	TPH-o	N/A	500 / 2,400

Source: Hawai'i Department of Health Environmental Action Level Surfer (Fall 2017) (DOH 2017).

Bold Value: Tier 1 EAL used for groundwater data screening.

µg/L micrograms per liter

µg/m³ micrograms per cubic meter

mg/kg milligrams per kilogram

N/A not applicable; EAL not provided

TPH-g TPH-gasoline range organics

^a Soil Vapor EALs = (Commercial / Industrial Shallow Soil Vapor Action Levels) (Table C)

^b Groundwater EALs = (Odor Taste Threshold) / (Drinking Water Toxicity)

5.0 Field Activities

Field activities performed during this reporting period to characterize soil vapor and groundwater are described below. Site characterization activities associated with the Adit 3 and Pearl Harbor Tunnel and the Holding Tank and Leach Tank area are also summarized below; as noted in Section 3.0, the data for these two investigations are documented in separate reports (DON 2023g; 2022j).

Analytical methods for the samples collected are identified in Section 6.3, and analytical results are presented in Section 9.0.

5.1 Soil Vapor Monitoring

5.1.1 Below-Tank SVMPS

Under the AOC, VOC concentrations at below-tank SVMPS were measured monthly in the field using hand-held PIDs at all SVMPS below Tanks 2 through 18 and 20; locations are shown on Figure 4.

Under the NOI, all below-tank SVMPS were monitored weekly during this reporting period; locations are shown on Figure 4. In addition, NOI analytical samples were collected monthly using passivated canisters from SVMPS SV15S, 15D, 17S, 17D, 18S, 18D, 20M, and 20D for analysis at a fixed-base analytical laboratory. No NOI analytical samples were collected in February 2023 from SV15S or SV15D because access to the Tank 15 SVMPS was blocked by temporary equipment installed at that time.

5.1.2 Adit 3 and Pearl Harbor Tunnel SVMPS

Nine SVMPS monitoring events were conducted during this reporting period, as part of implementing the *Preliminary Site Characterization Plan* (DON 2022a) and *LNAPL Site Characterization Plan* (DON 2022e) (Section 3.3) including both planned monthly SVMPS monitoring events and out-of-frequency events conducted in response to rainfall events. Figure 9 depicts the location of each tunnel subslab and near-surface SVMPS and the organic vapors measured between February 6 and April 10, 2023 (the last sampling event within this reporting period). In addition, three monthly sampling events occurred using passivated canisters of 17 selected subslab and deep SVMPS locations, and results are available in EDMS (see Appendix E - Soil Vapor Analytical Laboratory Reports).

5.2 Free Product Gauging and Groundwater Monitoring Well Headspace Measurements

AOC Gauging. Free product gauging (i.e., oil/water interface measurements) data were collected monthly at in-tunnel monitoring wells RHMW01, RHMW01R, RHMW02, RHMW03, and RHMW05.

NOI Gauging and Measurements. Free product gauging and groundwater monitoring well PID headspace measurements were collected weekly at groundwater monitoring wells included in the *NOI Groundwater Sampling Plan* (Appendix B.6) and at subsequently installed wells RHMW17 and NMW24. At the request of DOH, the free product gauging method was changed to using a clear bailer; this method consisted of collecting a sample from the water surface in the monitoring well and photographing the water in the bailer to demonstrate any evidence of free product. In addition, an ultraviolet light was used approximately weekly at Adit 3 Sump and Red Hill Shaft to check for the presence of free product.

Groundwater sampling, free product gauging, and PID headspace measurements were conducted biweekly at the completed delineation wells. Free product gauging was conducted using a clear bailer as described above in addition to using an oil/water interface probe. Headspace measurements were collected using a PID, with readings both from inside the well casing and from a jar that had been filled with purge water, sealed, and then allowed to equilibrate.

Adit 3 Gauging and Measurements. LNAPL was identified in the shallow trench boring installed adjacent to the Red Hill Shaft Pump Station in March 2022 (Figure 6), and additional step-out borings were installed to evaluate the extent of LNAPL on the perched water table (Figure 7). Water levels have also been measured weekly since March 2022. During that time, evidence of LNAPL has been observed in A3+015-BH, A3+000-BH, A3-010-BH, and A3-040-BH, covering approximately 65 linear ft of the shallow subsurface beneath the tunnel floor. Adit 3 gauging and headspace measurements are discussed in the Draft Adit 3 OU-1 Site Characterization Report (DON 2023g).

5.3 Groundwater and Adit 3 Sump Water Sampling

Two new delineation wells were added to the Release Response groundwater sampling network during this reporting period: RHP04C and RHP07.

In accordance with the *NOI Groundwater Sampling Plan* revised on December 27, 2021 (Appendix B.6; note revision provided to DOH on February 10, 2022 but subsequent comments not received), the following locations were monitored during this reporting period, as shown on Figure 1:

- NOI in-tunnel groundwater monitoring wells within the lower access tunnel: RHMW01R, RHMW02, RHMW03, and RHMW05
- NOI groundwater sampling point RHMW2254-01 at Red Hill Shaft

- Selected outlying NOI groundwater monitoring wells external to the tunnel:
 - RHMW04, located within the Facility boundary east of the tank farm in a location believed to be hydraulically upgradient from the tanks
 - RHMW06, RHMW08, RHMW13-05, RHMW15-05, RHMW16, and RHMW17, located within the Facility boundary northeast and northwest of the tank farm in locations along the Facility’s northern border
 - RHMW09 and RHMW19, located within the Facility boundary southwest and southeast of the tank farm in locations along the Facility’s southern border
 - OWDFMW01, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A, located within the Facility boundary west of Red Hill Shaft
 - RHMW11-05, RHMW12A, and RHMW14-03, located outside the Facility boundary north of the tank farm on the grounds of the Hālawā Correctional Facility
- Delineation wells RHP01, RHP02, RHP03, RHP04A, RHP04B, RHP04C, RHP05, and RHP07
- Sentinel well NMW24
- Adit 3 Sump

Field activities for groundwater and sump water sampling are presented below. The sampling procedures conducted vary between sampling programs. Analyses also vary between programs, as described in Section 6.3.

5.3.1 NOI Groundwater Sampling

At DOH’s request, monitoring wells with sampling zones that intersect the water table were sampled with a bailer without purging. However, several groundwater sampling locations are in confined portions of the aquifer, and therefore purging and sampling is conducted with a pump. The monitoring locations sampled with methods other than or in addition to a bailer include the following:

- OWDFMW01, OWDFMW04A, OWDFMW05A, OWDFMW07A, OWDFMW08A, RHMW12A, and RHMW16 are purged and sampled with a low-flow pump.
- RHMW11-05, RHMW13-05, RHMW14-03, and RHMW15-05 are multilevel wells and are sampled according to their standard operating procedures (SOPs).
- RHMW2254-01 is sampled with both a low-flow pump and a bailer.

Weekly NOI groundwater sampling was temporarily suspended during certain weeks of January and April 2023, while the First and Second Quarter 2023 groundwater long-term monitoring events were conducted.

The first sampling event for well NMW24 was conducted on November 22, 2022 in accordance with the NOI sampling and analytical program, after which sampling was transitioned to the sentinel well program. The sentinel well program is described in Section 5.3.3.

5.3.2 Delineation Well Groundwater Sampling

Groundwater samples were collected from the eight completed delineation wells: RHP01, RHP02, RHP03, RHP04A, RHP04B, RHP04C, RHP05, and RHP07. Well locations are depicted on Figure 5. Each well was sampled using a low-flow pump twice a month for a minimum of 2 months after completion.

5.3.3 Sentinel Well Groundwater Sampling

Groundwater samples were collected from the one completed sentinel well, NMW24. The well location is depicted on Figure 1. The first sampling event for NMW24 was conducted on November 22, 2022 in accordance with the NOI program (see Section 5.3.1), after which protocol transitioned to the sentinel well program in December 2022. Beginning on December 1, 2022, the well was sampled once per week with a bailer without purging. Beginning in March 2023, sentinel well sampling was conducted from beneath the water table using a low-flow pumping strategy, similar to the delineation wells.

5.3.4 Adit 3 Sump Water Sampling

Adit 3 Sump water was sampled with a bailer during the weekly sampling.

6.0 Sample Control Procedures

Prior to sampling, the field team inspected all supplies and consumables to ensure that they were acceptable for use. Sampling and sample handling procedures were designed to ensure that samples were consistently collected, labeled, preserved, and transported in a manner that maintained their integrity for their intended purposes.

6.1 Sample Containers and Preservation

Sample container, preservative, and holding time requirements for soil vapor and groundwater are listed in Table 6-1. The samples were preserved as indicated and analyzed within the required holding times. The containers, preservatives, and holding times are specified in the respective EPA or SW-846 methods.

Table 6-1: Sample Containers, Preservatives, and Holding Times

Parameter	Number/Type of Containers per Sample	Preservative	Holding Time
SOIL VAPOR			
Total VOCs, TPH-g, BTEX, N, 1MN, and 2MN; oxygen, carbon dioxide, methane, and helium	1 × Passivated Canister	N/A	30 days
GROUNDWATER			
VOCs			
VOCs, BTEX	2 × 40-mL vials, Teflon-lined septum caps	No headspace, cool to ≤6°C and adjust to pH <2 with H ₂ SO ₄ , HCl, or solid NaHSO ₄	Maximum holding time is 7 days if pH >2 or 14 days if pH <2
TPH			
TPH-g	2 × 40-mL vials, Teflon-lined septum caps	No headspace, cool to ≤6°C and adjust to pH <2 with HCl	Maximum holding time is 7 days if pH >2 or 14 days if pH <2
TPH-d, TPH-o (without and with SGC)	2 × 1-L amber glass, Teflon-lined lid	Cool to ≤6°C and adjust to pH <2 with HCl or H ₂ SO ₄	14 days / 40 days ^a
TPH-d, Saturated Hydrocarbons Whole Oil Analysis (Product)	2 × 40-mL vials, hard top, Teflon-lined caps	Cool to ≤4°C	N/A
SVOCs, PAHs			
Full list SVOCs, including 1MN, 2MN, N, and PAHs	2 × 1-L amber glass, Teflon-lined lid	Cool to ≤6°C	7 days / 40 days ^a
Fuel Additives			
2-(2-Methoxyethoxy)-ethanol	2 × 1-L amber glass, Teflon-lined lid	Cool to ≤6°C	7 days / 40 days ^a
Lead Scavengers			
1,2-Dibromoethane	2 × 40-mL vials, Teflon-lined septum caps	No headspace, cool to ≤6°C	7 days
1,2-Dichloroethane	2 × 40-mL vials, Teflon-lined septum caps	No headspace, cool to ≤6°C, and adjust to pH <2 with H ₂ SO ₄ , HCl, or solid NaHSO ₄	Maximum holding time is 7 days if pH >2 or 14 days if pH <2
Natural Attenuation Parameters			
Methane	2 × 40-mL vials, Teflon-lined septum caps	No headspace, cool to ≤6°C, and adjust to pH <2 with HCl or H ₂ SO ₄	Maximum holding time is 7 days if pH >2 or 14 days if pH <2

Parameter	Number/Type of Containers per Sample	Preservative	Holding Time
Ferrous iron	2 × 250-mL brown plastic	Field filtered, no headspace, cool to ≤6°C, HCl to pH <2	7 days
Chloride, sulfate, nitrate	1 × 250 mL plastic	Cool to ≤6°C	28 days (nitrate 48 hours)
Nitrate-nitrite	1 × 250 mL plastic	Cool to ≤6°C, H ₂ SO ₄ to pH <2	28 days
Total Organic Carbon			
Total Organic Carbon	3 × 40-mL amber VOA vials, Teflon-lined lid or 2 × 250-mL amber glass, Teflon-lined lid	Cool to ≤6°C and adjust to pH <2 with H ₂ SO ₄ or H ₃ PO ₄	28 days
Metals			
Total and Dissolved Lead	2 × 250-mL HDPE containers	Cool to ≤6°C and adjust to pH <2 with HNO ₃	180 days
Ethanol			
2-(2-Butoxyethoxy) ethanol	2 × 40-mL VOA vials w/ HCl, Teflon-lined septum caps	No headspace, cool to ≤6°C and adjust to pH <2 with HCl	14 days

°C degree Celsius

H₂SO₄ sulfuric acid

H₃PO₄ phosphoric acid

HCl hydrochloric acid

HDPE high-density polyethylene

HNO₃ nitric acid

L liter

mL milliliter

N/A not applicable (holding times not provided)

NaHSO₄ sodium hydrogen sulfate

VOA volatile organic analysis

^a x days / y days = x days from sample collection to extraction / y days for analysis of extracts following extraction

6.2 Chain of Custody

Chain-of-custody documentation was maintained for samples during all phases of sample collection, transport, and receipt and internal transfer within the laboratory.

6.3 Laboratory Analytical Methods and Analyses

Soil vapor and groundwater samples were analyzed for the analytes specified in the following subsections using the following tests and analytical methods:

- Soil vapor:

- Total VOCs by Methods TO-3 and TO-15 (below-tank samples)
- TPH-g by Method TO-3 (Adit 3 samples)
- BTEX, N, 1MN, and 2MN by Method TO-15 (Adit 3 samples)
- Oxygen, carbon dioxide, methane, and helium by Method 3C (Adit 3 samples)
- Groundwater:
 - TPH-d and TPH-o by Method 8015, including 3510 extraction
 - TPH-g by Method 8260 or 8015
 - VOCs by Method 8260
 - SVOCs (including N, 1MN, and 2MN) by Method 8270
 - PAHs by Method 8270 with SIM
 - TOC by Method 9060A
 - Methane by Method 8015 or RSK-175
 - Lead scavengers by Methods 8011 and 8260
 - Total and dissolved lead by Method 6020
 - Ferrous iron by Standard Method 3500-Fe
 - Anions (nitrate as nitrogen, sulfate, and chloride) by EPA Method 300.0
 - Nitrate-nitrite as nitrogen by EPA Method 353.2
 - Alkalinity (total, bicarbonate, and carbonate) by SM2320B

6.3.1 Soil Vapor Analyses

Passivated canister samples collected from below the tanks were analyzed for VOCs by Method TO-15; total VOCs (C5–C12) by Method TO-3; and oxygen, carbon dioxide, and methane by ASTM D1946.

Adit 3 passivated canister samples were analyzed for TPH-g (C4–C12 and C4–C14) by Method TO-3; VOCs by Method TO-15; and oxygen, carbon dioxide, methane, and helium by Method 3C.

6.3.2 NOI Well Groundwater Analyses

NOI groundwater samples were analyzed for the following, some of which are listed as site cleanup criteria in Hawai‘i Administrative Rules Section 11280.1-65.3:

- TPH-g, TPH-d, and TPH-o
- Lead scavengers
- Total and dissolved lead
- “Full suite” of VOCs including BTEX

- “Full suite” of semivolatile organic compounds (SVOCs) (including N, 1MN, and 2MN)
- PAHs
- Total organic carbon (TOC)
- Methane

For those samples in which TPH-d or TPH-o were detected, the sample was extracted and analyzed again for TPH-d and TPH-o using silica gel cleanup (SGC) to quantify the amount of non-polar hydrocarbons compared to total (polar and non-polar) components in those carbon ranges. As described in the DOH *Technical Guidance Manual* (DOH 2021c), SGC can help evaluate whether TPH is related to fresh petroleum or other sources and can also be used to better understand the amount of natural degradation that is taking place in a particular location.

The analyses for this reporting period were conducted by Eurofins Seattle. Eurofins Seattle is accredited under the DoD Environmental Laboratory Accreditation Program for the analyses performed.

6.3.3 Delineation Well Groundwater Analyses

The delineation well groundwater samples were analyzed for BTEX, TPH-g, TPH-d, TPH-o, N, 1MN, and 2MN. Initial sampling of each well also included analysis of natural attenuation parameters (NAPs) (alkalinity, bicarbonate alkalinity as calcium carbonate [CaCO₃], carbonate alkalinity as CaCO₃, nitrate as nitrogen, nitrate-nitrite as nitrogen, chloride, sulfate, methane, ferrous iron, and TOC). The analytical testing was conducted by Eurofins Seattle and its sister facility in Arvada, Colorado. The data obtained will be evaluated to determine future sampling requirements.

6.3.4 Sentinel Well Groundwater Analyses

The NMW24 sentinel well groundwater samples were analyzed for BTEX, TPH-g, TPH-d, TPH-o, N, 1MN, 2MN, and NAPs. The analytical testing was conducted by Eurofins Seattle and its sister facility in Arvada, Colorado. The data obtained will be evaluated to determine future sampling requirements.

6.3.5 Adit 3 Sump Water Analyses

Adit 3 Sump water samples were analyzed for the same parameters as the NOI groundwater samples as described in Section 6.3.2. The analyses for this reporting period were conducted by Eurofins Seattle. Eurofins Seattle is accredited under the DoD Environmental Laboratory Accreditation Program for the analyses performed.

7.0 Field Observations During Sampling

Field observations recorded during the soil vapor and groundwater sampling activities this reporting period are described below.

7.1 *Soil Vapor Monitoring Observations*

During this reporting period, NOI soil vapor monitoring was conducted weekly at the below-tank SVMPs and monthly plus additional out-of-frequency monitoring at the subslab and shallow SVMPs installed in the tunnel system by Adit 3 near Red Hill Shaft (see Section 5.1). No vapor monitoring was conducted at the Tank 15 SVMPs on February 7, 2023 because access to the SVMPs was blocked by temporary equipment at that time (see Section 5.1.1).

Three Adit 3 subslab SVMPs (A3-075, A3-125, and A3-225) have been consistently poor vapor producers, with sampling results designated as “tight” to indicate vacuum is pulled when sampling and readings could not be obtained potentially due to low-permeability soil directly underneath the tunnel floor.

7.2 *Free Product Gauging and Groundwater Monitoring Well Headspace Observations*

A summary of free product gauging and groundwater monitoring well headspace measurements is provided in Appendix B.2. No free product was observed during the reporting period in any groundwater monitoring well during any sampling event, regardless of the detection method used (either oil/water interface probe or bailer). RHMW12A, RHMW16, OWDFMW01, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A have submerged well screens. RHMW11, RHMW13, RHMW14, and RHMW15 are closed systems with sampling ports below the water level surface. LNAPL would likely not be able to enter these wells, and field checks verified that free product was not present in the samples from these wells.

NOI groundwater monitoring well headspace concentrations were generally low. No free product was detected. Readings were 7.6 ppmv or less and occurred only occasionally throughout this reporting period with the exception of OWDFMW08A, which had readings of 21.2 and 16.4 ppmv. All other headspace readings at OWDFMW08A were less than 1 ppmv.

For delineation wells installed in the vicinity of Red Hill Shaft, headspace readings were generally 0.0 ppmv with some occasional readings of 2.2 ppmv or less.

Headspace readings at sentinel well NMW24 were generally 0.0 ppmv, with one reading of 2.2 ppmv.

7.3 *Groundwater Sampling Observations*

The following observations were noted during NOI groundwater sampling this reporting period:

- The water from RHMW05 was observed as light brown with sediment during most sampling events. No odors were observed at RHMW05.
- Organic or sulfurous odors were observed intermittently at RHMW01R.
- Flocculants and an organic odor were observed during most sampling events at RHMW02.
- A decaying organic odor was noted during most sampling events at RHMW11.

- A sulfurous odor was observed during several sampling events at RHMW03.
- An organic odor was observed intermittently at RHMW2254-01.

8.0 Data Quality

Field and laboratory QC measures implemented during this reporting period are described below. When applicable, corrective actions were implemented when control limits for field or laboratory QC measurements were not met. Results are reported in the associated laboratory and data validation reports (Appendix C and Appendix D).

8.1 Laboratory Quality Control

The following laboratory QC samples were collected and analyzed.

8.1.1 Soil Vapor Samples

Laboratory QC samples included method blank, laboratory control sample (LCS), and laboratory control sample duplicate (LCSD) analyses.

8.1.2 Groundwater Samples

Laboratory QC samples included method blanks, LCSs/LCSDs, matrix spikes/matrix spike duplicates (MSs/MSDs), and duplicates, as described in the DoD *Quality Systems Manual Version 5.4* (DoD and DOE 2021) and the AOC *Red Hill Sampling and Analysis Plan Addendum 01* (DON 2017d).

8.2 Field Quality Control

8.2.1 Soil Vapor Samples

For the Adit 3 tunnel sampling, field QC samples included field duplicates. In addition, helium was used as a leak tracer during sample collection.

8.2.2 Groundwater Samples

Field QC samples for groundwater including trip blanks and equipment rinsates were collected according to procedures described in NAVFAC Pacific Environmental Restoration Program Project Procedure III-B, *Field QC Samples* (Water, Soil) (DON 2015). Field QC samples are listed in Table 8-1.

Table 8-1: Measurement Performance Criteria – Field QC Samples

QC Sample	Analytical Group ^a	Frequency ^b	DQI	Measurement Performance Criteria
Field duplicate	VOCs, TPH-g, TPH-d, TPH-o, PAHs, SVOCs	10% of primary samples collected per matrix per analytical method	Field sampling precision	RPD \leq 50% water ^c
Trip blank	VOCs, TPH-g, methane, lead scavengers	At minimum, one per cooler containing VOCs, TPH-g, methane, or lead scavenger samples	Contamination during sample transport	\leq 1/2 of LOQ
Non-Program Required Field QC				
Field blank	PAHs, SVOCs, VOCs	1–2 per week; evaluate decontamination water	Adequacy of the decontamination water quality or potential for contamination due to field conditions	\leq 1/2 of LOQ
Equipment blank ^d	PAHs, SVOCs	2–4 per week	Adequacy of the decontamination process	\leq 1/2 of LOQ

% percent

DQI data quality indicator

LOQ limit of quantitation

RPD relative percent difference

^a See Section 6.0 for the list of analytes within analytical groups.

^b Per Project Procedures Manual Procedure III-B, Field QC Samples (DON 2015); see Procedure III-B, Section 5 for a summary of QC samples by project location, matrix, and analytical group.

^c Per Project Procedures Manual Section II, *Data Validation Procedures* (DON 2015).

^d As all monitoring locations have dedicated bladder pumps and dedicated bailers, no reusable sampling equipment is used; thus, equipment blank was collected as necessary.

In addition, because unexpected detections of phthalate and PAH compounds had previously been observed in the data set, collection of extra field blanks and equipment blanks was added for PAHs and SVOCs beginning the week of March 7, 2022. Field blanks were collected by pouring decontamination water directly into the sample bottles, and equipment blanks were collected by pouring decontamination water over the water level indicator and collecting the rinsate into sample bottles.

8.3 Data Quality Assessment

The objective of data validation is to provide data of known quality for project decisions. Data quality is judged in terms of precision, accuracy, representativeness, comparability, completeness,

and sensitivity. The analytical laboratory data for the groundwater sampling events were submitted to a third-party data validator, ESI (Environmental Standards, Inc.) or EDS (Environmental Data Services, Ltd.), for data validation and assessment. The following summary includes results provided during this reporting period that completed full data validation. Samples not meeting the acceptance criteria were qualified with a flag indicating a deficiency in the data. Groundwater and sump water data with validation qualifiers and reason codes are available in the Red Hill EDMS (see Appendix E - Data Validation Qualifier Tables).

8.3.1 Precision

Precision is defined as the reproducibility of replicate measurements. Precision is evaluated by the relative percent difference (RPD) of field duplicates (FD), LCS/LCSD, MS/MSD, and laboratory duplicate results. Field duplicate and MS/MSD samples were collected at a rate of approximately 10 percent of primary samples. Field duplicates were sent to the laboratory along with the primary samples.

An RPD outside the numerical QC limit in MS/MSD samples, LCS/LCSDs, or FDs indicates imprecision. Imprecision is the variance in the consistency with which the laboratory arrives at a particular reported result. Thus, the actual analyte concentration may be higher or lower than the reported result.

Possible causes of poor precision include sample matrix interference, improper sample collection or handling, inconsistent sample preparation, and poor instrument stability. In some duplicates, results maybe reported in either the primary or duplicate samples at levels below the limit of quantitation (LOQ) or non-detected. Since these values are considered to be estimates, RPD exceedances from these duplicate sets do not suggest a significant impact on the data quality.

The following exceptions to the NOI groundwater and sump water RPD performance criterion of $\leq 20\%$ were reported during data validation:

- Thirteen PAH samples were qualified as estimate.
- Six TPH-d samples and three TPH-o samples were qualified as estimate.
- Three lead samples were qualified as estimate.
- Two SVOC samples were qualified as estimate.
- One methane sample was qualified as estimate.

The following exceptions to the delineation well groundwater RPDs meeting the measurement performance criterion were reported during data validation:

- December 23, 2022: The results for TPH-d at RHP03 at RHP04B were flagged as estimated (J) due to a high RPD between the LCS and LCS duplicate.

8.3.2 Accuracy

Accuracy is defined as the degree of conformity of a measurement to a standard or true value. Accuracy is evaluated through measurement of the percent recovery (%R) of an analyte in a reference standard or spiked sample. Accuracy also encompasses the percent difference (%D) between the initial calibration verification (ICV) and the continuing calibration verification (CCV). Accuracy limits for internal standards, surrogates, LCS, MS, and MSD samples are either prescribed by the DoD or established by the individual laboratory.

Initial and continuing calibration results provide a means of evaluating accuracy within a particular sample delivery group (SDG). Relative response factor (RRF), percent relative standard deviation (%RSD), and percent difference (%D) are the three major parameters used to measure the effectiveness of instrument calibration. RRF is a measure of the relative spectral response of an analyte compared to its internal standard. %RSD is an expression of the linearity of instrument response. %D is a comparison of a continuing calibration instrumental response with its initial response. %RSD and %D exceedances suggest routine instrumental anomalies, which typically impact all sample results for the affected compounds.

The acceptance criteria for accuracy are dependent on the analytical method and based on historical laboratory or DoD data.

The following NOI groundwater and sump water data were qualified during the reporting period:

- Of 15,217 VOC results, 245 were qualified as estimate because of QC samples recovering outside the acceptance limit or the %D for the initial CCV exceeding control limits.
- Of 13,655 SVOC results, 874 primary and 74 field duplicate results were qualified as estimate due to the %D for the initial and closing CCV exceeding the control limits or QC samples recovering outside the acceptance limit.
- Of 5,832 PAH results, 90 results were qualified as estimate, and 9 detected results were qualified as estimate, biased low (J-) because of the QC samples recovering outside the acceptance limit, the internal standard area count exceeding acceptance limits, or due to the %D for the initial CCV exceeding the control limits.
- Of 646 TPH-d/o results, 11 TPH-d results were qualified as estimate and one detected result was qualified as estimate-biased high (J+) because of a QC sample recovering outside the acceptance limit, and 14 TPH-o detected results were qualified as estimate due to QC samples recovering outside the acceptance limit.
- Of 584 lead results, 14 were qualified as estimate due to negative instrument bias in the instrument blank, and one lead result was qualified as estimate due to QC samples recovering outside the acceptance limits.
- Of 318 TPH-g results, 19 were qualified as estimate due to either the QC samples recovering outside the acceptance limit, the internal standard area count exceeding acceptance limits, or due to the %D for the initial CCV exceeding the control limits.

- Of 292 1,2-dibromoethane results, 22 were qualified as estimate because of the QC sample recovering outside the acceptance limit or the %D for the initial CCV exceeding control limits.

The following delineation and sentinel well data were qualified during the reporting period:

- The non-detect xylene result for the December 13, 2022 NMW24 sample was flagged as estimated (UJ) due to a CCV %D above the acceptance limit.
- The non-detect BTEX results for the December 21, 2022 RHP05 sample were flagged as estimated (UJ) due to CCV %Ds above the acceptance limit.
- Non-detect TPH-g results for RHP03, RHP04B, and RHP05 collected December 21, 22, and 23, 2022 were flagged as estimated (UJ) due to CCV %Ds above the acceptance limit.
- Results for TPH-d and TPH-o in the December 22, 2022 samples from RHP01 were flagged as estimated (J) due to low LCS recoveries.
- The results for TPH-d and/or TPH-o in multiple RHP02 and NMW24 samples from December 22, 2022 to March 1, 2023 were flagged as estimated (UJ or J-) due to surrogate recoveries below the acceptance criteria.
- The TPH-o result for the January 27, 2023 RHP04B was flagged as estimated with a high bias (J+) due to a high LCS recovery.
- The non-detect results for N, 1-MN, and 2-MN in samples from RHP04B, RHP05, and NMW24 collected February 22, March 1, and March 17, 2023 were flagged as estimated (UJ) due to surrogate recoveries outside of the acceptance criteria.

Absence of headspace ensured that results for TPH-g, full suite VOCs, lead scavengers, and methane were not subjected to VOC loss. During this reporting period, the following results were qualified due to significant headspace (>6 millimeters):

- Three not-detected methane results in NOI or delineation well samples were qualified as estimate due to headspace observed in the sample.

Rejected data occurred due to significant deficiencies in meeting the published method and project QC criteria. The presence or absence of the compound cannot be supported by the data provided. The following results that were impacted include:

- 439 primary and 46 field duplicate samples for SVOCs were rejected either due to QC samples recovering significantly outside the acceptance limit or the %D for the initial or closing CCV significantly exceeding control limits.
- Nine primary and two field duplicate samples for VOCs were rejected due to QC samples recovering significantly outside the acceptance limit or the %D for the initial or closing CCV significantly exceeding control limits.

- Six TPH-g results were also rejected due to the %D for initial CCV significantly exceeding control limits.
- One TPH-d result and two TPH-o results were rejected due to QC samples recovering significantly outside the acceptance limit or due to the %D for initial CCV significantly exceeding control limits.

8.3.3 Representativeness

Representativeness is the degree to which data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness can be supported by using regulator-approved, industry-standard sampling and analysis protocols that were developed to address a specific data quality objective of the sampled medium.

During the NOI sampling rounds for this reporting period:

- Groundwater samples were collected in accordance with procedures described in the DOH-approved AOC Statement of Work Sections 6 and 7, Work Plan/Scope of Work (DON 2017a) and the associated project Sampling and Analysis Plan and addenda (DON 2017b; 2017c; 2017d), including standardized sample collection methods identified in NAVFAC Pacific Environmental Restoration Program Project Procedure I-C-3, Monitoring Well Sampling (DON 2015):
 - This procedure outlines collection of groundwater samples from a specific depth directly beneath the water table using a low-flow pumping strategy. Samples consist generally of dissolved constituents within the aquifer; the samples will not collect LNAPL or compounds in the LNAPL/groundwater interface (if one existed).
 - Results from these samples represent groundwater from one depth, below the water table.
- Groundwater samples from wells that are screened across the water table were collected with a bailer, based on DOH's request:¹
 - Sampling with a bailer was requested to collect water at the groundwater/air interface along with any potential LNAPL that may be present. Sampling with a bailer may introduce air and turbulence to the sample, which may volatilize VOCs in the groundwater matrix. The bailer technique is also less repeatable and therefore adds a degree of variability into the results, which may be less representative of actual conditions at the water table.
 - In addition, DOH requested no purging be associated with this method; therefore, the methodology is likely to be affected by any localized equilibrium within the well and filter pack, and the results may not represent water flowing through the aquifer.

¹ Email from L. Galvez, DOH-HEER, to S. Eng, Navy Region Hawaii; May 28, 2021.

- This methodology is contrary to the DOH TGM (DOH 2021c), which “recommends that low-flow purging and sampling approaches be utilized whenever feasible in order to improve the representativeness of the sample data.”

Samples were collected at RHMW2254-01 using both a bailer and low-flow pump. The results are presented in Appendix B.4, and TPH-d and TPH-o data are summarized in Table 8-2. As shown in the table, both bailer and low-flow samples were not detected for TPH-d and TPH-o. Previous Quarterly RRRs with TPH-d and TPH-o detected results indicated that the bailer sampling methodology resulted in higher reported concentrations, particularly in the TPH-o analyses. The DOH TGM (DOH 2021c) states that the low-flow sampling results after purging are more “representative of water in the surrounding [aquifer] formation.”

Table 8-2: Comparison of TPH-d and TPH-o Results at RHMW2254-01 – Bailer vs. Low-Flow Pump SOPs

Sample Date	TPH-d (µg/L)			TPH-o (µg/L)		
	Bailer	Low-Flow Pump	RPD (%)	Bailer	Low-Flow Pump	RPD (%)
11/8/2022	100 U	100 U	—	310 U	310 U	—
11/10/2022	340	100 U	—	740	310 U	—
11/15/2022	350	100 U	—	560	300 U	—
11/17/2022	78 J	100 U	—	310 U	300 U	—
11/20/2022	100 U	100 U	—	300 U	300 U	—
12/1/2022	100 U	100 U	—	300 U	300 U	—
12/15/2022	100 U	100 U	—	310 U	310 U	—
12/21/2022	100 U	100 U	—	310 U	310 U	—
12/29/2022	100 U	100 U	—	310 U	300 U	—
1/11/2023	66 J	100 U	—	300 U	300 UJ	—
1/18/2023	94 J	100 U	—	190 J	300 U	—
1/26/2023	100 U	100 U	—	310 U	300 U	—
2/15/2023	100 UJ	100 U	—	300 UJ	300 U	—
2/22/2023	110 U	100 U	—	320 U	310 U	—
3/1/2023	100 U	100 U	—	310 U	300 U	—

Notes:

Bold indicates detected results above the detection limit.

— not calculable due to non-detect result

% percent

µg/L micrograms per liter

J estimated concentration

N/A not applicable

RPD relative percent difference

SOP standard operating procedure

U not detected above the detection limit

During the delineation well sampling rounds, groundwater samples were collected in accordance with standardized sample collection methods identified in NAVFAC Pacific Environmental Restoration Program Project Procedure I-C-3, *Monitoring Well Sampling* (DON 2015):

- This procedure outlines collection of groundwater samples from a specific depth directly beneath the water table using a low-flow pumping strategy. Samples consist generally of dissolved constituents within the aquifer and will not collect LNAPL or compounds in the LNAPL/groundwater interface (if one existed). However, visual checks and oil/water interface measurements indicate that no LNAPL was present when these wells were sampled.
- Results from these samples represent groundwater from one depth below the water table.

Sampling of sentinel well NMW24 was initially conducted using a bailer without purging the well, similar to the procedure used for NOI wells screened across the water table. The bailer technique is less repeatable and therefore adds a degree of variability into the results, which may be less representative of actual conditions at the water table. Sampling without purging is likely to be affected by any localized equilibrium within the well and filter pack, and the results may not represent water flowing through the aquifer. Beginning in March 2023, sentinel well sampling was conducted from beneath the water table using a low-flow pumping strategy, in accordance with recommendations in the TGM, similar to the delineation wells.

Representativeness is also evaluated through compliance with the method-recommended sample holding time and sample preservation methods and through the analysis of blank samples, including method blank, equipment blank, field blank, and trip blank samples (DoD 2021). All sample holding times, sample preservation, and any impacts of associated blank contamination have been evaluated in accordance with EPA SW-846 method recommendations and DoD *Quality Systems Manual Version 5.4* (DoD and DOE 2021) during validation.

The following detected sampling results were reported below the limit of detection (LOD) and were qualified as not detected (U) at the LOD due to field, equipment, or trip blank contamination:

- The TPH-d result for the December 22, 2022 sample from NMW24 was qualified as not detected (U) due to contamination in the associated field blank.
- 65 VOC, 22 SVOC, 11 lead, 4 PAH, 3 methane, and 3 TPH-d detected groundwater and sump water results were qualified not detected (U) due to contamination in field, equipment, or trip blanks.

The following detected results reported above the LOD and less than or equal to five times the blank contamination, were flagged due to field, equipment, or trip blank contamination:

- 1 PAH detected result was flagged as estimated, bias high (J+) due to contamination in the equipment blank.

- 1 TPH-d detected result was flagged as estimated, bias high (J+) due to contamination in the method blank. 1 TPH-d detected results was qualified as estimated, bias low (J-) not detected due to contamination found in blank samples.
- 1 VOC detected result was flagged as estimated, bias high (J+) due to contamination in the method blank

Pending validation, detections in the field blanks and equipment blanks are summarized to aid in discussion of the analytical results. Field blank and equipment blank detections with final results are available in the data validation table available through the Red Hill EDMS (Appendix E - Data Validation Qualifier Tables).

All samples were associated with laboratory calibration, preparation, or extraction blanks. The following detected sampling results were reported below the LOD and were qualified as not detected (U) at the LOD due to laboratory calibration, preparation, or extraction blank contamination:

- TPH-d: a January 18, 2023 sample from NMW24 was qualified as not detected (U) due to contamination in the associated extraction blank.
- TPH-o: a December 23, 2022 sample from RHP04B was qualified as not detected (U) due to contamination in the associated extraction blank.
- 18 lead, 12 TPH-d and TPH-o, 7 SVOC, and 3 VOC results for NOI groundwater and sump water were qualified as estimate due to laboratory calibration, preparation, or extraction blank contamination.

The following NOI groundwater and sump water results were flagged for the specified methods due to samples being extracted or analyzed beyond the method-recommended holding times:

- 302 SVOC not detected results were flagged as estimated due to sample analysis occurring beyond the method recommended holding time.
- 4 TPH-d and 4 TPH-o results were rejected due to samples prepared beyond the method recommended hold times. 26 TPH-d and 27 TPH-o results were flagged as estimated due to samples prepared beyond the method recommended holding times.
- 20 1,2-dibromoethane not detected results were flagged as estimated due to sample analysis occurring beyond the method recommended holding time.
- 8 TPH-g not detected results were flagged as estimated due to sample analysis occurring beyond the method recommended holding time.

In addition, the following delineation and sentinel well sampling results were qualified for the specified methods due to samples being extracted or analyzed beyond the method-recommended holding times:

- The non-detect result for ferrous iron was rejected (R) for the December 21, 2022 RHP05 sample due to analysis significantly ($>2x$) beyond the holding time. The results are not usable.
- The result for nitrate in the December 21, 2022 sample from RHP05 was qualified as estimated with a low bias (J-) due to analysis beyond the holding time.
- Non-detect results for TPH-d/o were rejected (R) for the December 22 and 23, 2022 RHP02 and RHP04A samples due to extraction significantly ($>2x$) beyond the 7-day holding time. The results are not usable.
- The non-detect results for TPH-d/o in six samples from December 21, 2022 to March 17, 2023 were qualified as estimated (UJ) due to extraction beyond the 7-day holding time.
- The non-detect results for BTEX in the parent and field duplicate from RHP03 collected December 22, 2022 were qualified as estimated (UJ) due to analysis beyond the 14-day holding time.
- The results for nitrate and ferrous iron in the March 13 and 29, 2023 samples from RHP04C were qualified as estimated with a low bias (J-) due to analysis beyond the holding time.

No other representativeness concerns were identified during validation of the sample results.

8.3.4 Completeness

Completeness is defined as the overall percentage of valid analytical results (including estimated results) compared to the total number of analytical results reported by the analytical laboratory.

Validated data provided during the reporting period included five results that were rejected due to exceedances of holding times. Based on the frequency of sampling and the quantity of data collected, the loss of these data points does not constitute a significant data gap for the sampling events. The completeness of the data (99 percent) met the 90 percent completeness goal.

8.3.5 Comparability

Comparability expresses the confidence with which one data set can be compared to another. Comparability can be related to accuracy and precision because these quantities are measures of data reliability. Data with acceptable precision and accuracy are considered comparable if collection techniques, analytical procedures, methods, and reporting are equivalent.

The laboratories used standard analytical methods for all analyses. In all cases, the detection limits and LODs attained were below the specified limits of quantitation (LOQs). Target analytes detected below the LOQs flagged (J) by the laboratory are considered estimated. The data presented can be compared to and evaluated against regulatory standards as required for this report.

adjustment by the laboratory due to matrix interference or when high levels of target analytes necessitate dilution before analysis. Matrix interference and sample dilutions decrease sensitivity and increase the LOQs/LODs. No results in this data set had increased LOQs or LODs that impacted sensitivity and data usability.

8.4 Conclusions

The precision, accuracy, representativeness, comparability, completeness, and sensitivity criteria were evaluated by Environmental Standards, Inc. in Valley Forge, Pennsylvania, and Environmental Data Services, Ltd. in Pittsburgh, Pennsylvania, the project third-party data validators for NOI, delineation, and sentinel wells. Complete validation reports received to date are listed in Appendix D.

Groundwater sample analysis and third-party data validation are ongoing and pending completion for a number of samples collected during this reporting period; these pending sample results will be included in the next Quarterly RRR. Laboratory and field data quality will be fully assessed pending availability of additional laboratory and third-party data validation reports.

The third-party data assessment for the provided data concluded that all data generated during the sampling events reported herein are usable for the intended purpose with the limitations described above.

9.0 Analytical Results

Analytical results for soil vapor and groundwater samples collected during this reporting period are presented below, along with the results of free product gauging and headspace measurements performed as part of the NOI groundwater sampling. No soil samples associated with monitoring well installation were collected during this reporting period.

9.1 Soil Vapor Analytical Results

9.1.1 Below-Tank Sampling Locations

AOC soil vapor measurements collected below the fuel storage tanks since January 2014 are charted in Appendix A.1, NOI soil vapor measurements collected since May 2021 are tabulated in Appendix A.2, and NOI chromatograms for passivated canister samples collected below Tanks 15, 17, 18, and 20 since May 2021 are presented in Appendix A.3. Soil vapor analytical data reports for passivated canister samples collected below the fuel storage tanks are indexed in Appendix C.

Laboratory results for below-tank SVMPs during this reporting period are consistent with recent monitoring periods. The cumulative results are consistent with natural attenuation and weathering of LNAPL in the environment, indicating that the impacts from the May 2021 Release have dissipated.

9.1.2 Adit 3 Tunnel Sampling Locations

During this reporting period, SVMPs in the Adit 3 Tunnel were monitored monthly and during nine additional out-of-frequency monitoring conducted after rainfall events of greater than 1 inch within a 24-hour period. Figure 9 shows the results of soil vapor monitoring from subslab and shallow SVMPs installed in the floor of the Adit 3 and Pearl Harbor Tunnels since December 17, 2021. As shown on the figure, the results showed fluctuations over time around an overall decrease in concentrations measured since the commencement of monitoring in December 2021.

For this reporting period, validated laboratory results are available for three monthly sampling events (i.e., December 2022, January 2023, and February 2023). For each of these sampling events, passivated canister samples were collected from 17 subslab and deep SVMP locations with field duplicate samples collected from two of these locations. The results for these 57 samples (including the six field duplicates) are summarized as follows:

- **Fixed Gas Results:** Oxygen concentrations ranged from 6.8% to 23%. Carbon dioxide concentrations ranged from non-detect (<0.15%) to 8.3%. Methane was non-detect (<0.1% to <0.2%) in all samples.
- **Total VOCs by TO-3:** For the December 2022 sample event, total VOC concentrations were reported for the carbon range C4–C12; for the January and February 2023 samples events, total VOC concentrations were reported for two carbon ranges (C4–C12 and C4–C14). Detectable concentrations of total VOCs were found in all samples with C4–C14 concentrations ranging from 110 $\mu\text{g}/\text{m}^3$ to 820,000 $\mu\text{g}/\text{m}^3$ and C4–C12 concentrations ranging from 270 $\mu\text{g}/\text{m}^3$ to 840,000 $\mu\text{g}/\text{m}^3$. When concentrations were reported for both carbon ranges, the C4–C14 concentrations were 2% to 166% greater than C4–C12 with a median value of 40% greater for C4–C14.
- **Individual Petroleum VOCs by TO-15:** For the December 2022 sample event, concentrations were reported for benzene, ethylbenzene, naphthalene, toluene, m,p-xylenes, and o-xylene; for the January and February 2023 samples events, the analyte list is provided in Table 9-1. As shown, the concentrations of individual VOCs ranged from non-detect to 580 $\mu\text{g}/\text{m}^3$.

Table 9-1: Summary of Soil Vapor VOC Results for Adit 3 Tunnel Sample Locations

Analyte	Number of Detections (Total Samples)	Maximum Concentration ($\mu\text{g}/\text{m}^3$)
1,2,4-Trimethylbenzene	13 (38)	450
1,3,5-Trimethylbenzene	11 (38)	150
1,3-Butadiene	0 (38)	ND
2,2,4-Trimethylpentane	4 (38)	39
2-Butanone (MEK)	15 (38)	10
2-Hexanone	0 (38)	ND
2-Methylpropane	17 (38)	47
4-Ethyltoluene	1 (38)	22
4-Methyl-2-pentanone (MIBK)	0 (38)	ND
Acetone	34 (38)	410
Benzene	6 (57)	24
Carbon disulfide	5 (38)	3.5
Cumene	1 (38)	5.3
Cyclohexane	3 (38)	7.4
Ethyl acetate	0 (38)	ND
Ethylbenzene	15 (57)	49
m,p-Xylene	28 (57)	170
Methyl tert-butyl ether (MTBE)	0 (38)	ND
Naphthalene	19 (57)	370
n-Heptane	2 (38)	5.8
n-Hexane	9 (38)	11
n-Propylbenzene	5 (38)	16
o-Xylene	22 (57)	61
p-Cymene (p-Isopropyltoluene)	2 (38)	30
Propylene	5 (38)	14
sec-Butylbenzene	5 (38)	20
Styrene	0 (38)	ND
Toluene	23 (57)	580
Vinyl acetate	0 (38)	ND

9.2 Free Product Gauging and Headspace Measurements at Groundwater Monitoring Wells

Free product gauging results and headspace measurements collected through April 17, 2023 are presented in Appendix B.2. Free product was not detected at any monitoring location.

9.3 Groundwater and Adit 3 Sump Water Analytical Results

Groundwater samples were analyzed for the parameters and methods described in Section 6.0. Appendix B.1 provides a summary of samples collected, laboratory analytical methods, and status of SDG reports. The sampling events covered in this report include data that have been validated within this reporting period; i.e., those for which Level II and Level IV data packages have been issued and validated. Appendix B.4 provides cumulative groundwater monitoring well results compared to the EALs for each analyte group. Additionally, TPH groundwater results collected during this reporting period for the NOI, delineation, and sentinel wells and Adit 3 Sump water are graphically displayed over time in Appendix B.4.5. Final Level II and IV analytical reports and data validation reports are indexed in Appendix D.

Sampling procedures and analyses conducted vary between sampling programs, as described in Sections 5.3 and 6.3; therefore, the analytical results are reported separately in Sections 9.3.1 through 9.3.4 below.

9.3.1 NOI Groundwater Analytical Results

Summary statistics for all NOI groundwater samples includes all sample results validated during this reporting period regardless of sample collection date, as described below and presented in Table 9-2.

Three hydrocarbon ranges were analyzed as COPCs, including gasoline, diesel, and oil range hydrocarbons, which are representative of gasoline, middle distillates (kerosene, jet, and diesel fuels), and heavy oils (motor oil), respectively.

9.3.1.1 TPH-g

TPH-g was detected once at RHMW01R and twice at RHMW02. The three detections were in the 37 J to 45 µg/L range, well below the reporting limit (80 µg/L), and are likely laboratory artifacts. No EAL exceedances were reported.

9.3.1.2 TPH-d

TPH-d EAL exceedances in NOI monitoring well samples collected during the reporting period are summarized in Table 9-2, and TPH-d detections are depicted on Figure 10.

TPD-d exceedances were reported at in-tunnel well RHMW02 (which consistently exceeds EALs) and RHMW03. The maximum detected concentration for TPH-d from the in-tunnel wells is at RHMW02 (2,700 µg/L). TPH-d was detected at in-tunnel wells RHMW01R, RHMW02, RHMW03, RHMW05, and RHMW2254-01; outlying wells RHMW04, RHMW06, RHMW08, RHMW09, RHMW12A, RHMW16, RHMW17, RHMW19; outlying multi-level wells RHMW11-05, RHMW14-03, and RHMW15-05; and Oily Waste wells except for OWDFMW05A. The maximum TPH-d detection in the outlying wells was 350 µg/L, with most detections below 100 µg/L.

Table 9-2. Summary of Analytical Groundwater Results Received During the Current Reporting Period (2/4/2023 to 4/17/2023)

Chemical of Concern	CAS	Method	Units	Number of Samples ^{a, b, c, d}	Number of Non-Detects	Number of Detects	Detection Frequency	Minimum Detected Value		Maximum Detected Value		Location of Minimum Detect ²	Location of Maximum Detect ²	Project Screening Criteria		
								Value ¹	Qualifier	Value ¹	Qualifier			Criteria	Number of Exceedances	Exceedance Frequency
TPH and Fuel Related Compounds																
TPH-g (Eurofins Labs)	PHCC6C10	8260	µg/L	300	297	3	1.0%	37	J	45	J	RHMMW02	RHMMW02	300	0	0.0%
TPH-d (Eurofins Labs)	PHCC10C24	8015DM	µg/L	304	224	80	26.3%	66	J	2700		RHMMW2254-01	RHMMW02	400	14	4.6%
TPH-d (Eurofins Labs) with Silica Gel Cleanup	PHCC10C24SGC	8015DM	µg/L	86	61	25	29.1%	53	J	1600		RHMMW08	RHMMW02	—	0	0.0%
TPH-o (Eurofins Labs)	PHCC24C40	8015DM	µg/L	304	261	43	14.1%	180	J	740		RHMMW05	RHMMW2254-01	500	3	1.0%
TPH-o (Eurofins Labs) with Silica Gel Cleanup	PHCC24C40SGC	8015DM	µg/L	86	84	2	2.3%	180	J	210	J	RHMMW19	RHMMW03	—	0	0.0%
Total Organic Carbon	—	—	µg/L	273	109	164	60.1%	350	J	25000		RHMMW2254-01	RHMMW2254-01	—	0	0.0%
1,2-Dibromoethane	106-93-4	8011	µg/L	273	266	7	2.6%	0.0029	J	0.11		RHMMW08	RHMMW03	0.04	1	0.4%
Methane	74-82-8	SW8015M	µg/L	273	224	49	17.9%	0.68	J	6200		RHMMW17	RHMMW02	—	0	0.0%

Table 9-2. Summary of Analytical Groundwater Results Received During the Current Reporting Period (2/4/2023 to 4/17/2023) (cont'd)

BTEX, Full Suite VOCs, and Lead																
Benzene	71-43-2	8260B	µg/L	305	300	5	1.6%	0.03	J	0.037	J	RHMW02	RHMW02	5	0	0.0%
Ethylbenzene	100-41-4	8260B	µg/L	305	292	13	4.3%	0.071	J	0.23		RHMW02	RHMW02	30	0	0.0%
Toluene	108-88-3	8260B	µg/L	305	304	1	0.3%	0.11	J	0.11	J	RHMW08	RHMW08	40	0	0.0%
Xylenes	1330-20-7	8260B	µg/L	305	302	3	1.0%	0.15	J	0.35	J	RHMW02	RHMW02	20	0	0.0%
Bromobenzene	108-86-1	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
Bromochloromethane	74-97-5	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
Bromodichloromethane	75-27-4	8260B	µg/L	299	298	1	0.3%	0.073	J	0.073	J	OWDFMW04A	OWDFMW04A	0.14	0	0.0%
Bromoform	75-25-2	8260B	µg/L	305	305	0	0.0%	ND		ND				80	0	0.0%
Carbon tetrachloride	56-23-5	8260B	µg/L	305	292	13	4.3%	0.025	J	0.078	J	RHMW2254-01	OWDFMW04A	5	0	0.0%
Chlorobenzene	108-90-7	8260B	µg/L	305	305	0	0.0%	ND		ND				25	0	0.0%
Chlorodibromomethane	124-48-1	8260B	µg/L	305	305	0	0.0%	ND		ND				0.93	0	0.0%
Chloroethane	75-00-3	8260B	µg/L	305	305	0	0.0%	ND		ND				16	0	0.0%
Chloroform	67-66-3	8260B	µg/L	305	231	74	24.3%	0.033	J	4.3		RHMW2254-01	OWDFMW04A	28	0	0.0%
Chloromethane	74-87-3	8260B	µg/L	305	238	67	22.0%	0.14	J	2		RHMW09	RHMW02	190	0	0.0%
2-Chlorotoluene	95-49-8	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
4-Chlorotoluene	106-43-4	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
Dibromomethane	74-95-3	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
1,2-Dichlorobenzene	95-50-1	8260B	µg/L	305	305	0	0.0%	ND		ND				10	0	0.0%
1,3-Dichlorobenzene	541-73-1	8260B	µg/L	305	305	0	0.0%	ND		ND				5	0	0.0%
1,4-Dichlorobenzene	106-46-7	8260B	µg/L	305	305	0	0.0%	ND		ND				5	0	0.0%
Dichlorodifluoromethane	75-71-8	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
1,1-Dichloroethane	75-34-3	8260B	µg/L	305	305	0	0.0%	ND		ND				2.8	0	0.0%
1,2-Dichloroethane	107-06-2	8260B	µg/L	305	302	3	1.0%	0.059	J	0.1	J	RHMW17	RHMW05	5	0	0.0%
1,1-Dichloroethene	75-35-4	8260B	µg/L	305	305	0	0.0%	ND		ND				7	0	0.0%
cis-1,2-Dichloroethene	156-59-2	8260B	µg/L	305	305	0	0.0%	ND		ND				70	0	0.0%
trans-1,2-Dichloroethene	156-60-5	8260B	µg/L	305	305	0	0.0%	ND		ND				100	0	0.0%
1,2-Dichloropropane	78-87-5	8260B	µg/L	305	305	0	0.0%	ND		ND				5	0	0.0%
1,3-Dichloropropane	142-28-9	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
2,2-Dichloropropane	594-20-7	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
1,1-Dichloropropene	563-58-6	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
cis-1,3-Dichloropropene	10061-01-5	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
trans-1,3-Dichloropropene	10061-02-6	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
Methyl ethyl ketone	78-93-3	8260B	µg/L	305	305	0	0.0%	ND		ND				5600	0	0.0%
Methyl tert-butyl ether (MTBE)	1634-04-4	8260B	µg/L	305	305	0	0.0%	ND		ND				5	0	0.0%
Methylene chloride	75-09-2	8260B	µg/L	305	305	0	0.0%	ND		ND				5	0	0.0%
Styrene	100-42-5	8260B	µg/L	305	304	1	0.3%	0.2	J	0.2	J	RHMW11-05	RHMW11-05	10	0	0.0%
1,1,1,2-Tetrachloroethane	630-20-6	8260B	µg/L	305	305	0	0.0%	ND		ND				0.61	0	0.0%
1,1,2,2-Tetrachloroethane	79-34-5	8260B	µg/L	305	305	0	0.0%	ND		ND				0.078	0	0.0%
Tetrachloroethene	127-18-4	8260B	µg/L	305	305	0	0.0%	ND		ND				5	0	0.0%
1,1,1-Trichloroethane	71-55-6	8260B	µg/L	305	305	0	0.0%	ND		ND				11	0	0.0%
1,1,2-Trichloroethane	79-00-5	8260B	µg/L	305	305	0	0.0%	ND		ND				5	0	0.0%
Trichloroethene	79-01-6	8260B	µg/L	305	301	4	1.3%	0.069	J	0.092	J	RHMW06	RHMW06	5	0	0.0%
Trichlorofluoromethane	75-69-4	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
1,2,3-Trichloropropane	96-18-4	8260B	µg/L	300	300	0	0.0%	ND		ND				0.6	0	0.0%
Vinyl chloride	75-01-4	8260B	µg/L	305	305	0	0.0%	ND		ND				2	0	0.0%
m+p-Xylenes	179601-23-1	8260B	µg/L	305	305	0	0.0%	ND		ND				-	0	0.0%
o-Xylene	95-47-6	8260B	µg/L	305	302	3	1.0%	0.15	J	0.35	J	RHMW02	RHMW02	-	0	0.0%
Lead	7439-92-1	SW6020	µg/L	273	95	178	65.2%	0.04	J	6.3		RHMW17	RHMW05	5.6	1	0.4%
Dissolved Lead	7439-92-1	SW6020	µg/L	273	185	88	32.2%	0.04	J	4.2		RHMW04	RHMW14-03	-	0	0.0%

Table 9-2. Summary of Analytical Groundwater Results Received During the Current Reporting Period (2/4/2023 to 4/17/2023) (cont'd)

SVOCs																
1,2,4-Trichlorobenzene	120-82-1	SW8270C	µg/L	302	302	0	0.0%	ND		ND		—	—	70	0	0.0%
1,2-Dichlorobenzene	95-50-1	8260B	µg/L	305	305	0	0.0%	ND		ND		—	—	10	0	0.0%
1,3-Dichlorobenzene	541-73-1	8260B	µg/L	305	305	0	0.0%	ND		ND		—	—	5	0	0.0%
1,4-Dichlorobenzene	106-46-7	SW8270C	µg/L	295	295	0	0.0%	ND		ND		—	—	5	0	0.0%
2,4,5-Trichlorophenol	95-95-4	SW8270C	µg/L	297	297	0	0.0%	ND		ND		—	—	1.9	0	0.0%
2,4,6-Trichlorophenol	88-06-2	SW8270C	µg/L	297	297	0	0.0%	ND		ND		—	—	4.9	0	0.0%
2,4-Dichlorophenol	120-83-2	SW8270C	µg/L	296	296	0	0.0%	ND		ND		—	—	0.3	0	0.0%
2,4-Dimethylphenol	105-67-9	SW8270C	µg/L	302	302	0	0.0%	ND		ND		—	—	120	0	0.0%
2,4-Dinitrophenol	51-28-5	SW8270C	µg/L	275	275	0	0.0%	ND		ND		—	—	14	0	0.0%
2,4-Dinitrotoluene	121-14-2	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	0.25	0	0.0%
2,6-Dinitrotoluene	606-20-2	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	0.05	0	0.0%
2-Chloronaphthalene	91-58-7	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	-	0	0.0%
2-Chlorophenol	95-57-8	SW8270C	µg/L	303	303	0	0.0%	ND		ND		—	—	0.18	0	0.0%
2-Nitrophenol	88-75-5	SW8270C	µg/L	297	297	0	0.0%	ND		ND		—	—	-	0	0.0%
3,3'-Dichlorobenzidine	91-94-1	SW8270C	µg/L	301	301	0	0.0%	ND		ND		—	—	0.17	0	0.0%
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	µg/L	263	263	0	0.0%	ND		ND		—	—	-	0	0.0%
4-Bromophenyl phenyl ether	101-55-3	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	-	0	0.0%
4-Chloro-3-methylphenol	59-50-7	SW8270C	µg/L	303	303	0	0.0%	ND		ND		—	—	-	0	0.0%
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	µg/L	304	303	1	0.3%	0.048	J	0.048	J	RHMMW16	RHMMW16	-	0	0.0%
4-Nitrophenol	100-02-7	SW8270C	µg/L	200	200	0	0.0%	ND		ND		—	—	-	0	0.0%
Azobenzene	103-33-3	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	-	0	0.0%
bis(-2-chloroethoxy)Methane	111-91-1	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	-	0	0.0%
bis(-2-chloroethyl)Ether	111-44-4	SW8270C	µg/L	298	298	0	0.0%	ND		ND		—	—	0.014	0	0.0%
bis(2-chloroisopropyl)Ether	108-60-1	SW8270C	µg/L	298	298	0	0.0%	ND		ND		—	—	-	0	0.0%
bis(2-ethylhexyl)Phthalate	117-81-7	SW8270C	µg/L	304	288	16	5.3%	0.71	J	4.4		RHMMW06	RHMMW2254-01	3	1	0.3%
Butylbenzylphthalate	85-68-7	SW8270C	µg/L	304	293	11	3.6%	0.26	J	1.3	J	OWDFMW07A	RHMMW04	-	0	0.0%
Di-n-butyl phthalate	84-74-2	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	-	0	0.0%
Di-n-octyl phthalate	117-84-0	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	-	0	0.0%
Diethyl phthalate	84-66-2	SW8270C	µg/L	304	303	1	0.3%	0.19	J	0.19	J	RHMMW19	RHMMW19	210	0	0.0%
Dimethyl phthalate	131-11-3	SW8270C	µg/L	304	297	7	2.3%	0.069	J	0.29	J	RHMMW11-05	RHMMW17	1100	0	0.0%
Hexachlorobenzene	118-74-1	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	0.0003	0	0.0%
Hexachlorobutadiene	87-68-3	SW8270C	µg/L	295	295	0	0.0%	ND		ND		—	—	0.2	0	0.0%
Hexachlorocyclopentadiene	77-47-4	SW8270C	µg/L	295	295	0	0.0%	ND		ND		—	—	-	0	0.0%
Hexachloroethane	67-72-1	SW8270C	µg/L	295	295	0	0.0%	ND		ND		—	—	0.4	0	0.0%
Isophorone	78-59-1	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	82	0	0.0%
m+p-Cresols	15831-10-4	SW8270C	µg/L	303	303	0	0.0%	ND		ND		—	—	-	0	0.0%
n-Nitroso-di-n-propylamine	621-64-7	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	-	0	0.0%
n-Nitrosodimethylamine	62-75-9	SW8270C	µg/L	274	274	0	0.0%	ND		ND		—	—	-	0	0.0%
n-Nitrosodiphenylamine	86-30-6	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	-	0	0.0%
Nitrobenzene	98-95-3	SW8270C	µg/L	304	304	0	0.0%	ND		ND		—	—	0.14	0	0.0%
o-Cresol	95-48-7	SW8270C	µg/L	303	300	3	1.0%	0.051	J	0.072	J	RHMMW15-05	RHMMW09	-	0	0.0%
Pentachlorophenol	87-86-5	SW8270C	µg/L	284	283	1	0.4%	0.82	J	0.82	J	RHMMW15-05	RHMMW15-05	1	0	0.0%
Phenol	108-95-2	SW8270C	µg/L	303	302	1	0.3%	0.15	J	0.15	J	RHMMW09	RHMMW09	58	0	0.0%
Pyridine	110-86-1	SW8270C	µg/L	274	274	0	0.0%	ND		ND		—	—	-	0	0.0%

Table 9-2. Summary of Analytical Groundwater Results Received During the Current Reporting Period (2/4/2023 to 4/17/2023) (cont'd)

PAHs																
1-Methylnaphthalene	90-12-0	8270D SIM	µg/L	305	287	18	5.9%	0.021	J	26		RHMMW05	RHMMW02	10	5	1.6%
2-Methylnaphthalene	91-57-6	8270D SIM	µg/L	305	292	13	4.3%	1.4		21		RHMMW02	RHMMW02	10	2	0.7%
Naphthalene	91-20-3	8270D SIM	µg/L	305	279	26	8.5%	0.041	J	54		RHMMW04	RHMMW02	17	4	1.3%
Acenaphthene (SIM)	83-32-9	8270SIM	µg/L	305	281	24	7.9%	0.018	J	0.41		RHMMW01R	RHMMW02	15	0	0.0%
Acenaphthylene (SIM)	208-96-8	8270SIM	µg/L	305	294	11	3.6%	0.011	J	0.15		RHMMW16	RHMMW02	13	0	0.0%
Anthracene (SIM)	120-12-7	8270SIM	µg/L	305	305	0	0.0%	ND		ND		—	—	0.02	0	0.0%
Benzo(a)anthracene (SIM)	56-55-3	8270SIM	µg/L	305	289	16	5.2%	0.013	J	0.12	J-	RHMMW03	RHMMW02	0.027	6	2.0%
Benzo(a)pyrene (SIM)	50-32-8	8270SIM	µg/L	305	296	9	3.0%	0.011	J	0.069	J	RHMMW16	RHMMW02	0.06	1	0.3%
Benzo(b)fluoranthene (SIM)	205-99-2	8270SIM	µg/L	305	288	17	5.6%	0.012	J	0.083	J-	RHMMW05	RHMMW02	0.22	0	0.0%
Benzo(g,h,i)perylene (SIM)	191-24-2	8270SIM	µg/L	305	298	7	2.3%	0.011	J	0.034	J	RHMMW05	RHMMW02	0.13	0	0.0%
Benzo(k)fluoranthene (SIM)	207-08-9	8270SIM	µg/L	305	299	6	2.0%	0.011	J	0.043	J	RHMMW03	RHMMW02	0.4	0	0.0%
Chrysene (SIM)	218-01-9	8270SIM	µg/L	305	300	5	1.6%	0.028	J	0.09	J	RHMMW03	RHMMW02	1	0	0.0%
Dibenzo(a,h)anthracene (SIM)	53-70-3	8270SIM	µg/L	305	305	0	0.0%	ND		ND		—	—	0.022	0	0.0%
Fluoranthene (SIM)	206-44-0	8270SIM	µg/L	305	296	9	3.0%	0.022	J	0.15	J	RHMMW05	RHMMW02	0.8	0	0.0%
Fluorene (SIM)	86-73-7	8270SIM	µg/L	305	287	18	5.9%	0.016	J	0.24	J-	RHMMW01R	RHMMW02	3.9	0	0.0%
Indeno(1,2,3-cd)pyrene (SIM)	193-39-5	8270SIM	µg/L	305	296	9	3.0%	0.014	J	0.048	J	RHMMW05	RHMMW02	0.095	0	0.0%
Phenanthrene (SIM)	85-01-8	8270SIM	µg/L	305	293	12	3.9%	0.029	J	0.16	J-	RHMMW05	RHMMW02	2.3	0	0.0%
Pyrene (SIM)	129-00-0	8270SIM	µg/L	305	297	8	2.6%	0.031	J	0.15	J-	RHMMW01R	RHMMW02	4.6	0	0.0%

Acronyms and Footnotes:

CAS-Chemical Abstracts Service

J-estimated: the analyte was positively identified; the quantitation is an estimation

ND-not detected

µg/L-microgram per Liter

%-percent

Note¹: The minimum and maximum detected values are given for each analyte. If the analyte was not detected in any sample, "ND" is shown for minimum or maximum detected values.

Note²: If the minimum or maximum result value occurs at more than one location only the location of the first occurrence is given.

^a Includes normal and field duplicate samples.

^b Does not include sample results rejected by validation.

^c Wells sampled during this reporting period include the following: OWDFMW01, OWDFMW04A, OWDFMW05A, OWDFMW07A, OWDFMW08A, RHMMW01R, RHMMW02, RHMMW03, RHMMW04, RHMMW05, RHMMW06, RHMMW08, RHMMW09, RHMMW11-05, RHMMW12A, RHMMW13-05, RHMMW14-03, RHMMW15-05, RHMMW16, RHMMW17, RHMMW19, and RHMMW2254-01.

^d Includes all sample results validated during this reporting period regardless of sample collection date.

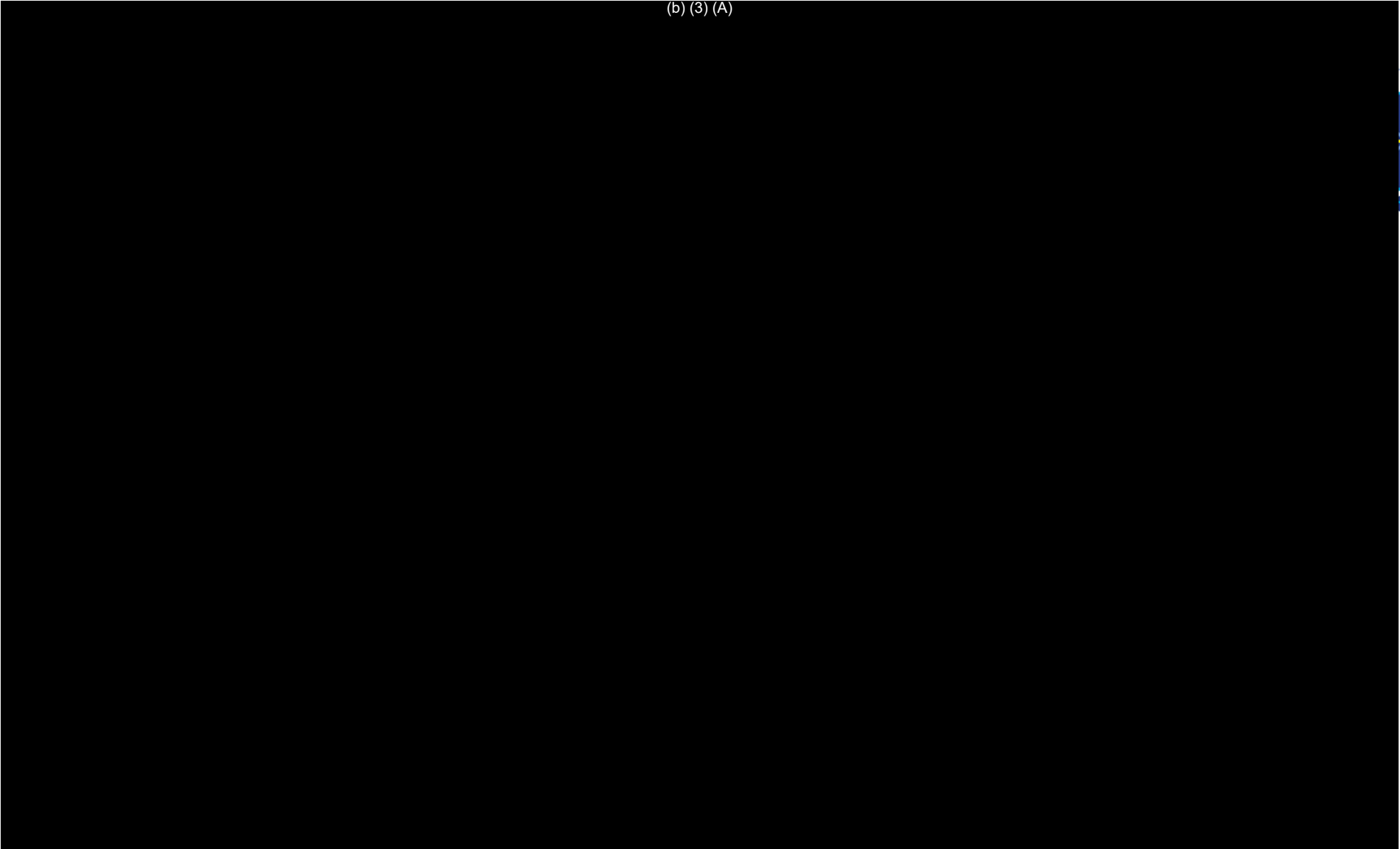


Figure 10: Summary of NOI Groundwater Analytical Results for TPH-d

As depicted in Appendix B.5, the sample exceedances from RHMW02 exhibited chromatographic profiles with peaks spanning the carbon range (C10–C24) characteristic of some dissolved components of jet fuel and a “hump” due to metabolites in the TPH-d range, which is consistent with JP-5/JP-8 and jet fuels in general. The chromatographic fingerprints from the detects at RHMW01R can be considered impacted by potential metabolites that are mostly removed by SGC. The other wells with TPH-d detections did not have chromatographic profiles consistent with those observed in RHMW02 or expected from dissolved fuel components. For example, the RHMW03 exceedance exhibited broad peaks and baseline rise sporadically dispersed throughout the TPH-o carbon range and extended into the TPH-d carbon ranges. RHMW03 SGC results were detected at low levels. For most samples with detections reported below the EAL, SGC removed most or all the TPH-d concentrations.

Detected TPH-d sample concentrations from NOI monitored wells for data validated during the current reporting period are summarized as follows:

- TPH-d concentrations at in-tunnel well RHMW02 and RHMW03 appear to be stable, with RHMW02 exhibiting historically consistent EAL exceedances, and RHMW03 sporadically exceeding the EAL.
- TPH-d concentrations at in-tunnel wells RHMW01R and RHMW05 appear to be stable and did not exceed the EAL.
- TPH-d concentrations at outlying wells appear to be stable, with majority of the sampling events without detects, and sporadically occurring low-level detects. OWDFMW05A has been consistently not detected.
- TPH-d detections at RHMW2254-01 (Red Hill Shaft), which had consistent exceedances following the November 2021 Release, has had no EAL exceedances since March 2022 and low to no detections since then. TPH-d was detected below the EAL during five sampling events for data validated during the reporting period. From February through March 2023, TPH-d concentrations have been not detected.

9.3.1.3 *TPH-o*

TPH-o EAL exceedances detected from NOI monitoring wells are summarized in Table 9-2, and TPH-o detections are depicted on Figure 11. As shown on the figure, TPH-o was detected at in-tunnel wells RHMW01R, RHMW02, RHMW03, RHMW05, and RHMW2254-01; outlying wells RHMW04, RHMW06, RHMW09, RHMW17, and RHMW19; outlying multi-level well RHMW14-03; and Oily Waste wells OWDFMW04A and OWDFMW08A.



Figure 11: Summary of NOI Groundwater Analytical Results for TPH-o

Three exceedances were reported at in-tunnel wells RHMW03 and RHMW2254-01 (bailer samples only and not in the low-flow samples). As depicted in Appendix B.5, the chromatographic fingerprint from RHMW03 and RHMW2254-01 exhibited unresolved and sharp peaks that appeared from the o-terphenyl surrogate into the TPH-o carbon range and extended past C40 suggesting materials with heavier mass than fuel. This chromatographic pattern is not consistent with the chromatographic profile seen in RHMW02. RHMW03 has had TPH-o detections in the past; these may be associated with degradation of a heavier or older fuel source.

SGC performed on the groundwater extracts removed the majority or all of the TPH-o from most samples.

Several of the method blanks had peaks that have hydrocarbon-like patterns, typically above carbon range C20, which may obscure interpretation of TPH-o chromatograms and can contribute to apparent detections of TPH-o and to a lesser extent to TPH-d. A corrective action report was provided by Eurofins Seattle (included in the December 21, 2022 Quarterly RRR as Appendix E), providing further support that discrete peak patterns in the method blanks are contributing to the chromatographic pattern observed. However, this is an on-going issue that is not yet resolved.

9.3.1.4 LEAD SCAVENGERS

1,2-Dibromoethane had one exceedance at RHMW03 and was the first exceedance for this well. NAPL has not been observed in this well. Additionally, lead scavengers were used in leaded gasoline, and TPH-g was not detected for this sample; therefore, this result is most likely a false positive. Subsequent monitoring results have been not detected since the exceedance.

1,2-Dibromoethane was detected at RHMW08, RHMW17, RHMW2254-01 and OWDFMW04A. The low-level concentration may be attributed to matrix interference that contributed to instrumentation noise. There are no current onsite fuel sources for 1,2-dibromoethane or 1,2-dichloroethane, and there were no TPH-g detects for the wells with positively identified lead scavengers.

1,2-Dichloroethane was detected at RHMW05, RHMW06, and RHMW17, at low-level concentrations and may be attributed to instrumentation noise. Subsequent monitoring results have been not detected.

9.3.1.5 LEAD

Total lead was detected at low-level concentrations at all wells. There was one exceedance at RHMW05 (6.3 µg/L, EAL 5.6 µg/L). Concentrations remained stable and consistent with historical ranges for the majority of the wells. RHMW05, RHMW08, and RHMW14-03 had increases in lead concentrations and frequency of detection, but are currently stable. The maximum concentration for total lead was at RHMW05 and dissolved lead was at RHMW14-03.

9.3.1.6 BTEX

As was the case during the previous reporting period, no BTEX EAL exceedances were reported for any wells monitored.

Five low-level detections of benzene were reported at in-tunnel well RHMW02, at similar concentrations.

Toluene was detected once at RHMW08 at low-level concentrations and was not detected in other wells. Previous and subsequent monitoring events at RHMW08 were not detected for toluene.

Ethylbenzene and xylene detections occurred only at in-tunnel well RHMW02.

9.3.1.7 VOCs

VOC detections below the EALs included trichloroethene at RHMW06 (concurrent with historical) and carbon tetrachloride at OWDFMW04A and RHMW2254-01, which is consistent with previous reporting periods. Trichloroethene in RHMW06 was detected in 4 of 12 samples. Styrene was detected during one monitoring event at RHMW11-05. Additionally, bromodichloromethane was detected in a duplicate sample during one monitoring event at OWDFMW04A; however, the primary sample was not detected. All detects were flagged as estimated and may be attributed to instrumentation noise.

Chloroform, chloromethane, or both were detected in 22 groundwater wells during multiple collection events. Chloroform was detected in all sampling events from OWDFMW01, OWDFMW04A, and OWDFMW08A, and was also detected in some sampling events at RHMW06 and RHMW2254-01. These low-level VOC detects are consistent with historical data and investigations.

9.3.1.8 SVOCs

Samples were analyzed for the laboratory's full suite of SVOCs.

SVOC detections were consistent with historical investigations. Detected SVOCs were four phthalates: bis(2-ethylhexyl) phthalate, butyl benzyl phthalate, diethyl phthalate and dimethyl phthalate, along with 4-chlorophenyl phenyl ether, m+p-cresols, phenol, and pentachlorophenol. SVOC results and specific impacted wells are summarized below.

Phthalate results are summarized as follows:

- Bis(2-ethylhexyl) phthalate was detected at RHMW2254-01 (4.4 µg/L), which exceeded the EAL (3 µg/L). Various phthalates, including bis(2-ethylhexyl) phthalate, butylbenzylphthalate, diethyl phthalate and dimethyl phthalate, were detected below the EALs at in-tunnel wells, outlying wells, and OWDF wells. It was concluded that the detects were not associated with the fuel release and instead are likely associated with sampling equipment or laboratory contamination issues (DON 2019). Additionally, phthalates are

prevalent in the environment because of their use in plastics such as PVC, which may be present in well construction materials.

- Diethyl phthalate was reported in one sample at RHMW19, with no exceedances.
- Dimethylphthalate was detected at RHMW11-05, RHMW12A, RHMW17, RHMW2254-01, OWDFMW07A, which is consistent with previous sampling results from other in-tunnel and outlying wells. Detected results were below the EAL.
- Butylbenzylphthalate was reported during one sampling event from RHMW05, RHMW2254-01, RHMW04, RHMW06, RHMW08, RHMW11-05, RHMW19, OWDFMW04A, OWDFMW05A, and OWDFMW07A and has been reported a few times historically at other locations. No EAL is established for butylbenzylphthalate.

The phthalate compounds that were detected are not commonly associated with fuel and are found mainly in solvents used as wetting agents and as plasticizers. The phthalate detections may also be indicators of sampling equipment or laboratory contamination issues, as supported by blank contamination and failing QC criteria. SVOCs have been observed in laboratory, field, or equipment QC blanks, as summarized in data validation tables accessible in the Red Hill EDMS (see Appendix E - Data Validation Qualifier Tables).

4-Chlorophenyl phenyl ether was detected once at RHMW16 at a low-level concentration and was not detected in other wells. Previous and subsequent monitoring events at RHMW16 were not detected for 4-chlorophenyl phenyl ether. Previous detections of 4-chlorophenyl phenyl ether for other wells were later confirmed by the laboratory as false positives.

o-Cresol was reported three times, at RHMW09, RHMW15-05, and OWDFMW08A. This analyte had been detected during a previous reporting period. No EAL has been established for o-cresol.

Phenol was detected once at RHMW09. Pentachlorophenol was also detected once at RHMW15-05. Phenol has not been detected previously or during subsequent sampling events for these wells.

9.3.1.9 PAHs

One or more pyrogenic PAHs (PAHs from a combustion source and not associated with fuel) were detected in a few sampling events at in-tunnel wells RHMW01R, RHMW02, RHMW03, and RHMW05. The only EAL exceedance was at RHMW03 for benzo(a)anthracene.

One or more pyrogenic PAHs were detected during one sampling event at RHMW08, RHMW14-03, RHMW16, and RHMW2254-01. Generally, the limit of detection of the method is greater than the EAL. PAHs have also been observed in laboratory, field, or equipment QC blanks, as summarized in data validation tables accessible in the Red Hill EDMS (see Appendix E - Data Validation Qualifier Tables), which calls into question the reliability or representativeness of these data.

Consistent with historical data, non-pyrogenic PAH COPCs consistent with those found in jet fuels (N, 1MN, and 2MN) were detected primarily at in-tunnel wells RHMW01R and RHMW02. RHMW02 had five samples with a reported concentration of 1MN above the EAL. The concentration of N (26 µg/L) also exceeded the EAL in one sample from RHMW02. The EAL is 10 µg/L for 1MN and 17 µg/L for N. No exceedance of any PAH EAL was reported at any other well.

Naphthalene was reported once for RHMW04, RHMW05, RHMW17, RHMW2254-01, and OWDFMW08A. 1MN was reported once for RHMW05.

In addition to the PAH COPCs, other non-pyrogenic PAHs were detected, primarily at RHMW01R and RHMW02. RHMW02 had consistent detects for acenaphthene, acenaphthylene, and fluorene, with a few detections of phenanthrene. RHMW01R had consistent detects for acenaphthene, a few detections of fluorene, and two detections of phenanthrene. Acenaphthylene and fluorene were detected during one collection event at RHMW16.

Phenanthrene was also detected in three samples from RHMW03 and two samples from RHMW05.

9.3.2 Delineation Well Groundwater Analytical Results

Summary statistics for delineation well groundwater samples are presented in Table 9-3. As indicated in the table, the following results were reported:

- No BTEX or PAH detections were reported.
- TPH-d and TPH-o were detected at RHP01 on December 22, 2022 at estimated concentrations below the LOD (the level at which non-detected results are reported); however, the concentrations (70 µg/L and 220 µg/L, respectively) did not exceed either EAL (400 µg/L for TPH-d and 500 µg/L for TPH-o). No TPH-d or TPH-o was detected in subsequent RHP01 samples collected through March 17, 2023.
- TPH-g was detected in the RHP03 primary sample collected on January 13, 2023 at an estimated concentration (36 µg/L) below the LOD and the EAL (300 µg/L). TPH-g was not detected in the field duplicate sample collected the same day or in previous or subsequent RHP03 samples collected during the reporting period.
- TPH-d was detected in a RHP04A sample collected on February 3, 2023 at an estimated concentration (72 µg/L) below the LOD and the EAL (400 µg/L). TPH-d was not detected in previous or subsequent RHP04A samples collected during the reporting period.

Table 9-3: Summary of Delineation Well Analytical Results for Current Reporting Period (2/4/2023 to 4/17/2023)

Chemical of Concern	CAS	Method	Units	Number of Samples ^{a, b, c}	Number of Non-Detects	Number of Detects	Detection Frequency	Minimum Detected Value		Maximum Detected Value		Location of Minimum Detect ²	Location of Maximum Detect ²	Project Screening Criteria		
								Value ¹	Qualifier	Value ¹	Qualifier			Criteria	Number of Exceedances	Exceedance Frequency
TPH																
C6-C10 Gasoline Range Organics	--	8260/CALUFT DOD	µg/L	48	47	1	2.1%	36	J	36	J	RHP03	RHP03	300	0	0.0%
C10-C24 Petroleum Hydrocarbons	--	8015D	µg/L	46	37	9	19.6%	70	J	220		RHP01	RHP04B	400	0	0.0%
C24-C40 Petroleum Hydrocarbons	--	8015D	µg/L	46	40	6	13.0%	150	J	230	J	RHP04B	RHP04B	500	0	0.0%
BTEX																
Benzene	71-43-2	8260D	µg/L	48	48	0	0.0%	ND		ND		--	--	5	0	0.0%
Ethylbenzene	100-41-4	8260D	µg/L	48	48	0	0.0%	ND		ND		--	--	30	0	0.0%
m,p-Xylene	--	8260D	µg/L	48	48	0	0.0%	ND		ND		--	--	NA	--	--
o-Xylene	95-47-6	8260D	µg/L	48	48	0	0.0%	ND		ND		--	--	NA	--	--
Toluene	108-88-3	8260D	µg/L	48	48	0	0.0%	ND		ND		--	--	40	0	0.0%
Xylenes, Total	1330-20-7	8260D	µg/L	48	48	0	0.0%	ND		ND		--	--	20	0	0.0%
PAHs																
1-Methylnaphthalene	90-12-0	8270E SIM	µg/L	48	48	0	0.0%	ND		ND		--	--	10	0	0.0%
2-Methylnaphthalene	91-57-6	8270E SIM	µg/L	48	48	0	0.0%	ND		ND		--	--	10	0	0.0%
Naphthalene	91-20-3	8270E SIM	µg/L	48	48	0	0.0%	ND		ND		--	--	17	0	0.0%
Natural Attenuation Parameters																
Methane	--	RSK175	µg/L	4	4	0	0.0%	ND		ND		--	--	NA	--	--
Alkalinity, Bicarbonate (as CaCO3)	--	A2320B	µg/L	4	0	4	100.0%	63,000		120,000		RHP04C	RHP05	NA	--	--
Alkalinity, Carbonate (as CaCO3)	--	A2320B	µg/L	4	4	0	0.0%	ND		ND		--	--	NA	--	--
Alkalinity, Total (as CaCO3)	--	A2320B	µg/L	4	0	4	100.0%	63,000		120,000		RHP04C	RHP05	NA	--	--
Chloride	--	EPA 300	µg/L	4	0	4	100.0%	96,000		390,000		RHP07	RHP04C	NA	--	--
Iron, Ferrous	--	A3500B	µg/L	3	3	0	0.0%	ND		ND		--	--	NA	--	--
Nitrate (as N)	--	EPA 300	µg/L	4	0	4	100.0%	380	J	1,800	J	RHP04C	RHP05	NA	--	--
Nitrate-Nitrite (as N)	--	EPA 353.2	µg/L	4	0	4	100.0%	430		1,900		RHP04C	RHP05	NA	--	--
Sulfate	--	EPA 300	µg/L	4	0	4	100.0%	37,000		67,000		RHP05	RHP04C	NA	--	--
Total Organic Carbon	--	SW9060A	µg/L	4	1	3	75.0%	920		3,600		RHP04C	RHP05	NA	--	--

Note¹: The minimum and maximum detected values are given for each analyte. If the analyte was not detected in any sample, "ND" is shown for minimum or maximum detected values.

Note²: If the minimum or maximum result value occurs at more than one location only the location of the first occurrence is given.

^a Includes normal and field duplicate samples.

^b Does not include sample results rejected by validation.

^c Wells sampled during this reporting period include the following: RHP01, RHP02, RHP03, RHP04A, RHP04B, RHP04C, RHP05, and RHP07.

- TPH-d was detected in each sample collected at RHP04B from December 23, 2022 through March 3, 2023 at concentrations (160 to 220 µg/L) above the LOD and below the EAL (400 µg/L). RHP04B is screened at a depth of approximately -143 to -163 ft msl, i.e., approximately 162 ft below the regional potentiometric surface. SGC performed on the groundwater extracts removed the TPH-d. The chromatographic profiles for RHP04B samples are not consistent with those expected from dissolved fuel components.
- TPH-o was detected in RHP04B samples collected on January 13 and 27, February 17, and March 3, 2023 at estimated concentrations (150 to 230 µg/L) below the LOD and the EAL (500 µg/L). The TPH-o was removed by SGC.

Samples from RHP04C, RHP05, and RHP07 were analyzed for the NAPs indicated in Section 6.3.3 during the initial one or two sampling events occurring within the reporting period after each well completion. The minimum and maximum concentrations and frequency of detections are summarized in Table 9-3.

9.3.3 Sentinel Well Groundwater Analytical Results

Summary statistics for sentinel well groundwater samples collected from NMW24 are provided in Table 9-4. As indicated in the table, the following results were reported:

- No BTEX, PAH, TPH-g, or TPH-o detections were reported in samples collected from NMW24.
- TPH-d at or above the LOD was detected in the samples collected December 13 and 29, 2022, and January 11, 2023. The concentrations ranged from 70 to 220 µg/L and did not exceed the EAL. The TPH-d was removed by SGC.
- TPH-o at or below the LOD was detected in the samples collected at sentinel well NMW24 on December 13 and 29, 2022, and January 11 and February 22, 2023. The concentrations ranged from 180 to 310 µg/L and did not exceed the EAL. The TPH-o was removed by SGC.

9.3.4 Adit 3 Sump Water Analytical Results

Summary statistics for Adit 3 Sump water samples are described below and provided in Table 9-5. Appendix B.4 provides cumulative Adit 3 Sump monitoring results compared to the EALs for each analyte group.

9.3.4.1 TPH-g

TPH-g was not detected at the Adit 3 Sump. As depicted in Appendix B.4.5, TPH-g concentrations have primarily continued to decrease to non-detect since the November 2021 Release, with the first occurrence of a non-detect sample collected on March 29, 2022.

Table 9-4: Summary of Sentinel Well Analytical Results for Current Reporting Period (2/4/2023 to 4/17/2023)

Chemical of Concern	CAS	Method	Units	Number of Samples ^{a, b, c}	Number of Non-Detects	Number of Detects	Detection Frequency	Minimum Detected Value		Maximum Detected Value		Location of Minimum Detect ²	Location of Maximum Detect ²	Project Screening Criteria		
								Value ¹	Qualifier	Value ¹	Qualifier			Criteria	Number of Exceedances	Exceedance Frequency
TPH																
C6-C10 Gasoline Range Organics	--	8260/CALUFT DOD	µg/L	15	15	0	0.0%	ND		ND		--	--	400	0	0.0%
C10-C24 Petroleum Hydrocarbons	--	8015D	µg/L	15	9	6	40.0%	70	J	220	J-	NMW24	NMW24	400	0	0.0%
C24-C40 Petroleum Hydrocarbons	--	8015D	µg/L	15	12	3	20.0%	180	J	310	J-	NMW24	NMW24	500	0	0.0%
BTEX																
Benzene	71-43-2	8260D	µg/L	15	15	0	0.0%	ND		ND		--	--	5	0	0.0%
Ethylbenzene	100-41-4	8260D	µg/L	15	15	0	0.0%	ND		ND		--	--	30	0	0.0%
m,p-Xylene	--	8260D	µg/L	15	15	0	0.0%	ND		ND		--	--	NA	--	--
o-Xylene	95-47-6	8260D	µg/L	15	15	0	0.0%	ND		ND		--	--	NA	--	--
Toluene	108-88-3	8260D	µg/L	15	15	0	0.0%	ND		ND		--	--	40	0	0.0%
Xylenes, Total	1330-20-7	8260D	µg/L	15	15	0	0.0%	ND		ND		--	--	20	0	0.0%
PAHs																
1-Methylnaphthalene	90-12-0	8270E SIM	µg/L	15	15	0	0.0%	ND		ND		--	--	10	0	0.0%
2-Methylnaphthalene	91-57-6	8270E SIM	µg/L	15	15	0	0.0%	ND		ND		--	--	10	0	0.0%
Naphthalene	91-20-3	8270E SIM	µg/L	15	15	0	0.0%	ND		ND		--	--	17	0	0.0%

Note¹: The minimum and maximum detected values are given for each analyte. If the analyte was not detected in any sample, "ND" is shown for minimum or maximum detected values.

Note²: If the minimum or maximum result value occurs at more than one location only the location of the first occurrence is given.

^a Includes normal and field duplicate samples.

^b Does not include sample results rejected by validation.

^c The only well sampled during this reporting period was NMW24.

Table 9-5. Summary of Adit 3 Sump Analytical Results Validated During the Current Reporting Period (2/4/2023 to 4/17/2023)

Chemical of Concern	CAS	Method	Units	Number of Samples ^a b, c	Number of Non-Detects	Number of Detects	Detection Frequency	Minimum Detected Value		Maximum Detected Value		Project Screening Criteria		
								Value ¹	Qualifier	Value ¹	Qualifier	Criteria	Number of Exceedances	Exceedance Frequency
TPH and Fuel Related Compounds														
TPH-g (Eurofins Labs)	PHCC6C10	8260	µg/L	12	12	0	0.0%	ND	U	ND	U	300	0	0.0%
TPH-d (Eurofins Labs)	PHCC10C24	8015DM	µg/L	13	7	6	46.2%	70	J	490	0	400	1	7.7%
TPH-d (Eurofins Labs) with Silica Gel Cleanup	PHCC10C24SGC	8015DM	µg/L	6	0	6	100.0%	88	J	320	0	—	0	0.0%
TPH-o (Eurofins Labs)	PHCC24C40	8015DM	µg/L	13	12	1	7.7%	350	J	350	J	500	0	0.0%
TPH-o (Eurofins Labs) with Silica Gel Cleanup	PHCC24C40SGC	8015DM	µg/L	6	4	2	33.3%	230	J	270	J	—	0	0.0%
Total Organic Carbon	—	—	µg/L	13	5	8	61.5%	400	J	4600	0	—	0	0.0%
1,2-Dibromoethane	106-93-4	8011	µg/L	13	12	1	7.7%	0.0061	J	0.0061	J	0.04	0	0.0%
Methane	74-82-8	SW8015M	µg/L	13	4	9	69.2%	0.76	J	3.8	J	—	0	0.0%

Table 9-5. Summary of Adit 3 Sump Analytical Results Validated During the Current Reporting Period (2/4/2023 to 4/17/2023) (cont'd)

BTEX, Full Suite VOCs, and Lead														
Benzene	71-43-2	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
Ethylbenzene	100-41-4	8260B	µg/L	13	12	1	7.7%	0.048	J	0.048	J	30	0	0.0%
Toluene	108-88-3	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	40	0	0.0%
Xylenes	1330-20-7	8260B	µg/L	13	12	1	7.7%	0.37	J	0.37	J	20	0	0.0%
Bromobenzene	108-86-1	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
Bromochloromethane	74-97-5	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
Bromodichloromethane	75-27-4	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	0.14	0	0.0%
Bromoform	75-25-2	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	80	0	0.0%
Carbon tetrachloride	56-23-5	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
Chlorobenzene	108-90-7	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	25	0	0.0%
Chlorodibromomethane	124-48-1	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	0.93	0	0.0%
Chloroethane	75-00-3	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	16	0	0.0%
Chloroform	67-66-3	8260B	µg/L	13	5	8	61.5%	0.036	J	0.12	J	28	0	0.0%
Chloromethane	74-87-3	8260B	µg/L	13	11	2	15.4%	0.18	J	1.3	J+	190	0	0.0%
2-Chlorotoluene	95-49-8	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
4-Chlorotoluene	106-43-4	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
Dibromomethane	74-95-3	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
1,2-Dichlorobenzene	95-50-1	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	10	0	0.0%
1,3-Dichlorobenzene	541-73-1	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
1,4-Dichlorobenzene	106-46-7	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
Dichlorodifluoromethane	75-71-8	8260B	µg/L	13	13	0	0.0%	ND	UJ	ND	UJ	-	0	0.0%
1,1-Dichloroethane	75-34-3	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	2.8	0	0.0%
1,2-Dichloroethane	107-06-2	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
1,1-Dichloroethene	75-35-4	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	7	0	0.0%
cis-1,2-Dichloroethene	156-59-2	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	70	0	0.0%
trans-1,2-Dichloroethene	156-60-5	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	100	0	0.0%
1,2-Dichloropropane	78-87-5	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
1,3-Dichloropropane	142-28-9	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
2,2-Dichloropropane	594-20-7	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
1,1-Dichloropropene	563-58-6	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
cis-1,3-Dichloropropene	10061-01-5	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
trans-1,3-Dichloropropene	10061-02-6	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
Methyl ethyl ketone	78-93-3	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5600	0	0.0%
Methyl tert-butyl ether (MTBE)	1634-04-4	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
Methylene chloride	75-09-2	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
Styrene	100-42-5	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	10	0	0.0%
1,1,1,2-Tetrachloroethane	630-20-6	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	0.61	0	0.0%
1,1,2,2-Tetrachloroethane	79-34-5	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	0.078	0	0.0%
Tetrachloroethene	127-18-4	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
1,1,1-Trichloroethane	71-55-6	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	11	0	0.0%
1,1,2-Trichloroethane	79-00-5	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
Trichloroethene	79-01-6	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
Trichlorofluoromethane	75-69-4	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
1,2,3-Trichloropropane	96-18-4	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	0.6	0	0.0%
Vinyl chloride	75-01-4	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	2	0	0.0%
m+p-Xylenes	179601-23-1	8260B	µg/L	13	12	1	7.7%	0.15	J	0.15	J	-	0	0.0%
o-Xylene	95-47-6	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
Lead	7439-92-1	SW6020	µg/L	13	0	13	100.0%	0.31	J	1400	0	5.6	7	53.8%
Dissolved Lead	7439-92-1	SW6020	µg/L	13	1	12	92.3%	0.042	J	8.9	0	-	0	0.0%

Table 9-5. Summary of Adit 3 Sump Analytical Results Validated During the Current Reporting Period (2/4/2023 to 4/17/2023) (cont'd)

SVOCs														
1,2,4-Trichlorobenzene	120-82-1	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	70	0	0.0%
1,2-Dichlorobenzene	95-50-1	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	10	0	0.0%
1,3-Dichlorobenzene	541-73-1	8260B	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
1,4-Dichlorobenzene	106-46-7	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	5	0	0.0%
2,4,5-Trichlorophenol	95-95-4	SW8270C	µg/L	12	12	0	0.0%	ND	U	ND	U	1.9	0	0.0%
2,4,6-Trichlorophenol	88-06-2	SW8270C	µg/L	12	12	0	0.0%	ND	U	ND	U	4.9	0	0.0%
2,4-Dichlorophenol	120-83-2	SW8270C	µg/L	12	12	0	0.0%	ND	U	ND	U	0.3	0	0.0%
2,4-Dimethylphenol	105-67-9	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	120	0	0.0%
2,4-Dinitrophenol	51-28-5	SW8270C	µg/L	10	10	0	0.0%	ND	UJ	ND	UJ	14	0	0.0%
2,4-Dinitrotoluene	121-14-2	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	0.25	0	0.0%
2,6-Dinitrotoluene	606-20-2	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	0.05	0	0.0%
2-Chloronaphthalene	91-58-7	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
2-Chlorophenol	95-57-8	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	0.18	0	0.0%
2-Nitrophenol	88-75-5	SW8270C	µg/L	12	12	0	0.0%	ND	U	ND	U	-	0	0.0%
3,3'-Dichlorobenzidine	91-94-1	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	0.17	0	0.0%
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	µg/L	10	10	0	0.0%	ND	UJ	ND	UJ	-	0	0.0%
4-Bromophenyl phenyl ether	101-55-3	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
4-Chloro-3-methylphenol	59-50-7	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
4-Nitrophenol	100-02-7	SW8270C	µg/L	8	8	0	0.0%	ND	U	ND	U	-	0	0.0%
Azobenzene	103-33-3	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
bis(-2-chloroethoxy)Methane	111-91-1	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
bis(-2-chloroethyl)Ether	111-44-4	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	0.014	0	0.0%
bis(2-chloroisopropyl)Ether	108-60-1	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
bis(2-ethylhexyl)Phthalate	117-81-7	SW8270C	µg/L	13	9	4	30.8%	0.83	J	8	0	3	1	7.7%
Butylbenzylphthalate	85-68-7	SW8270C	µg/L	13	12	1	7.7%	0.42	J	0.42	J	-	0	0.0%
Di-n-butyl phthalate	84-74-2	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
Di-n-octyl phthalate	117-84-0	SW8270C	µg/L	13	13	0	0.0%	ND	UJ	ND	UJ	-	0	0.0%
Diethyl phthalate	84-66-2	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	210	0	0.0%
Dimethyl phthalate	131-11-3	SW8270C	µg/L	13	12	1	7.7%	0.23	J	0.23	J	1100	0	0.0%
Hexachlorobenzene	118-74-1	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	0.0003	0	0.0%
Hexachlorobutadiene	87-68-3	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	0.2	0	0.0%
Hexachlorocyclopentadiene	77-47-4	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
Hexachloroethane	67-72-1	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	0.4	0	0.0%
Isophorone	78-59-1	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	82	0	0.0%
m+p-Cresols	15831-10-4	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
n-Nitroso-di-n-propylamine	621-64-7	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
n-Nitrosodimethylamine	62-75-9	SW8270C	µg/L	10	10	0	0.0%	ND	U	ND	U	-	0	0.0%
n-Nitrosodiphenylamine	86-30-6	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
Nitrobenzene	98-95-3	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	0.14	0	0.0%
o-Cresol	95-48-7	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	-	0	0.0%
Pentachlorophenol	87-86-5	SW8270C	µg/L	12	12	0	0.0%	ND	U	ND	U	1	0	0.0%
Phenol	108-95-2	SW8270C	µg/L	13	13	0	0.0%	ND	U	ND	U	58	0	0.0%
Pyridine	110-86-1	SW8270C	µg/L	10	10	0	0.0%	ND	U	ND	U	-	0	0.0%

Table 9-5. Summary of Adit 3 Sump Analytical Results Validated During the Current Reporting Period (2/4/2023 to 4/17/2023) (cont'd)

PAHs														
1-Methylnaphthalene	90-12-0	8270D SIM	µg/L	13	9	4	30.8%	0.018	J	0.1	0	10	0	0.0%
2-Methylnaphthalene	91-57-6	8270D SIM	µg/L	13	12	1	7.7%	0.072	J	0.072	J	10	0	0.0%
Naphthalene	91-20-3	8270D SIM	µg/L	13	12	1	7.7%	0.053	J	0.053	J	17	0	0.0%
Acenaphthene (SIM)	83-32-9	8270SIM	µg/L	13	10	3	23.1%	0.021	J	0.14	0	15	0	0.0%
Acenaphthylene (SIM)	208-96-8	8270SIM	µg/L	13	8	5	38.5%	0.0085	J	0.072	0	13	0	0.0%
Anthracene (SIM)	120-12-7	8270SIM	µg/L	13	7	6	46.2%	0.021	J	0.49	0	0.02	6	46.2%
Benzo(a)anthracene (SIM)	56-55-3	8270SIM	µg/L	13	2	11	84.6%	0.026	J	4.5	0	0.027	10	76.9%
Benzo(a)pyrene (SIM)	50-32-8	8270SIM	µg/L	13	2	11	84.6%	0.027	J	4.1	0	0.06	9	69.2%
Benzo(b)fluoranthene (SIM)	205-99-2	8270SIM	µg/L	13	2	11	84.6%	0.029	J	4.7	0	0.22	6	46.2%
Benzo(g,h,i)perylene (SIM)	191-24-2	8270SIM	µg/L	13	2	11	84.6%	0.013	J	2.5	0	0.13	6	46.2%
Benzo(k)fluoranthene (SIM)	207-08-9	8270SIM	µg/L	13	2	11	84.6%	0.019	J	1.6	0	0.4	3	23.1%
Chrysene (SIM)	218-01-9	8270SIM	µg/L	13	2	11	84.6%	0.04	J	4.7	0	1	3	23.1%
Dibenzo(a,h)anthracene (SIM)	53-70-3	8270SIM	µg/L	13	8	5	38.5%	0.027	J	0.54	0	0.022	5	38.5%
Fluoranthene (SIM)	206-44-0	8270SIM	µg/L	13	2	11	84.6%	0.04	J	6.6	0	0.8	5	38.5%
Fluorene (SIM)	86-73-7	8270SIM	µg/L	13	10	3	23.1%	0.019	J	0.11	0	3.9	0	0.0%
Indeno(1,2,3-cd)pyrene (SIM)	193-39-5	8270SIM	µg/L	13	2	11	84.6%	0.017	J	3.3	0	0.095	9	69.2%
Phenanthrene (SIM)	85-01-8	8270SIM	µg/L	13	5	8	61.5%	0.044	J	2.1	0	2.3	0	0.0%
Pyrene (SIM)	129-00-0	8270SIM	µg/L	13	2	11	84.6%	0.043	J	7	0	4.6	1	7.7%

Acronyms and Footnotes:

CAS-Chemical Abstracts Service

J-estimated: the analyte was positively identified; the quantitation is an estimation

ND-not detected

µg/L-microgram per Liter

%-percent

Note¹: The minimum and maximum detected values are given for each analyte. If the analyte was not detected in any sample, "ND" is shown for minimum or maximum detected values.

^a Includes normal and field duplicate samples.

^b Does not include sample results rejected by validation.

^c Includes all sample results validated during this reporting period regardless of sample collection date.

9.3.4.2 *TPH-d*

In the weeks following the November 2021 Release, TPH-d exceedances were reported for every sampling event at Adit 3 Sump. During the previous reporting period, there were no exceedances, and the relatively low-level concentrations were decreasing. During the current reporting period, six detections were reported in 13 sampling events, including one exceedance reported for the March 1, 2023 event.

The chromatographic fingerprint of the exceedance is due to weathered jet/kerosene/diesel. Approximately 65% of the constituent is non-polar and is not removed by SGC. BTEX is not detected, which supports that the fuel is weathered. Although an odor was not observed, the headspace VOC reading was 3.1 ppmv.

9.3.4.3 *TPH-o*

In the weeks following the November 2021 Release, TPH-o exceedances were reported for every sampling event at Adit 3 Sump, but concentrations have been decreasing since that time. During the previous reporting period, there were no exceedances, and relatively low-level concentrations were decreasing. During the current reporting period, TPH-o was detected in one sample collected on January 18, 2023. The chromatographic fingerprint of the detect exhibited peaks appearing at the same retention time as peaks observed in the method blank, which suggests laboratory contamination contributing to the detected result.

9.3.4.4 *LEAD SCAVENGERS*

One low-level detected result occurred during a November 10, 2022 sampling for 1,2-dibromoethane. Previous and subsequent sampling events were consistently not detected suggesting that the detect could have been due to instrumentation noise. As was the case during the previous reporting period, 1,2-dichloroethane was not detected at the Adit 3 Sump.

9.3.4.5 *TOTAL AND DISSOLVED LEAD*

Total lead was detected consistently in all sampling events, with a maximum concentration of 1,400 µg/L in a November 10, 2022 sampling event. An exceedance for dissolved lead occurred during the prior November 8, 2022 sampling event. Subsequent sampling events after the exceedance, dissolved lead concentrations declined. The November 10, 2022 sampling logs indicate that dark sediment was observed, which may have contributed to the maximum lead concentrations.

9.3.4.6 *BTEX*

Ethylbenzene and xylene were detected at low concentrations once, and benzene and toluene were not detected.

9.3.4.7 *VOCs*

As depicted in Appendix B.4.5, sporadic low-level, estimated detections of chloroform and chloromethane have continued to be consistent, as was the case during the previous reporting period.

9.3.4.8 *SVOCs*

Three SVOCs were detected: butylbenzylphthalate and dimethyl phthalate were each detected once, and bis(2-ethylhexyl)phthalate was detected in four sampling events, with one exceedance reported for the December 29, 2022 sampling event.

9.3.4.9 *PAHs*

Few detections of N, 1-MN, and 2-MN were reported for 13 samples collected from Adit 3 Sump during the reporting period. 1-MN was detected during four sampling events. N and 2-MN were also detected during the December 29, 2022 sampling event.

Pyrogenic PAH exceedances occurred consistently for the majority of the sampling events. Four non-pyrogenic PAHs did not have any exceedances.

All 18 PAHs were detected in the December 29, 2022 sample, with 11 PAHs exceeding the EALs. Despite the amount of heavy PAHs detected, only six samples had detections for TPH-d and one sample was detected for TPH-o; it is unusual for TPH-d and TPH-o to not be detected in the same sample where PAHs were detected or exceeded their EALs. Furthermore, many reported concentrations exceeded solubility of the pure PAH in water.

10.0 Summary of Results and Extent and Magnitude of Contamination

The reporting period's analytical results presented in Section 9.0 are summarized below, and historical context is provided for evaluating the impacts of the January 2014, May 2021, and November 2021 Releases.

10.1 Soil Vapor Impacts

10.1.1 Below-Tank Soil Vapor Monitoring Points

PID results over time for SVMPs at Tanks 17, 18, and 20 since the May 2021 Release are charted on Figure 12.

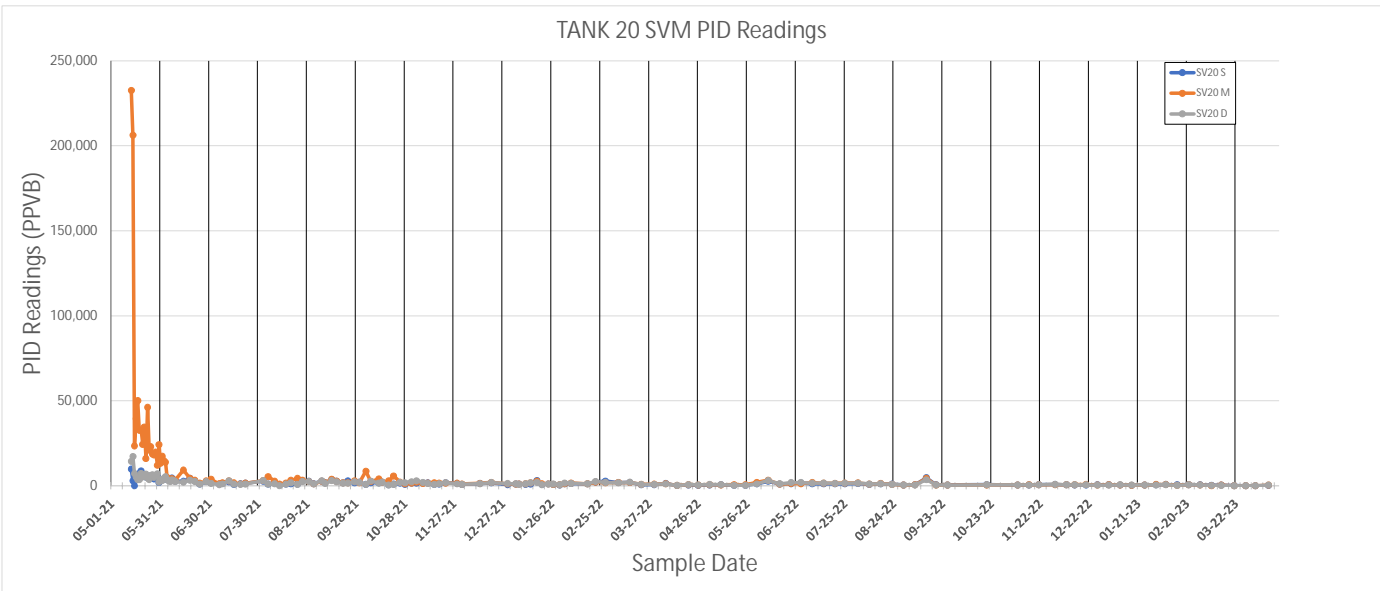
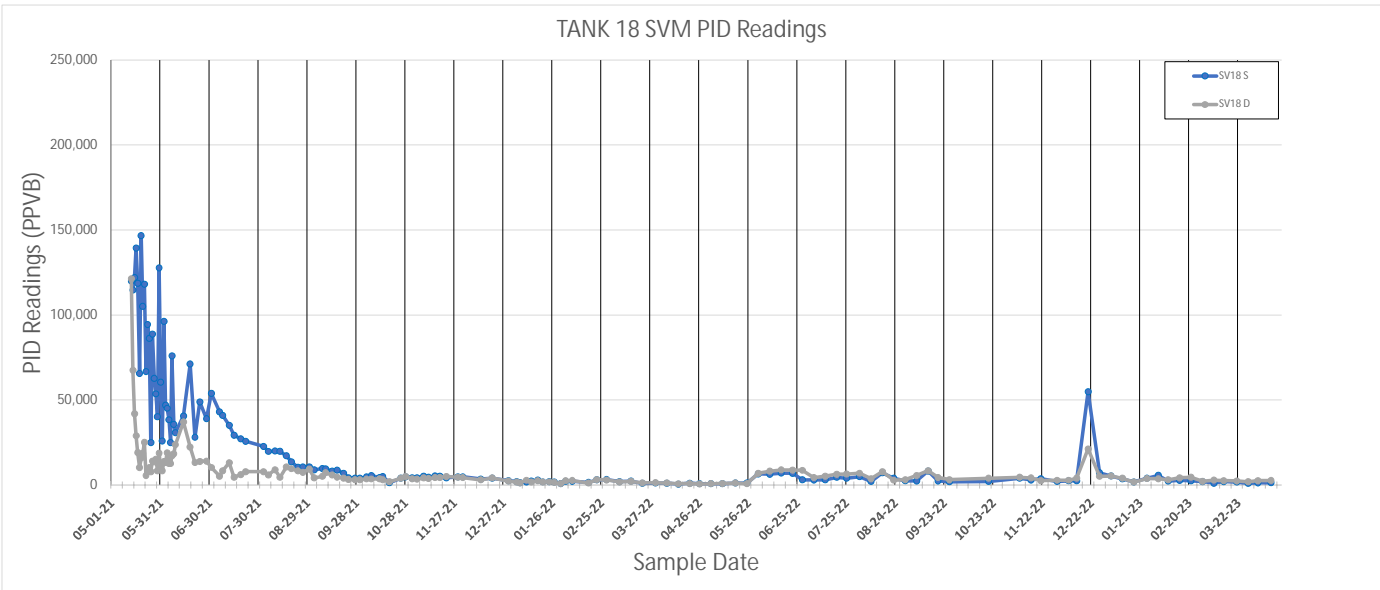
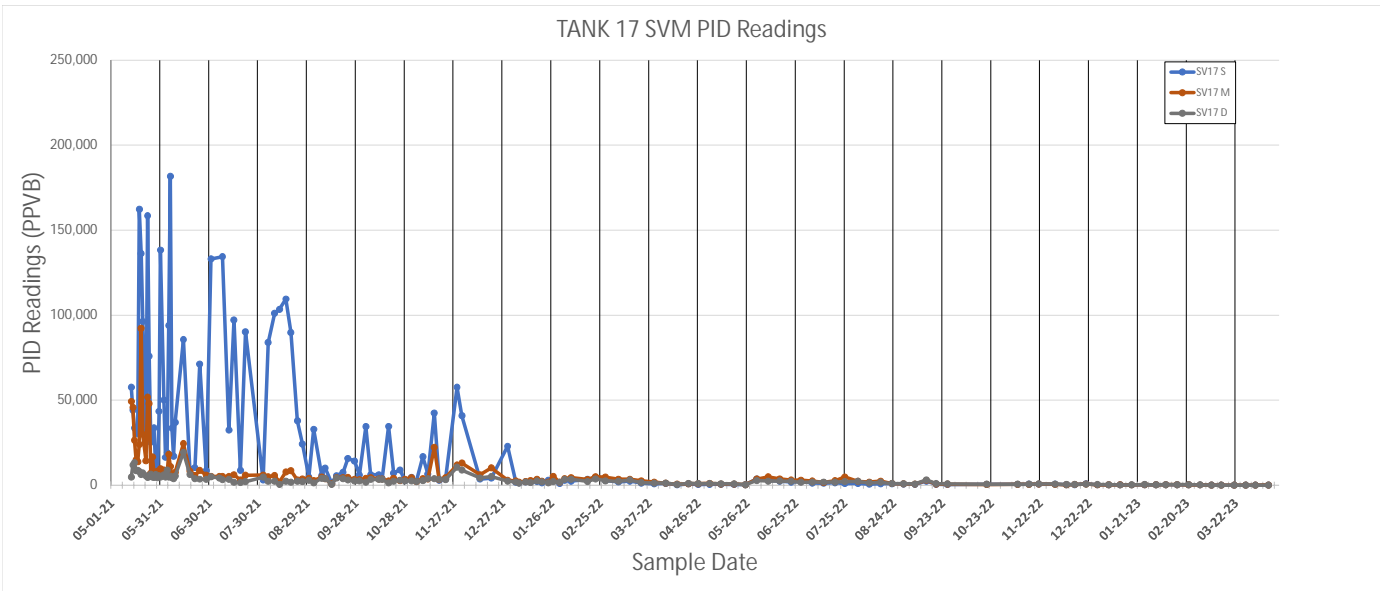


Figure 12: SVM PID Readings for Tanks 17, 18, and 20

As indicated on Figure 12, PID readings under those tanks have declined significantly since the May 2021 Release:

- At Tank 17, the highest PID reading (181,733 ppbv) was recorded on June 6, 2021 at SV17S.
- At Tank 18, the highest PID reading (146,667 ppbv) was recorded on May 19, 2021 at SV18S.
- At Tank 20, the highest PID reading (232,667 ppbv) was recorded on May 13, 2021 at SV20M.

The following observations are consistent with continued long-term biodegradation and weathering of the May 2021 Release:

- For this reporting period, all PID readings were within the range observed prior to the May 2021 Release.
- As documented in prior Quarterly RRRs, passivated canister samples collected in 2021 and early 2022 and analyzed for total VOCs by Method TO-15 and Method TO-3 served to further document weathering of the May 2021 Release over time.

Laboratory results of passivated canister samples collected during the current reporting period (i.e., February to April 2023) were similar to prior recent results. As detailed in the March 2023 Quarterly RRR (DON 2023f), the laboratory analytical results for passivated canister samples collected at SV18 on December 20, 2022 after elevated PID readings were measured there during regular monitoring did not indicate a new release of JP-5. Subsequent PID measurements at SV18 have since returned to within the range observed prior to that date (i.e., consistently less than 10,000 ppbv).

10.1.2 Adit 3 Tunnel Soil Vapor Monitoring Locations

10.1.2.1 ADIT 3 TUNNEL PID READINGS

At most Adit 3 SVMPs, the highest PID readings were recorded in December 2021 or January 2022 (Figure 9), shortly after the November 2021 Release. PID readings have generally decreased since that time, consistent with LNAPL weathering and natural attenuation.

The results of subsurface soil vapor monitoring from SVMPs installed in the floor of the Adit 3 and Pearl Harbor Tunnels indicate the following:

- The local areas of soil vapor maxima during this reporting period were consistent with those previously reported:
 - Adit 3 Tunnel release area between A3-325 and A3-375
 - Upper Pearl Harbor Tunnel, just southwest of the merge, between S2+25 and S2+100

- Between the Pearl Harbor Tunnel merge and the Water Pumping Station, between A3-100 and A3-150
- Adit 3 Sump where fuel accumulated during the release, between A3+250 and A3+375
- Within the areas of local soil vapor maximum readings, PID readings decreased over time (since commencement of NOI PID monitoring in the tunnels in December 2021).

The monitoring results for the eight out-of-frequency monitoring events conducted during the previous quarterly reporting period due to high rainfall occurrences were consistent with results from monthly events associated with periods of lower precipitation. These results suggest that rainfall events greater than 1 inch within a 24-hour period do not have a discernable impact on PID monitoring results at the Adit 3 SVMPs.

10.1.2.2 ADIT 3 TUNNEL SOIL VAPOR LABORATORY ANALYTICAL RESULTS

For this reporting period, validated laboratory analytical results are available for three of the planned six monthly sampling events (i.e. December 2022, January 2023, and February 2023).

- **Fixed Gas Results:** Methane was not detected in any samples. However, depressed oxygen and elevated carbon dioxide were detected in many samples (i.e., 24 of 57 samples exhibited oxygen of less than 18% and 12 of 57 samples had carbon dioxide above 1% by volume). These results are consistent with aerobic biodegradation of petroleum fuel.
- **Correlation Between Field PID Readings and Laboratory Results:** Eight SVMP locations are included in both the field PID monitoring program and the 6-month passivated sampler program (2S075-05, A3+150, 2S100, A3-275, A3B+000, A3-375-05, A3B-350, and A3-375). Both the field PID reading and the laboratory measurement of total VOCs by Method TO-3 should reflect the total concentration of VOCs at the sample points. For total VOCs by TO-3 (C4–C12), the field PID reading was biased high relative to the laboratory result (slope of best fit line = 1.8) and the correlation was low ($r^2 = 0.21$, Figure 13). For total VOCs by TO-3 (C4–C14), the field PID reading was unbiased relative to the laboratory result (slope of best fit line = 1.1) and the correlation was moderate ($r^2 = 0.62$). The better agreement between the field PID reading and total VOCs by TO-3 (C4–C14) is consistent with the expected presence of petroleum hydrocarbons with an effective carbon number greater than C12 in jet fuel vapors.

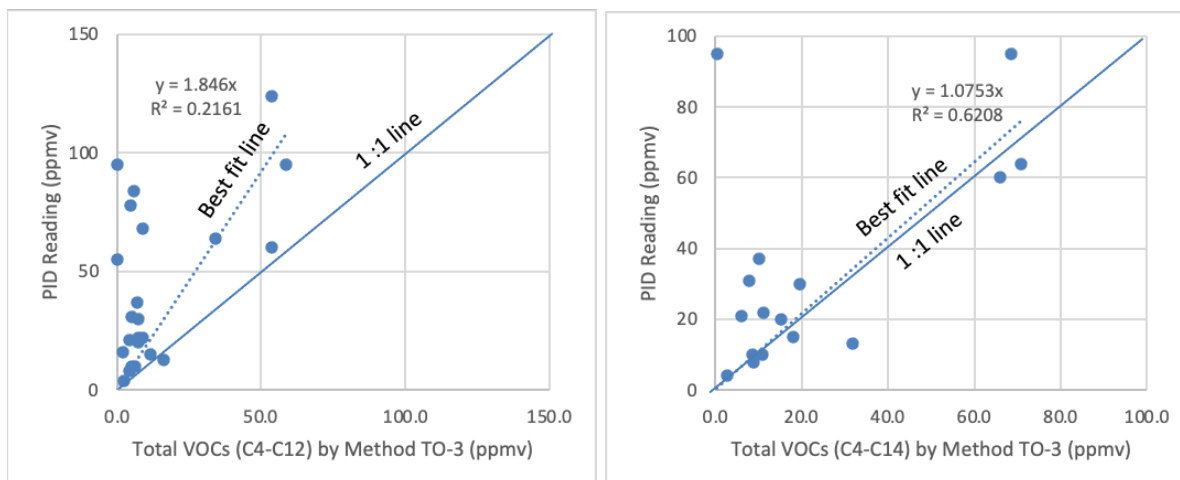


Figure 13: Correlation Between Total VOCs by TO-3 and Field PID Readings

- Attenuation and Weathering of Petroleum Vapors:** A primary utility of individual petroleum VOC (Method TO-15) and total VOC (Method TO-3) results is to document weathering and attenuation of the petroleum release over time. Temporal trends in these analytical results will be evaluated when the full set of validated laboratory analytical results is available for the 6-month sampling program.

10.2 Groundwater Impacts

Summary statistics include all NOI groundwater samples completing validation during this reporting period regardless of sample collection date.

Table 10-1 presents a summary of groundwater concentrations detected above the DOH EALs, as distilled from the Section 9 summary statistics for NOI, delineation well, and sentinel well groundwater sampling results (Table 9-2, Table 9-3, and Table 9-4, respectively).

In summary, TPH-d and TPH-o were most often detected consistently at in-tunnel sampling locations and appear to be stable. Chloroform and chloromethane were the most commonly detected analytes in general. At least one groundwater sample had detected concentrations above the DOH EAL for one of the following compounds during this reporting period: TPH-d, TPH-o, 1,2-dibromoethane, bis(2-ethylhexyl) phthalate, 1MN, 2MN, N, benzo(a)anthracene, benzo(a)pyrene and lead. The vast majority of analytes were not detected in any sample or infrequently detected. Additional details for each of these compounds detected in groundwater are summarized below.

10.2.1 TPH-g

TPH-g was detected once in RHMW01R and RHP03 and twice in RHMW02 during this reporting period. These detections were well below the reporting limit (80 µg/L) and are likely laboratory artifacts. No EAL exceedances were reported.

Table 10-1: Summary of Groundwater Result Exceedances for Sample Results Validated During this Reporting Period

Analyte					TPH-d (Eurofins Labs)	TPH-o (Eurofins Labs)	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	1,2-Dibromoethane	Lead	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)	bis(2-ethylhexyl)Phthalate
CAS No.					PHCC10C24	PHCC24C40	90-12-0	90-12-0	91-20-3	106-93-4	7439-92-1	56-55-3	50-32-8	117-81-7
Method					8015DM	8015DM	8270SIM	8270SIM	8270SIM	8011	SW6020	8270SIM	SW8270C	8270SIM
DOH Tier 1 EAL					400	500	10	10	17	0.04	5.6	0.027	0.06	3
Units					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location	Sampling Method	Sample ID ^{a, b}	Sampling Date	Type	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW02	Bailer	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	2700	—	26	21	49	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	1400	—	22	—	33	—	—	—	—	—
RHMW2254-01	Bailer	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	—	740	—	—	—	—	—	—	—	4.4
RHMW02	Bailer	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	1300	—	11	—	—	—	—	—	—	—
RHMW2254-01	Bailer	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	—	560	—	—	—	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	1900	—	—	—	—	—	—	—	—	—
RHMW03	Bailer	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	500	680	—	—	—	—	—	0.031	J	—
RHMW02	Bailer	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	1600	—	—	—	—	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	2000	—	20	15	54	—	—	—	—	—
RHMW03	Bailer	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	—	—	—	—	—	0.11	—	0.047	J	—
RHMW02	Bailer	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	2200	J	—	—	—	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	1300	—	—	—	—	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	1100	—	—	—	—	—	—	—	—	—
RHMW05	Bailer	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	—	—	—	—	—	—	6.3	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	1800	—	—	—	—	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	1700	—	11	—	18	—	—	0.063	—	—
RHMW05	Bailer	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	—	—	—	—	—	—	—	0.036	J	—
RHMW02	Bailer	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	2100	—	—	—	—	—	—	—	—	—
RHMW01R	Bailer	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	—	—	—	—	—	—	—	0.079	—	—
RHMW02	Bailer	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	2000	J-	—	—	—	—	—	0.12	J-	0.069 J

Acronyms and Footnotes:

CAS-Chemical Abstracts Service

J-estimated: the analyte was positively identified; the quantitation is an estimation

ND-not detected

V-results have been validated

µg/L-microgram per Liter

%-percent

Bold and orange shaded text indicates exceeds the Department of Health Tier 1 E/

Green text indicates results have completed third-party validation.

^a All samples validated in this reporting period were analyzed by Eurofins Labs

^b Includes all sample results validated during this reporting period regardless of sample collection date.

10.2.2 TPH-d

TPH-d was detected in all samples from in-tunnel wells RHMW01R, RHMW02 and RHMW03. These detections are stable and consistent with historical data. Detections above the DOH EAL (400 µg/L) were reported in all samples from RHMW02 and in one sample from RHMW03. TPH-d detections above the EAL have been reported consistently at well RHMW02 since it was installed in 2005.

Detections below the EAL were reported at most other NOI wells with an overall frequency of 15% with most detections less than 100 µg/L. Detections below the EAL were also reported in 100% of samples collected from delineation well RHP04B (160 to 220 µg/L) and in one sample each at RHP01 and RHP04A, as well as in 40% of the samples from sentinel well NMW24.

As depicted in Appendix B.5 and discussed in Section 9.3.1.2, the chromatographic fingerprint in RHMW02 resembles water-soluble components of jet fuel and metabolites from fuel biodegradation. The other wells with TPH-d detections do not have chromatographic profiles consistent with those observed in RHMW02 or expected from dissolved fuel components.

Furthermore, for most samples with detections reported below the EAL, SGC removed most or all the TPH-d concentrations, indicating that most or all the TPH-d is due to polar compounds or metabolites. This may be indicative (but not exclusively so) of biodegradation and weathering of fuels or may not be related to fuels and instead may be associated with naturally occurring organic matter or sample handling artifacts.

10.2.3 TPH-o

As shown on Figure 11, TPH-o concentrations at in-tunnel wells appear to be stable, and outlying wells appear to be decreasing with frequency of detections occurring less than the previous reporting periods.

TPH-o was detected in all samples from RHMW03 and all but one of the samples from RHMW02, both in-tunnel wells with historical detections for this parameter and appear to be stable. The frequency of TPH-o detection in all other wells was 6%. Detections exceeding the DOH EAL (500 µg/L) were reported only once at RHMW03 and twice at RHMW2254-01 (bailer samples).

TPH-o was detected in approximately 70% of the samples from delineation well RHP04B and infrequently or not at all in other delineation wells. TPH-o was also detected in 20% of the samples from sentinel well NMW24, but was not detected in the ten samples collected since January 11, 2023.

As with TPH-d discussed in Section 10.2.2, SGC performed on the groundwater extracts removed most or all the TPH-o concentration from most samples, indicating that TPH-o in the samples is composed of polar compounds.

As discussed in Section 9.3.1.3, there are unresolved issues with laboratory method blanks that may contribute to detections and measurement of TPH-o.

10.2.4 Lead Scavengers and Total Lead

1,2-Dibromoethane was detected above the EAL at RHMW03 on December 9, 2022, but no detections were reported in the six sampling events after that exceedance. Low-level detections of 1,2-dibromomethane were reported at RHMW08, RHMW17, RHMW2254-01 and OWDFMW04A. 1,2-chloroethane was detected at RHMW05, RHMW06, and RHMW17. These detections may be attributed to matrix interference that contributed to instrumentation noise. There are no current onsite fuel sources for 1,2-dibromoethane or 1,2-dichloroethane, and there were no TPH-g detections for the wells with positively identified lead scavengers. Detections are not related to any specific location and detections appear to be random.

Lead scavengers 1,2-dibromoethane and 1,2-dichloroethane were used in motor gasoline during leaded gasoline use (the United States banned use of lead in gasoline in 1996). In aviation gasoline, only 1,2-dibromoethane was used. Leaded fuels were last stored at the Facility in 1968 in Tanks 17 and 18 (Red Hill CSM report; DON 2019).

Total lead was detected at low-level concentrations at all wells during this reporting period except for an exceedance at RHMW05. Concentrations remained stable and consistent with historical ranges for most of the wells.

10.2.5 Full Suite VOCs Including BTEX

BTEX and six other VOCs were detected during this reporting period, none above their respective EALs.

Benzene, ethylbenzene, and total xylene detections at in-tunnel well RHMW02 are stable and consistent with historical detections indicative of a weathered LNAPL source, most likely attributable to historical releases and not to the January 2014, May 2021, or November 2021 Releases. Toluene is preferentially depleted under anaerobic conditions, which is occurring at RHMW02.

Toluene was detected once at RHMW08, and styrene was detected once at RHMW11-05, but neither were detected in other wells or in prior or subsequent monitoring events for these wells. These detections are likely false positives as both compounds are not uncommon in packaging materials and many other applications.

Current ethylbenzene and total xylene detections at RHMW02 are stable and consistent with historical detections, indicative of a weathered LNAPL source, most likely attributable to historical releases and not to the January 2014, May 2021, or November 2021 Releases. Toluene is preferentially depleted under anaerobic conditions, which is occurring at RHMW02.

Trichloroethene, carbon tetrachloride, and styrene are not associated with fuel sources. Carbon tetrachloride has been consistently detected in low concentrations in OWDFMW04A only, since August 1, 2022, and concentrations were flagged as estimated. Low-level random detections are not unexpected from analysis of samples from many different sites at commercial laboratories. VOCs have been observed in laboratory, field, or equipment QC blanks, as summarized in the data validation table (see Appendix E - Data Validation Qualifier Tables).

Chloroform, chloromethane, or both were detected in 22 groundwater wells during multiple collection events. Chloroform was detected in all sampling events from OWDFMW01, OWDFMW04A, and OWDFMW08A, and was also detected in some sampling events at RHMW06 and RHMW2254-01. These low-level VOC detects are consistent with historical data and investigations. As reported in the Red Hill CSM report (DON 2019), chloroform, chloromethane, and methyl ethyl ketone (MEK) were historically detected at RHMW01, RHMW03, and the outlying wells. The CSM report concluded that detections were not associated with the January 2014 Release and instead were associated with field or laboratory contamination, well construction, or maintenance (e.g., sampling equipment).

In addition, chloroform, chloromethane, and styrene are not present in jet fuels and middle distillates.

The other types of VOCs detected are halogenated compounds not associated with fuels and detected infrequently with the exception of chloroform and chloromethane.

10.2.6 Full Suite SVOCs

Bis(2-ethylhexyl) phthalate was detected at RHMW2254-01 (4.4 µg/L), which exceeded the EAL (3 µg/L). Various phthalates, including bis(2-ethylhexyl) phthalate, butylbenzylphthalate, diethyl phthalate and dimethyl phthalate, were detected below the EALs at in-tunnel wells, outlying wells, and ODWF wells during the sampling events; it was concluded that the detects were not associated with the fuel release and instead are likely associated with sampling equipment or laboratory contamination issues (DON 2019). Additionally, phthalates are prevalent in the environment because of their use in plastics such as PVC, which may be present in well construction materials.

Detections of SVOCs other than phthalates appear to be random and are not consistent with historical investigations.

10.2.7 PAHs

Pyrogenic PAHs, or heavy PAHs, are not found in fuels, but are commonly associated with combustion products and associated atmospheric deposition and urban run-off. Pyrogenic PAHs are anthracene, fluoranthene, pyrene, benz(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)anthracene, and benzo(b,h,i)perylene. PAHs that are heavier than naphthalenes, acenaphthene, acenaphthylene, and fluorene are removed from jet fuel sources during the distillation process. Phenanthrene can be found in fuels and combustion sources.

Consistent with historical data, PAH COPCs (N, 1MN, and 2MN) were detected primarily at in-tunnel wells RHMW01R and RHMW02 during this reporting period. Also consistent with historical data, exceedances for these three COPCs were reported only for RHMW02. In addition to the PAH COPCs, other non-pyrogenic or petrogenic PAHs (acenaphthene, acenaphthylene and fluorene and phenanthrene) were detected primarily at RHMW01R and RHMW02.

Naphthalene was reported once for RHMW04, RHMW05, RHMW17, RHMW2254-01 and OWDFMW08A. 1MN was reported once for RHMW05. Phenanthrene was also detected in three samples from RHMW03 and in two samples from RHMW05 (both in-tunnel wells). Acenaphthylene and fluorene were detected during one collection event at RHMW16.

One or more pyrogenic PAHs were detected at a few sampling events during this reporting period at in-tunnel wells RHMW01R, RHMW02, RHMW03, and RHMW05. The only EAL exceedance was at RHMW03 for benzo(a)anthracene. In outlying wells, one or more pyrogenic PAHs were detected during one sampling event at RHMW08, RHMW14-03, RHMW16 and RHMW2254-01. These detections may be related to sources other than fuel stored at or released from the Facility or sampling/analysis artifacts.

Generally, the limit of detection of the method is greater than the EAL. PAHs have also been observed in laboratory, field, or equipment QC blanks, as summarized in the data validation table (see Appendix E - Data Validation Qualifier Tables), which calls into question the reliability or representativeness of these data.

Non-pyrogenic PAHs (or petrogenic PAHs) detected during multiple sampling events at RHMW01R and RHMW02 appear stable. Other PAH detections in other wells are infrequent and inconsistent. Non-pyrogenic PAHs are commonly found in petroleum, including middle distillates such as JP-5. Non-pyrogenic PAHs that are present in kerosene or jet fuels include 1MN, 2MN, N, and, to lesser extents, acenaphthene, acenaphthylene, and fluorene.

Phthalates (bis(2-ethylhexyl) phthalate, diethyl phthalate, dimethyl phthalate, and butylbenzylphthalate) are not commonly associated with fuel and are found mainly in solvents used as wetting agents and as plasticizers. The phthalate detections may also be indicators of sampling equipment or laboratory contamination issues, as supported by blank contamination and failing QC criteria.

Detections of SVOCs other than phthalates appear to be random and are not consistent with historical investigations.

10.2.8 Natural Attenuation Parameters

Samples from newly installed delineation well were analyzed for NAPs during the initial two to three sampling events after well completion. The minimum and maximum concentrations and frequency of detection are summarized in Table 9-3. The absence of dissolved-phase COPCs coupled with the NAP results (e.g., low to no methane, low ferrous iron, and moderate [not low] levels of nitrate)

indicate that the installed delineation wells have not been impacted by petroleum hydrocarbons, and no appreciable biodegradation is occurring in these locations.

10.2.9 Adit 3 Sump Water

Table 9-5 presents summary statistics for the Adit 3 sampling results during this reporting period.

TPH-d was detected at low concentrations in six of 13 samples, with an exceedance of TPH-d at 490 µg/L slightly above the EAL (400 µg/L) for the March 1, 2023 collection event. The chromatographic fingerprint of the TPH-d exceedance indicates the presence of weathered jet/kerosene/diesel. Approximately 65% of the constituent is non-polar and is not removed by SGC. Although an odor was not noticed, the headspace VOC reading was 3.1 ppmv. TPH-o was detected in only one sample during this reporting period.

The three SVOCs detected during the reporting period (Butylbenzylphthalate, dimethyl phthalate, and bis(2-ethylhexyl)phthalate are common plasticizers and sampling/laboratory contaminants.

Currently, Adit 3 Sump water concentrations appear to be relatively stable, and detections are likely representative of anthropogenic combustion sources rather than releases of fuel sources. All 18 PAHs were detected in the Adit 3 Sump December 29, 2022 sample, with 11 PAHs exceeding the EALs. The concentration of many of the reported PAHs exceeded solubility of the pure PAH in water. Therefore, it is likely that the PAHs are associated with particulate matter from atmospheric deposition and urban runoff that are carriers of particulate matter from combustion products. These PAH detections are consistent for previous detections of the heavy PAHs in Adit 3 from past sampling events. However, control measures are recommended to reduce intrusion from the outside environment into the Sump.

11.0 Conclusions and Recommendations

11.1 Conclusions

Soil Vapor Impacts. The magnitude of soil vapor impacts associated with the fuel releases continue to decrease over time, consistent with natural attenuation and weathering of LNAPL in the environment.

Groundwater Impacts. In general, contaminant concentrations appear to be either declining (in most areas) or stable (near the tank farm) over time. Groundwater impacts primarily include elevated concentrations of TPH-d and TPH-o at in-tunnel sampling location RHMW02 and to a lesser extent at other in-tunnel wells RHMW01R and RHMW03. Concentrations of all formerly elevated COPCs near Red Hill Shaft have decreased considerably since operation of skimmers, sorbents, and the Red Hill Shaft GAC treatment system commenced, with most results non-detect.

The chromatographic profiles for the low-level, below-EAL detections of TPH-d and TPH-o reported at delineation well RHP04B and sentinel well NMW24 during this reporting period are not consistent with those expected from dissolved fuel components.

11.2 Recommendations and Planned Future Actions

Extensive sampling and monitoring activities in response to the fuel releases are ongoing. Data are being collected to:

- Evaluate the impact and extent of the releases to the environment.
- Evaluate the effectiveness of the Red Hill Shaft GAC pump and treat system in containing impacted groundwater and preventing additional migration of contaminants.
- Monitor potential future migration of contaminants and potential impacts to offsite receptors including existing and newly installed Navy wells and additional wells identified while working in coordination with the Honolulu BWS.
- Evaluate remedial alternatives and determine future remediation strategies.
- Conduct pilot testing as needed to evaluate remediation effectiveness and optimize remedial alternatives.

Release response actions for the Adit 3 vadose zone were performed in accordance with the *Preliminary Site Characterization Plan* (DON 2022a). The results of the Adit 3 in-tunnel investigation of the vadose zone (OU-1) were provided to the Regulatory Agencies in a draft report on May 19, 2023 (DON 2023g); results of the saturated-zone investigation (OU-2) will be presented in a future report once investigation activities are completed and laboratory analytical reports have been finalized.

The NOI groundwater sampling and analysis program will change effective June 2023, as documented in the *Consolidation and Optimization of the Groundwater Sampling Programs* memorandum provided to the Regulatory Agencies on May 18, 2023.

The Navy recommends continued soil vapor and groundwater sampling, site characterization at Adit 3, including installation of an additional deep SVMP, conducting initial site characterization activities at the CHT Tank area outside Adit 3, data gathering, and associated analyses in coordination with DOH. The Navy is also expanding the groundwater monitoring well network (including sentinel wells) as part of plume delineation efforts and to monitor groundwater quality between Red Hill and offsite water supply wells.

The Navy will finalize the following technical memorandum and reports once comments are received from the Regulatory Agencies:

- Technical Memorandum, Holding Tank and Leach Tank Characterization, November 2021 Pipeline Release; November 2022
- Draft Closure Report, Concrete Tank Removal; January 2023
- Consolidation and Optimization of the Groundwater Sampling Programs, Red Hill Bulk Fuel Storage Facility; May 18, 2023

- Draft Site Characterization Report, November 2021 JP-5 Release in Adit 3, Operable Unit 1; May 19, 2023

The Navy will continue site characterization efforts and implement pilot projects once the Regulatory Agencies review and approve the following WPs:

- Site Characterization Plan Addendum – Collection, Hold, and Transfer Tank Overflow Site Characterization, November 2021 Release; November 2022
- Draft Shallow Soil Vapor Extraction and Air Sparging Work Plan; January 9, 2023
- Draft Natural Source-Zone Depletion Work Plan; February 23, 2023
- Draft Deep Soil Vapor Extraction Work Plan; February 27, 2023
- Site Characterization Plan Addendum, Additional Nested Deep Soil Vapor Monitoring Points in Adit 3 Tunnel; March 8, 2023
- Sentinel and Monitoring Well Installation Work Plan Addendum #1; May 19, 2023

12.0 References

Department of Defense and Department of Energy, United States (DoD and DOE). 2021. *Department of Defense (DoD) and Department of Energy (DOE) Consolidated Quality Systems Manual (QSM) for Environmental Laboratories*. DoD/DOE QSM Ver. 5.4. Prepared by DoD Environmental Data Quality Workgroup and DOE Consolidated Audit Program Operations Team.

Department of Defense, United States (DoD). 2021. *Data Validation Guidelines Module 4: Data Validation Procedure for Organic Analysis by GC*. SW-846 8000 Series. Environmental Data Quality Workgroup. March.

Department of Health, State of Hawaii (DOH). 2005. *Subject: Request for No Further Action Determination for the Red Hill Oily Waste Disposal Facility*. Letter from: M. K. Miyasaka, Hawaii DOH Hazard Evaluation and Emergency Response Office, to: D. Ige, Naval Facilities Engineering Command, Pacific. April 11.

———. 2017. *Evaluation of Environmental Hazards at Sites with Contaminated Soil and Groundwater, Hawai‘i Edition*. Hazard Evaluation and Emergency Response. Revised 2017. Fall.

———. 2021a. *Notice of Interest in a Release or Threatened Release of Hazardous Substances: Red Hill Bulk Fuel Storage Facility, Pearl Harbor, HI. Case No.: 20210507-0852 JP-5 Spill That Occurred on 6 May 2021*. Letter from: Keith Kawaoka, Hawaii DOH Deputy Director for Environmental Health; to: Admiral R. B. Chadwick II, Navy Region Hawaii. May 10.

———. 2021b. *Release Confirmation and Request for Information*. Letter from: Keith Kawaoka, Hawaii DOH Deputy Director for Environmental Health; to: Rear Admiral R. B. Chadwick II,

Navy Region Hawaii. U0636RK. June 6. Subject: Red Hill Bulk Fuel Facility, Pearl Harbor, Hawaii. UST Facility ID No. 9-102271/UST Release ID No. 210012; HEER Incident Release Case No. 20210507-0852.

———. 2021c. *Technical Guidance Manual for the Implementation of the Hawaii State Contingency Plan*. Interim Final. Honolulu, HI: Hazard Evaluation and Emergency Response Office. November 12, 2008. Latest Update: July 2021.

———. 2021d. *Notice of Interest in a Release or Threatened Release of Hazardous Substances: Red Hill Bulk Fuel Storage Facility, Pearl Harbor, HI*. HEER Incident Release Case No.: 20211120-2330. Letter from: K. Ho, Hawaii DOH Deputy Director for Environmental Health; to: Rear Admiral T. Kott, Navy Region Hawaii. November 24.

Department of the Navy (DON). 1996. *Phase I Remedial Investigation Report, Red Hill Oily Waste Disposal Facility, Fleet and Industrial Supply Center, Pearl Harbor, Oahu, Hawaii, Volume I, Technical Report*. Prepared by Ogden Environmental and Energy Services Co., Inc., Honolulu, HI. Pearl Harbor, HI: Naval Facilities Engineering Command, Pacific. January.

———. 1999. *Initial Phase II Site Characterization Report, Fleet Industrial Supply Center Bulk Fuel Storage Facility at Red Hill*. Prepared by Ogden Environmental and Energy Services Co., Inc., Honolulu, HI. Pearl Harbor, HI: Naval Facilities Engineering Command, Pacific. March.

———. 2000. *Remedial Investigation Phase II, Red Hill Oily Waste Disposal Facility, Halawa, Oahu, Hawaii*. Prepared by Earth Tech, Inc., Honolulu, HI. Volume I, Technical Report. Pearl Harbor, HI: Naval Facilities Engineering Command, Pacific. September.

———. 2002. *Red Hill Bulk Fuel Storage Facility Investigation Report (Final) for Fleet Industrial Supply Center (FISC), Oahu, Hawaii*. Prepared by AMEC Earth&Environmental, Inc., Huntsville, AL. Pearl Harbor, HI: Naval Facilities Engineering Command, Pacific. August.

———. 2005. *Quarterly Groundwater Monitoring Reports, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, Oahu, Hawaii*. 2005–Present. Prepared by Dawson Group, Inc.; TEC, Inc.; Environet, Inc.; Environmental Science International, Inc.; Element Environmental, LLC; and AECOM Technical Services, Inc. Prepared for Naval Facilities Engineering Command, Hawaii, JBPHH HI.

———. 2007. *Red Hill Bulk Fuel Storage Facility Final Technical Report, Pearl Harbor, Hawaii*. Prepared by TEC, Inc. Pearl Harbor, HI: Naval Facilities Engineering Command, Pacific. August.

———. 2008a. *Monthly Soil Vapor Monitoring Reports, Red Hill Bulk Fuel Storage Facility*. 2008–Present. Prepared for Naval Facilities Engineering Command, Hawaii, JBPHH HI.

- . 2008b. *Red Hill Bulk Fuel Storage Facility Final Groundwater Protection Plan, Pearl Harbor, Hawaii*. Prepared by TEC Inc. Includes December 2009 Revisions to the Red Hill Groundwater Protection Plan. Pearl Harbor, HI: Naval Facilities Engineering Command, Pacific. January.
- . 2008c. *Tank 17 Removal Action Report, Red Hill Fuel Storage Facility, Pearl Harbor, Oahu, Hawaii*. Prepared by TEC Inc., Honolulu, HI. Pearl Harbor, HI: Commander, Navy Region Hawaii, Environmental Department, Code N45. September.
- . 2010. *Type 1 Letter Report – Re-Evaluation of the Tier 3 Risk Assessment/Groundwater Model & Proposed Course of Action Red Hill Bulk Fuels Storage Facility, Pearl Harbor, HI*. Prepared by TEC Inc. Prepared for Naval Fleet Engineering Service Center and Pearl Harbor Naval Base Fleet Industrial Supply Center. May 4.
- . 2014a. *Tank 5 Initial and Quarterly Release Response Reports, Red Hill Bulk Fuel Storage Facility, JBPHH, Oahu, Hawaii*. April 2014–Present. Prepared by Commander Navy Region Hawaii Environmental Department, Code N45, JBPHH HI.
- . 2014b. *Interim Update, Red Hill Bulk Fuel Storage Facility Final Groundwater Protection Plan, Pearl Harbor, Hawaii. (January 2008)*. Pearl Harbor, HI: Naval Facilities Engineering Command, Pacific. August.
- . 2015. *Final Project Procedures Manual, U.S. Navy Environmental Restoration Program, NAVFAC Pacific*. JBPHH HI: Naval Facilities Engineering Command, Pacific. May.
- . 2017a. *Work Plan/Scope of Work, Investigation and Remediation of Releases and Groundwater Protection and Evaluation, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O’ahu, Hawai‘i; January 4, 2017, Revision 02*. Prepared by AECOM Technical Services, Inc., Honolulu, HI. Prepared for Defense Logistics Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Command, Hawaii, JBPHH HI.
- . 2017b. *Sampling and Analysis Plan, Investigation and Remediation of Releases and Groundwater Protection and Evaluation, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O’ahu, Hawai‘i; January 19, 2017, Revision 00*. Prepared by AECOM Technical Services, Inc., Honolulu, HI. Prepared for Defense Logistics Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Command, Hawaii, JBPHH HI.
- . 2017c. *Sampling and Analysis Plan, Investigation and Remediation of Releases and Groundwater Protection and Evaluation, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O’ahu, Hawai‘i; April 20, 2017, Revision 01*. Prepared by AECOM Technical Services, Inc., Honolulu, HI. Prepared for Defense Logistics Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Command, Hawaii, JBPHH HI.

- . 2017d. *Sampling and Analysis Plan Addendum 01, Investigation and Remediation of Releases and Groundwater Protection and Evaluation, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i; September 1, 2017, Revision 00*. Prepared by AECOM Technical Services, Inc., Honolulu, HI. Prepared for Defense Logistics Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Command, Hawaii, JBPHH HI.
- . 2017e. *Sentinel Well Network Development Plan, Investigation and Remediation of Releases and Groundwater Protection and Evaluation, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i; December 11, 2017, Revision 00*. Prepared by AECOM Technical Services, Inc., Honolulu, HI. Prepared for Defense Logistics Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Command, Hawaii, JBPHH HI.
- . 2018a. *Seismic Profiling to Map Hydrostratigraphy in the Red Hill Area, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i; March 30, 2018, Revision 00*. Prepared by Lee Liberty and James St. Claire, Boise State University, Boise, ID, for AECOM Technical Services, Inc., Honolulu, HI. Boise State University Technical Report BSU CGISS 18-01. Prepared for Defense Logistics Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Command, Hawaii, JBPHH HI.
- . 2018b. *Conceptual Site Model, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i; July 27, 2018, Revision 00*. Prepared by AECOM Technical Services, Inc., Honolulu, HI. Prepared for Defense Logistics Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Command, Hawaii, JBPHH HI.
- . 2018c. *Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i; July 27, 2018, Revision 00*. Prepared by AECOM Technical Services, Inc., Honolulu, HI. Prepared for Defense Logistics Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Command, Hawaii, JBPHH HI.
- . 2019. *Conceptual Site Model, Investigation and Remediation of Releases and Groundwater Protection and Evaluation, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i; June 30, 2019, Revision 01*. Prepared by AECOM Technical Services, Inc., Honolulu, HI. Prepared for Defense Logistics Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Command, Hawaii, JBPHH HI.
- . 2020a. *Groundwater Flow Model Report, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i; March 25, 2020, Revision 00*. Prepared by AECOM Technical Services, Inc., Honolulu, HI. Prepared for Defense Logistics Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Command, Hawaii, JBPHH HI.
- . 2020b. *Investigation and Remediation of Releases Report, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i; March 25, 2020, Revision 00*. Prepared by AECOM Technical Services, Inc., Honolulu, HI. Prepared for Defense Logistics

Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Command, Hawaii, JBPHH HI.

- . 2020c. *Evaluation of Chromatograms for Understanding TPH Detections in Monitoring Wells, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i*. Prepared by AECOM Technical Services, Inc. JBPHH HI: Naval Facilities Engineering Command, Hawaii. Final, September.
- . 2021a. *Initial Site Characterization Report, Red Hill Bulk Fuel Storage Facility, JBPHH O‘ahu Hawai‘i*. JBPHH HI: Commander, Navy Region Hawaii. August.
- . 2021b. *Initial Release Response Report, Pipeline Breach in Tunnel Red Hill Bulk Fuel Storage Facility JBPHH O‘ahu Hawai‘i*. Prepared by AECOM Technical Services, Inc. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. September.
- . 2021c. *Subject: Red Hill Bulk Fuel Storage Facility Request for Information – Addendum, DOH Facility ID No. 9-102271, DOH Release ID No. 210012*. Letter from: J. G. Meyer, Navy Region Hawaii; to: Roxanne Kwan, Hawaii DOH Solid and Hazardous Waste Branch. 5090, SerN45/053. October 1.
- . 2021d. *Quarterly Release Response Report, Pipeline Breach in Tunnel Red Hill Bulk Fuel Storage Facility JBPHH, O‘ahu, Hawai‘i*. Prepared by AECOM Technical Services, Inc. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. December.
- . 2022a. *Preliminary Site Characterization Plan, November 2021 Release, U.S. Navy Well 2254-01, JBPHH, O‘ahu, Hawai‘i*. Prepared by AECOM Technical Services, Inc. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. January.
- . 2022b. *Technical Memorandum, Holding Tank and Leach Tank Characterization, November 2021 Pipeline Release, Red Hill Bulk Fuel Storage Facility JBPHH, O‘ahu, Hawai‘i February 2022*. Prepared for NAVFAC Hawaii by AECOM Technical Services, Inc. DOH Facility ID No. 9-102271; DOH Release ID No 20211120_2330. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. February.
- . 2022c. *Initial Release Response Report, Fire Suppression Drain Line, Red Hill Bulk Fuel Storage Facility JBPHH, O‘ahu, Hawai‘i*. Prepared for NAVFAC Hawaii by AECOM Technical Services, Inc. DOH Facility ID No. 9-102271; DOH HEER Incident Release Case No. 20211120-2330. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. February 25.
- . 2022d. *Quarterly Release Response Report, May 6 and November 20, 2021 Releases, Red Hill Bulk Fuel Storage Facility, JBPHH, O‘ahu, Hawai‘i*. Prepared for NAVFAC Hawaii by AECOM Technical Services, Inc. DOH Facility ID No. 9-102271; DOH UST Release ID No.

210012; DOH HEER Release Incident Case Nos. 20210507-0852, 20211120-2330. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. April 6.

———. 2022e. *Site Characterization Plan Adit 3 LNAPL Step-Out Addendum November 2021 Release, U.S. Navy Well 2254-01 Red Hill Bulk Fuel Storage Facility Joint Base Pearl Harbor-Hickam Oahu HI*. Prepared by AECOM Technical Services, Inc. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. July.

———. 2022f. *Quarterly Release Response Report, May 6 and November 20, 2021 Releases, Red Hill Bulk Fuel Storage Facility, JBPHH, O‘ahu, Hawai‘i*. Prepared for NAVFAC Hawaii by AECOM Technical Services, Inc. DOH Facility ID No. 9-102271; DOH UST Release ID No. 210012; DOH HEER Release Incident Case Nos. 20210507-0852, 20211120-2330. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. July 7.

———. 2022g. *Findings from ROV Inspection #2 Video Review of Red Hill Water Development Tunnel, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i*. JBPHH HI: Naval Facilities Engineering Command, Hawaii. August.

———. 2022h. *Quarterly Release Response Report, May 6 and November 20, 2021 Releases, Red Hill Bulk Fuel Storage Facility, JBPHH, O‘ahu, Hawai‘i*. Prepared for NAVFAC Hawaii by AECOM Technical Services, Inc. DOH Facility ID No. 9-102271; DOH UST Release ID No. 210012; DOH HEER Release Incident Case Nos. 20210507-0852, 20211120-2330. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. October 3.

———. 2022i. *Site Characterization Plan Addendum Collection, Hold, and Transfer Tank Overflow Site Characterization November 2021 Release, Red Hill Bulk Fuel Storage Facility Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i*. Naval Facilities Engineering Systems Command Hawaii. November.

———. 2022j. *Draft Final Technical Memorandum, Phase 2 Holding Tank and Leach Tank Characterization, November 2021 Pipeline Release, Red Hill Bulk Fuel Storage Facility JBPHH, O‘ahu, Hawai‘i*. Prepared for NAVFAC Hawaii by AECOM Technical Services, Inc. DOH Facility ID No. 9-102271; DOH Release ID No 20211120_2330. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. November 22.

———. 2022k. *Final Sentinel and Monitoring Well Installation Work Plan, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O‘ahu, Hawai‘i. Revision 02, October 24*. Prepared by AECOM Technical Services, Inc. Honolulu, HI: Prepared for Defense Logistics Agency Energy, Fort Belvoir, VA, under Naval Facilities Engineering Systems Command, Hawaii.

———. 2022l. *Quarterly Release Response Report, Red Hill Bulk Fuel Storage Facility, JBPHH, O‘ahu, Hawai‘i*. Prepared for NAVFAC Hawaii by AECOM Technical Services, Inc. DOH Facility ID No. 9-102271; DOH UST Release ID Nos. 140010, 210012; DOH HEER Release

Incident Case Nos. 20210507-0852, 20211120-2330. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. December 21.

———. 2023a. *Draft Closure Report, Concrete Tank Removal, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, Oahu, Hawaii*. Prepared for Naval Facilities Engineering Systems Command Pacific by: Cape Environmental Management Inc, Honolulu, Hawaii. January.

———. 2023b. *Draft Shallow Soil Vapor Extraction and Air Sparging Work Plan Red Hill Drinking Water Shaft Joint Base Pearl Harbor-Hickam Oahu HI*. Prepared by AECOM Technical Services, Inc. JBPHH HI: Naval Facilities Engineering Systems Command, Pacific. January.

———. 2023c. *Draft Deep Soil Vapor Extraction Pilot Study Work Plan Red Hill Bulk Fuel Storage Facility Joint Base Pearl Harbor-Hickam O'ahu HI*. Prepared by AECOM Technical Services, Inc. JBPHH HI: Naval Facilities Engineering Systems Command, Pacific. February.

———. 2023d. *Draft Natural Source-Zone Depletion Work Plan Red Hill Bulk Fuel Storage Facility Joint Base Pearl Harbor-Hickam O'ahu HI*. Prepared by AECOM Technical Services, Inc. JBPHH HI: Naval Facilities Engineering Systems Command, Pacific. February.

———. 2023e. *Technical Memorandum: In-Progress Data Report, Adit 3 Site Characterization, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, Oahu, Hawaii*. February 23, 2023. JBPHH HI: Navy Facilities and Engineering Command, Hawaii.

———. 2023f. *Quarterly Release Response Report, Red Hill Bulk Fuel Storage Facility, JBPHH, O'ahu, Hawai'i*. Prepared for NAVFAC Hawaii by AECOM Technical Services, Inc. DOH Facility ID No. 9-102271; DOH UST Release ID Nos. 140010, 210012; DOH HEER Release Incident Case Nos. 20210507-0852, 20211120-2330. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. March 22.

———. 2023g. *Draft Site Characterization Report, November 2021 JP-5 Release in Adit 3, Operable Unit 1, Red Hill Bulk Fuel Storage Facility, JBPHH, O'ahu, Hawai'i*. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii. March.

———. 2023h. *DRAFT To NAVY-- Sentinel and Monitoring Well Installation Work Plan Addendum #1, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O'ahu, Hawai'i*. JBPHH HI: Naval Facilities Engineering Command, March.

———. 2023i. *Consolidation and Optimization of the Groundwater Sampling Programs, Red Hill Bulk Fuel Storage Facility, Joint Base Pearl Harbor-Hickam, O'ahu, Hawai'i*. Enclosure 1 to May 18 Letter 5090, Ser N4/143 from: C. J. Geertsema, by Direction of Commander, Navy Region Hawaii; to Red Hill Project Coordinators G. Scavello, U.S. Environmental Protection

- Agency, Region 9. and K. A. Lee, State of Hawai'i Department of Health. JBPHH HI: Naval Facilities Engineering Systems Command, Hawaii, May.
- Environmental Protection Agency, United States, Region 9; and Department of Health, State of Hawaii (EPA Region 9 and DOH). 2015. *Administrative Order on Consent In the Matter of Red Hill Bulk Fuel Storage Facility, EPA Docket No: RCRA 7003-R9-2015-01; DOH Docket No: 15-UST-EA-01*. September.
- Giambelluca, T. W., M. A. Nullet, and T. A. Schroeder. 1986. *Rainfall Atlas of Hawaii*. Report R76. Honolulu, HI: Department of Land and Natural Resources, Division of Water and Land Development. June.
- Hunt Jr., C. D. 1996. *Geohydrology of the Island of Oahu, Hawaii*. Professional Paper 1412-B. Regional Aquifer-System Analysis—Oahu, Hawaii. U.S. Geological Survey.
- Interagency Drinking Water System Team (IDWST). 2022. *Red Hill Shaft Recovery and Monitoring Plan (RHSRMP), JBPHH, O'ahu, Hawai'i*. Navy, Army, State of Hawaii Department of Health, and United States Environmental Protection Agency. January.
- Izuka, S. K. 1992. *Geology and Stream Infiltration of North Halawa Valley, Oahu, Hawaii*. Prepared in cooperation with the State of Hawaii Department of Transportation. Honolulu, HI. Water-Resources Investigations Report 91-4197. U.S. Geological Survey.
- Izuka, S. K., J. A. Engott, K. Rotzoll, M. Bassiouni, A. G. Johnson, L. D. Miller, and A. Mair. 2018. *Volcanic Aquifers of Hawai'i—Hydrogeology, Water Budgets, and Conceptual Models*. Ver. 2.0, March 2018. Scientific Investigations Report 2015–5164. Water Availability and Use Science Program. U.S. Geological Survey.
- Izuka, S. K., and K. Rotzoll. 2023. *Volcanic Aquifers of Hawai'i—Contributions to Assessing Groundwater Availability on Kaua'i, O'ahu, and Maui*. Professional Paper 1876. U.S. Geological Survey. <https://doi.org/10.3133/pp1876>.
- Juvik, S. P., and J. O. Juvik, eds. 1998. *Atlas of Hawaii*. Honolulu, HI: University of Hawaii Press.
- Macdonald, G. A., A. T. Abbott, and F. L. Peterson. 1983. *Volcanoes in the Sea: The Geology of Hawaii*. 2nd ed. Honolulu, HI: University of Hawaii Press.
- United States Department of Agriculture, Soil Conservation Service (USDA SCS). 1972. *Soil Survey of Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii*. In cooperation with the University of Hawaii Agricultural Experiment Station. Washington, DC. August. <https://www.nrcs.usda.gov/wps/portal/nrcs/surveylist/soils/survey/state/?stateId=HI>.
- Wentworth, C. K., and G. A. Macdonald. 1953. *Structures and Forms of Basaltic Rocks in Hawaii*. Geological Survey Bulletin 994. U.S. Geological Survey.

This page intentionally left blank

Appendix A – Soil Vapor Results

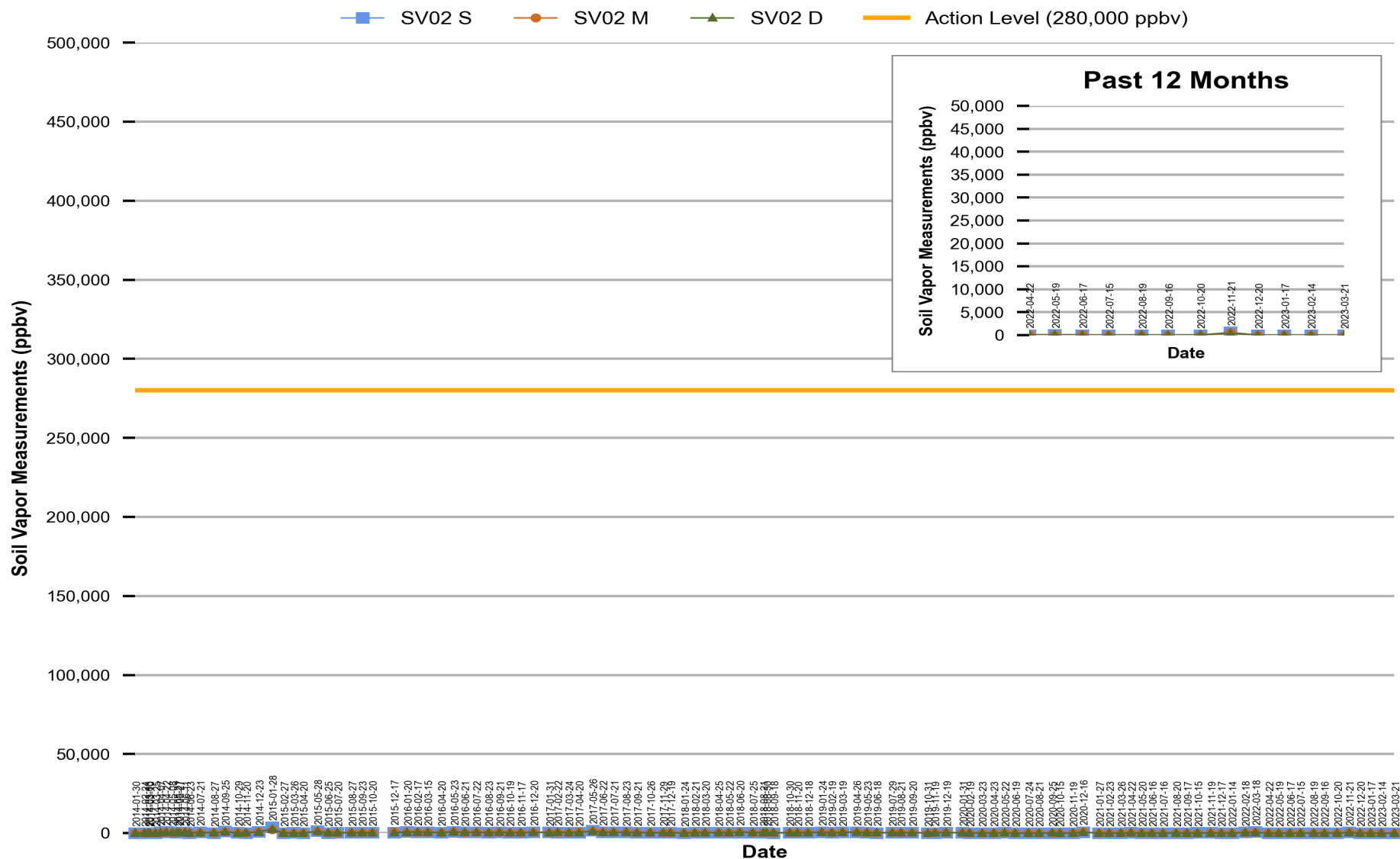
Appendix A.1 – AOC Soil Vapor Measurements Collected Below Tanks, January 2014 through March 2023

Appendix A.2 – NOI Soil Vapor PID Concentrations

Appendix A.3 – NOI Soil Vapor Chromatograms

Appendix A.1 – AOC Soil Vapor Measurements Collected Below Tanks, January 2014 through March 2023

Figure 1
Red Hill - Tank 02 (F-24)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



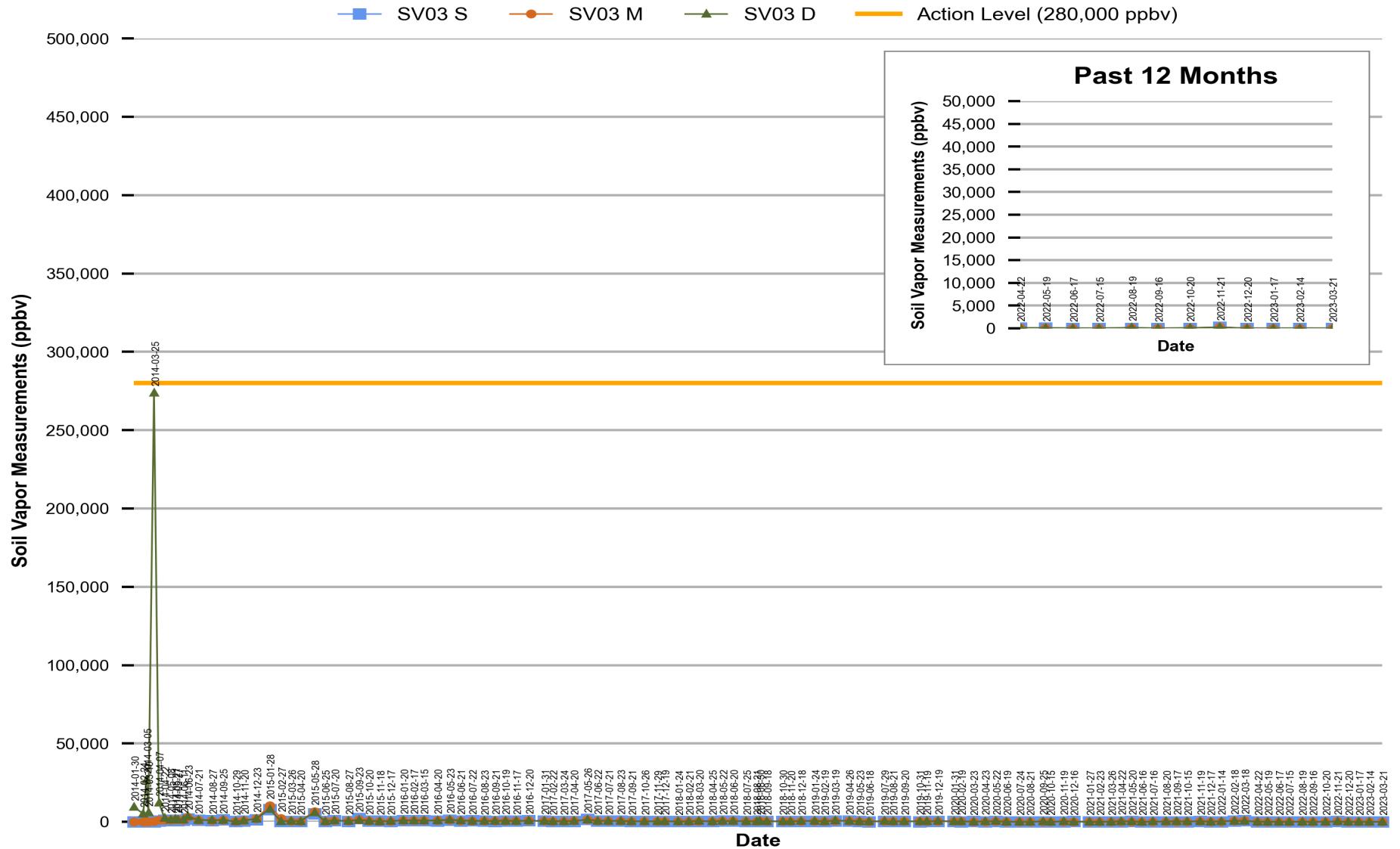
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Figure 2
Red Hill - Tank 03 (F-24)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



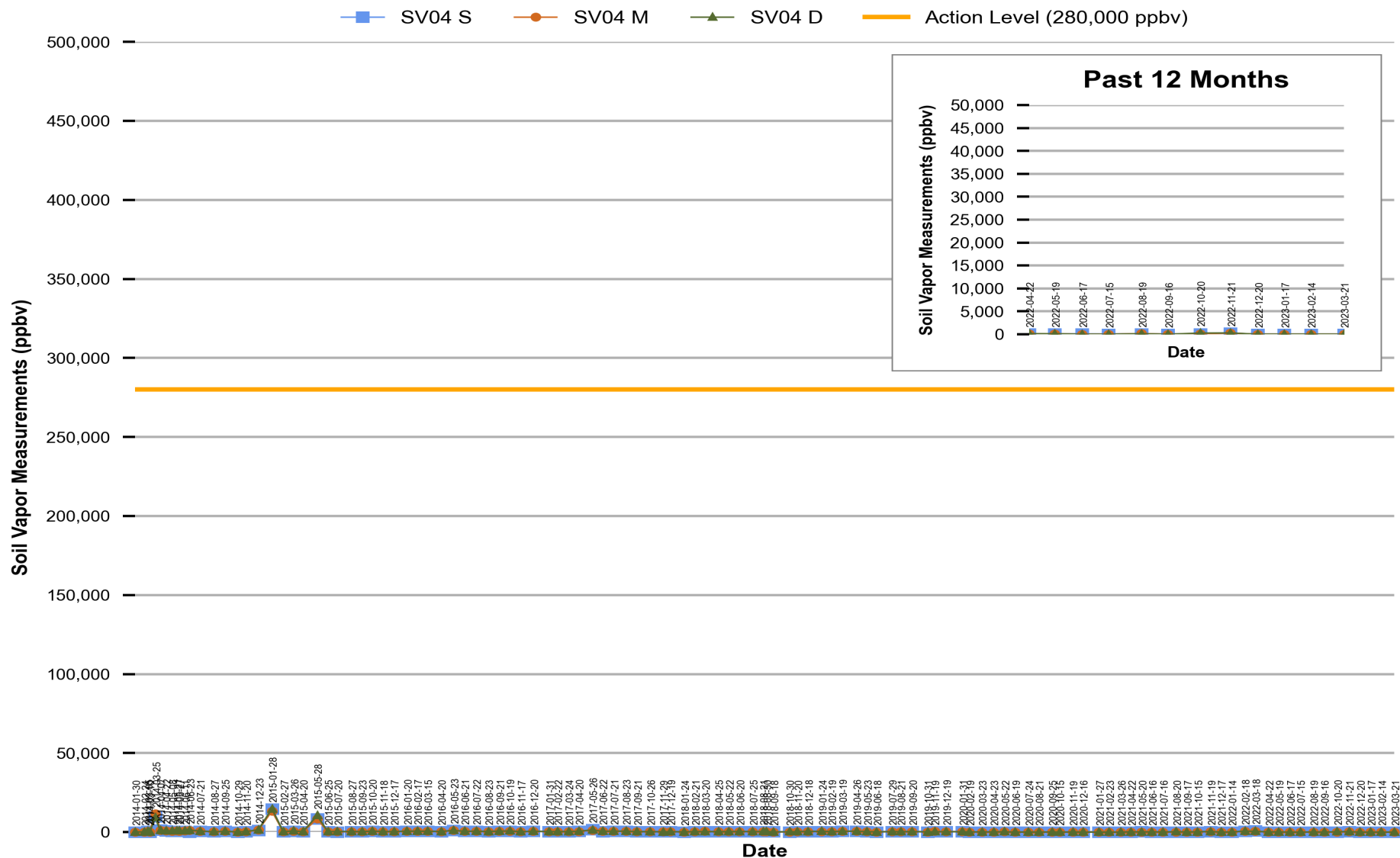
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Figure 3
Red Hill - Tank 04 (F-24)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



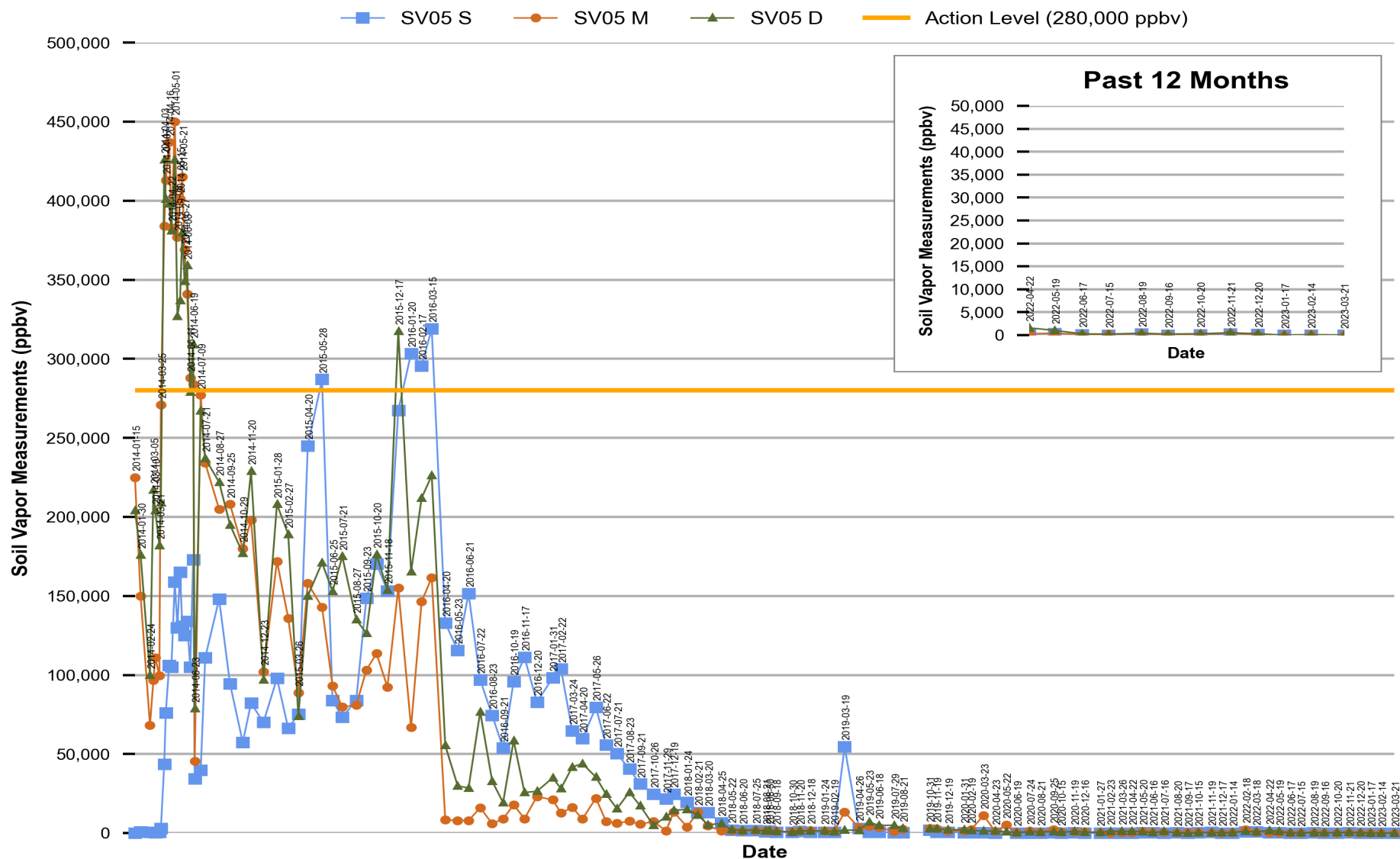
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Figure 4
Red Hill - Tank 05 (F-24)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



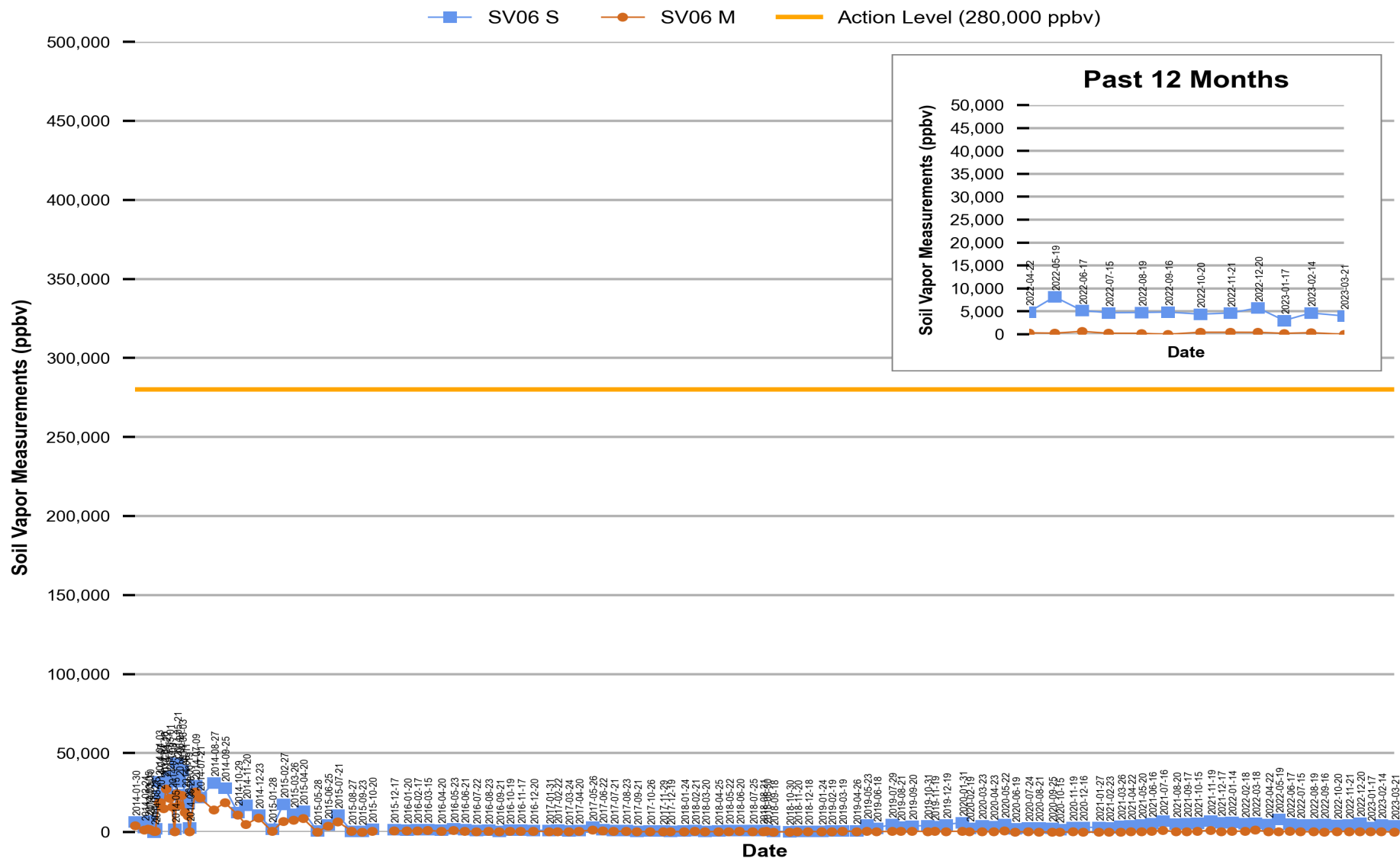
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

**Figure 5
Red Hill - Tank 06 (F-24)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)**



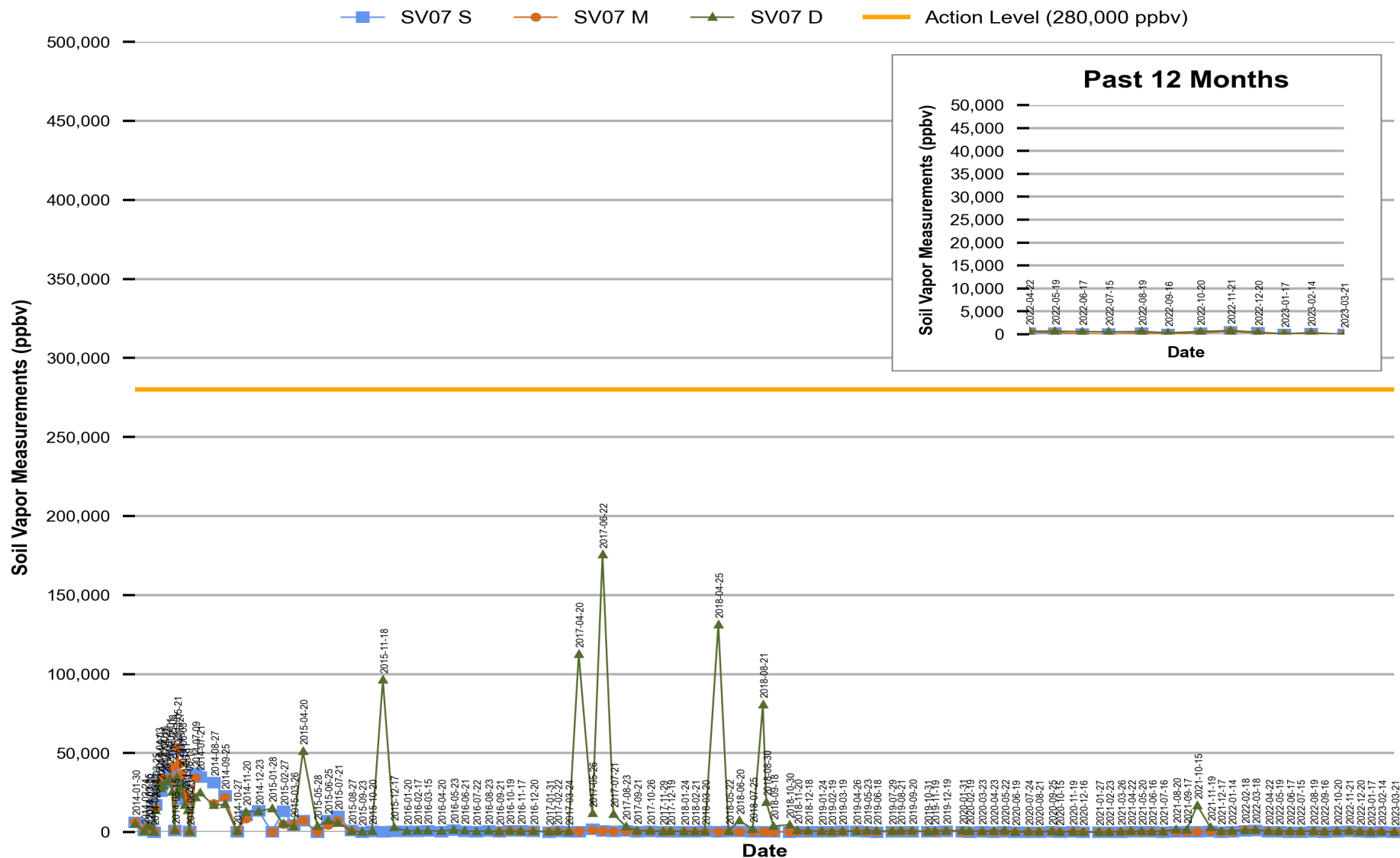
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
ppbv: Parts Per Billion by Volume

**Figure 6
Red Hill - Tank 07 (JP-5)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)**



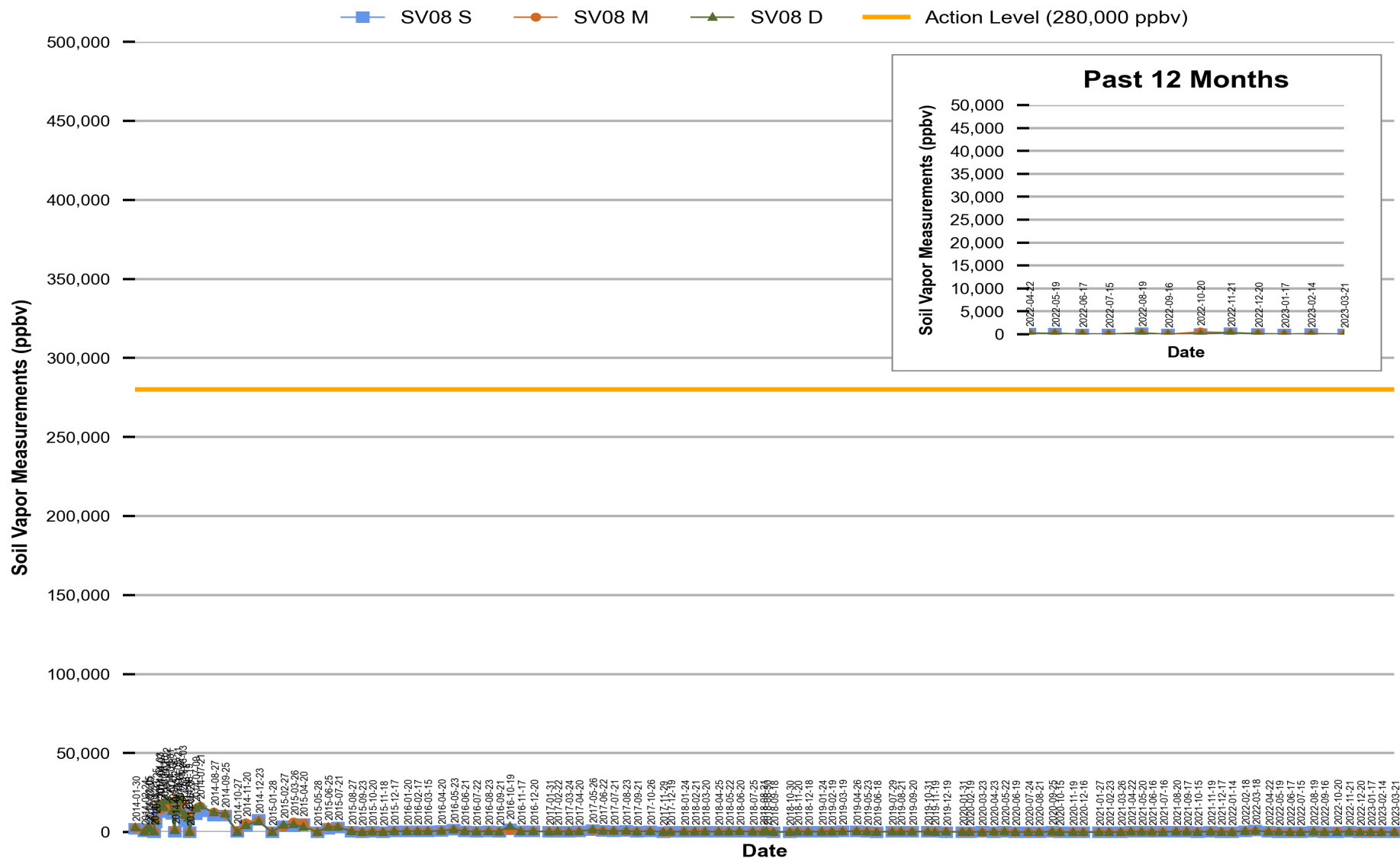
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
ppbv: Parts Per Billion by Volume

**Figure 7
Red Hill - Tank 08 (JP-5)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)**



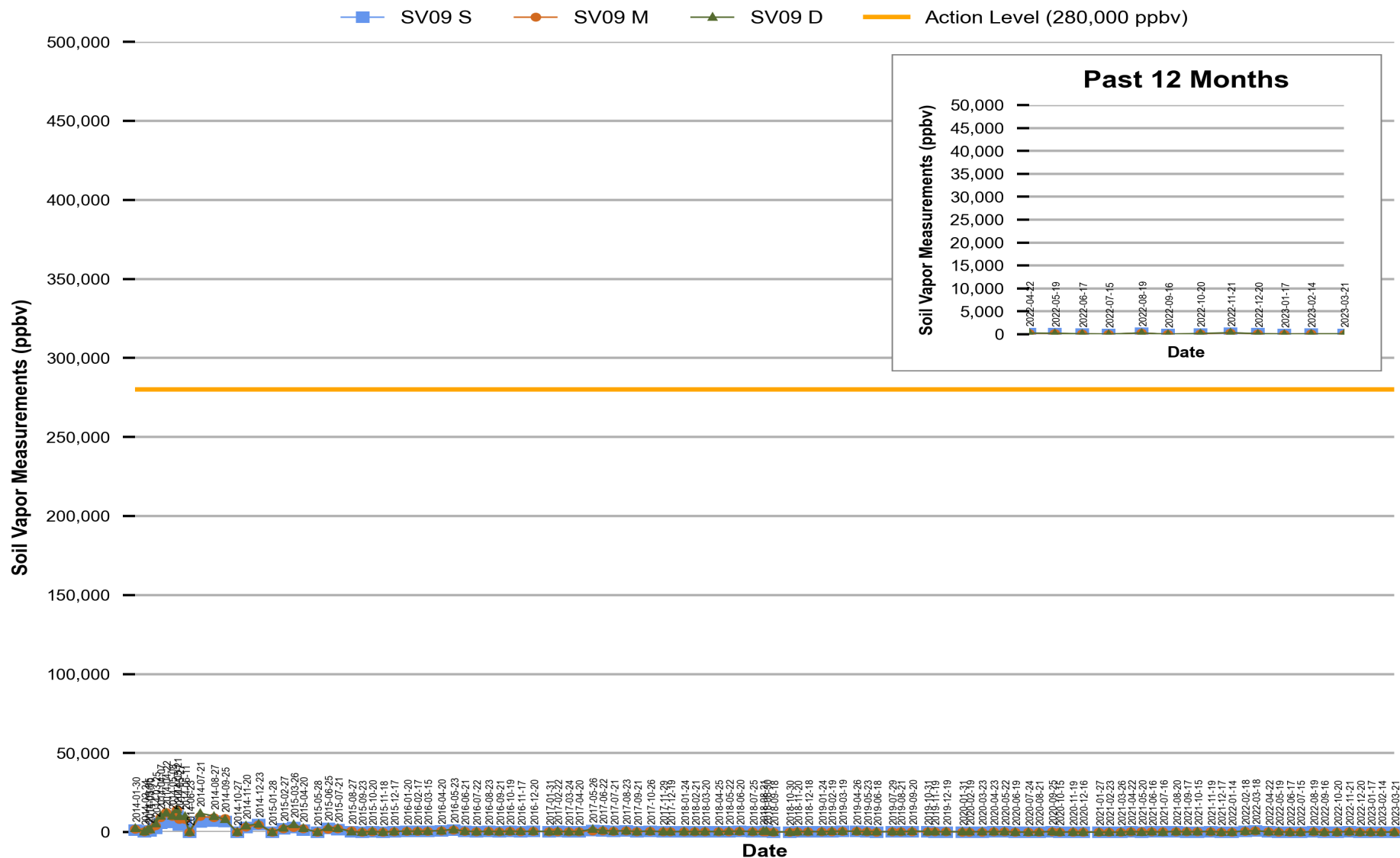
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
ppbv: Parts Per Billion by Volume

**Figure 8
Red Hill - Tank 09 (JP-5)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)**



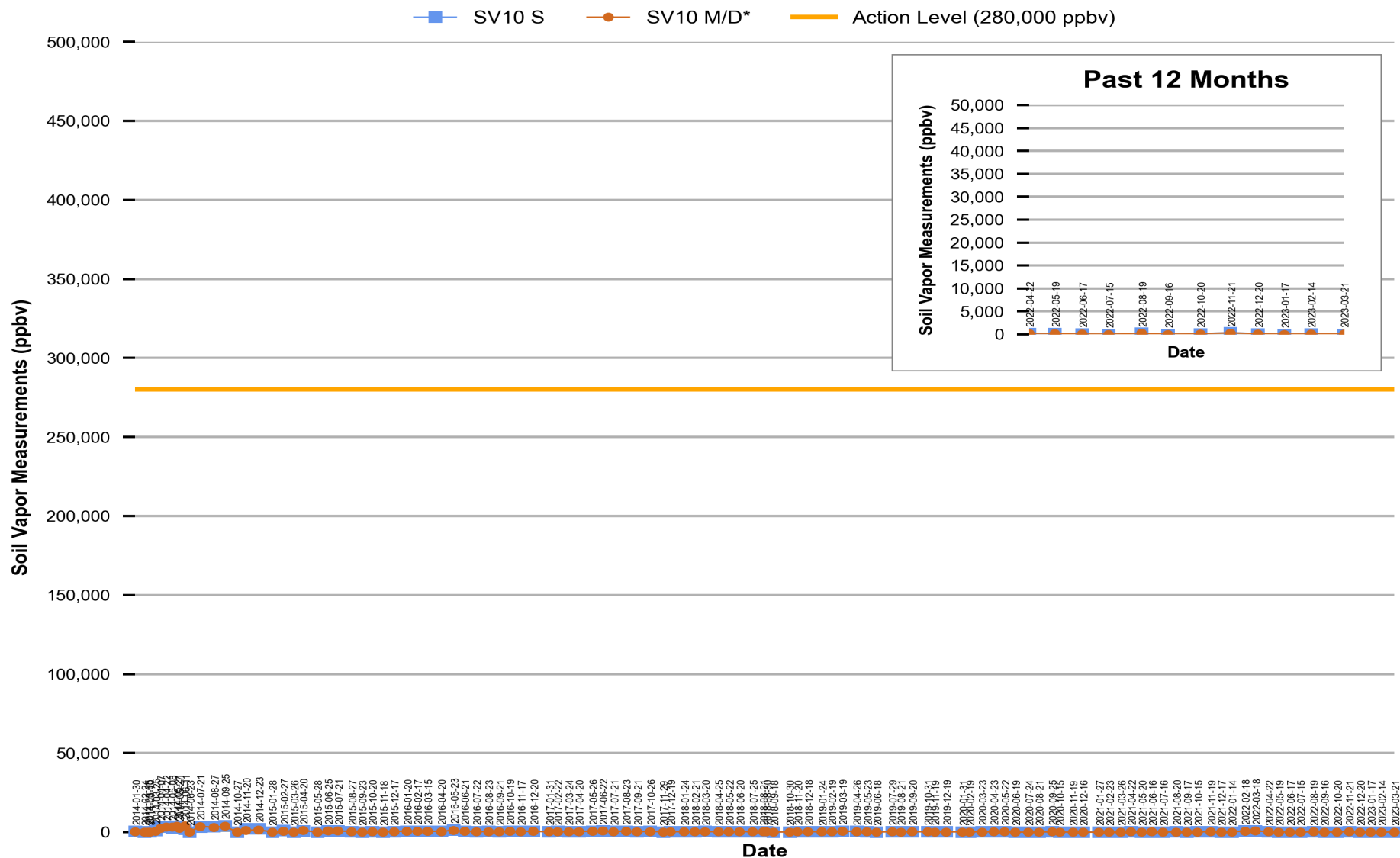
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
ppbv: Parts Per Billion by Volume

**Figure 9
Red Hill - Tank 10 (JP-5)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)**



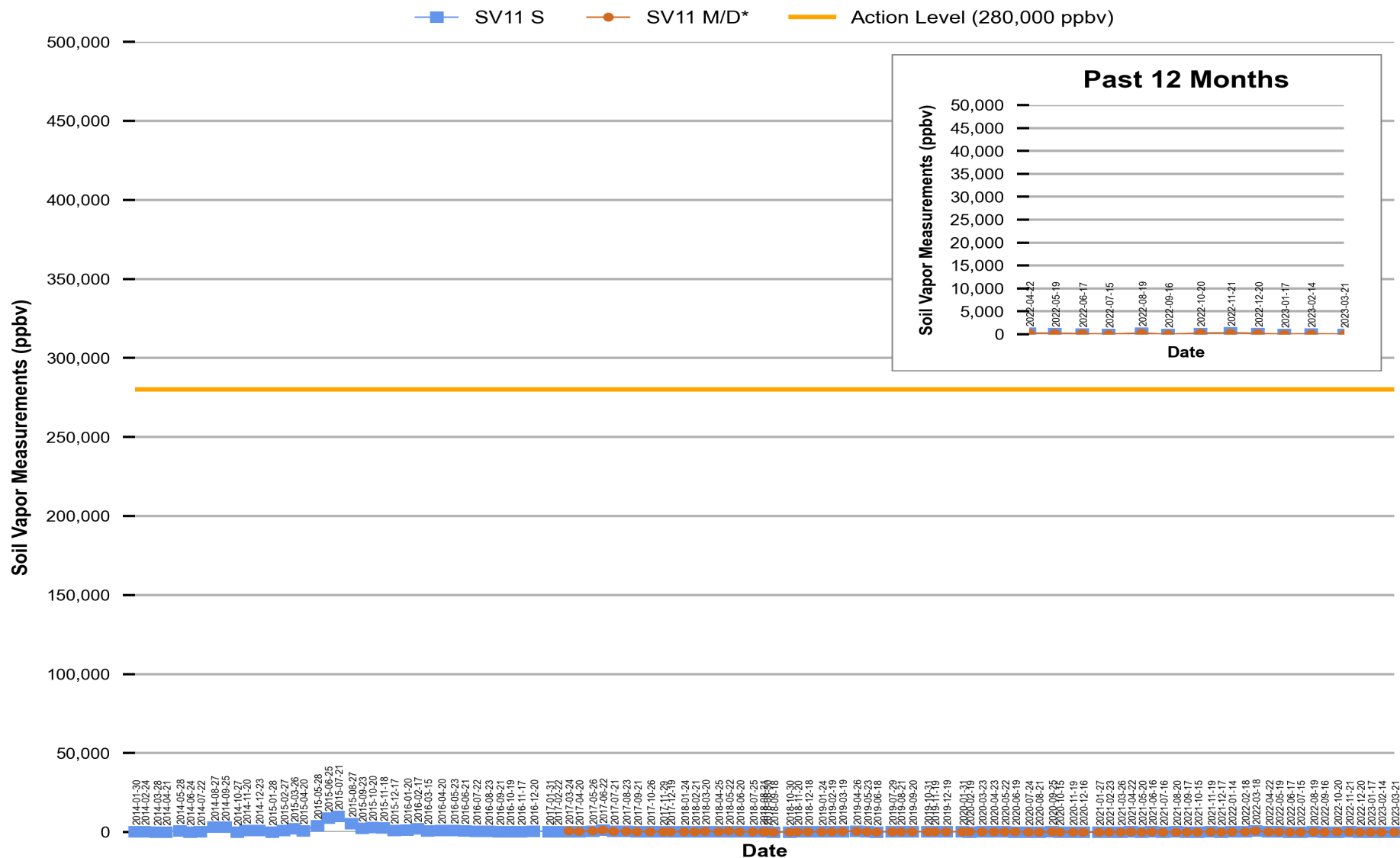
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
ppbv: Parts Per Billion by Volume

Figure 10
Red Hill - Tank 11 (JP-5)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



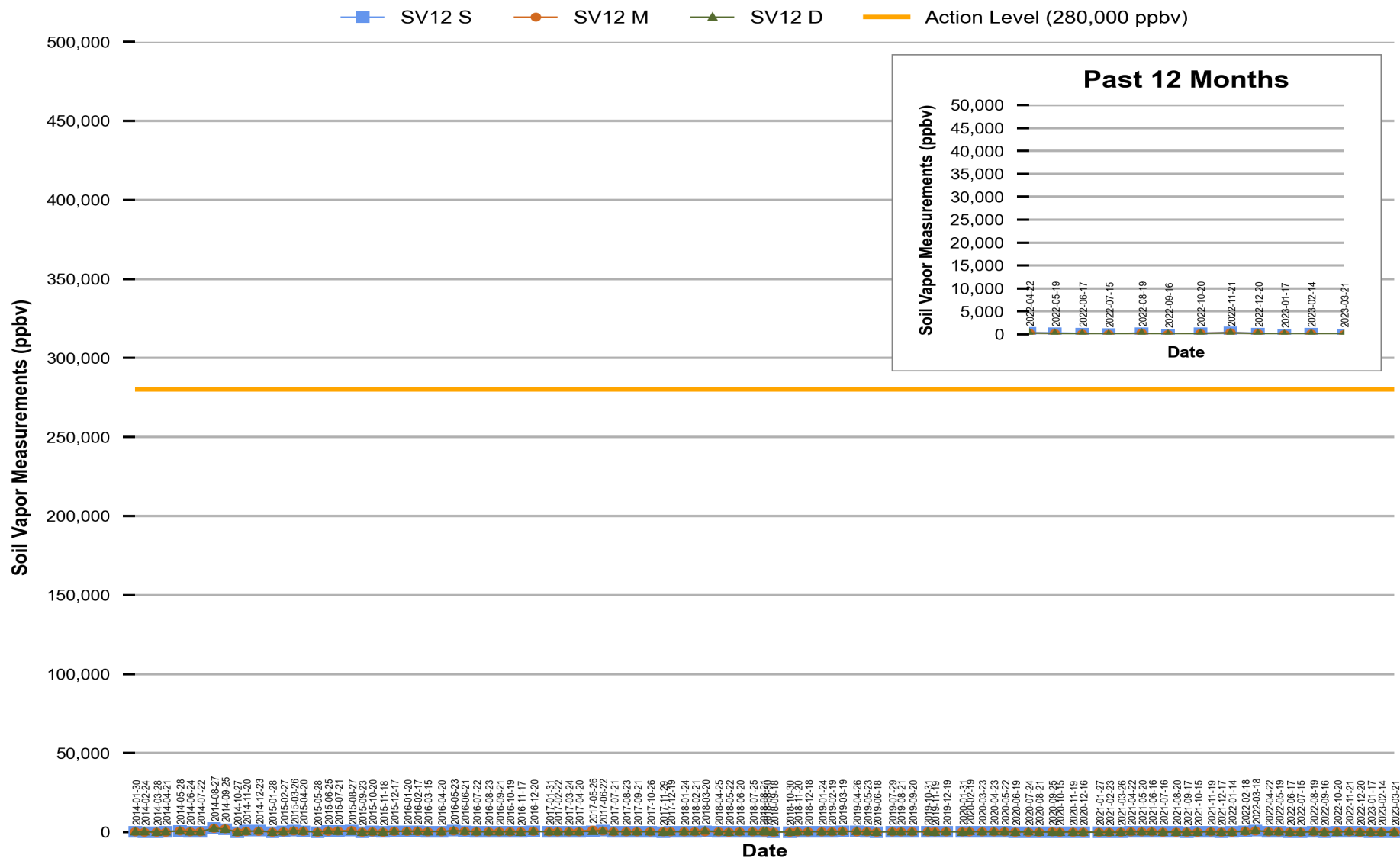
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Figure 11
Red Hill - Tank 12 (JP-5)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



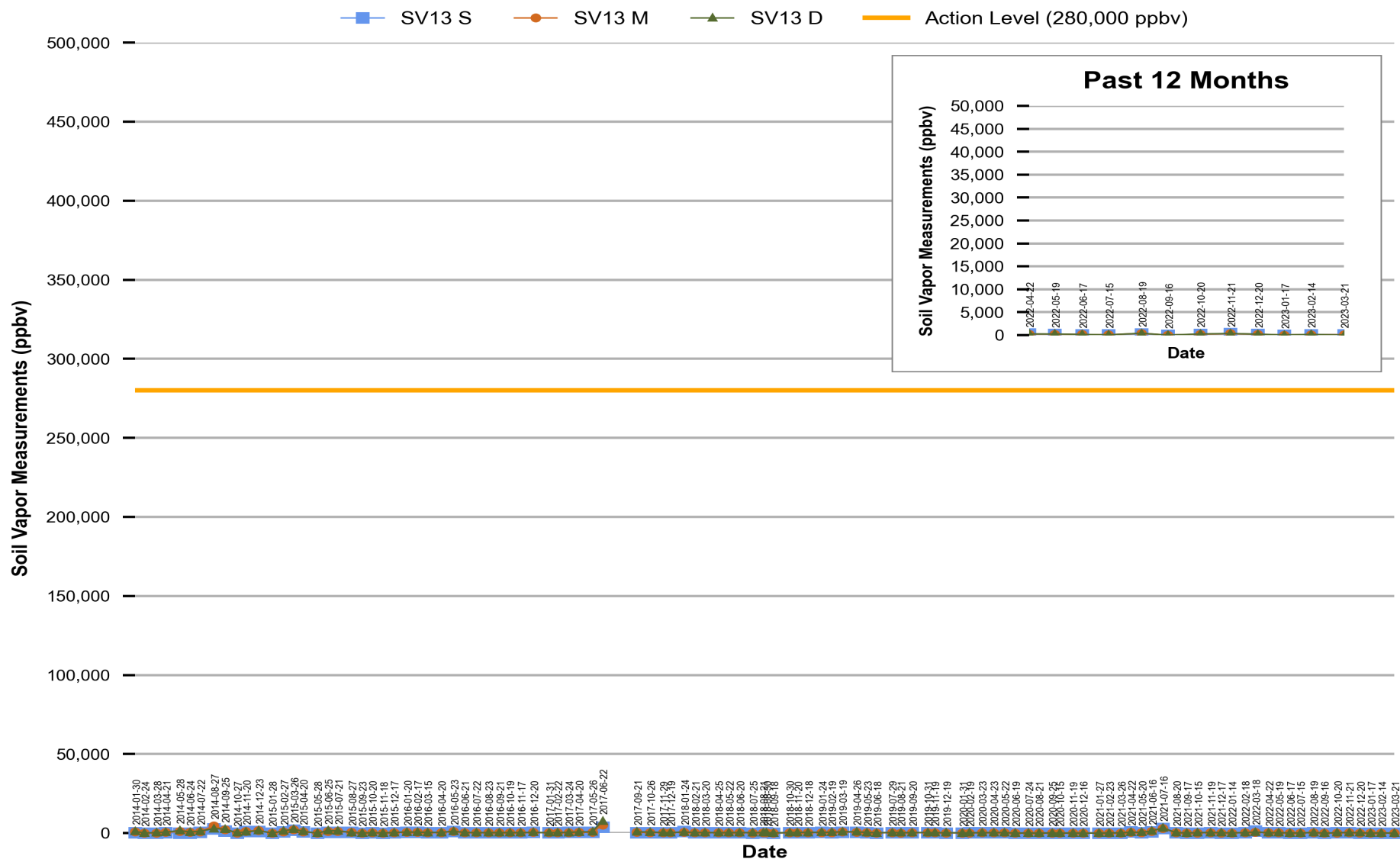
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Figure 12
Red Hill - Tank 13 (JP-5) EMPTY
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



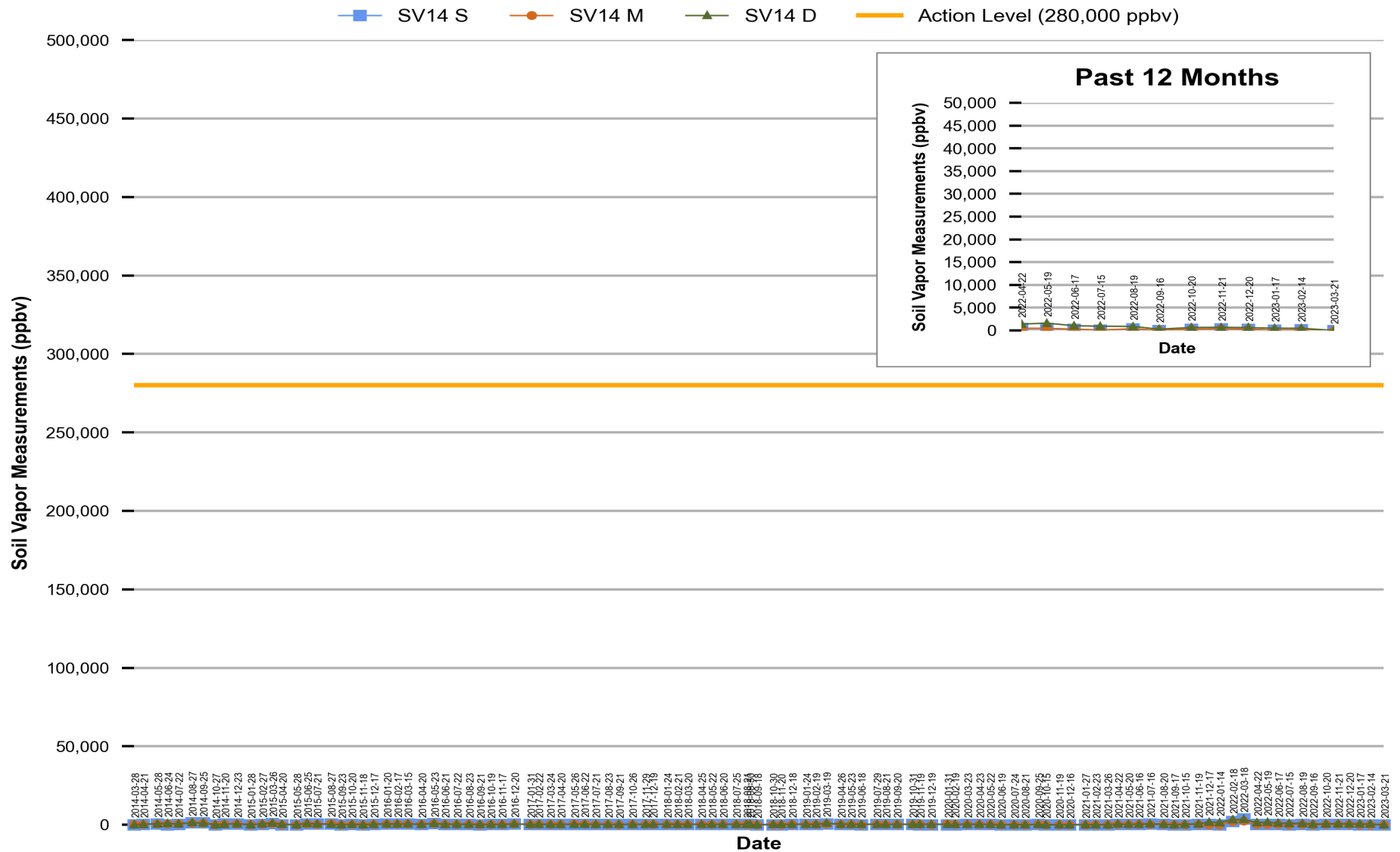
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Figure 13
Red Hill - Tank 14 (JP-5) EMPTY
Soil Vapor Measurements (Mar 2014 Through Mar 2023)



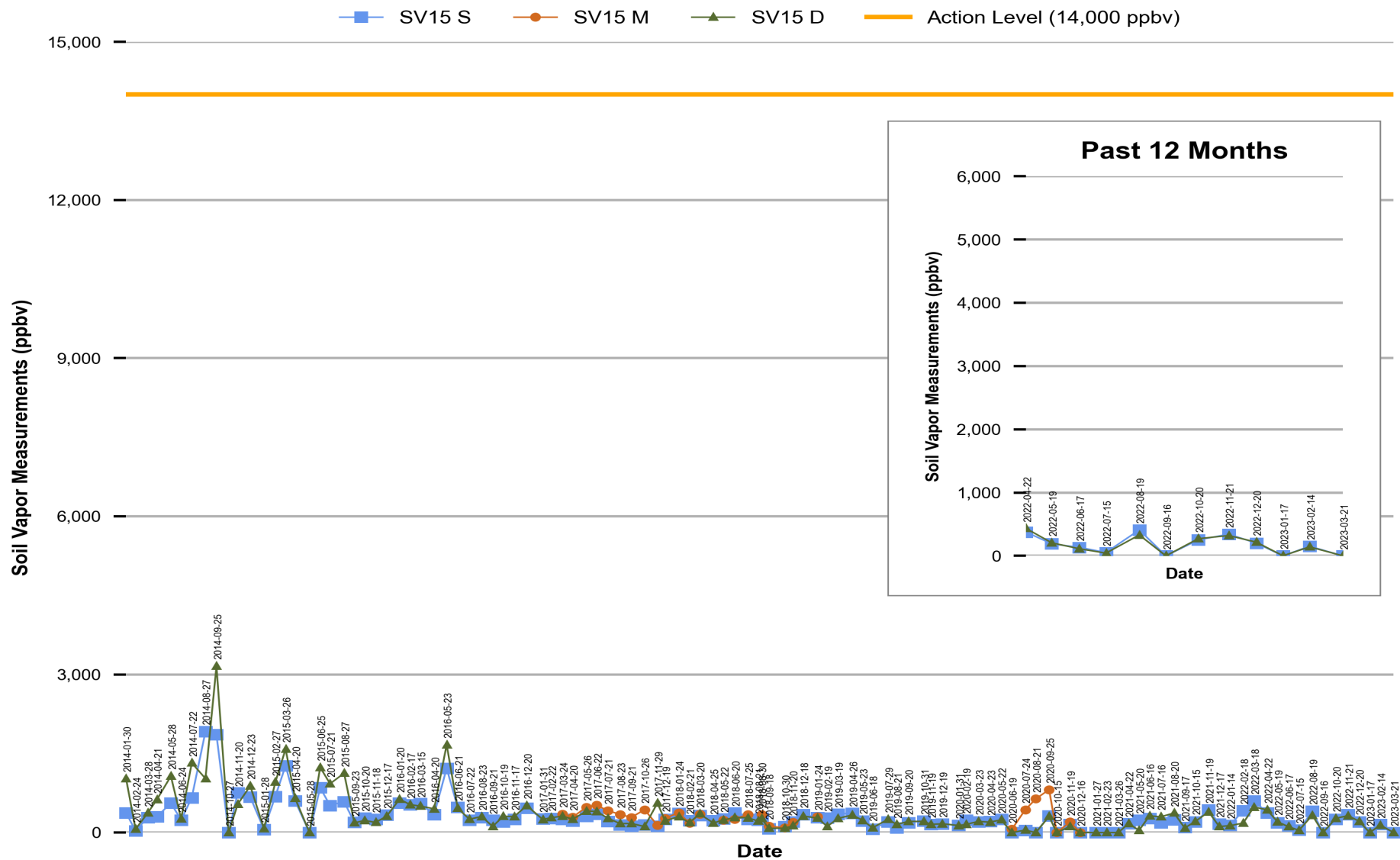
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Figure 14
Red Hill - Tank 15 (F-76)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



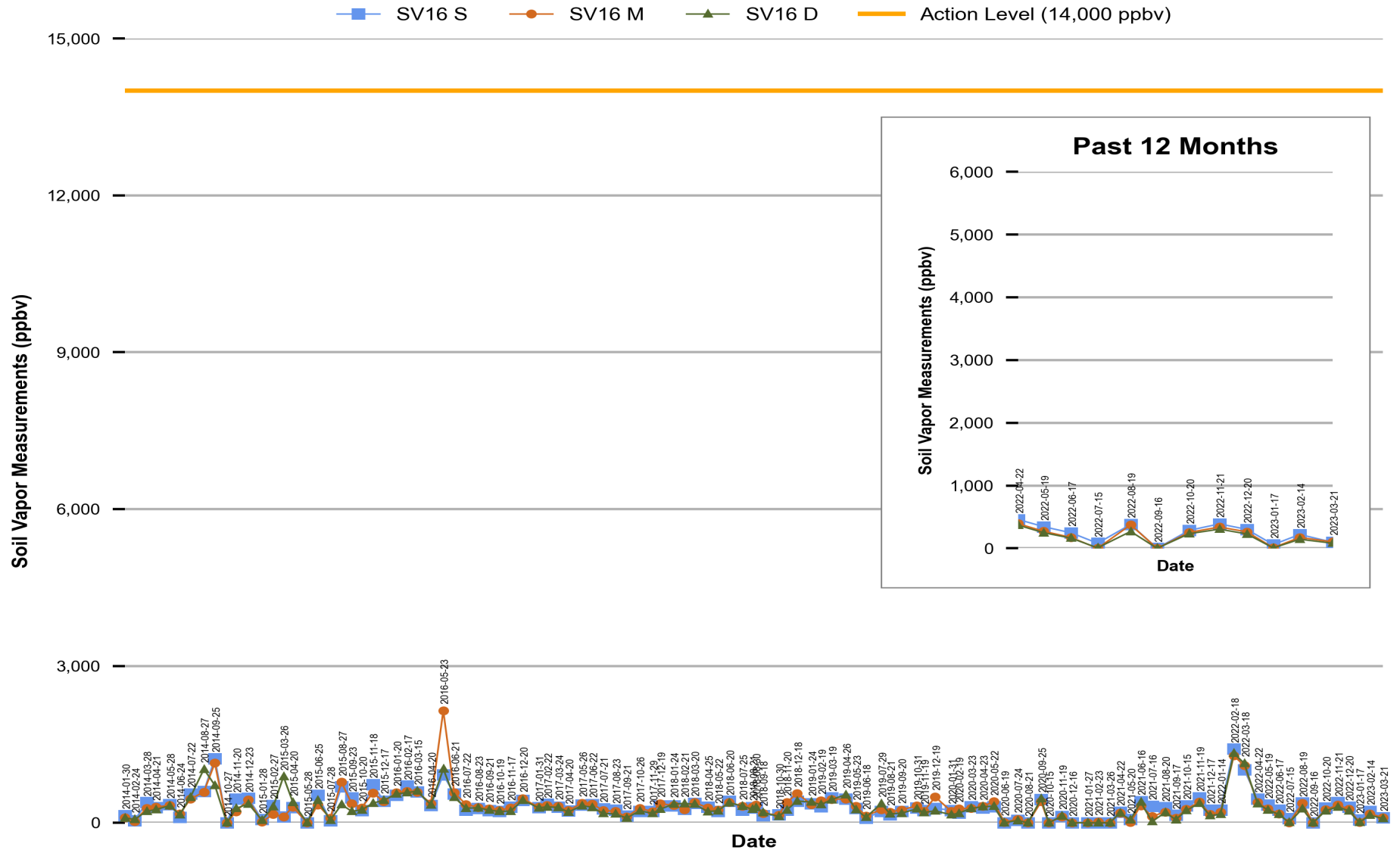
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Figure 15
Red Hill - Tank 16 (F-76)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



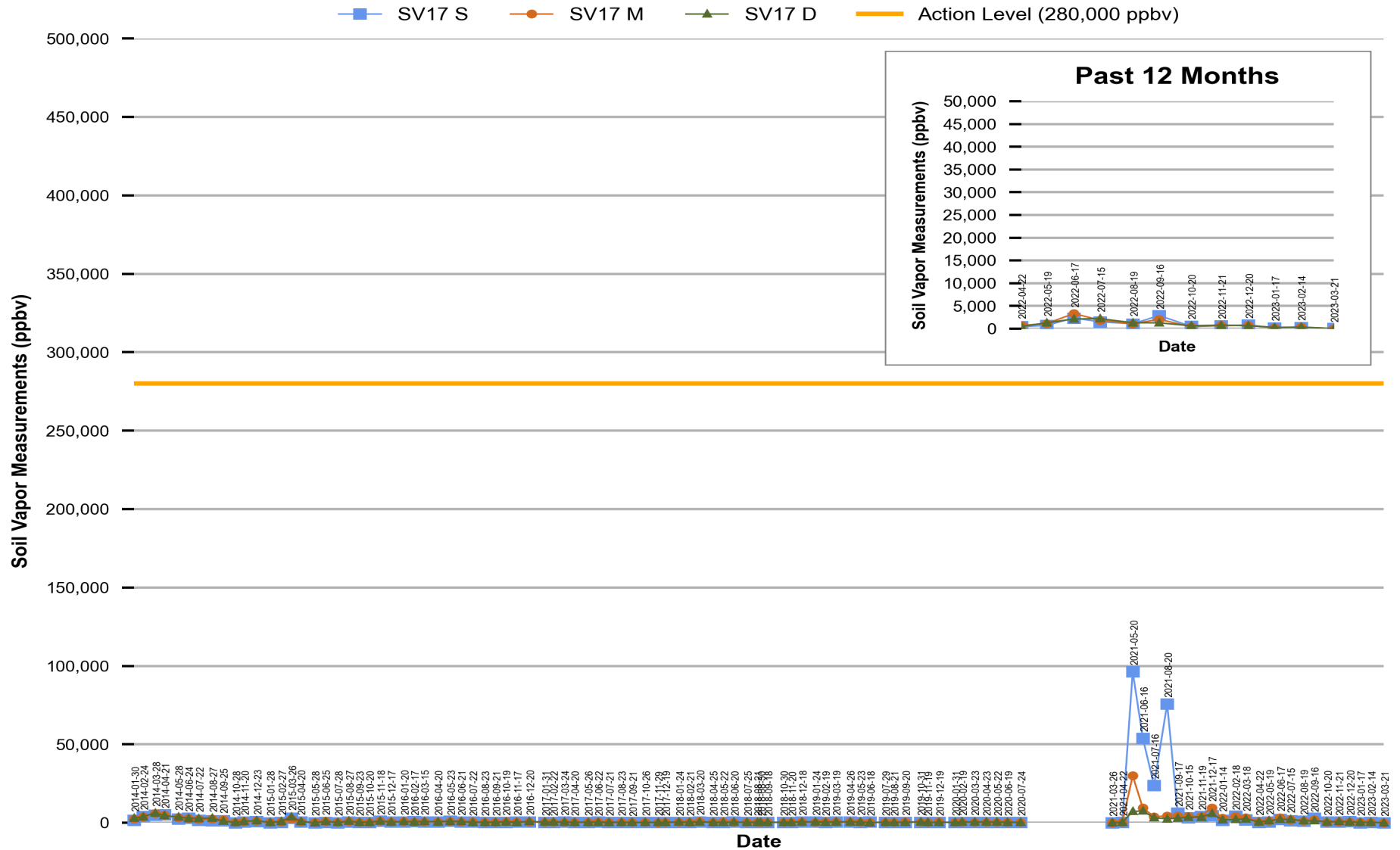
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Figure 16
Red Hill - Tank 17 (JP-5) EMPTY
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



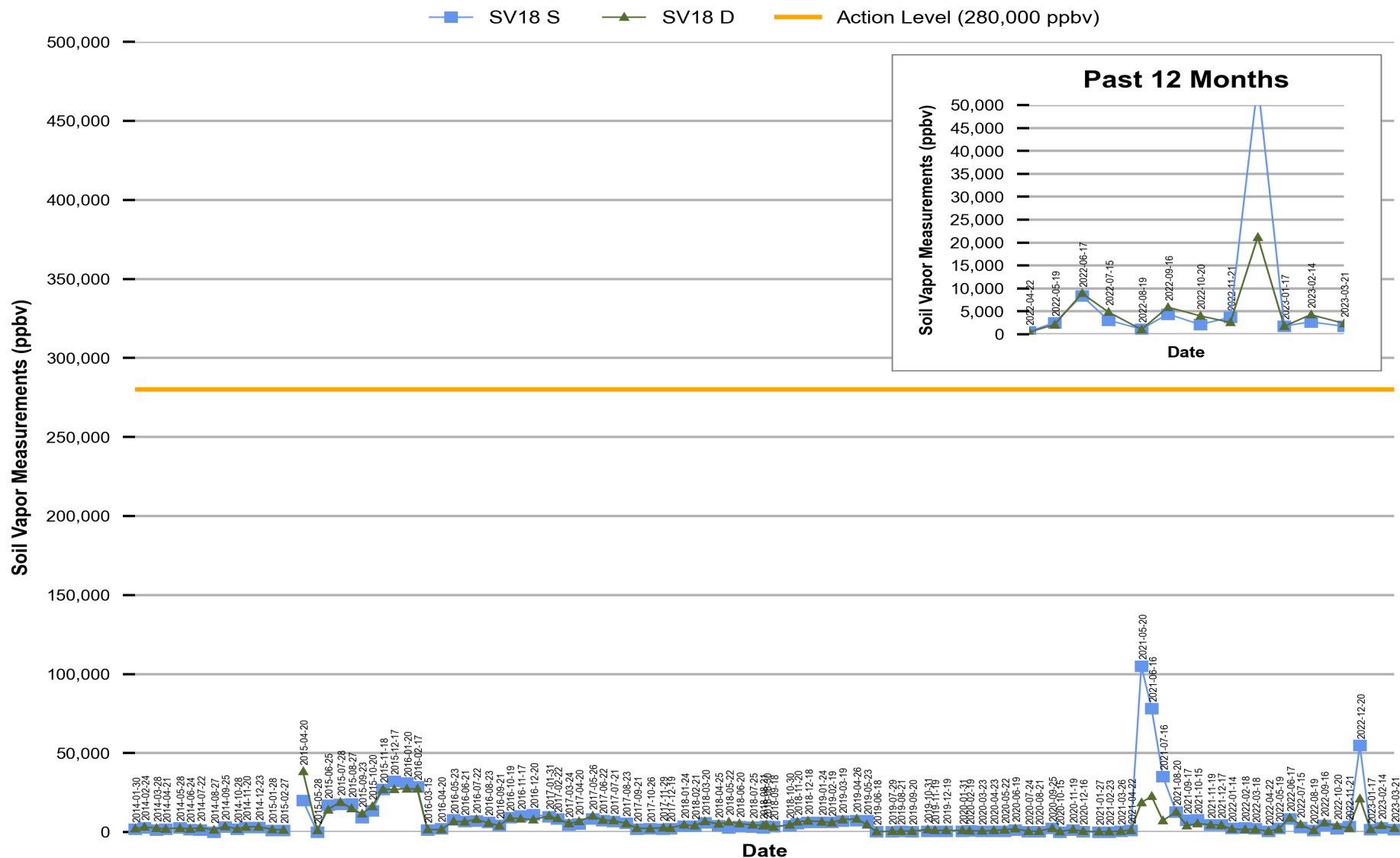
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Figure 17
Red Hill - Tank 18 (JP-5) EMPTY
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



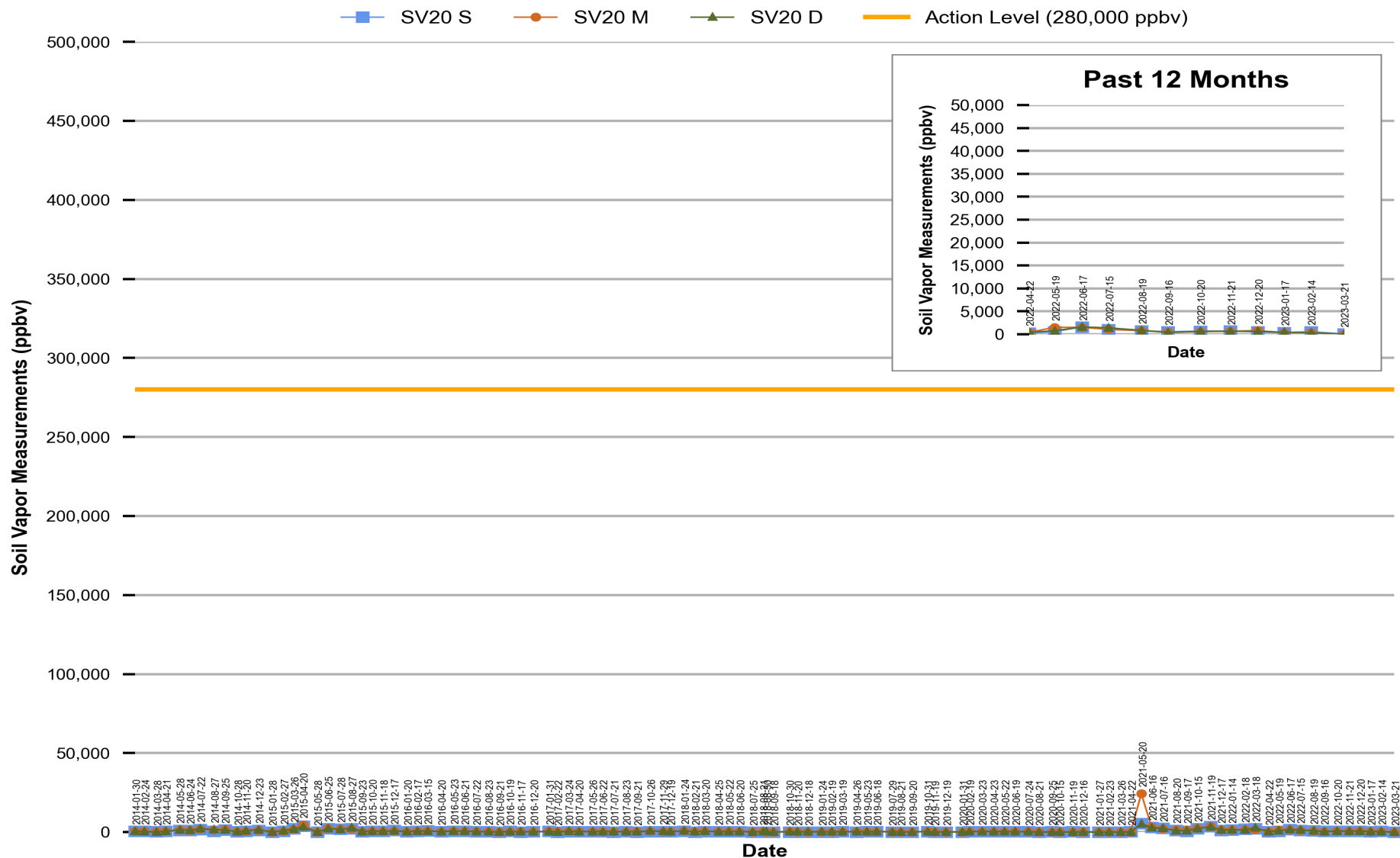
Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Figure 18
Red Hill - Tank 20 (JP-5)
Soil Vapor Measurements (Jan 2014 Through Mar 2023)



Notes (where applicable):

* "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.

F-24: Jet Fuel, Fuel Number 24
 F-76: Marine Diesel, Fuel Number 76

JP-5: Jet Fuel, Propellant Number 5
 ppbv: Parts Per Billion by Volume

Appendix A.2 – NOI Soil Vapor PID Concentrations

Appendix A.2: Average Soil Vapor PID Concentration Readings at Tanks 2-18 and 20 (ppbv)

Date	SV02 S	SV02 M	SV02 D	SV03 S	SV03 M	SV03 D	SV04 S	SV04 M	SV04 D	SV05 S	SV05 M	SV05 D	SV06 S	SV06 M	SV06 D	SV07 S	SV07 M	SV07 D	SV08 S	SV08 M	SV08 D	SV09 S	SV09 M	SV09 D	SV10 S	SV10 M/D	SV11 S	SV11 M/D	SV12 S	SV12 M	SV12 D	SV13 S	SV13 M	SV13 D	SV14 S	SV14 M	SV14 D	SV15 S	SV15 M	SV15 D	SV16 S	SV16 M	SV16 D	SV17 S	SV17 M	SV17 D	SV18 S	SV18 D	SV20 S	SV20 M	SV20 D		
2/7/2023	7	0	0	0	0	53	0	1	14	54	116	69	4,861	394	132	154	285	57	73	68	65	67	77	70	97	103	103	166	97	106	210	193	197	234	199	546	NC1	NC1	NC1	284	209	217	357	338	376	2,313	3,107	794	785	667			
2/14/2023	0	1	0	2	5	41	16	16	11	38	75	78	4,653	352	223	200	351	91	92	95	80	74	73	69	59	103	101	162	113	86	128	131	158	160	127	471	152	NC2	142	221	173	144	269	345	356	2,700	4,282	587	391	320			
2/21/2023	0	0	0	0	7	16	0	0	7	440	72	114	4,851	327	176	191	276	72	98	110	91	79	76	74	56	108	105	166	132	94	137	139	156	173	180	577	131	NC2	140	237	196	171	305	266	359	2,476	4,594	692	688	713			
2/28/2023	0	0	0	0	0	14	0	0	0	212	55	118	5,433	471	167	156	312	25	46	60	34	31	47	33	31	84	76	146	87	86	124	124	139	179	177	436	144	NC2	138	230	179	154	223	192	265	2,030	2,236	604	548	545			
3/7/2023	0	7	1	20	4	43	2	10	11	42	55	56	299	155	52	47	61	52	50	50	17	30	15	162	133	4	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	39	34	1,030	2,939	351	20	185	
3/13/2023	0	0	0	0	0	0	0	0	0	0	0	0	4,470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,073	2,585	470	445	315			
3/21/2023	0	0	0	0	0	0	0	0	0	0	16	0	3,999	0	0	0	0	0	0	0	0	3	0	105	0	94	0	0	0	0	90	127	81	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3/28/2023	0	0	0	0	0	0	0	0	0	3	2	1	2,902	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	924	1,934	7	3	0
4/3/2023	0	0	0	0	0	0	0	0	0	0	0	0	4,411	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4/11/2023	0	0	0	0	0	75	38	38	32	227	493	181	4,560	461	0	0	1,303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

- Notes:
- ¹ - "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.
 - ² - Soil vapor concentration measured using a ppmv PID.
 - ³ - Epoxy coatings being applied in the area near Tank 17. Epoxy coating contain volatile organic compounds which can be detected by the monitoring equipment used to collect SVM samples.
 - ⁴ - ppmv PID experienced unanticipated malfunction as indicated by a failed calibration check. PID result based on a second ppbv PID suggests the value is between 50 ppm - 150 ppm.
 - ⁵ - Estimated value for SVMs at tanks 2-10 and 20 - Calibration check at end of day read 11.12 ppb, observing an approximately 11% high bias reading.
 - * Air compressor used to clear obstruction prior to collecting sample
 - ** - Estimated value - Calibration check observed an approximately 40% low bias reading.
 - *** - Estimated value - Inadvertent early termination of PID reading.

NC - Not collected
 NC1 - Not collected due to tank maintenance
 NC2 - Not collected due to obstruction in vapor line
 NC3 - Not collected - monitoring vault potentially compromised by release. Replacing tubing and cleaning valves. Sampling to begin 14 May
 NC4 - Not collected due to a broken valve/fitting. A replacement valve is being pursued.
 NC5 - Not collected - not required by the DOH Transition Plan.
 Soil vapor concentration readings are reported in parts per billion by volume (ppbv).

Appendix A.2: Background Tunnel Air Soil Vapor PID Concentration Readings (ppbv)

Date	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Tank 10	Tank 11	Tank 12	Tank 13	Tank 14	Tank 15	Tank 16	Tank 17	Tank 18	Tank 20
2/7/2023	31	26	44	57	205	84	109	117	132	197	291	263	281	258	271	855	2,932	2,303
2/14/2023	114	115	133	154	151	243	226	223	192	188	195	168	185	222	247	1,099	1,513	1,620
2/21/2023	37	58	55	66	460	201	170	201	171	174	202	201	236	191	214	842	1,414	1,497
2/28/2023	100	81	96	69	75	191	136	125	142	195	219	182	333	261	257	581	1,342	1,335
3/7/2023	55	53	28	67	79	76	70	37	165	25	0	0	0	0	0	290	1,277	555
3/13/2023	0	112	0	0	211	0	0	0	0	0	0	0	0	0	0	0	275	3,636
3/21/2023	0	121	103	81	72	90	20	10	22	1,030	86	13	19	NC2	25	620	705	261
3/28/2023	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	12	252	258
4/3/2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	458	402
4/11/2023	72	69	91	112	15	0	0	0	0	0	0	0	0	0	0	102	591	980

Notes:

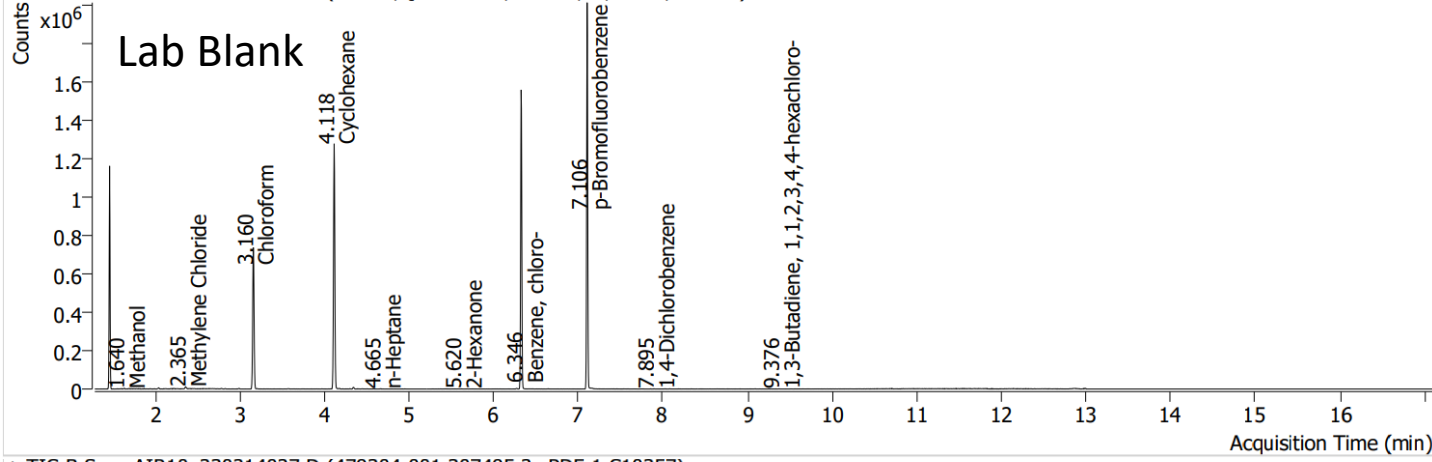
- ¹ - "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.
 - ² - Soil vapor concentration measured using a ppmv PID.
 - ³ - Epoxy coatings being applied in the area near Tank 17. Epoxy coating contain volatile organic compounds which can be detected by the monitoring equipment used to collect SVM samples.
 - ⁴ - Solvent odor from work occurring in the area near Tank 18 caused elevated background PID readings.
 - * Air compressor used to clear obstruction prior to collecting sample
 - ** - Estimated value - Calibration check observed an approximately 40% low bias reading.
 - *** - Estimated value - Inadvertent early termination of PID reading.
 - NC - Not collected
 - NC1 - Not collected due to tank maintenance
 - NC2 - Not collected due to obstruction in vapor line
 - NC3 - Not collected - monitoring vault potentially compromised by release. Replacing tubing and cleaning valves. Sampling to begin 14 May
 - NC4 - Not collected due to a broken valve/fitting. A replacement valve is being pursued.
 - NC5 - Not collected - not required by the DOH Transition Plan.
- Soil vapor concentration readings are reported in parts per billion by volume (ppbv).

Appendix A.3 – NOI Soil Vapor Chromatograms

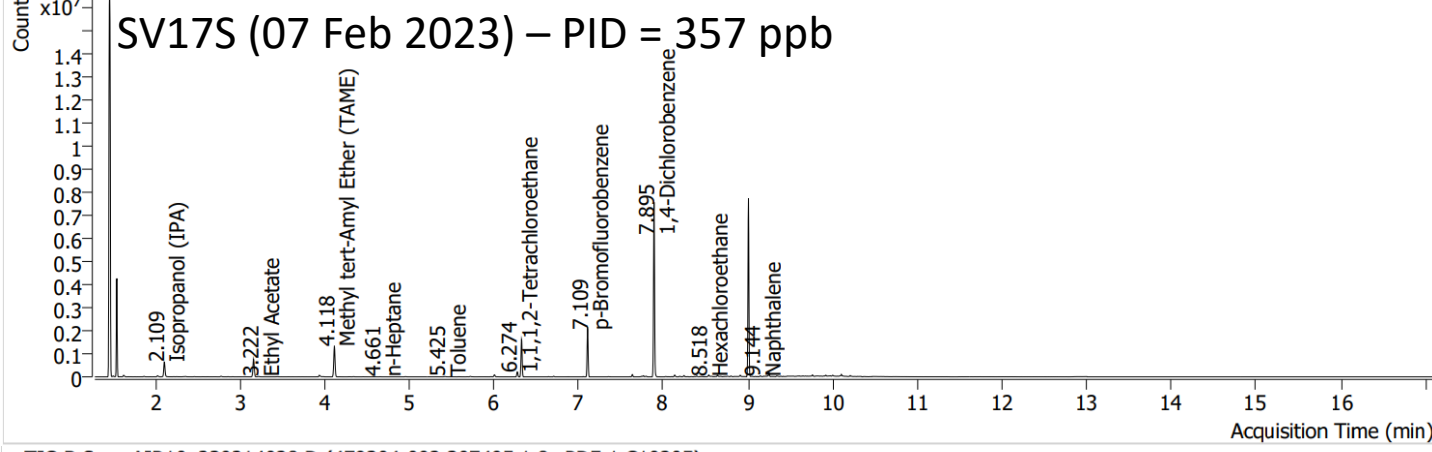
February 2023
Soil Vapor Samples

Mass Spec Chromatograms

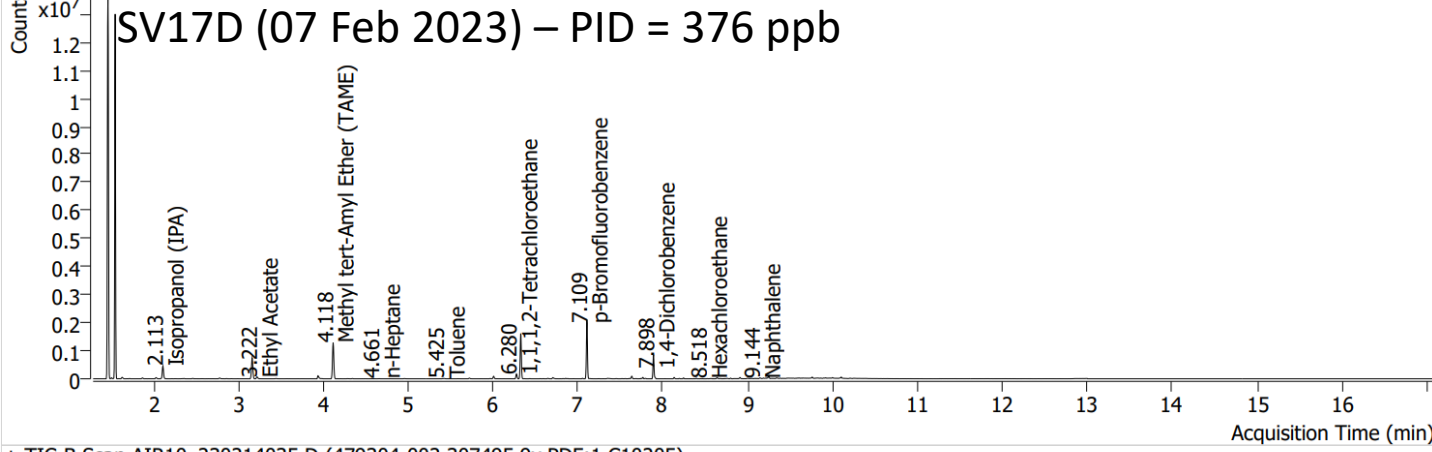
+ TIC-B Scan AIR10_230214007.D (BLANK,QC1045350,307495,1x,PDF:1,C10184)



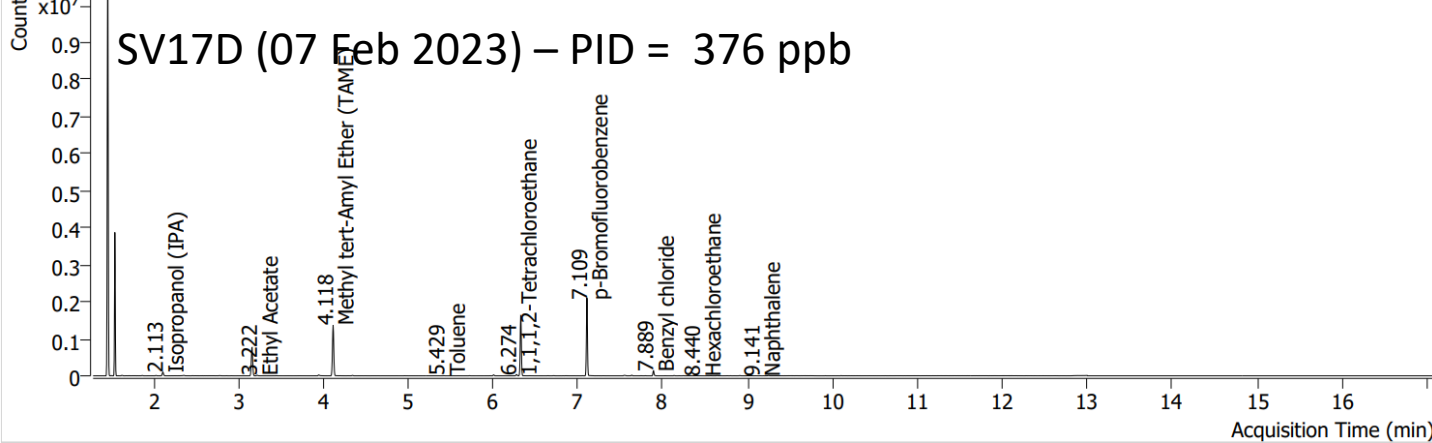
+ TIC-B Scan AIR10_230214027.D (479304-001,307495,2x,PDF:1,C10357)

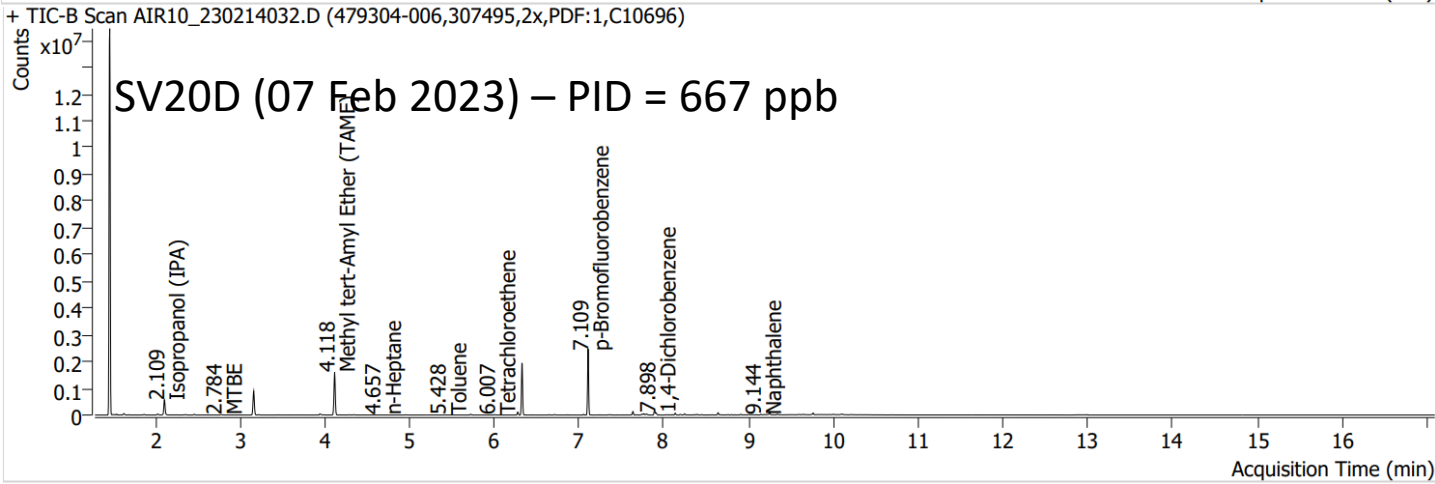
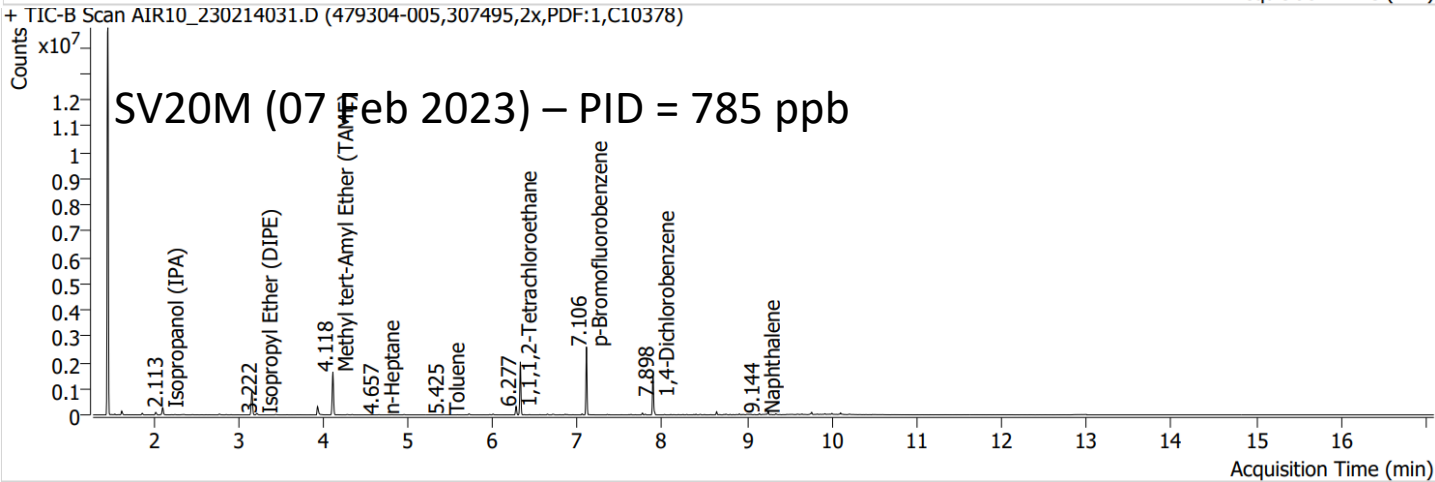
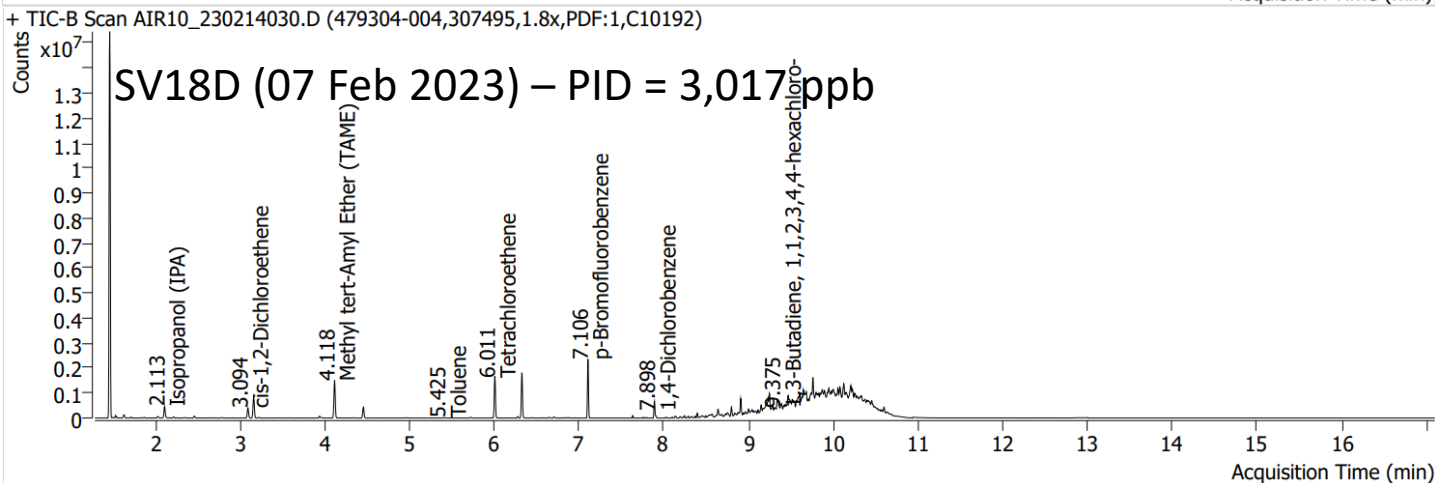
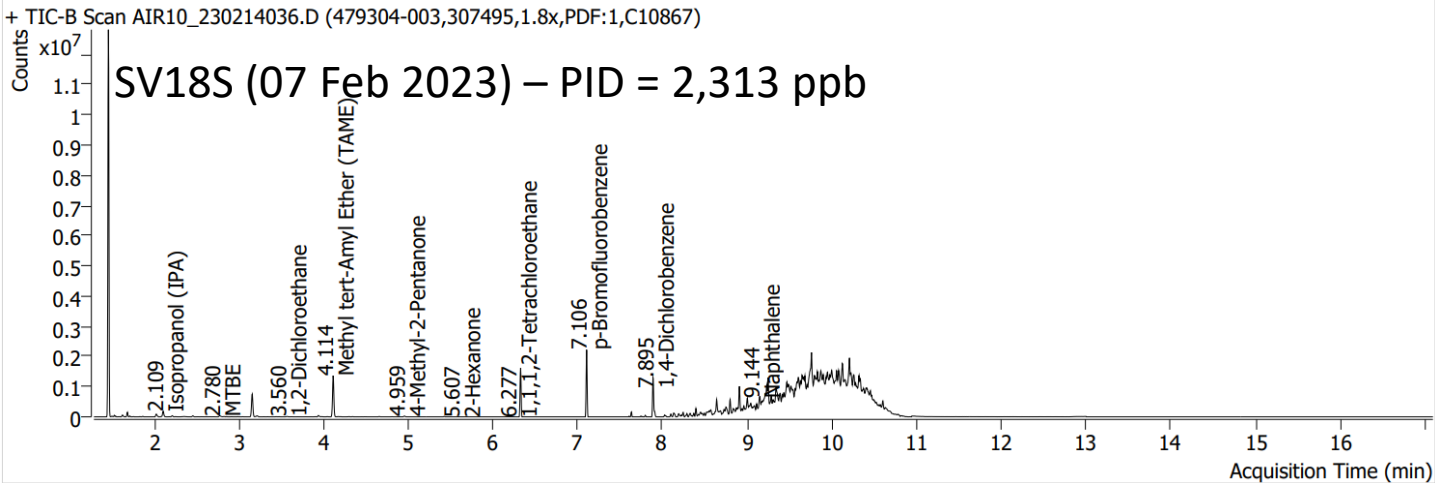


+ TIC-B Scan AIR10_230214028.D (479304-002,307495,1.8x,PDF:1,C10205)

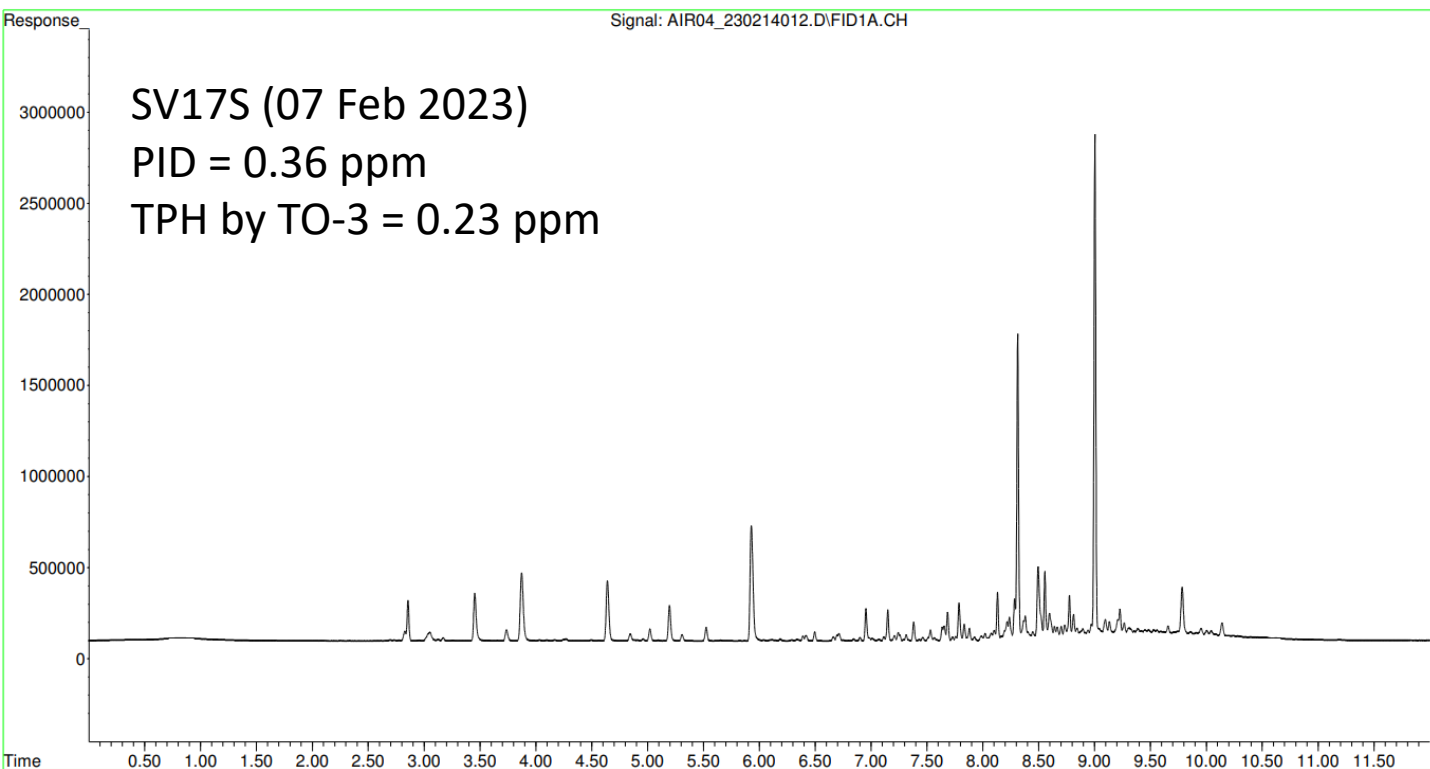
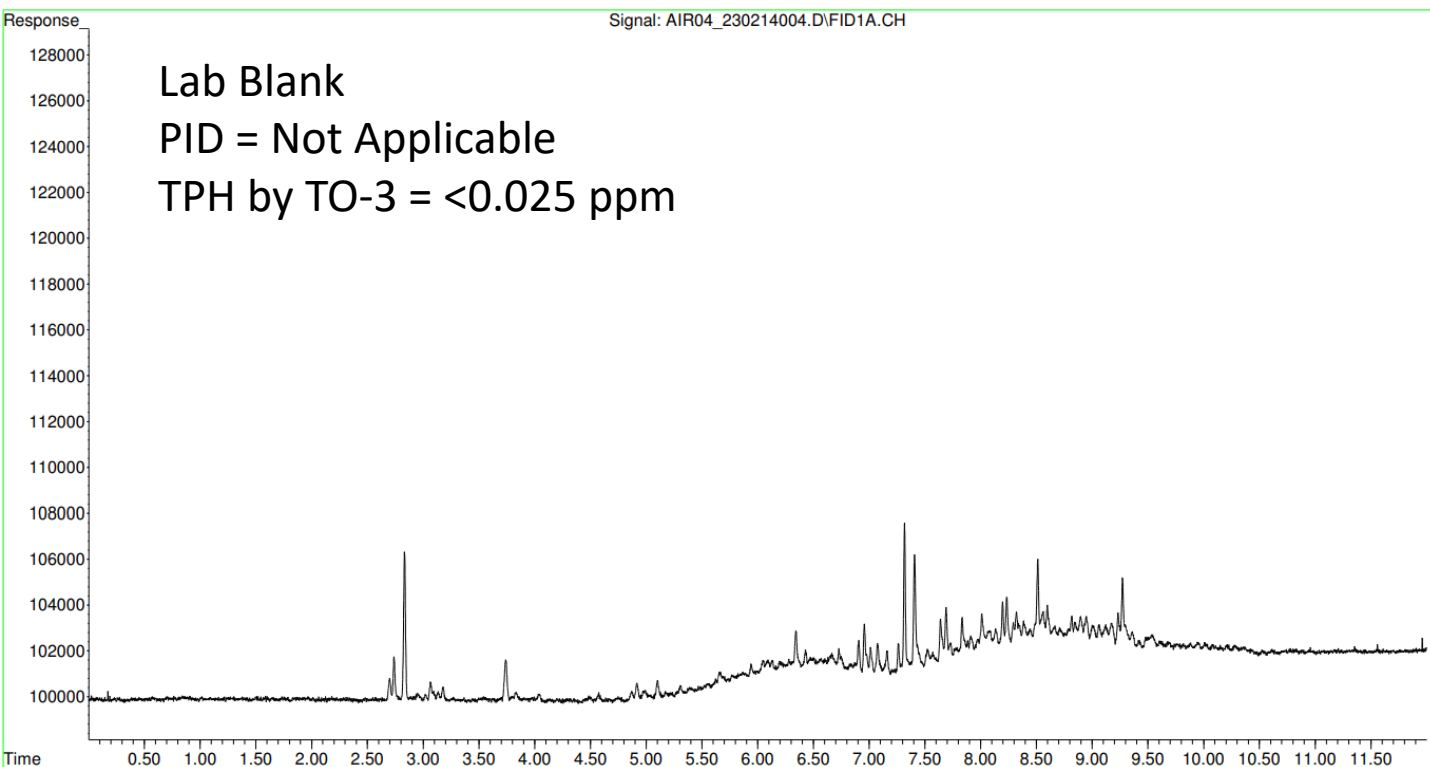


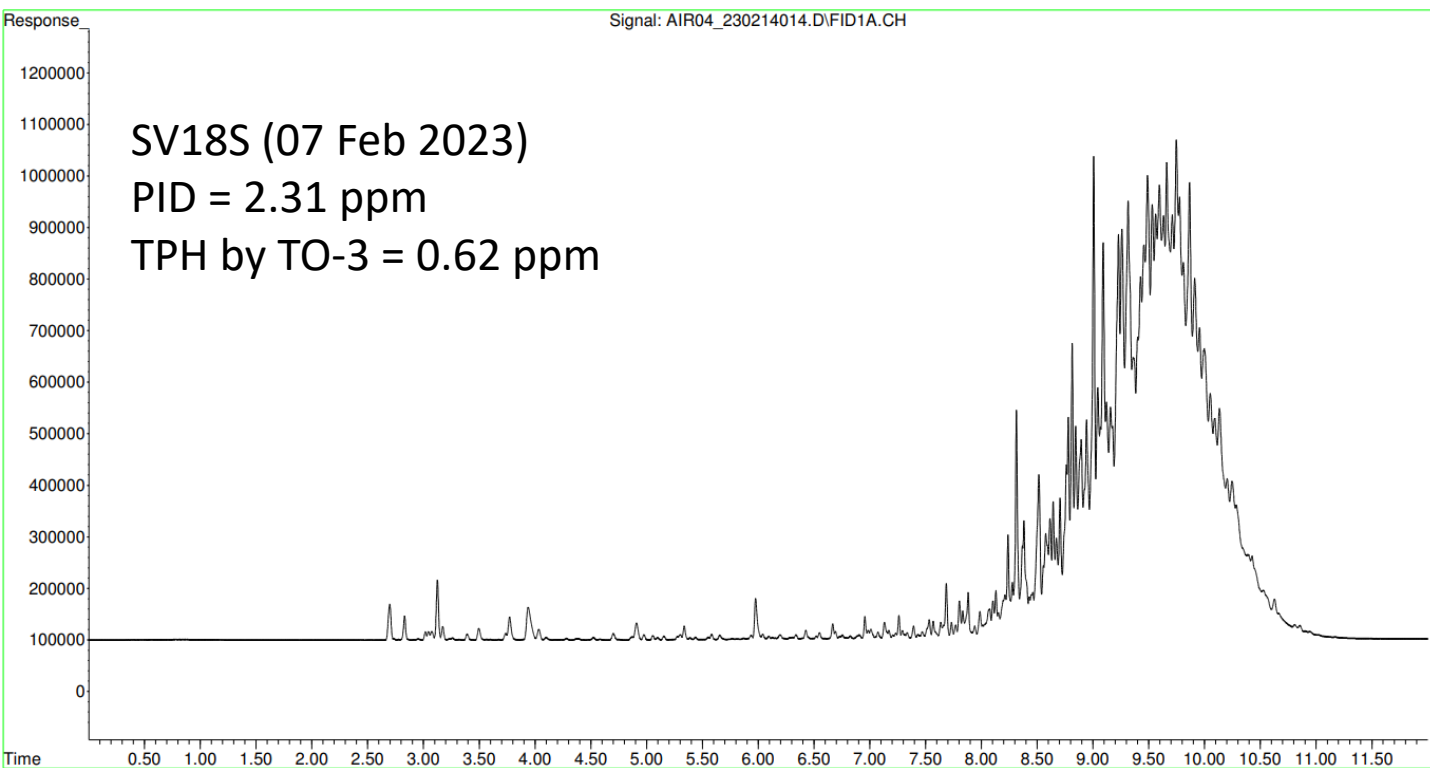
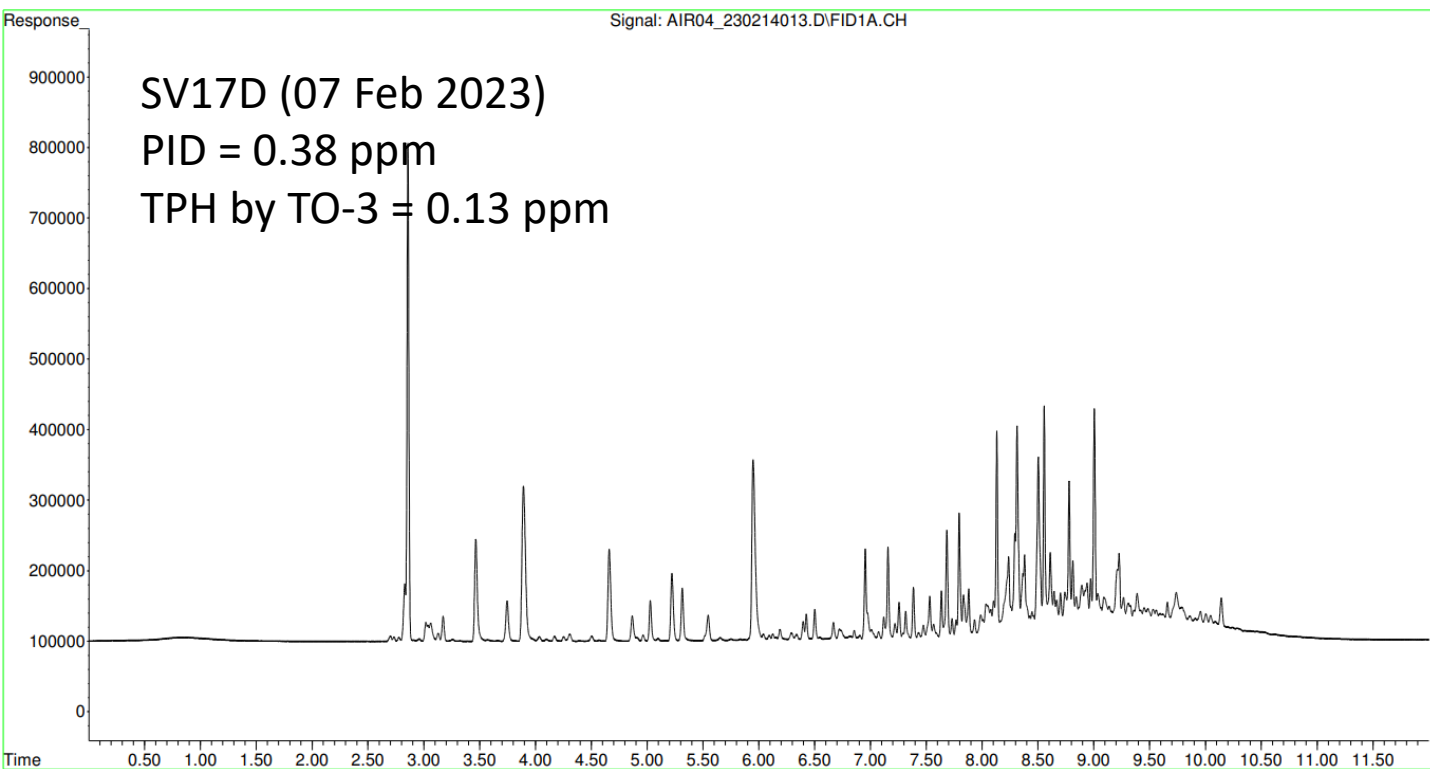
+ TIC-B Scan AIR10_230214035.D (479304-002,307495,9x,PDF:1,C10205)

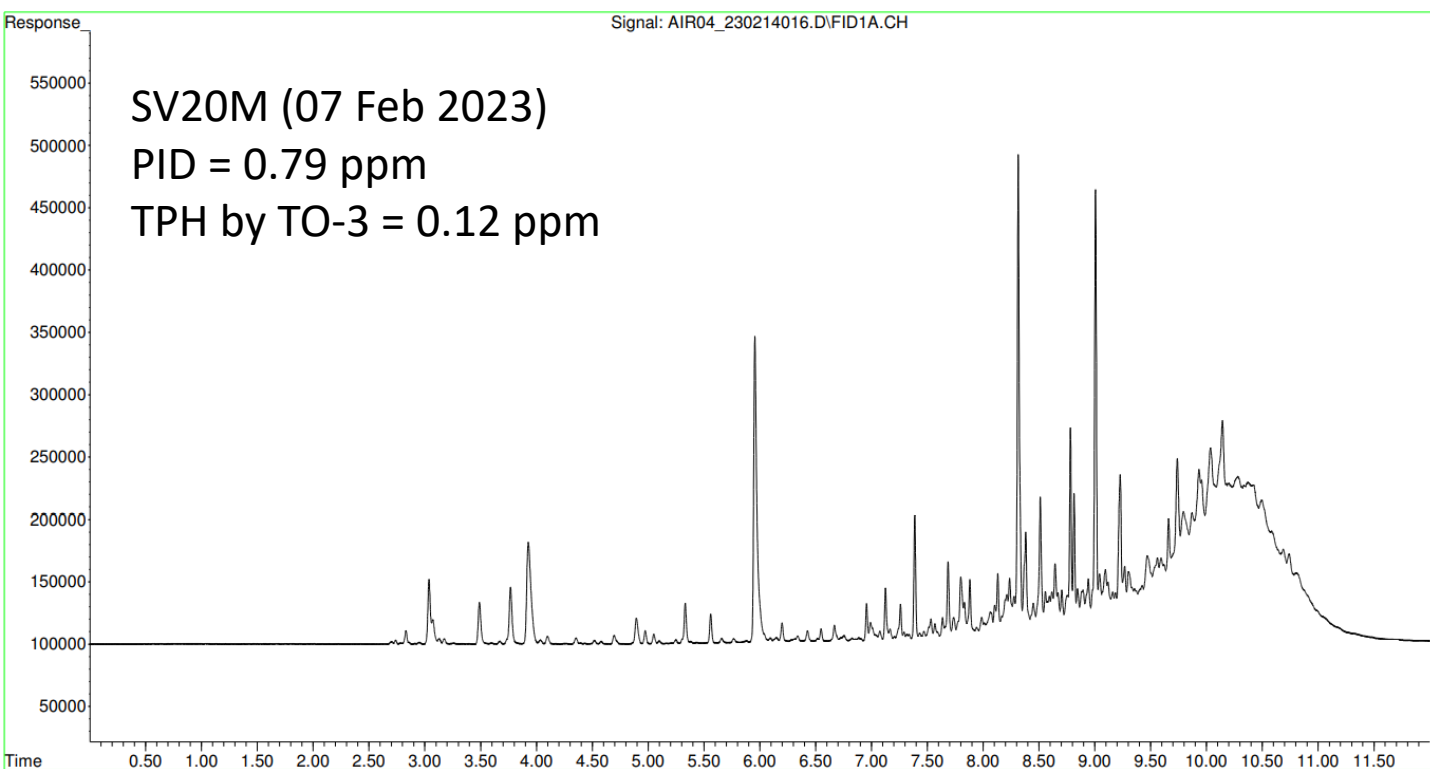
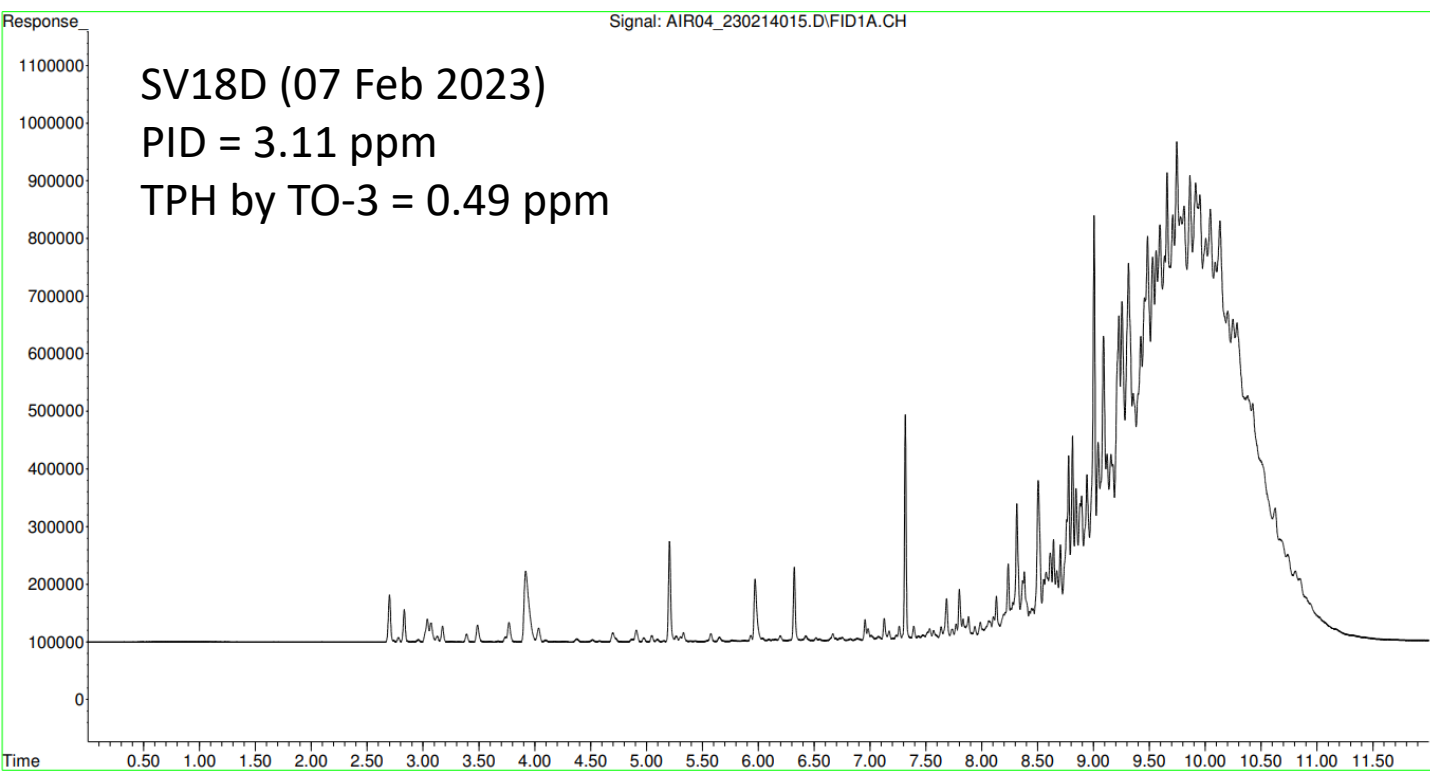




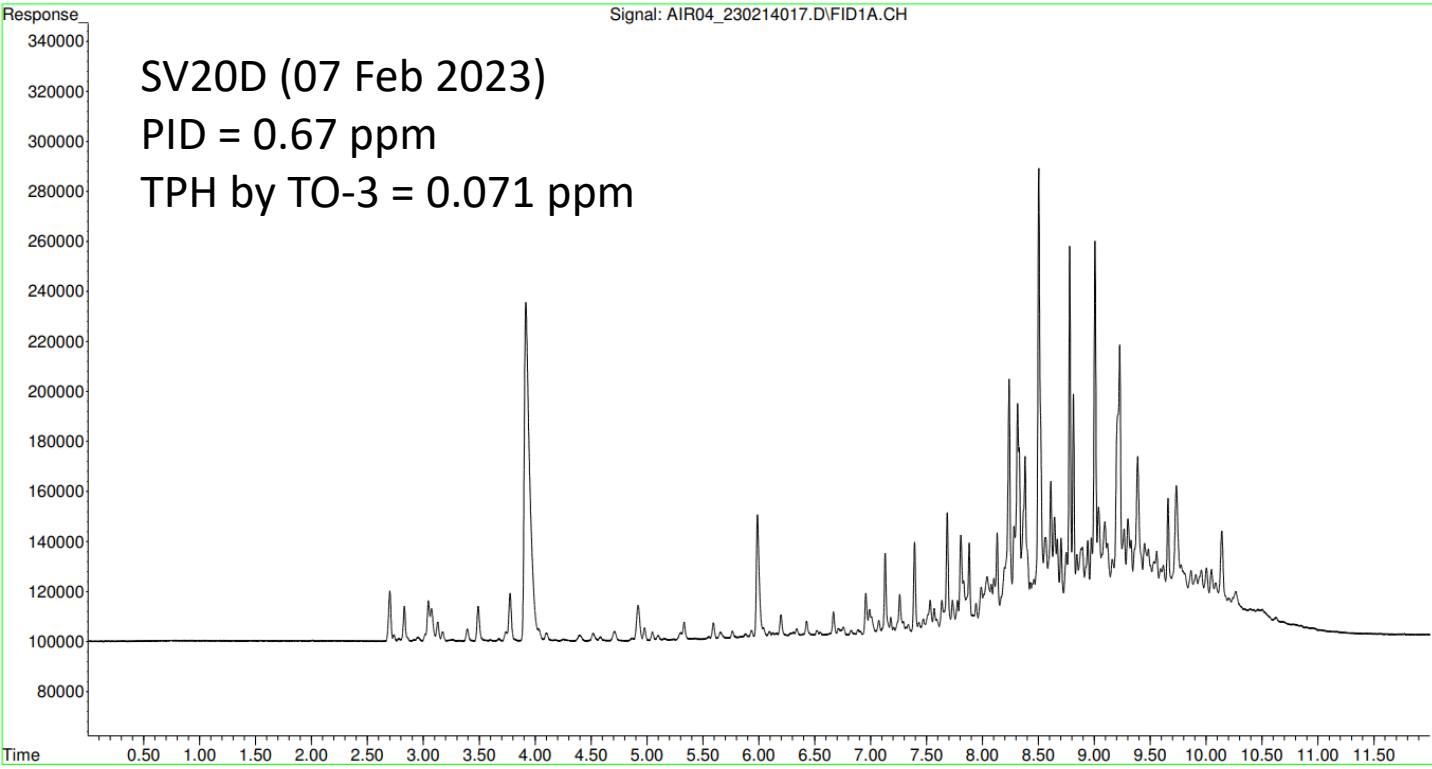
February 2023
Soil Vapor Samples
FID Chromatograms





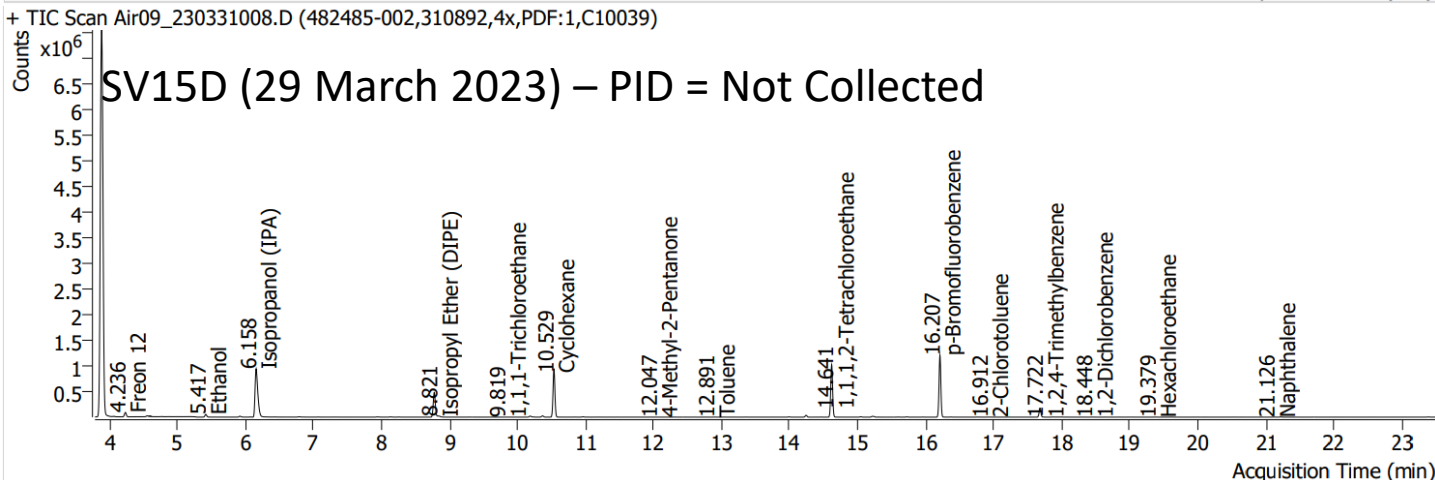
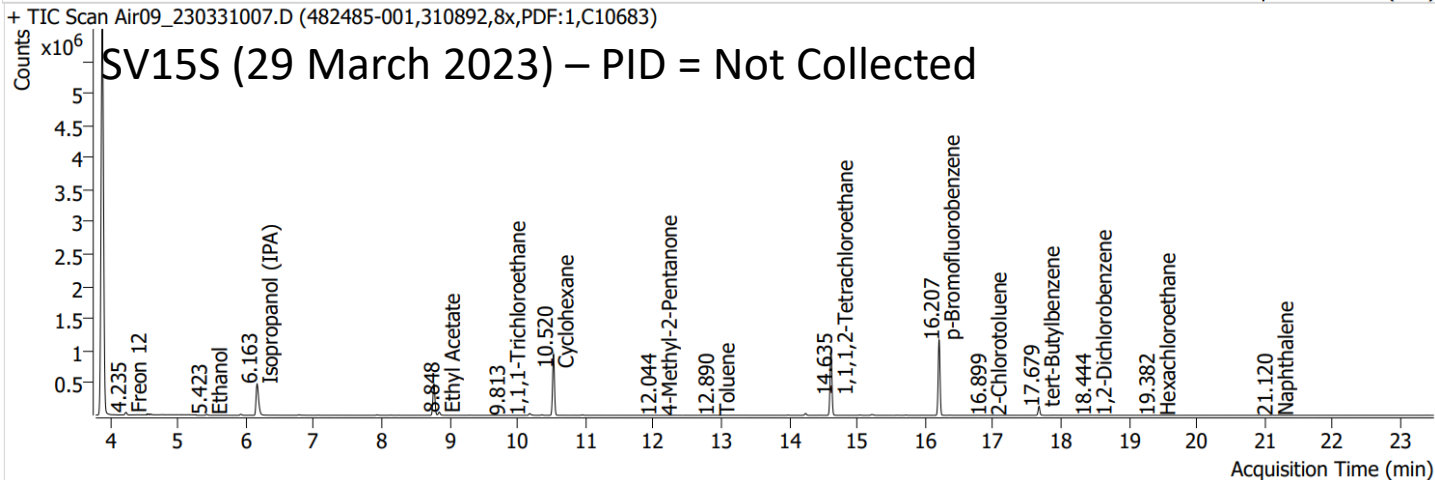
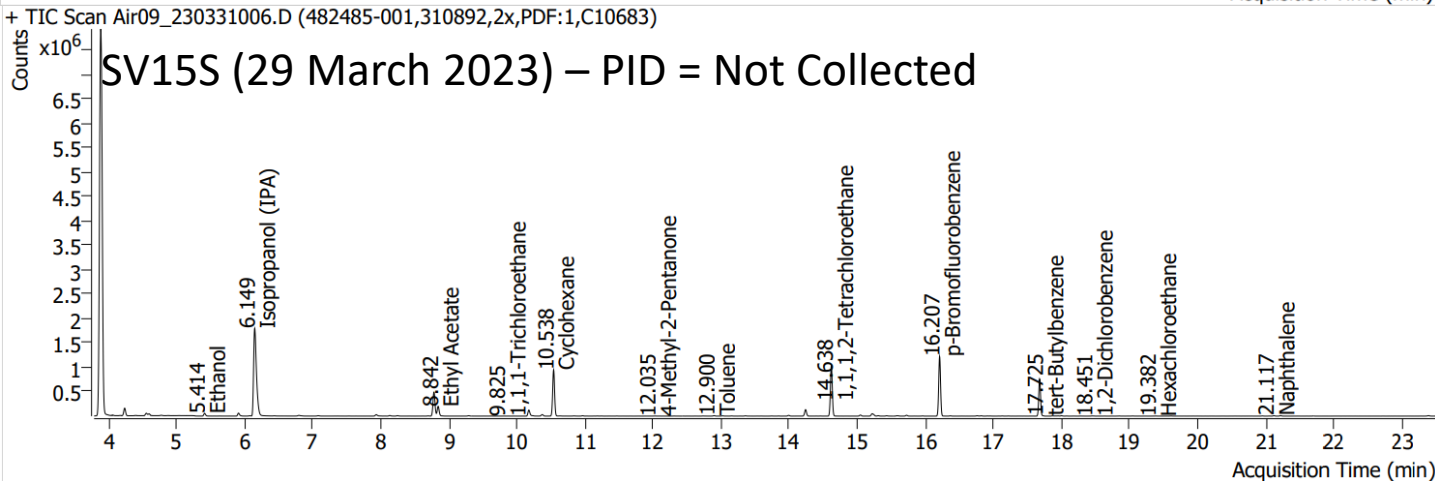
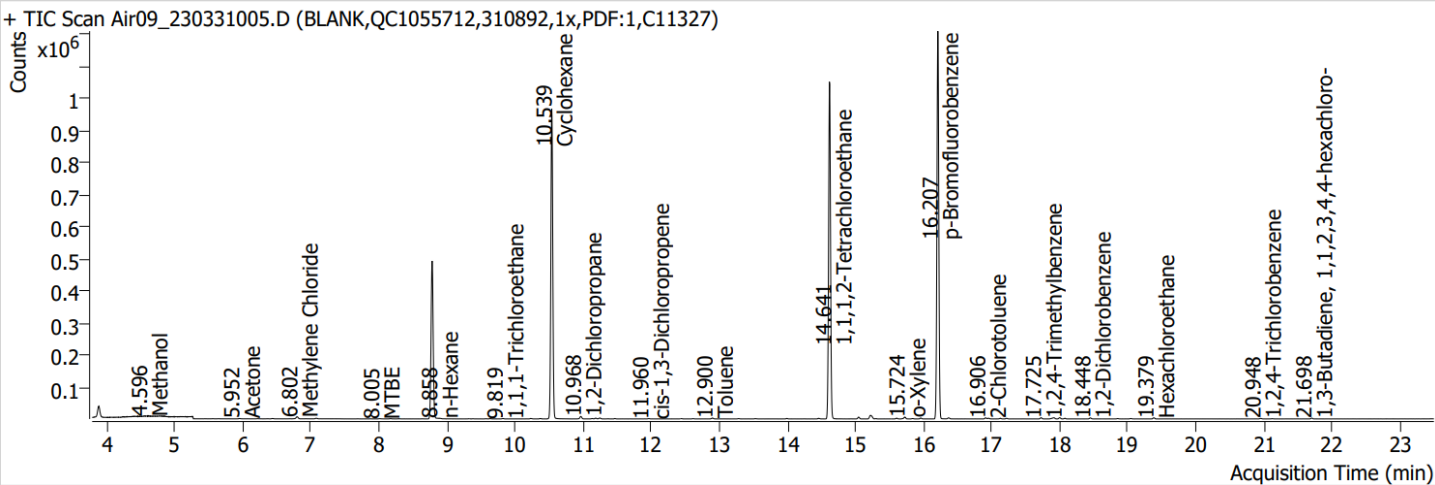


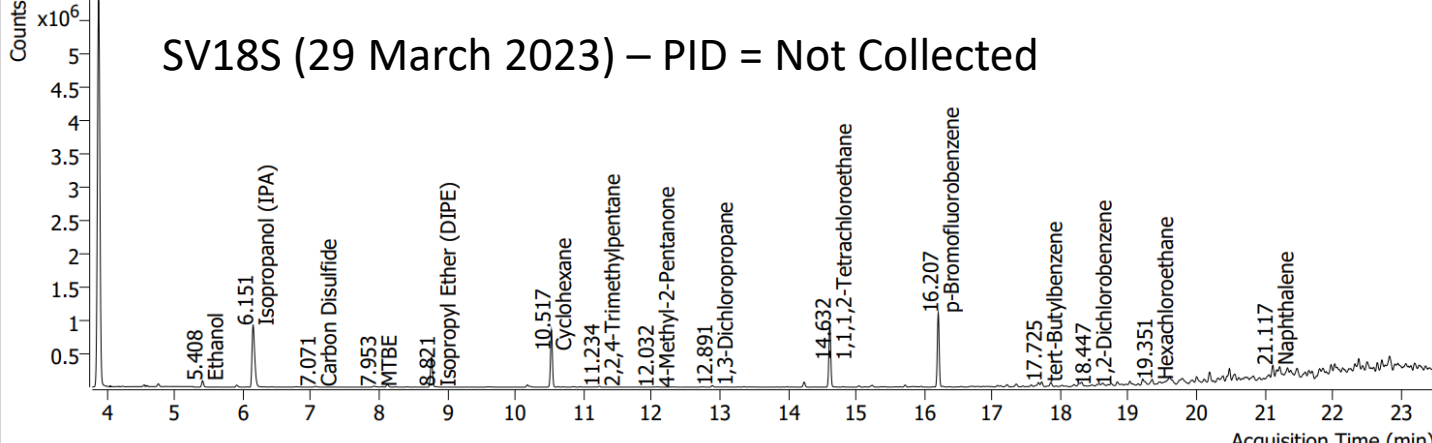
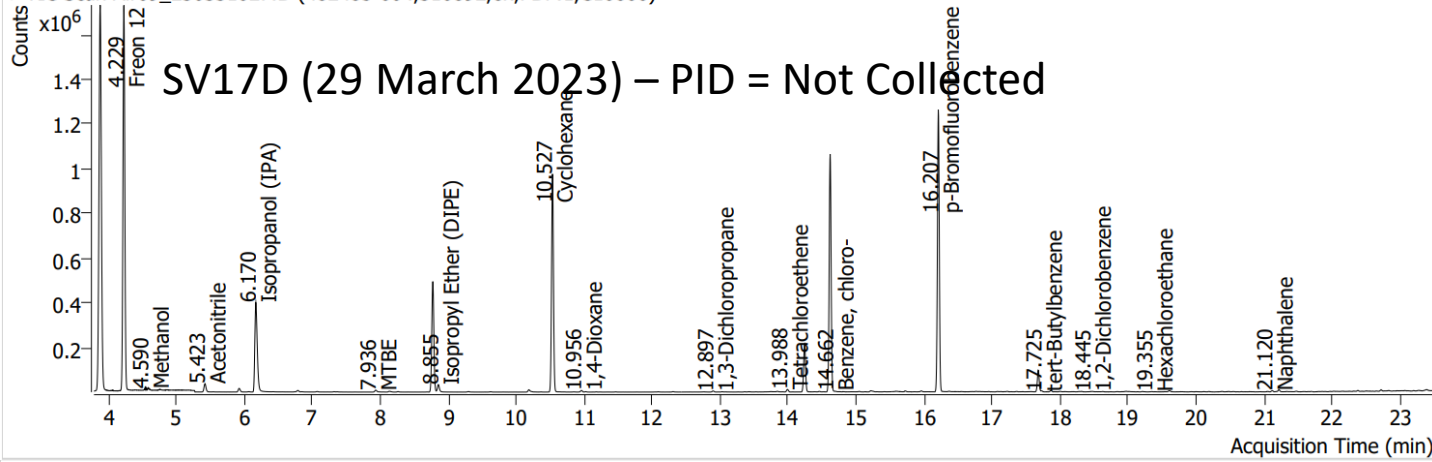
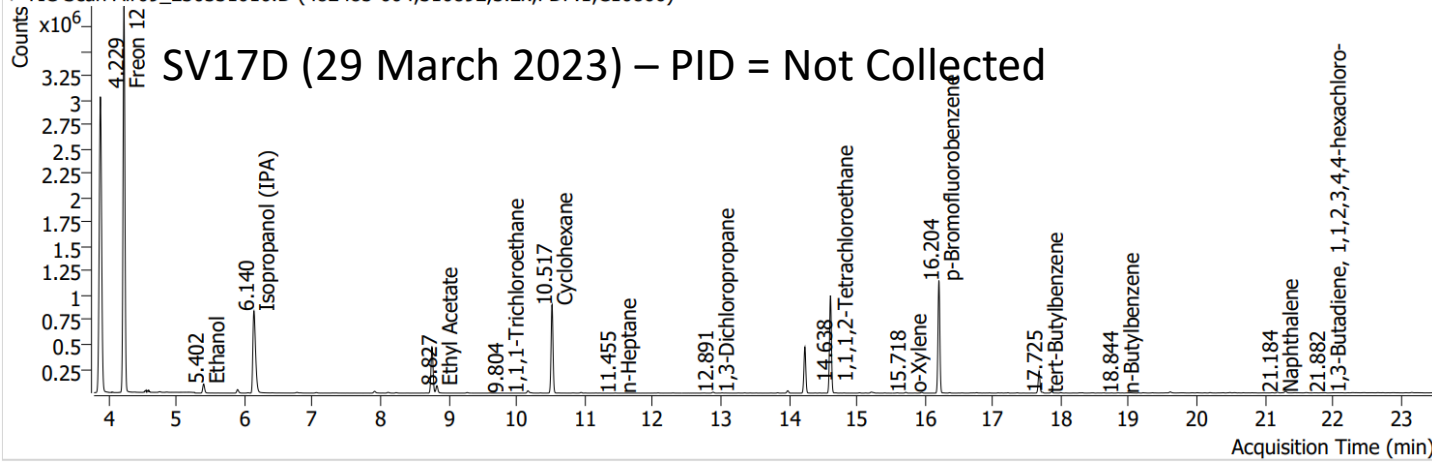
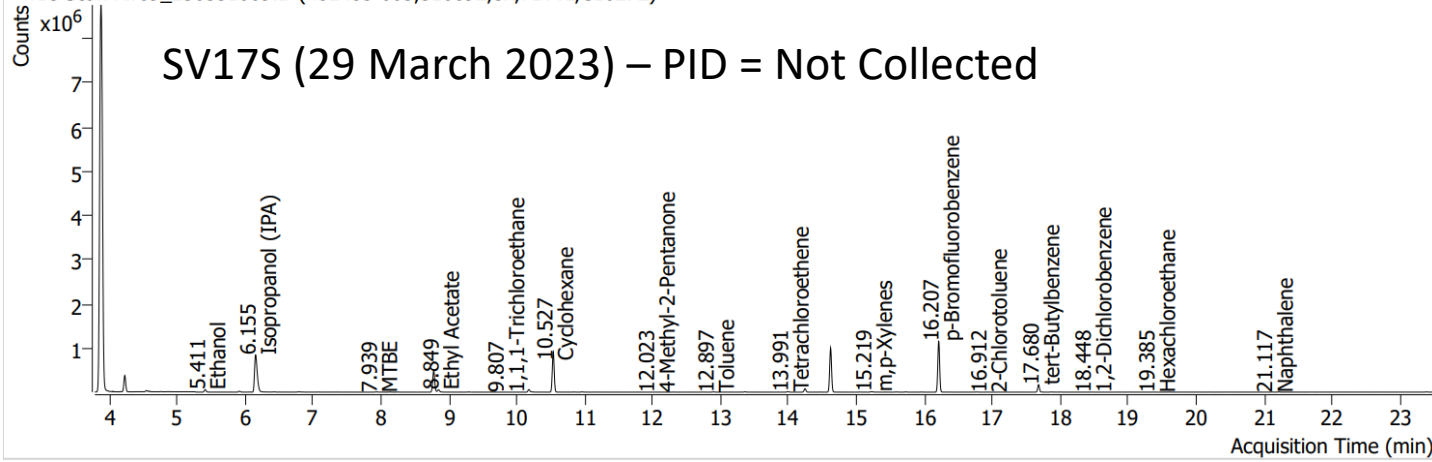
SV20D (07 Feb 2023)
PID = 0.67 ppm
TPH by TO-3 = 0.071 ppm



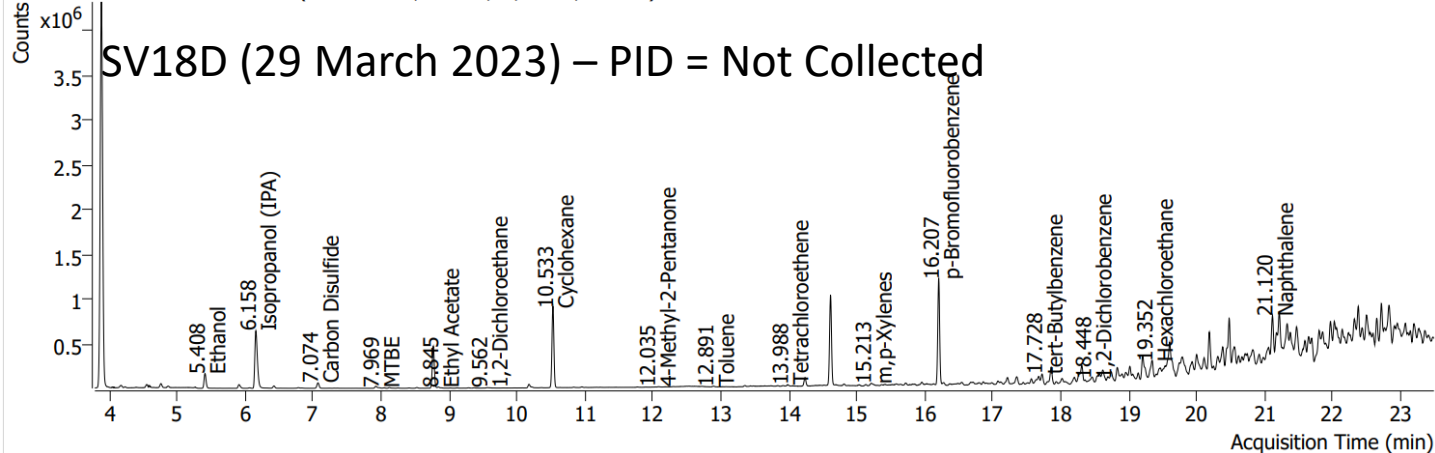
March 2023
Soil Vapor Samples

Mass Spec Chromatograms

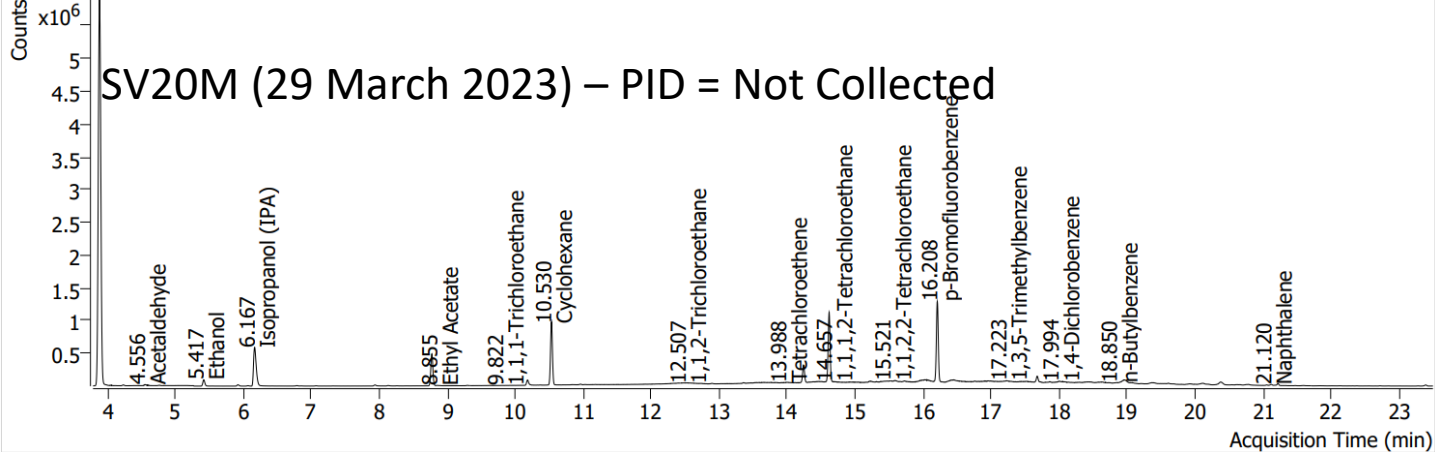




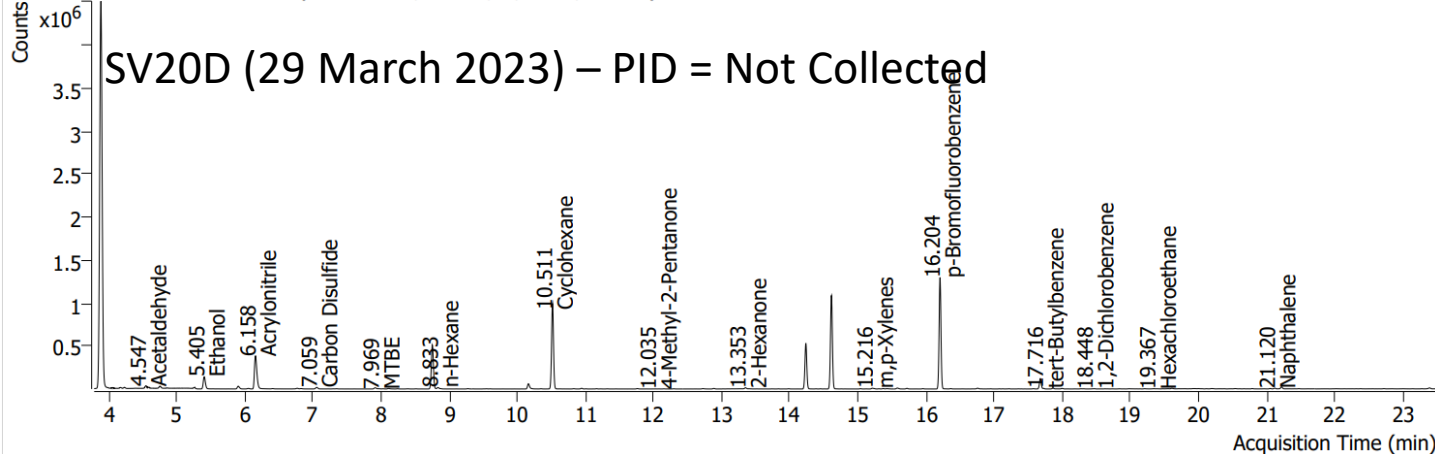
+ TIC Scan Air09_230331012.D (482485-006,310892,2x,PDF:1,C10289)



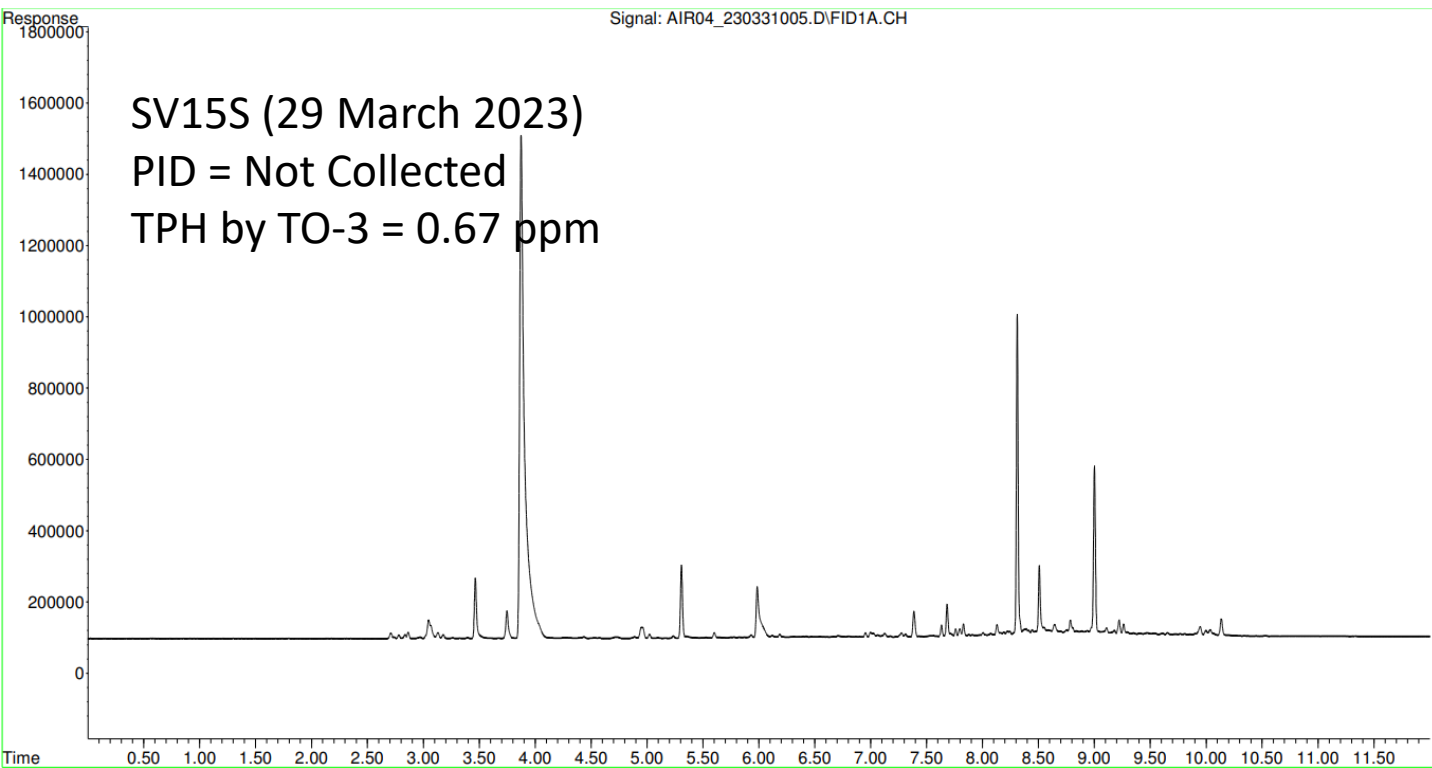
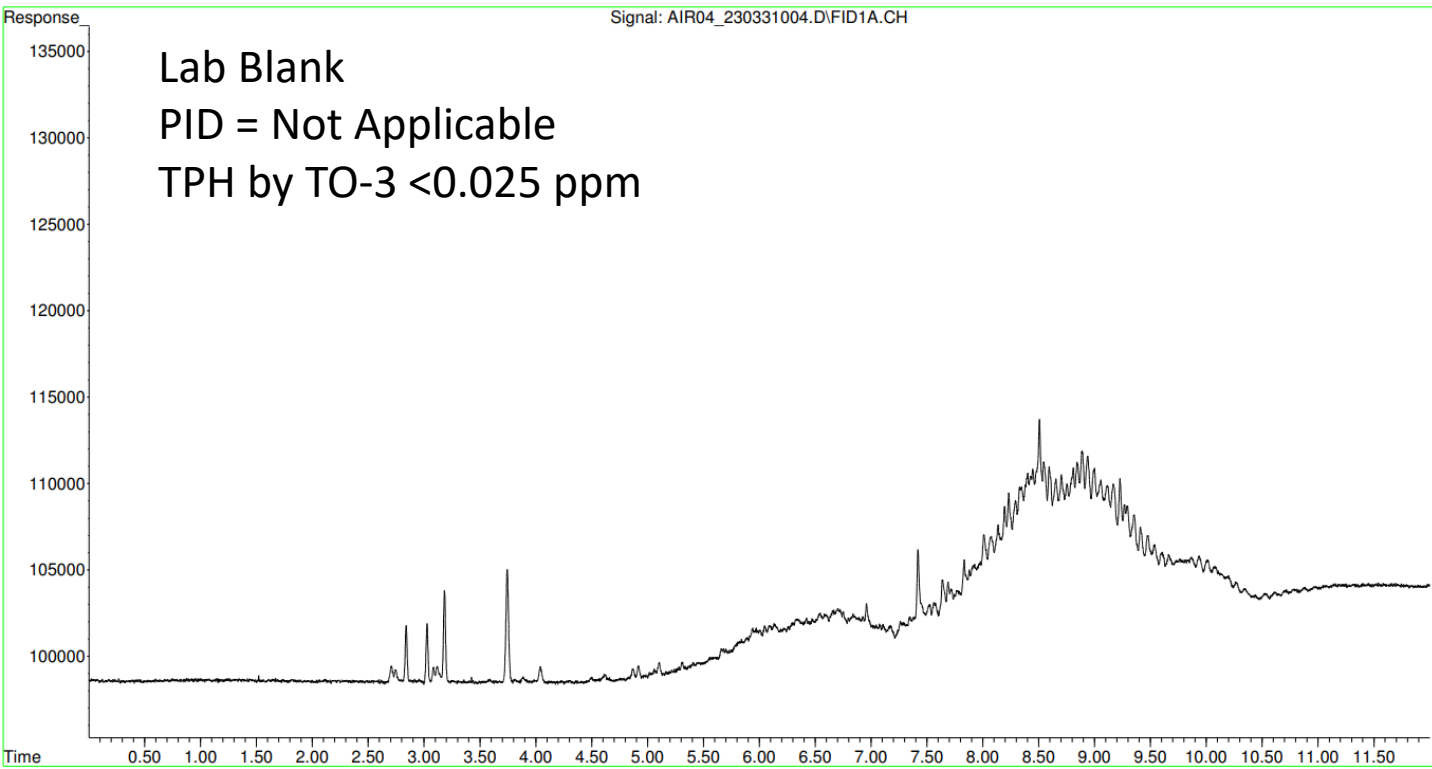
+ TIC Scan Air09_230331013.D (482485-007,310892,2x,PDF:1,C10380)

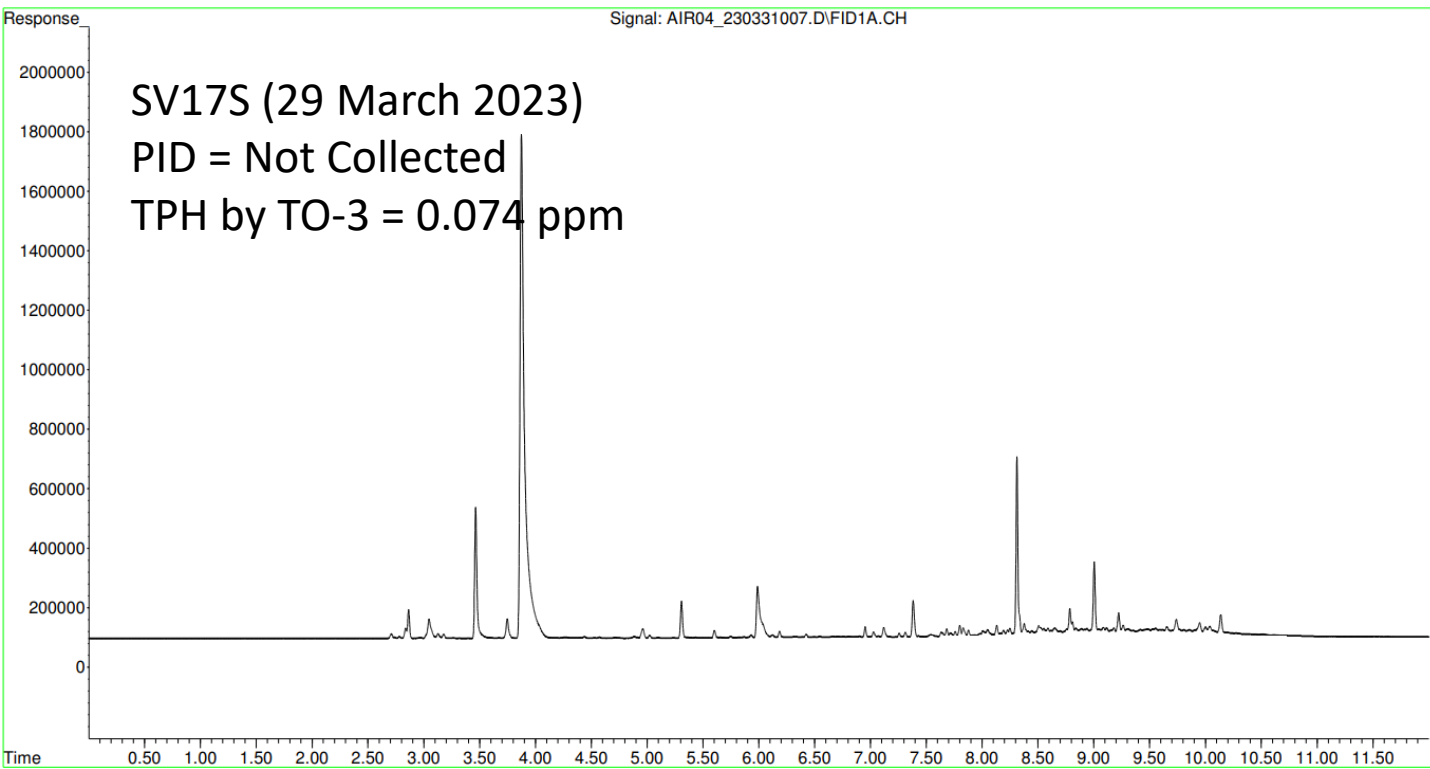
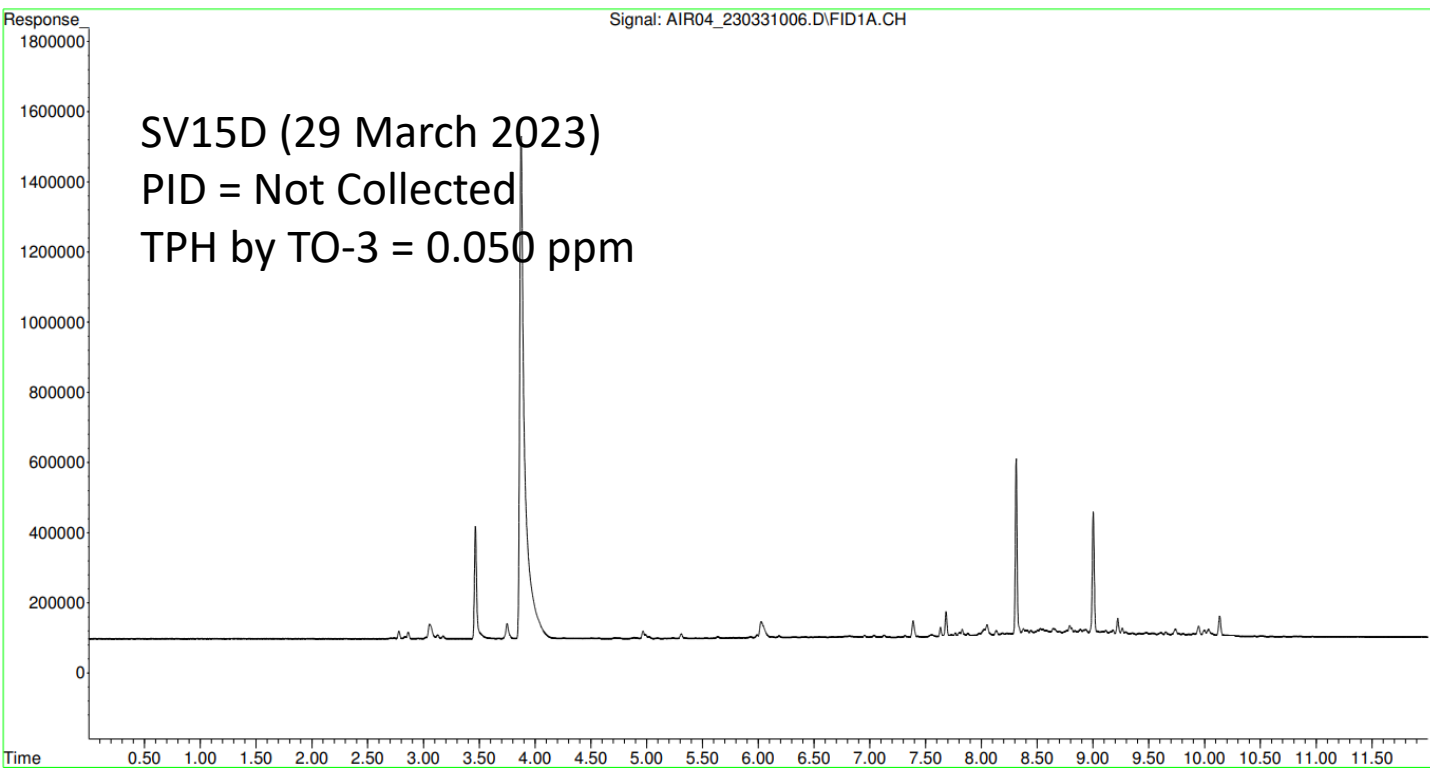


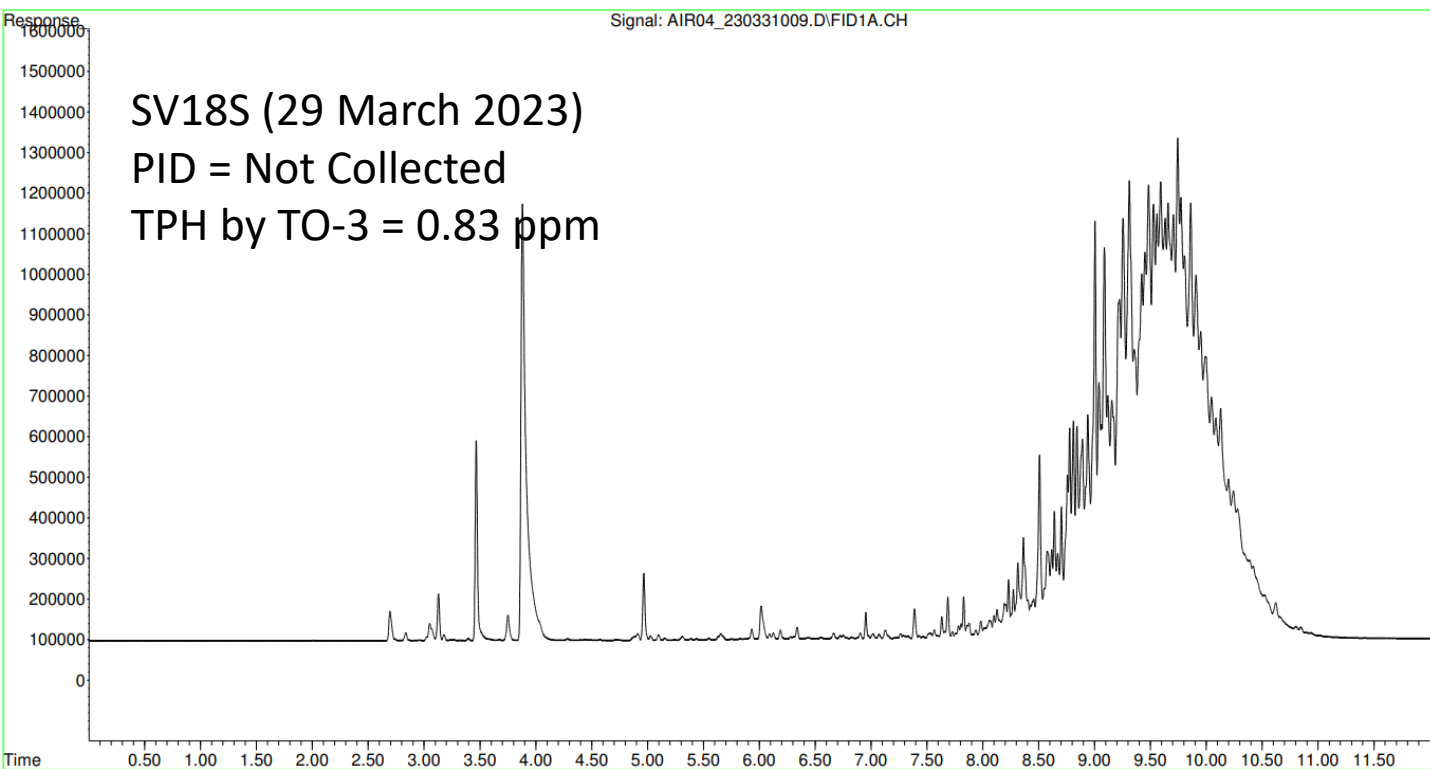
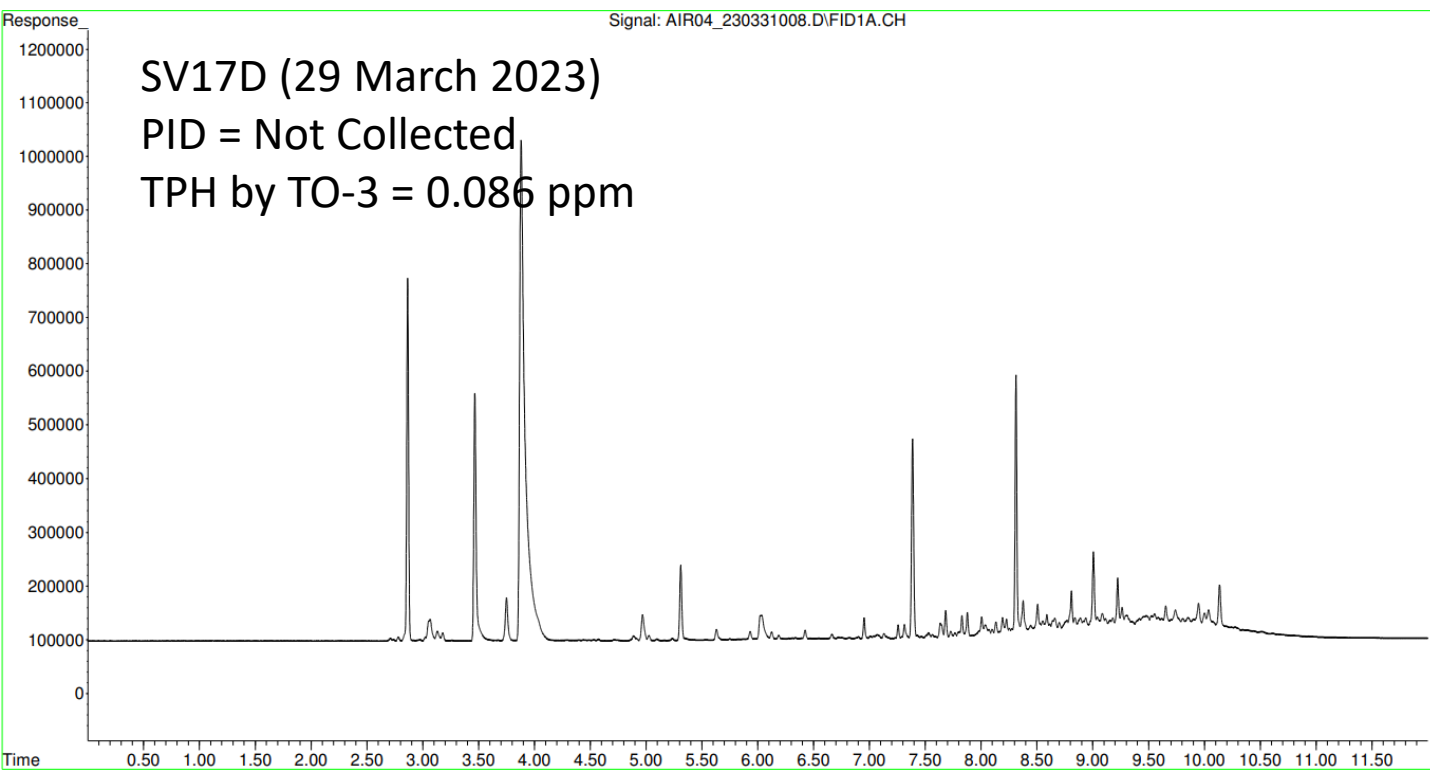
+ TIC Scan Air09_230331014.D (482485-008,310892,2x,PDF:1,C10310)

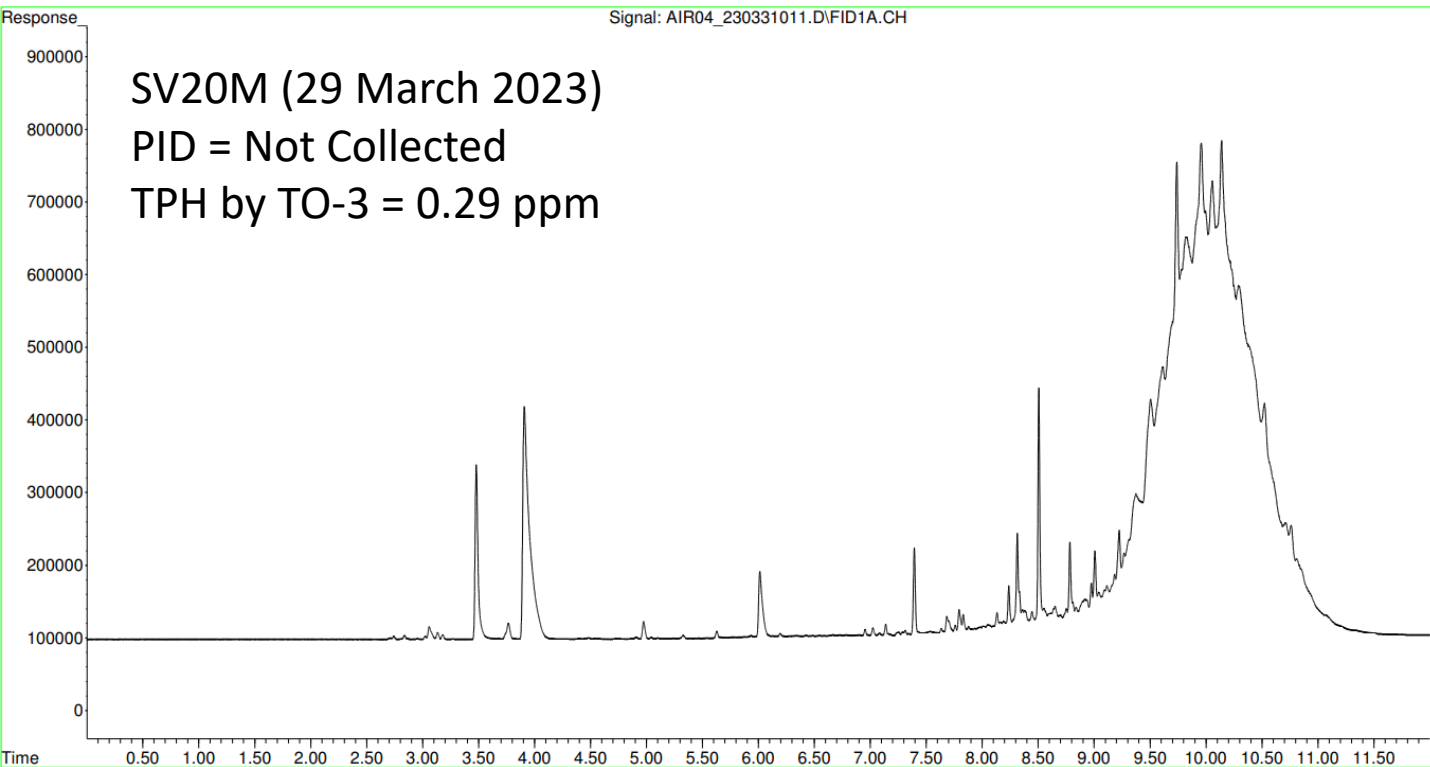
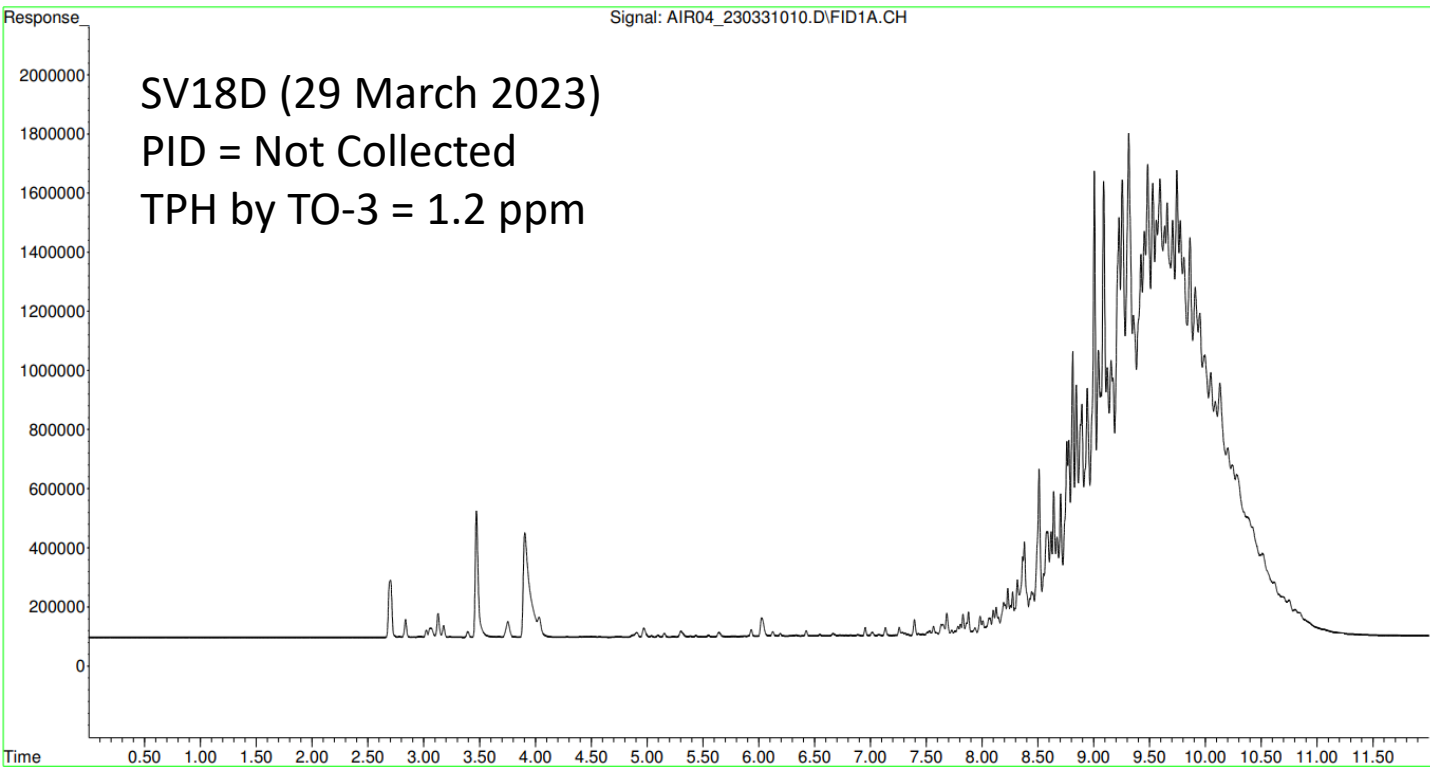


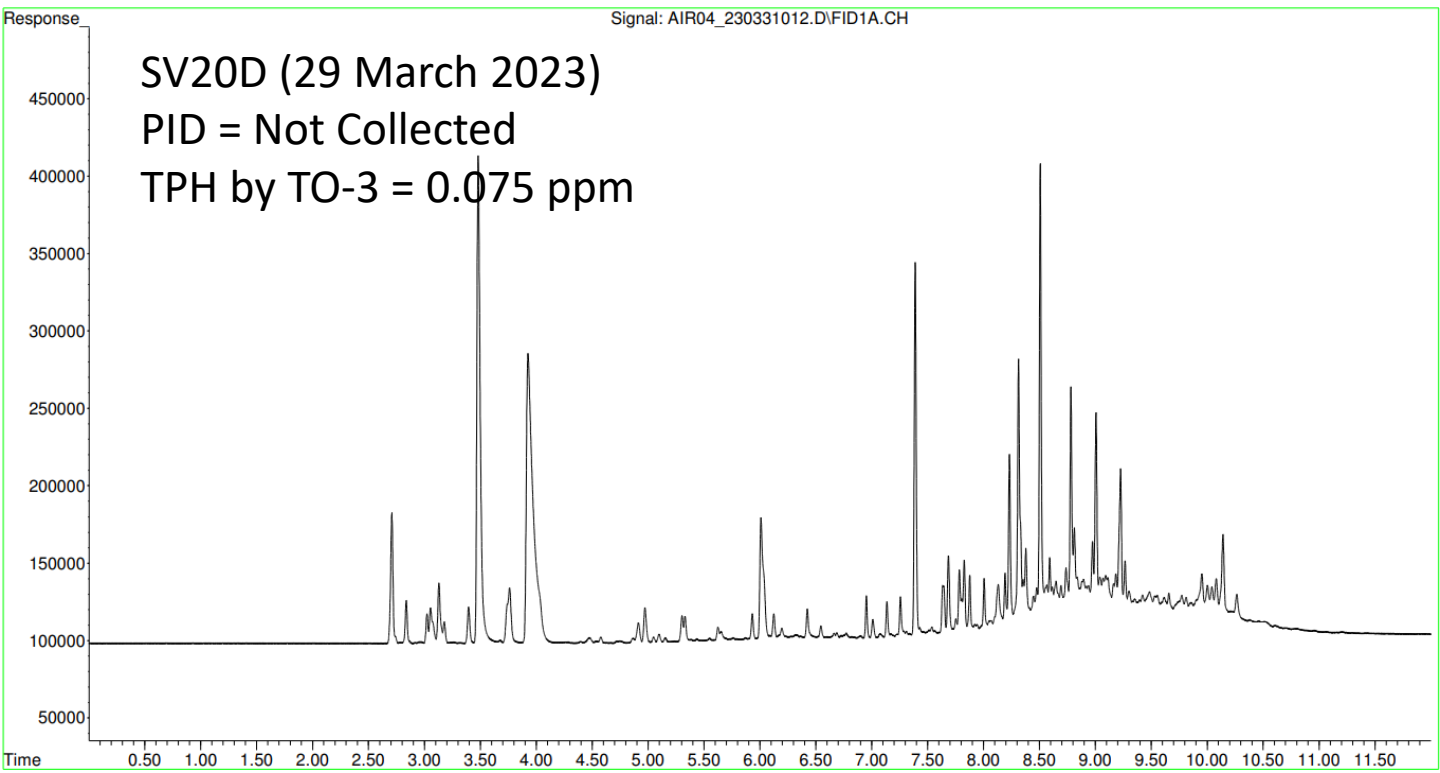
March 2023
Soil Vapor Samples
FID Chromatograms











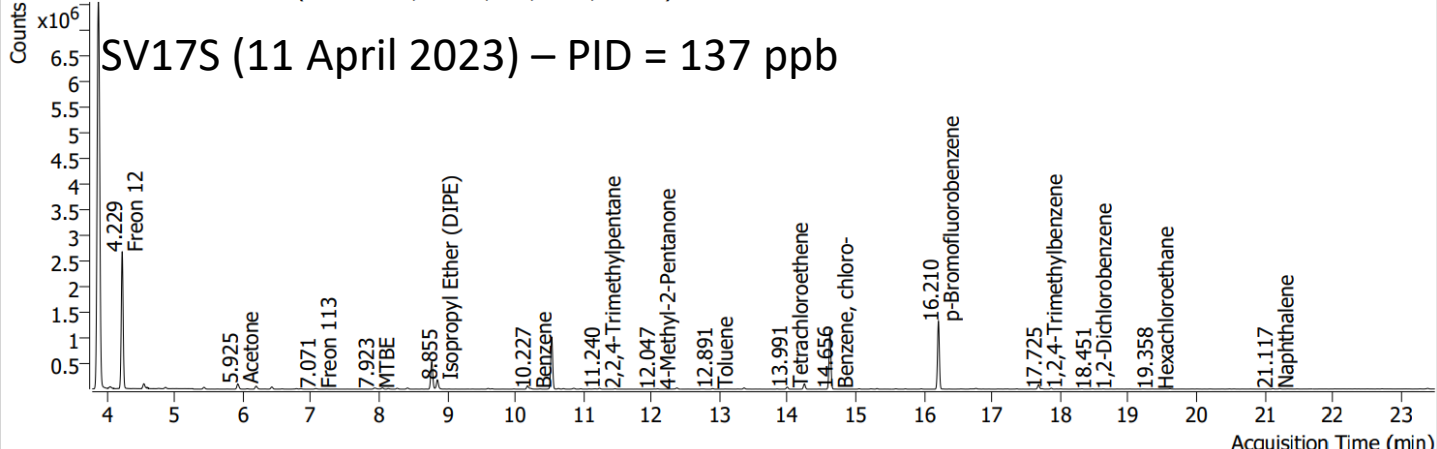
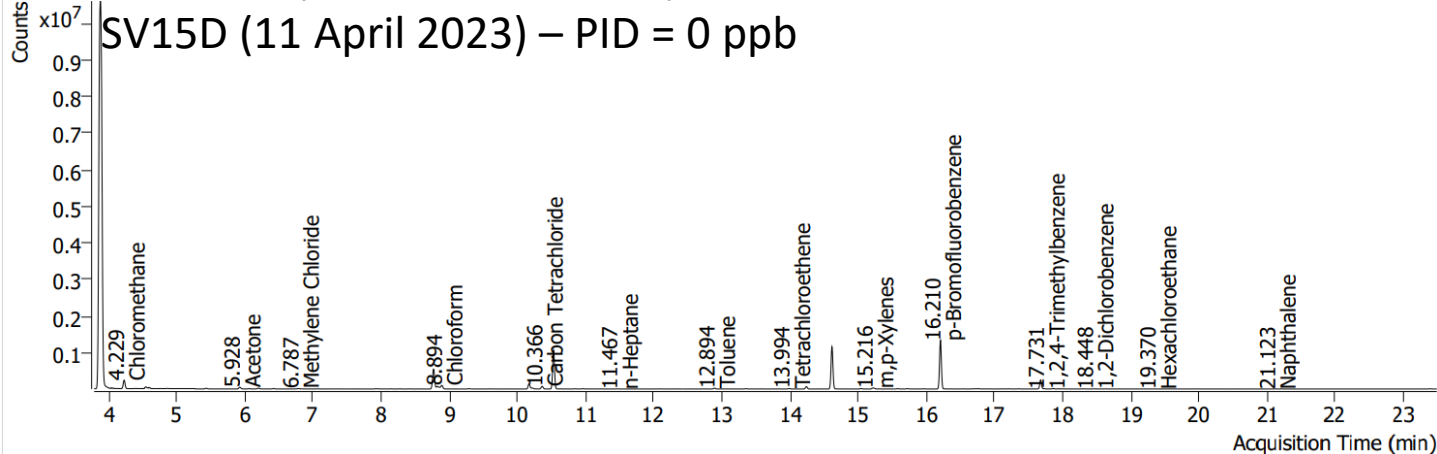
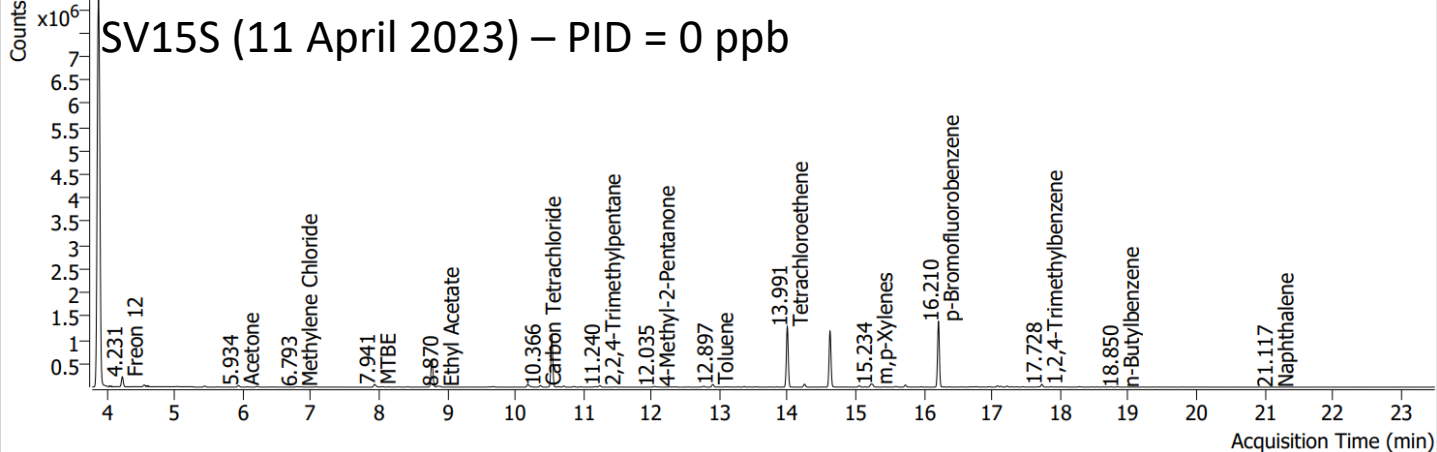
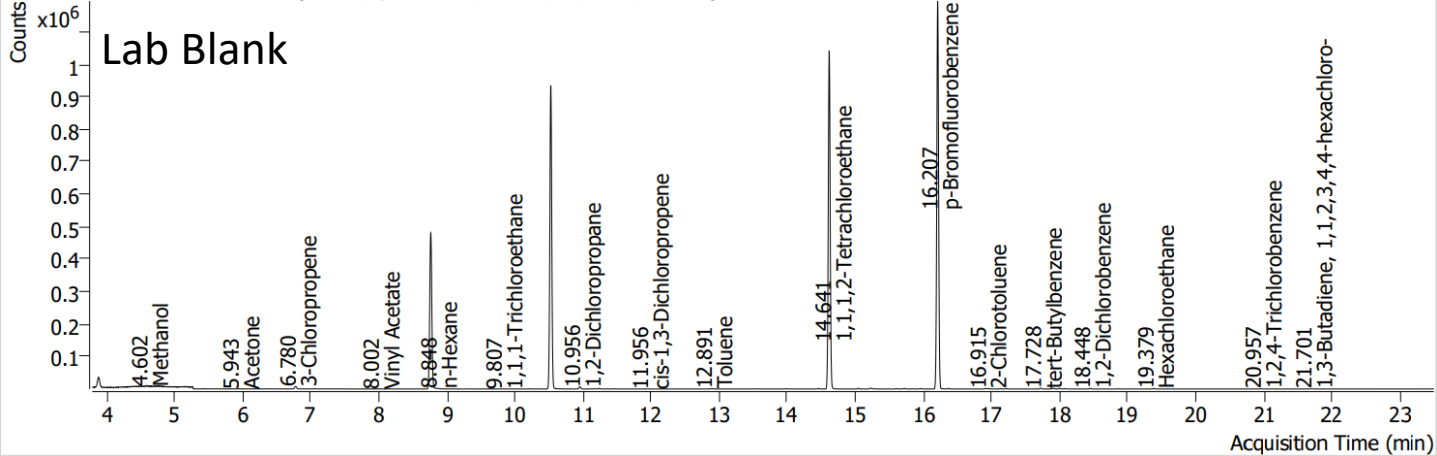
SV20D (29 March 2023)
PID = Not Collected
TPH by TO-3 = 0.075 ppm

Signal: AIR04_230331012.D\FID1A.CH

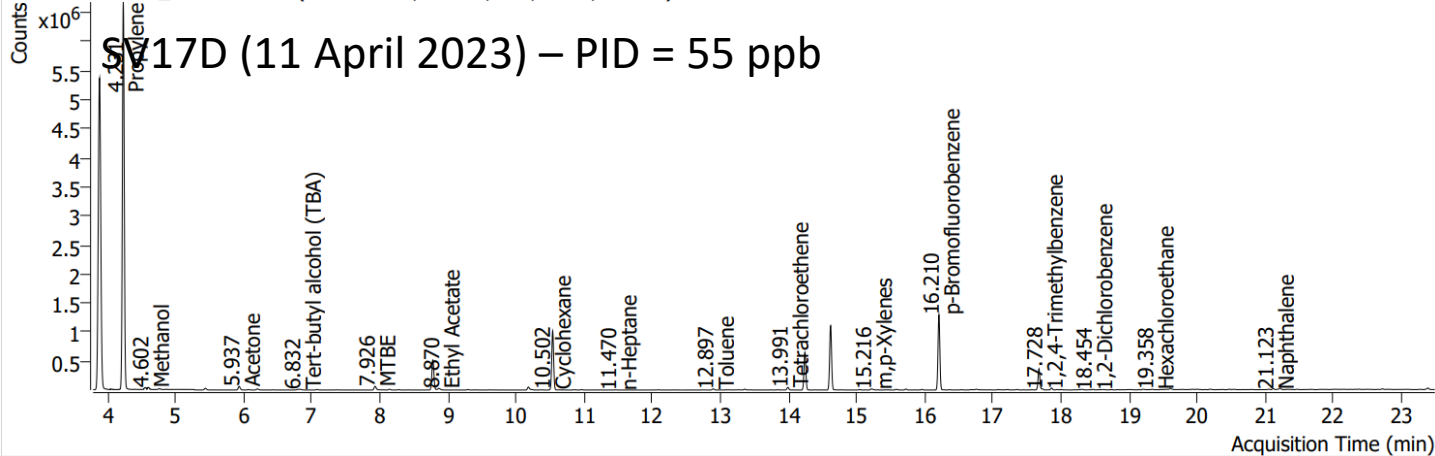
April 2023

Soil Vapor Samples

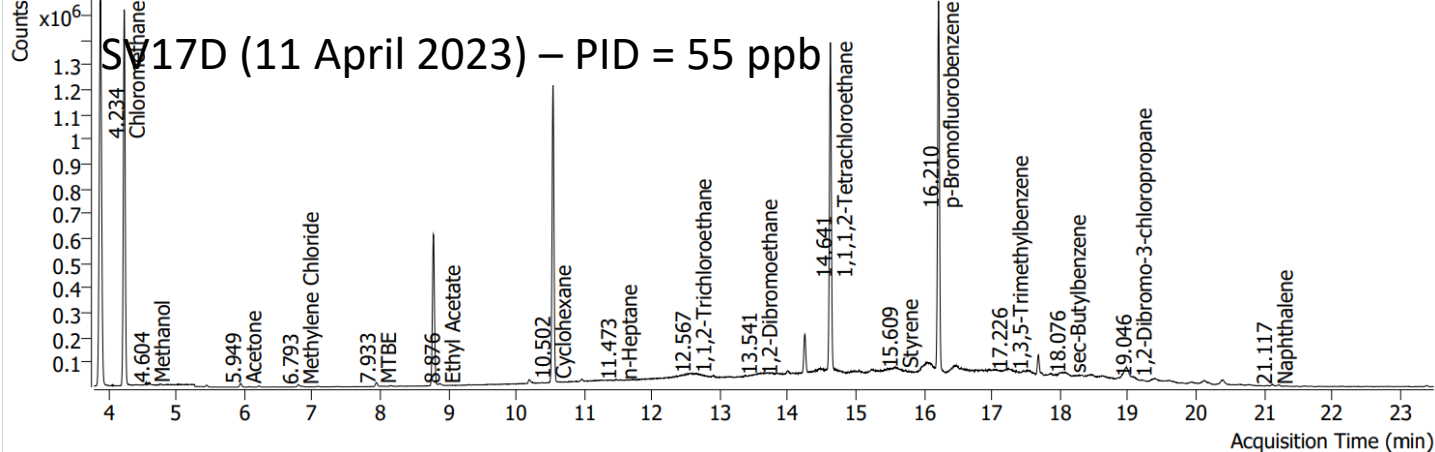
Mass Spec Chromatograms



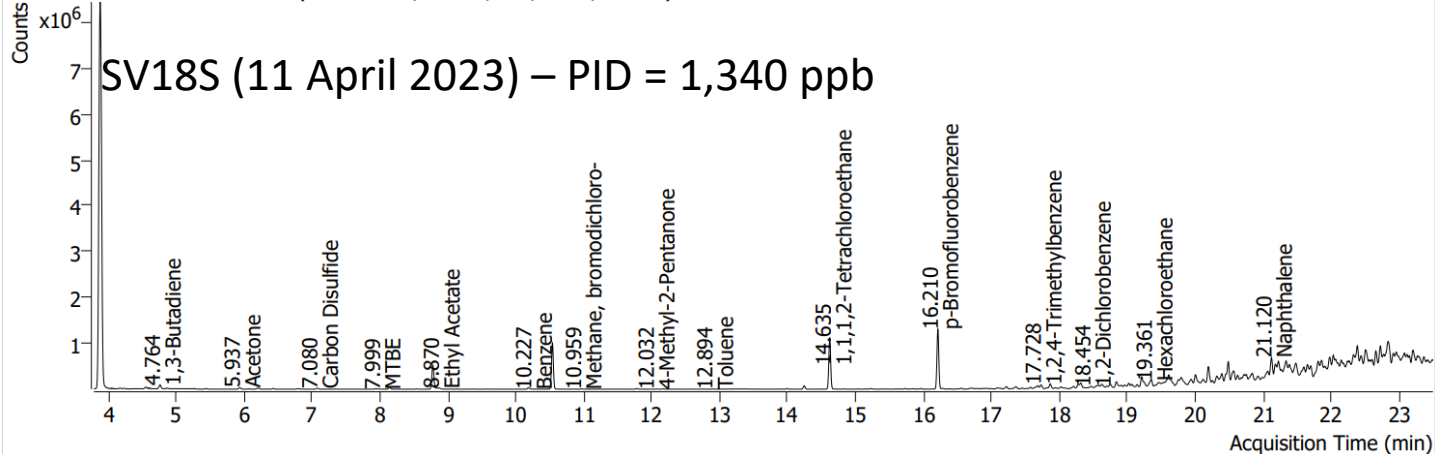
+ TIC Scan Air09_230413024.D (483282-004,311720,1.8x,PDF:1,C10202)



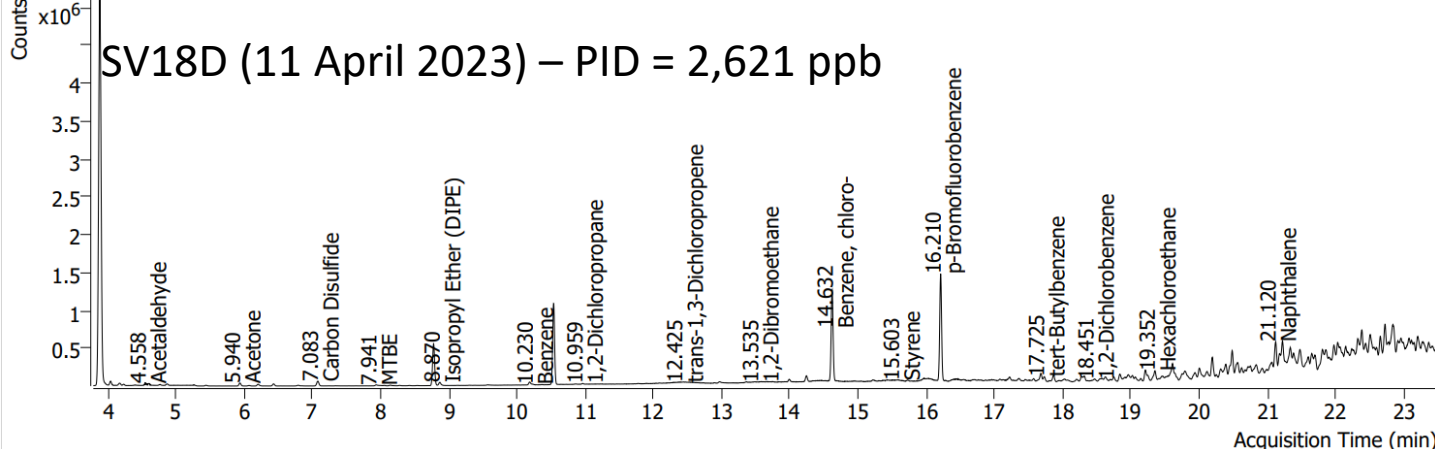
+ TIC Scan Air09_230414007.D (483282-004,311795,9x,PDF:1,C10202)



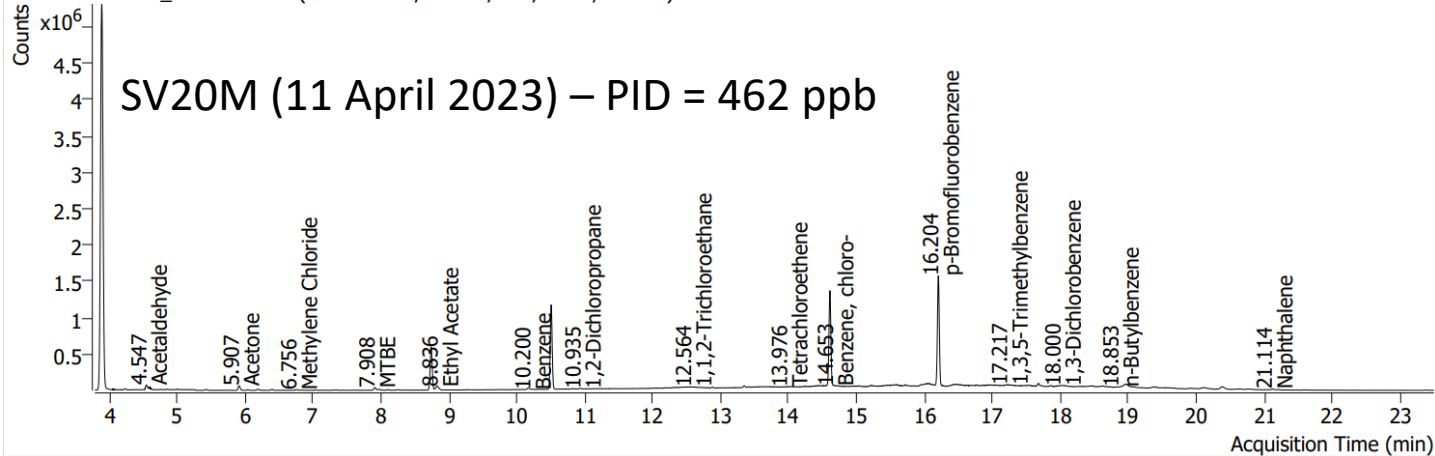
+ TIC Scan Air09_230413025.D (483282-005,311720,1.8x,PDF:1,C10452)



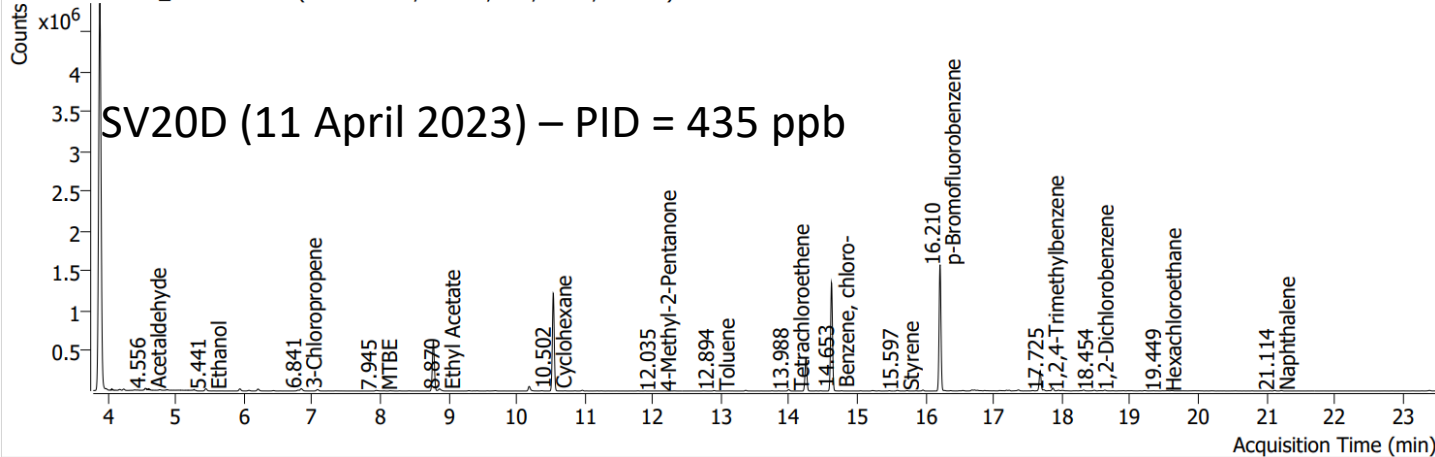
+ TIC Scan Air09_230413026.D (483282-006,311720,1.8x,PDF:1,C10081)



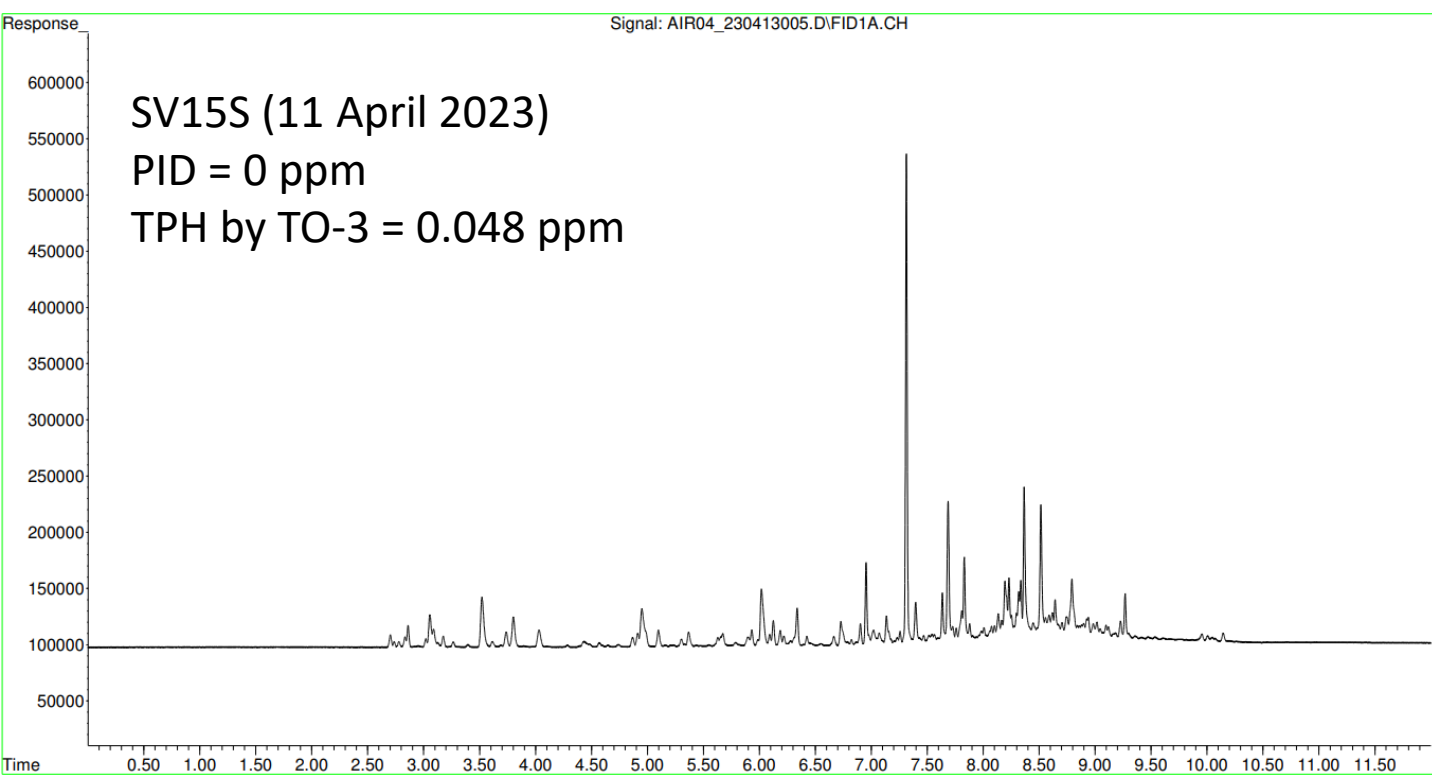
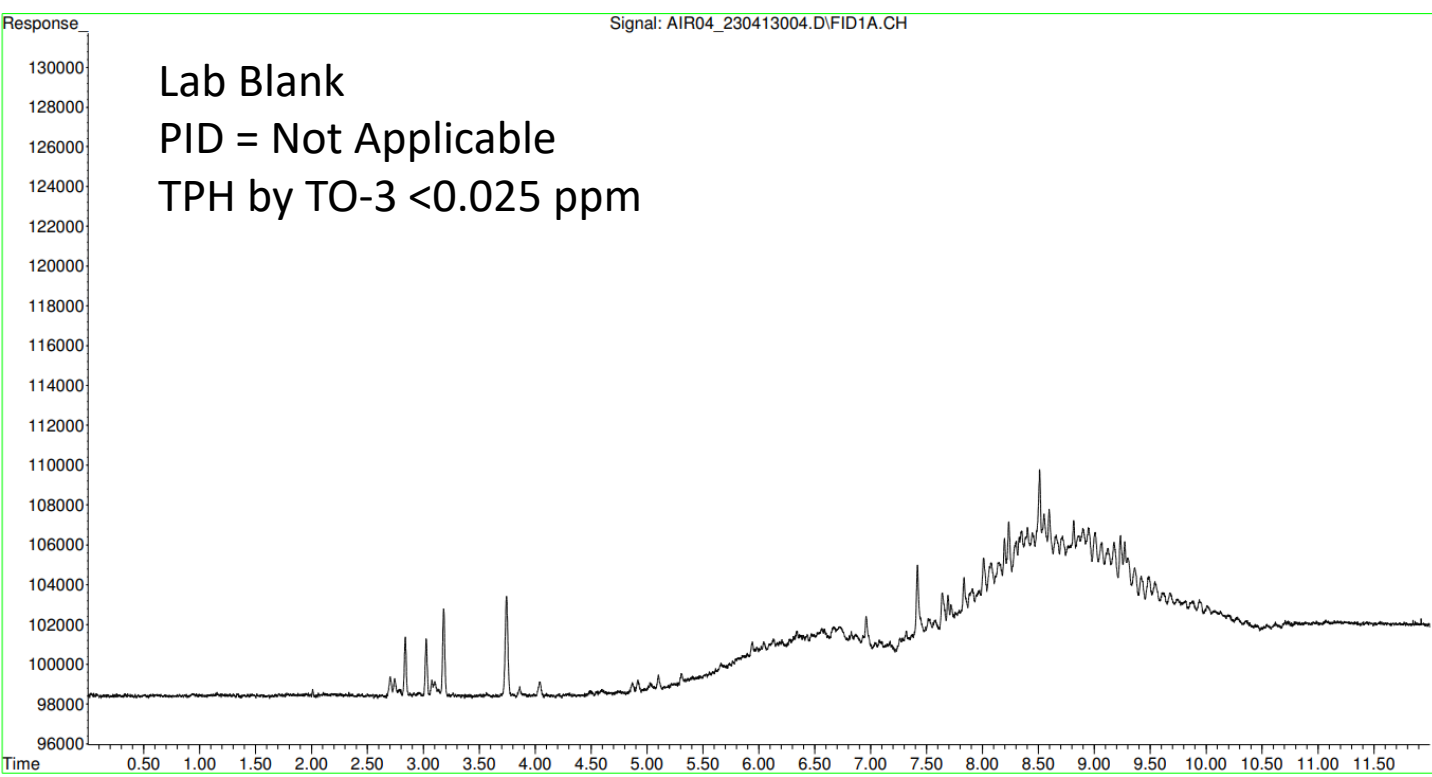
+ TIC Scan Air09_230413027.D (483282-007,311720,1.8x,PDF:1,C10442)

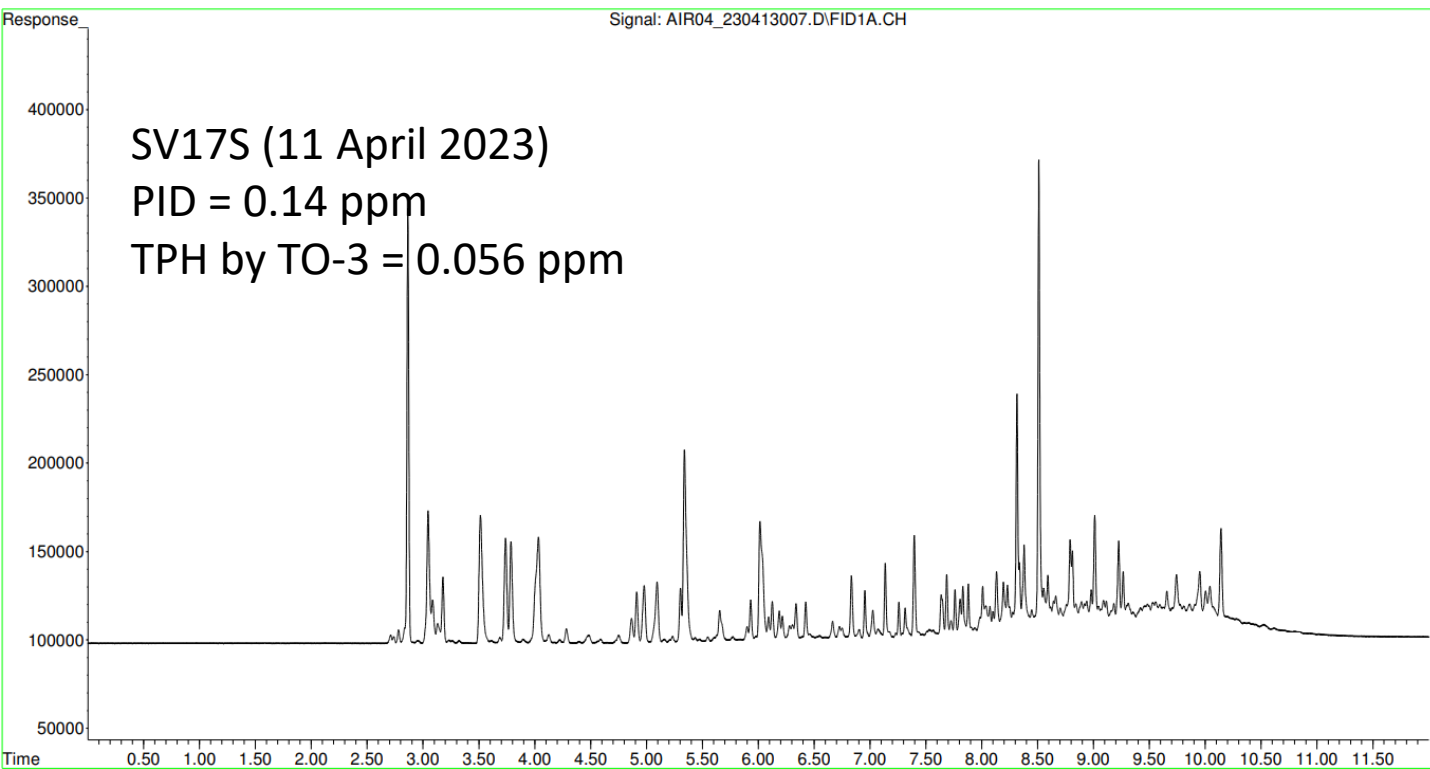
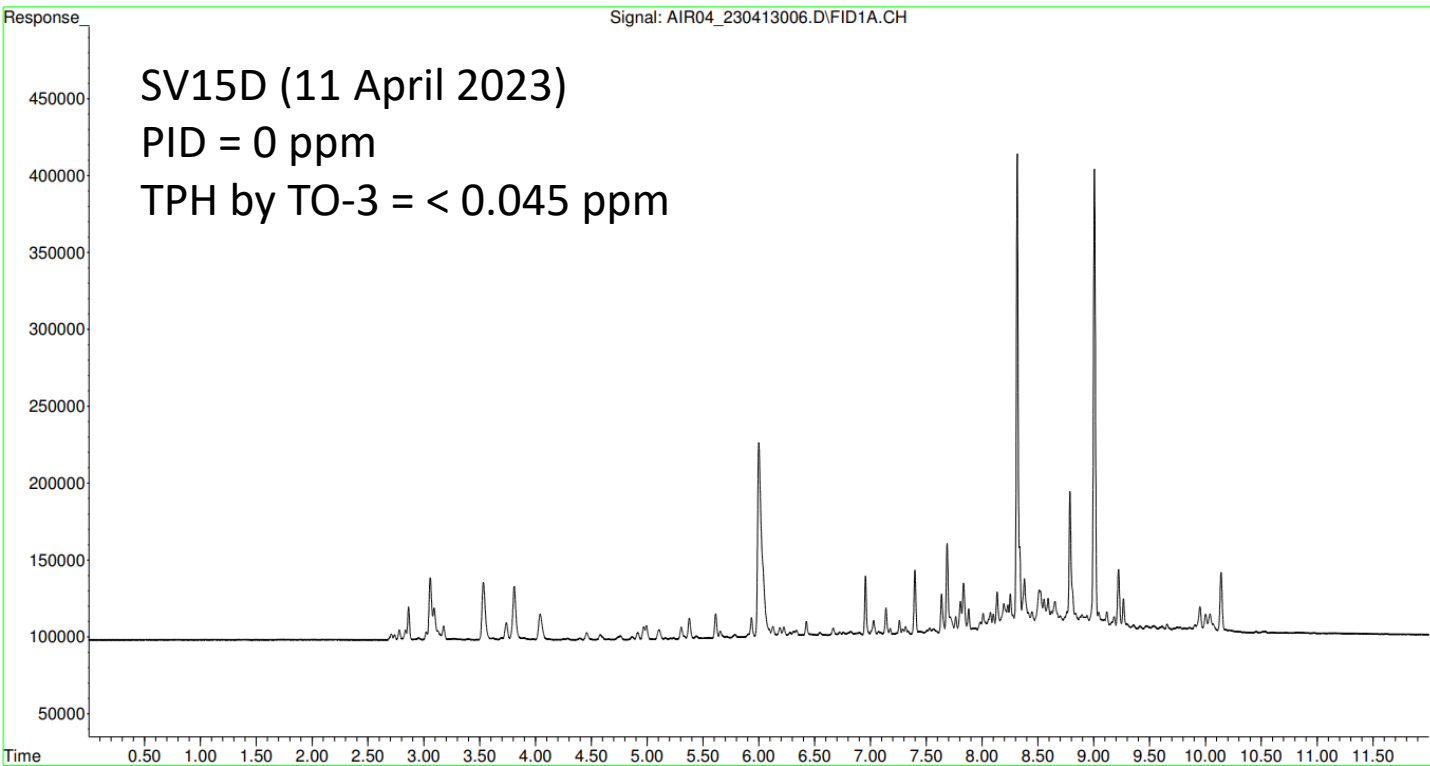


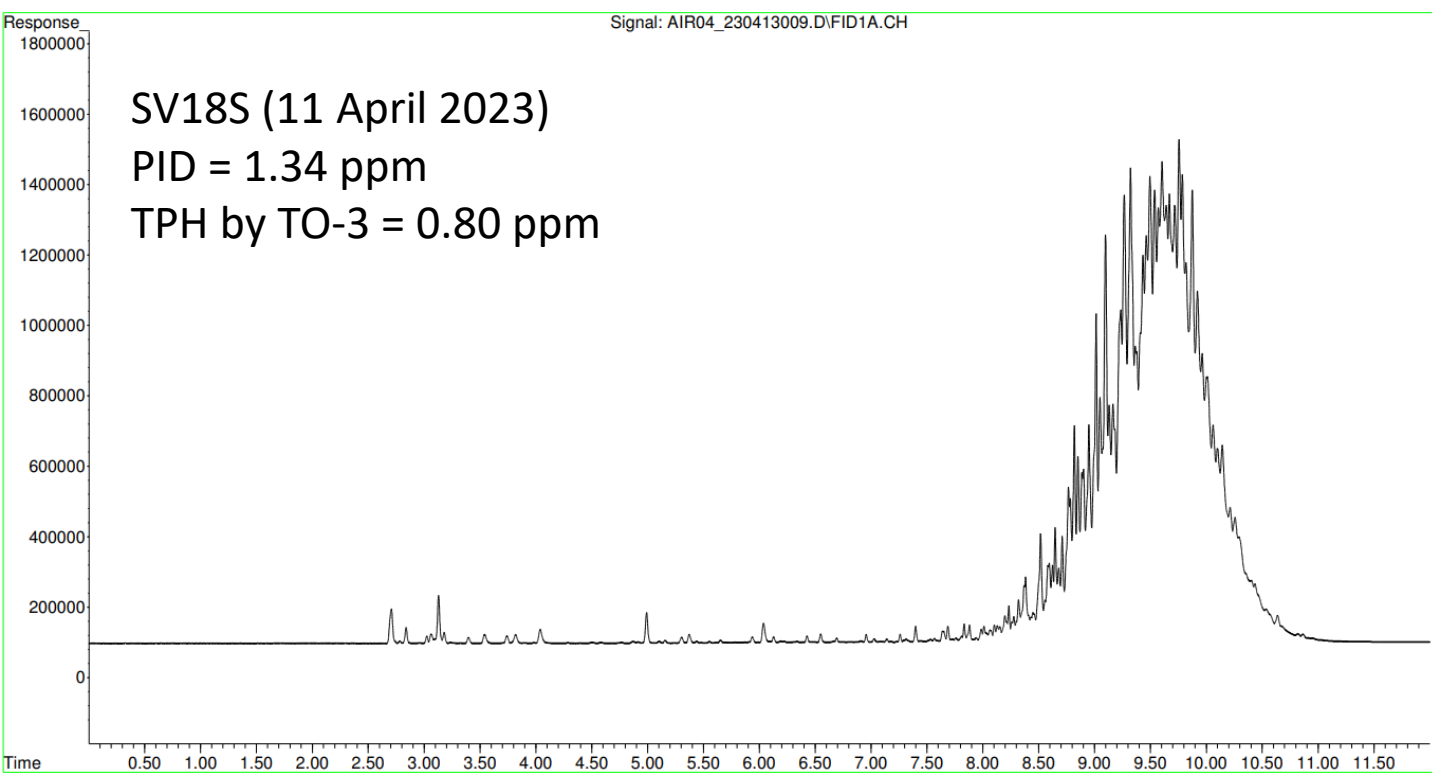
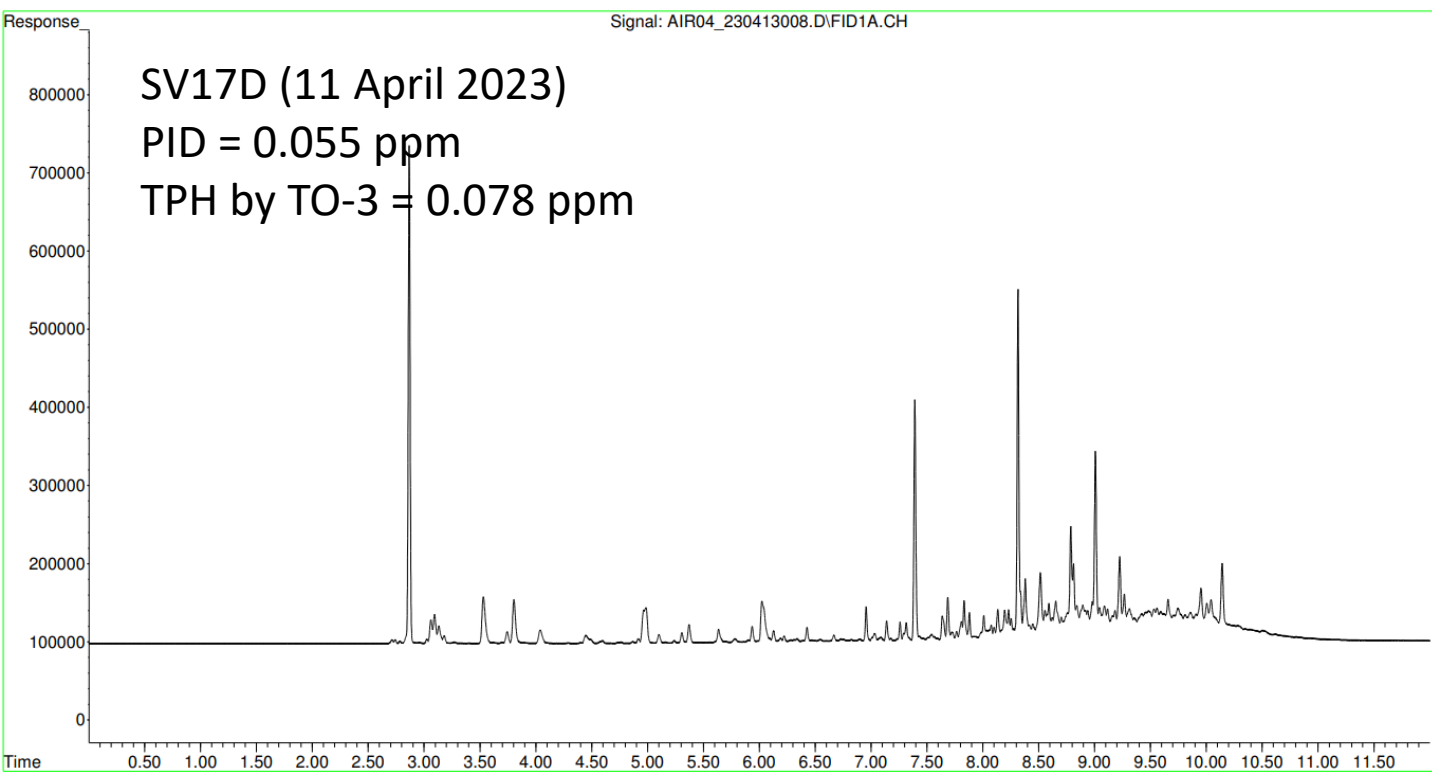
+ TIC Scan Air09_230413028.D (483282-008,311720,1.8x,PDF:1,C10059)

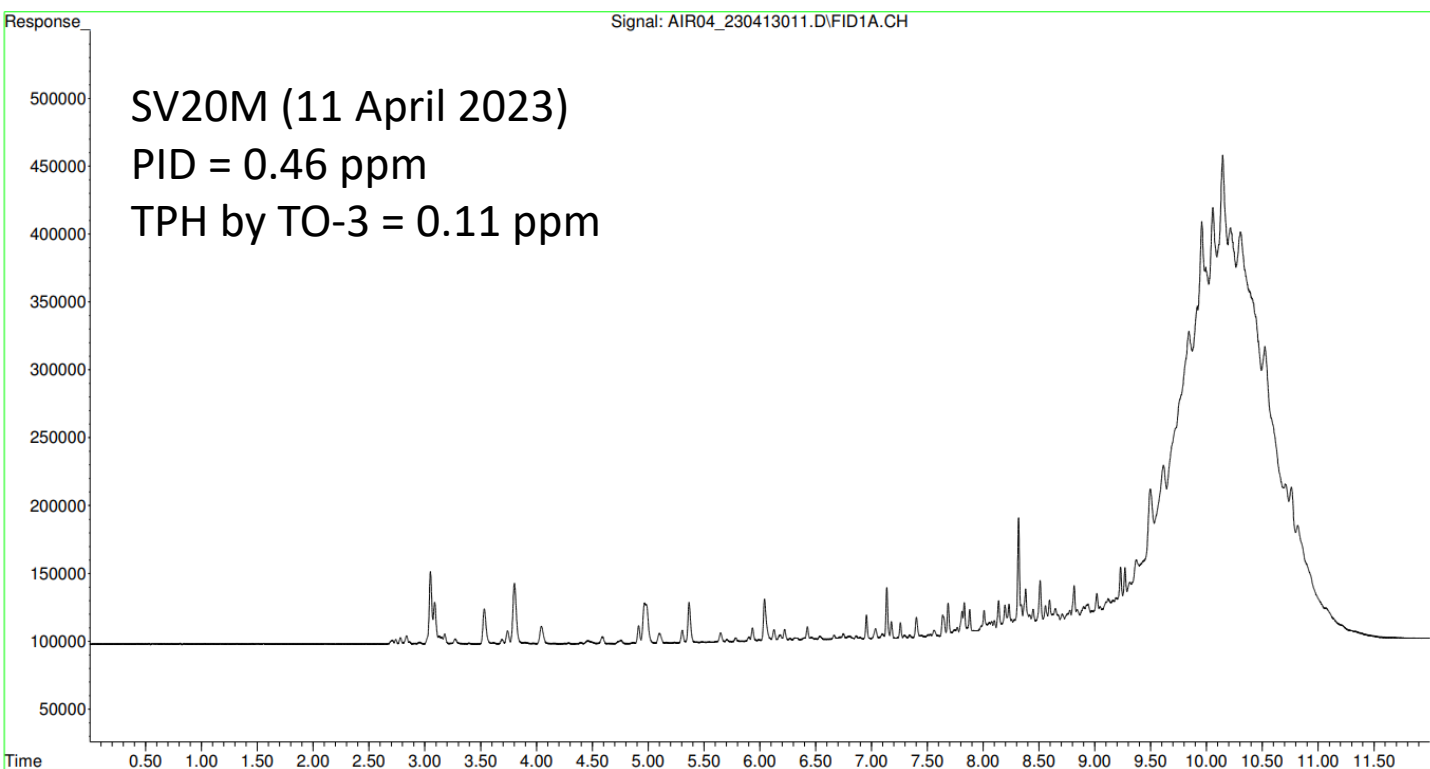
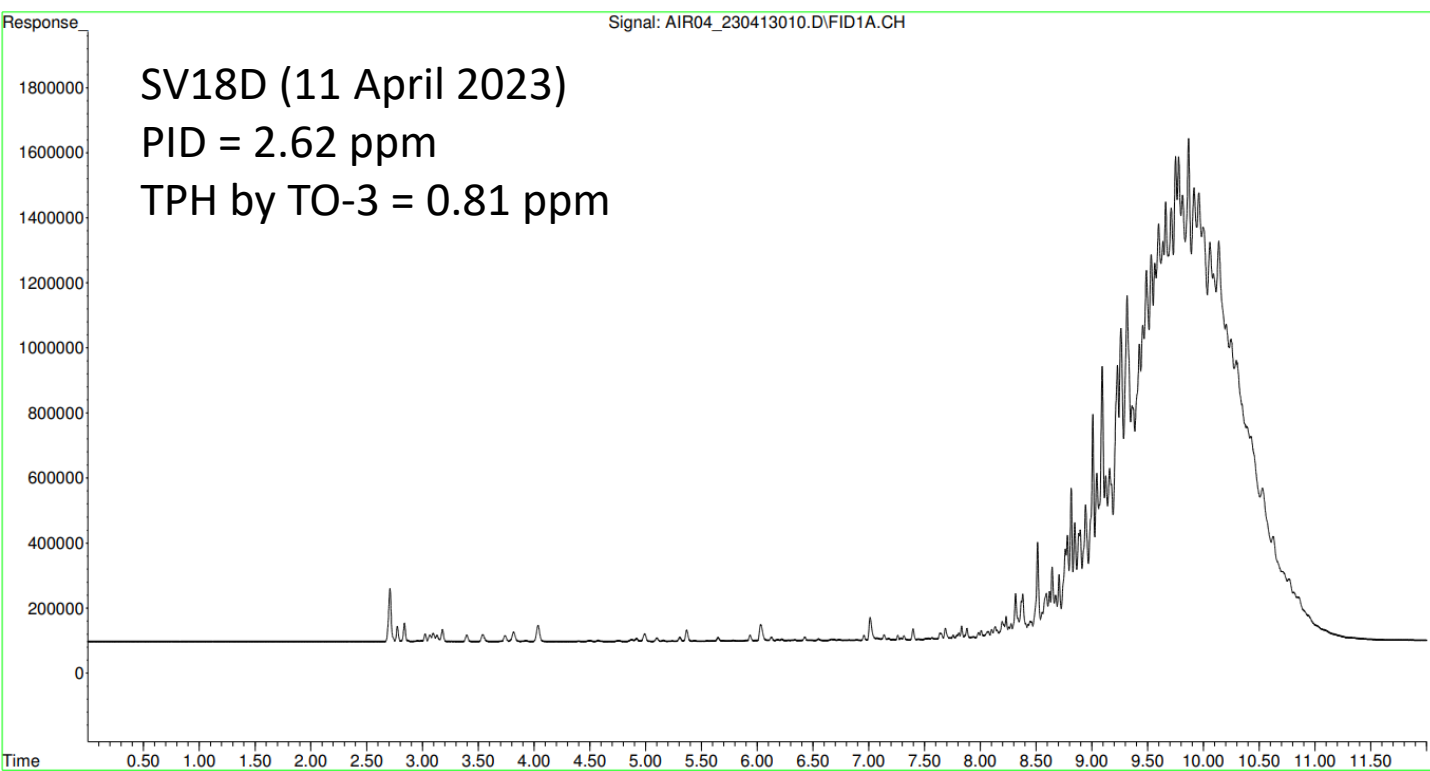


April 2023
Soil Vapor Samples
FID Chromatograms



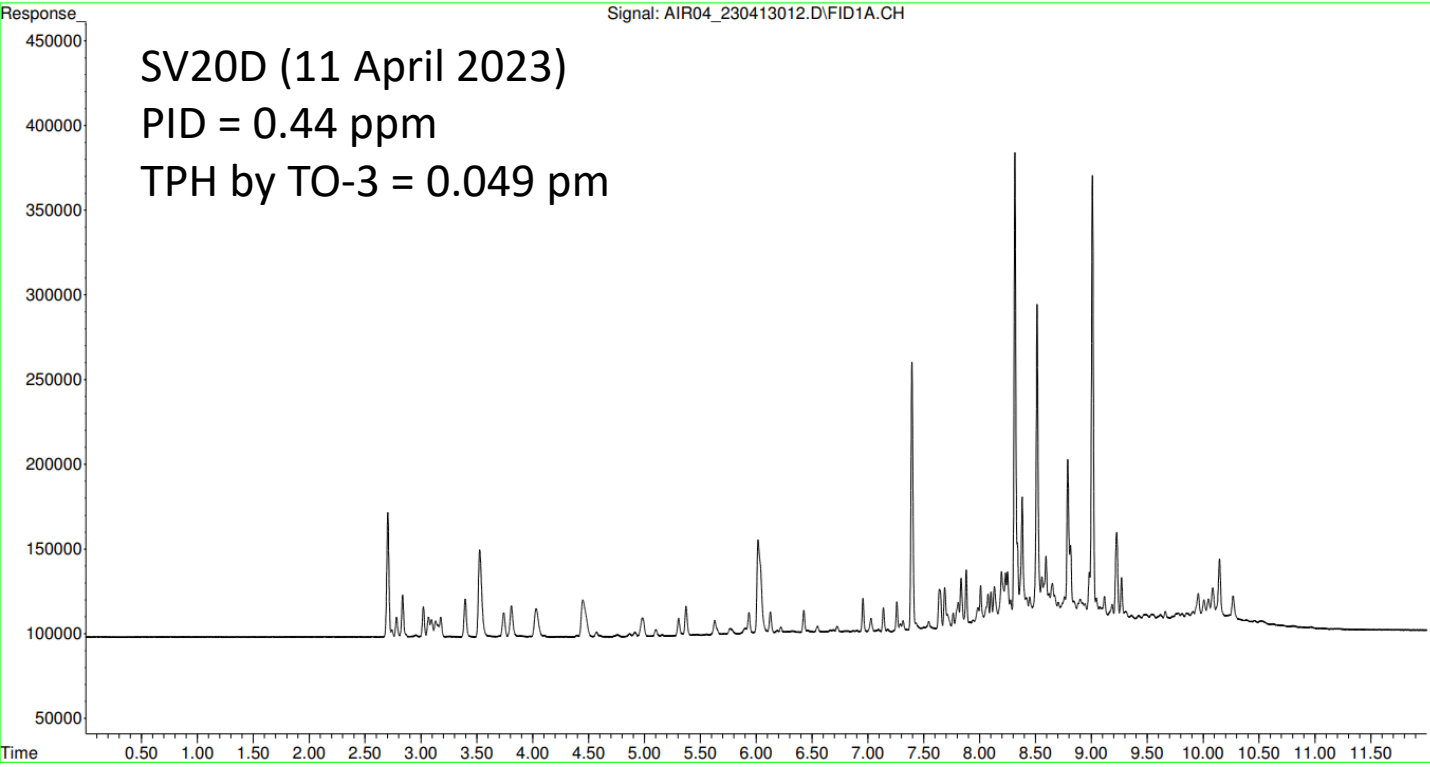






Signal: AIR04_230413012.D\FID1A.CH

SV20D (11 April 2023)
PID = 0.44 ppm
TPH by TO-3 = 0.049 pm



Appendix B – Groundwater Results

Appendix B.1 – Summary of Analytical Program for Groundwater Samples Collected Between November 9, 2022 and March 10, 2023

Appendix B.2 – Summary of Free Product Gauging and Monitoring Well Headspace Measurements

Appendix B.2.1 – AOC Oil/Water Interface Measurements, January 2014 through April 2023

Appendix B.2.2 – Summary of NOI Free Product Gauging and Monitoring Well Headspace Measurements for the May 2021 Release from May 12 through November 24, 2021

Appendix B.2.3 – Summary of NOI and Delineation Well Free Product Gauging and Monitoring Well Headspace Measurements from November 28, 2021 through April 17, 2023

Appendix B.3 – Groundwater Parameters from May 10, 2021 through April 17, 2023

Appendix B.4 – Summary of Groundwater Analytical Results through April 17, 2023

Data Legend for Appendix B.4.1–B.4.4

Appendix B.4.1 – GW Analytical Table_TPH and Fuel-Related Compounds

Appendix B.4.2 – GW Analytical Table_BTEX_VOCS

Appendix B.4.3 – GW Analytical Table_SVOCs

Appendix B.4.4 – GW Analytical Table_PAH_SIMs

Appendix B.4.5 – TPH Charts

Appendix B.4.6 – Delineation Well Analytical Results

Appendix B.4.7 – Sentinel Well Analytical Results

Appendix B.5 – Groundwater Monitoring Chromatograms through April 17, 2023

Appendix B.6 – NOI Groundwater Sampling Plan

***Appendix B.1 – Summary of Analytical Program for Groundwater Samples Collected Between
November 9, 2022 and March 10, 2023***

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI November 2022

Event ID: 40

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
RHMW11-05	RHMW11-05-WGN01G-2211WK1	N	2022-11-09 10:15 AM	EUT2	5801199081	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN01G-2211WK1	N	2022-11-09 10:15 AM	EUTQ	5801199081	Sampled				*						
RHMW11-05	RHMW11-05-WGN01G-2211WK2	N	2022-11-16 09:15 AM	EUT2	5801201401	Sampled	*	*	*		*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN01G-2211WK2	N	2022-11-16 09:15 AM	EUTQ	5801201401	Sampled				*						
RHMW11-05	RHMW11-05-WGN01G-2211WK4	N	2022-11-29 09:10 AM	EUT2	5801205401	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN01G-2211WK4	N	2022-11-29 09:10 AM	EUTQ	5801205401	Sampled				*						
RHMW11-05	RHMW11-05-WGN02G-2211WK3	N	2022-11-23 09:00 AM	EUT2	5801204381	Sampled	*	*	*		*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN02G-2211WK3	N	2022-11-23 09:00 AM	EUTQ	5801204381	Sampled				*						
RHMW12A	RHMW12A-WGN01LF-2211WK2	N	2022-11-15 08:50 AM	EUT2	5801200731	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW12A	RHMW12A-WGN01LF-2211WK2	N	2022-11-15 08:50 AM	EUTQ	5801200731	Sampled				*						
RHMW12A	RHMW12A-WGN01LF-2211WK3	N	2022-11-19 11:20 AM	EUT2	5801203271	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW12A	RHMW12A-WGN01LF-2211WK3	N	2022-11-19 11:20 AM	EUTQ	5801203271	Sampled				*						
RHMW12A	RHMW12A-WGN01LF-2211WK4	N	2022-11-29 09:00 AM	EUT2	5801205401	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW12A	RHMW12A-WGN01LF-2211WK4	N	2022-11-29 09:00 AM	EUTQ	5801205401	Sampled				*						
RHMW12A	RHMW12A-WGN02LF-2211WK1	N	2022-11-10 12:35 PM	EUT2	5801199931	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW12A	RHMW12A-WGN02LF-2211WK1	N	2022-11-10 12:35 PM	EUTQ	5801199931	Sampled				*						
RHMW12A	RHMW12A-WGN02LF-2211WK2	N	2022-11-17 09:32 AM	EUT2	5801201991	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW12A	RHMW12A-WGN02LF-2211WK2	N	2022-11-17 09:32 AM	EUTQ	5801201991	Sampled				*						
RHMW14-03	RHMW14-03-WGN01G-2211WK2	N	2022-11-15 09:00 AM	EUT2	5801200731	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN01G-2211WK2	N	2022-11-15 09:00 AM	EUTQ	5801200731	Sampled				*						
RHMW14-03	RHMW14-03-WGN02G-2211WK1	N	2022-11-09 09:40 AM	EUT2	5801199081	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN02G-2211WK1	N	2022-11-09 09:40 AM	EUTQ	5801199081	Sampled				*						
RHMW14-03	RHMW14-03-WGN02G-2211WK2	N	2022-11-17 09:15 AM	EUT2	5801201991	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN02G-2211WK2	N	2022-11-17 09:15 AM	EUTQ	5801201991	Sampled				*						
RHMW14-03	RHMW14-03-WGN02G-2211WK3	N	2022-11-23 09:00 AM	EUT2	5801204381	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN02G-2211WK3	N	2022-11-23 09:00 AM	EUTQ	5801204381	Sampled				*						
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2211WK1	N	2022-11-08 08:40 AM	EUT2	5801198651	Sampled	*	*	*		*	*	*	*	*	*
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2211WK1	N	2022-11-08 08:40 AM	EUTQ	5801198651	Sampled				*						
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2211WK2	N	2022-11-15 09:40 AM	EUT2	5801200731	Sampled	*	*	*		*	*	*	*	*	*
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2211WK2	N	2022-11-15 09:40 AM	EUTQ	5801200731	Sampled				*						
ADIT3-SUMP	ADIT3-SUMP-WGN02B-2211WK1	N	2022-11-10 10:00 AM	EUT2	5801199671	Sampled	*	*	*		*	*	*	*	*	*
ADIT3-SUMP	ADIT3-SUMP-WGN02B-2211WK1	N	2022-11-10 10:00 AM	EUTQ	5801199671	Sampled				*						
ADIT3-SUMP	ADIT3-SUMP-WGN02B-2211WK2	N	2022-11-17 10:05 AM	EUT2	5801201991	Sampled	*	*	*		*	*	*	*	*	*
ADIT3-SUMP	ADIT3-SUMP-WGN02B-2211WK2	N	2022-11-17 10:05 AM	EUTQ	5801201991	Sampled				*						
OWDFMW01	OWDFMW01-WGN01LF-2211WK1	N	2022-11-09 11:30 AM	EUT2	5801199581	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW01	OWDFMW01-WGN01LF-2211WK1	N	2022-11-09 11:30 AM	EUTQ	5801199581	Sampled				*						
OWDFMW01	OWDFMW01-WGN01LF-2211WK2	N	2022-11-16 11:15 AM	EUT2	5801201401	Sampled	*	*	*		*	*	*	*	*	*
OWDFMW01	OWDFMW01-WGN01LF-2211WK2	N	2022-11-16 11:15 AM	EUTQ	5801201401	Sampled				*						
OWDFMW01	OWDFMW01-WGN01LF-2211WK4	N	2022-11-30 09:10 AM	EUT2	5801205931	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW01	OWDFMW01-WGN01LF-2211WK4	N	2022-11-30 09:10 AM	EUTQ	5801205931	Sampled				*						
OWDFMW01	OWDFMW01-WGN02LF-2211WK3	N	2022-11-23 08:55 AM	EUT2	5801204381	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW01	OWDFMW01-WGN02LF-2211WK3	N	2022-11-23 08:55 AM	EUTQ	5801204381	Sampled				*						
OWDFMW04A	OWDFMW04A-WGFD02LF-2211WK3	FD	2022-11-23 11:15 AM	EUT2	5801204381	Sampled; No SGC	*				*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGN02LF-2211WK3	N	2022-11-23 11:15 AM	EUT2	5801204381	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGN02LF-2211WK3	N	2022-11-23 11:15 AM	EUTQ	5801204381	Sampled				*						
OWDFMW05A	OWDFMW05A-WGN02LF-2211WK3	N	2022-11-23 09:15 AM	EUT2	5801204381	Sampled; No SGC	*	*	*		*	*	*	*	*	*

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI November 2022

Event ID: 40

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
OWDFMW05A	OWDFMW05A-WGN02LF-2211WK3	N	2022-11-23 09:15 AM	EUTQ	5801204381	Sampled				*						
OWDFMW07A	OWDFMW07A-WGN01LF-2211WK1	N	2022-11-08 10:37 AM	EUT2	5801199081	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW07A	OWDFMW07A-WGN01LF-2211WK1	N	2022-11-08 10:37 AM	EUTQ	5801199081	Sampled				*						
OWDFMW07A	OWDFMW07A-WGN02LF-2211WK3	N	2022-11-23 09:00 AM	EUT2	5801204381	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW07A	OWDFMW07A-WGN02LF-2211WK3	N	2022-11-23 09:00 AM	EUTQ	5801204381	Sampled				*						
OWDFMW08A	OWDFMW08A-WGFD01LF-2211WK3	FD	2022-11-20 04:30 PM	EUT2	5801203271	Sampled; No SGC	*				*		*	*	*	*
OWDFMW08A	OWDFMW08A-WGFD02LF-2211WK2	FD	2022-11-18 01:30 PM	EUT2	5801203541	Sampled; No SGC	*				*		*	*	*	*
OWDFMW08A	OWDFMW08A-WGFD02LF-2211WK3	FD	2022-11-23 10:50 AM	EUT2	5801204381	Sampled; No SGC	*				*		*	*	*	*
OWDFMW08A	OWDFMW08A-WGN01LF-2211WK3	N	2022-11-20 04:25 PM	EUT2	5801203271	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW08A	OWDFMW08A-WGN01LF-2211WK3	N	2022-11-20 04:25 PM	EUTQ	5801203271	Sampled				*						
OWDFMW08A	OWDFMW08A-WGN02LF-2211WK2	N	2022-11-18 01:30 PM	EUT2	5801203541	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW08A	OWDFMW08A-WGN02LF-2211WK2	N	2022-11-18 01:30 PM	EUTQ	5801203541	Sampled				*						
OWDFMW08A	OWDFMW08A-WGN02LF-2211WK3	N	2022-11-23 10:50 AM	EUT2	5801204381	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW08A	OWDFMW08A-WGN02LF-2211WK3	N	2022-11-23 10:50 AM	EUTQ	5801204381	Sampled				*						
RHMW01R	RHMW01R-WGN01B-2211WK1	N	2022-11-08 10:25 AM	EUT2	5801198651	Sampled	*	*	*		*	*	*	*	*	*
RHMW01R	RHMW01R-WGN01B-2211WK1	N	2022-11-08 10:25 AM	EUTQ	5801198651	Sampled				*						
RHMW01R	RHMW01R-WGN01B-2211WK2	N	2022-11-15 10:25 AM	EUT2	5801201531	Sampled	*	*	*		*	*	*	*	*	*
RHMW01R	RHMW01R-WGN01B-2211WK2	N	2022-11-15 10:25 AM	EUTQ	5801201531	Sampled				*						
RHMW01R	RHMW01R-WGN01B-2211WK3	N	2022-11-20 10:10 AM	EUT2	5801203041	Sampled	*	*	*		*	*	*	*	*	*
RHMW01R	RHMW01R-WGN01B-2211WK3	N	2022-11-20 10:10 AM	EUTQ	5801203041	Sampled				*						
RHMW01R	RHMW01R-WGN01B-2211WK4	N	2022-11-29 10:15 AM	EUT2	5801205401	Sampled	*	*	*		*	*	*	*	*	*
RHMW01R	RHMW01R-WGN01B-2211WK4	N	2022-11-29 10:15 AM	EUTQ	5801205401	Sampled				*						
RHMW01R	RHMW01R-WGN02B-2211WK1	N	2022-11-10 10:20 AM	EUT2	5801199931	Sampled	*	*	*		*	*	*	*	*	*
RHMW01R	RHMW01R-WGN02B-2211WK1	N	2022-11-10 10:20 AM	EUTQ	5801199931	Sampled				*						
RHMW01R	RHMW01R-WGN02B-2211WK2	N	2022-11-17 09:25 AM	EUT2	5801201991	Sampled	*	*	*		*	*	*	*	*	*
RHMW01R	RHMW01R-WGN02B-2211WK2	N	2022-11-17 09:25 AM	EUTQ	5801201991	Sampled				*						
RHMW02	RHMW02-WGN01B-2211WK1	N	2022-11-08 11:15 AM	EUT2	5801198651	Sampled	*	*	*		*	*	*	*	*	*
RHMW02	RHMW02-WGN01B-2211WK1	N	2022-11-08 11:15 AM	EUTQ	5801198651	Sampled				*						
RHMW02	RHMW02-WGN01B-2211WK2	N	2022-11-15 11:40 AM	EUT2	5801201531	Sampled	*	*	*		*	*	*	*	*	*
RHMW02	RHMW02-WGN01B-2211WK2	N	2022-11-15 11:40 AM	EUTQ	5801201531	Sampled				*						
RHMW02	RHMW02-WGN01B-2211WK3	N	2022-11-20 11:05 AM	EUT2	5801203041	Sampled	*	*	*		*	*	*	*	*	*
RHMW02	RHMW02-WGN01B-2211WK3	N	2022-11-20 11:05 AM	EUTQ	5801203041	Sampled				*						
RHMW02	RHMW02-WGN01B-2211WK4	N	2022-11-29 10:55 AM	EUT2	5801205401	Sampled	*	*	*		*	*	*	*	*	*
RHMW02	RHMW02-WGN01B-2211WK4	N	2022-11-29 10:55 AM	EUTQ	5801205401	Sampled				*						
RHMW02	RHMW02-WGN02B-2211WK1	N	2022-11-10 11:30 AM	EUT2	5801199931	Sampled	*	*	*		*	*	*	*	*	*
RHMW02	RHMW02-WGN02B-2211WK1	N	2022-11-10 11:30 AM	EUTQ	5801199931	Sampled				*						
RHMW02	RHMW02-WGN02B-2211WK2	N	2022-11-17 10:15 AM	EUT2	5801201991	Sampled	*	*	*		*	*	*	*	*	*
RHMW02	RHMW02-WGN02B-2211WK2	N	2022-11-17 10:15 AM	EUTQ	5801201991	Sampled				*						
RHMW03	RHMW03-WGN01B-2211WK1	N	2022-11-08 12:25 PM	EUT2	5801198651	Sampled	*	*	*		*	*	*	*	*	*
RHMW03	RHMW03-WGN01B-2211WK1	N	2022-11-08 12:25 PM	EUTQ	5801198651	Sampled				*						
RHMW03	RHMW03-WGN01B-2211WK2	N	2022-11-15 12:50 PM	EUT2	5801201531	Sampled	*	*	*		*	*	*	*	*	*
RHMW03	RHMW03-WGN01B-2211WK2	N	2022-11-15 12:50 PM	EUTQ	5801201531	Sampled				*						
RHMW03	RHMW03-WGN01B-2211WK3	N	2022-11-20 12:10 PM	EUT2	5801203041	Sampled	*	*	*		*	*	*	*	*	*
RHMW03	RHMW03-WGN01B-2211WK3	N	2022-11-20 12:10 PM	EUTQ	5801203041	Sampled				*						
RHMW03	RHMW03-WGN01B-2211WK4	N	2022-11-29 11:50 AM	EUT2	5801205401	Sampled	*	*	*		*	*	*	*	*	*
RHMW03	RHMW03-WGN01B-2211WK4	N	2022-11-29 11:50 AM	EUTQ	5801205401	Sampled				*						
RHMW03	RHMW03-WGN02B-2211WK1	N	2022-11-10 12:40 PM	EUT2	5801199931	Sampled	*	*	*		*	*	*	*	*	*
RHMW03	RHMW03-WGN02B-2211WK1	N	2022-11-10 12:40 PM	EUTQ	5801199931	Sampled				*						
RHMW03	RHMW03-WGN02B-2211WK2	N	2022-11-17 11:10 AM	EUT2	5801201991	Sampled	*	*	*		*	*	*	*	*	*
RHMW03	RHMW03-WGN02B-2211WK2	N	2022-11-17 11:10 AM	EUTQ	5801201991	Sampled				*						
RHMW04	RHMW04-WGFD01B-2211WK1	FD	2022-11-07 01:45 PM	EUT2	5801198621	Sampled	*				*		*	*	*	*
RHMW04	RHMW04-WGFD02B-2211WK1	FD	2022-11-09 12:40 PM	EUT2	5801199581	Sampled; No SGC	*				*		*	*	*	*

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI November 2022

Event ID: 40

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
RHMW04	RHMW04-WGFD02B-2211WK2	FD	2022-11-16 08:40 AM	EUT2	5801201531	Sampled; No SGC	*				*		*		*	*
RHMW04	RHMW04-WGFD02B-2211WK2	FD	2022-11-16 08:40 AM	EUT2	5801201531	Sampled; No SGC								*		
RHMW04	RHMW04-WGN01B-2211WK1	N	2022-11-07 01:45 PM	EUT2	5801198621	Sampled	*	*	*		*	*	*	*	*	*
RHMW04	RHMW04-WGN01B-2211WK1	N	2022-11-07 01:45 PM	EUTQ	5801198621	Sampled				*						
RHMW04	RHMW04-WGN02B-2211WK1	N	2022-11-09 12:40 PM	EUT2	5801199581	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW04	RHMW04-WGN02B-2211WK1	N	2022-11-09 12:40 PM	EUTQ	5801199581	Sampled				*						
RHMW04	RHMW04-WGN02B-2211WK2	N	2022-11-16 08:40 AM	EUT2	5801201531	Sampled; No SGC	*	*	*		*	*	*		*	*
RHMW04	RHMW04-WGN02B-2211WK2	N	2022-11-16 08:40 AM	EUT2	5801201531	Sampled; No SGC								*		
RHMW04	RHMW04-WGN02B-2211WK2	N	2022-11-16 08:40 AM	EUTQ	5801201531	Sampled				*						
RHMW05	RHMW05-WGN01B-2211WK1	N	2022-11-08 09:15 AM	EUT2	5801198651	Sampled	*	*	*		*	*	*	*	*	*
RHMW05	RHMW05-WGN01B-2211WK1	N	2022-11-08 09:15 AM	EUTQ	5801198651	Sampled				*						
RHMW05	RHMW05-WGN01B-2211WK2	N	2022-11-15 09:10 AM	EUT2	5801201531	Sampled	*	*	*		*	*	*	*	*	*
RHMW05	RHMW05-WGN01B-2211WK2	N	2022-11-15 09:10 AM	EUTQ	5801201531	Sampled				*						
RHMW05	RHMW05-WGN01B-2211WK3	N	2022-11-20 09:15 AM	EUT2	5801203271	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW05	RHMW05-WGN01B-2211WK3	N	2022-11-20 09:15 AM	EUTQ	5801203271	Sampled				*						
RHMW05	RHMW05-WGN01B-2211WK4	N	2022-11-29 09:10 AM	EUT2	5801205401	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW05	RHMW05-WGN01B-2211WK4	N	2022-11-29 09:10 AM	EUTQ	5801205401	Sampled				*						
RHMW05	RHMW05-WGN02B-2211WK1	N	2022-11-10 08:50 AM	EUT2	5801199931	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW05	RHMW05-WGN02B-2211WK1	N	2022-11-10 08:50 AM	EUTQ	5801199931	Sampled				*						
RHMW05	RHMW05-WGN02B-2211WK2	N	2022-11-17 08:35 AM	EUT2	5801201991	Sampled	*	*	*		*	*	*	*	*	*
RHMW05	RHMW05-WGN02B-2211WK2	N	2022-11-17 08:35 AM	EUTQ	5801201991	Sampled				*						
RHMW06	RHMW06-WGN01B-2211WK1	N	2022-11-07 11:45 AM	EUT2	5801198621	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW06	RHMW06-WGN01B-2211WK1	N	2022-11-07 11:45 AM	EUTQ	5801198621	Sampled				*						
RHMW06	RHMW06-WGN02B-2211WK1	N	2022-11-09 10:44 AM	EUT2	5801199081	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW06	RHMW06-WGN02B-2211WK1	N	2022-11-09 10:44 AM	EUTQ	5801199081	Sampled				*						
RHMW06	RHMW06-WGN02B-2211WK2	N	2022-11-16 11:55 AM	EUT2	5801201401	Sampled	*	*	*		*	*	*	*	*	*
RHMW06	RHMW06-WGN02B-2211WK2	N	2022-11-16 11:55 AM	EUTQ	5801201401	Sampled				*						
RHMW08	RHMW08-WGN01B-2211WK1	N	2022-11-07 08:55 AM	EUT2	5801198621	Sampled	*	*	*		*	*	*	*	*	*
RHMW08	RHMW08-WGN01B-2211WK1	N	2022-11-07 08:55 AM	EUTQ	5801198621	Sampled				*						
RHMW08	RHMW08-WGN02B-2211WK1	N	2022-11-09 09:00 AM	EUT2	5801199081	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW08	RHMW08-WGN02B-2211WK1	N	2022-11-09 09:00 AM	EUTQ	5801199081	Sampled				*						
RHMW08	RHMW08-WGN02B-2211WK2	N	2022-11-16 10:30 AM	EUT2	5801201531	Sampled; No SGC	*	*	*		*	*	*		*	*
RHMW08	RHMW08-WGN02B-2211WK2	N	2022-11-16 10:30 AM	EUT2	5801201531	Sampled; No SGC								*		
RHMW08	RHMW08-WGN02B-2211WK2	N	2022-11-16 10:30 AM	EUTQ	5801201531	Sampled				*						
RHMW09	RHMW09-WGN01B-2211WK3	N	2022-11-19 08:55 AM	EUT2	5801203041	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW09	RHMW09-WGN01B-2211WK3	N	2022-11-19 08:55 AM	EUTQ	5801203041	Sampled				*						
RHMW09	RHMW09-WGN01B-2211WK4	N	2022-11-28 08:50 AM	EUT2	5801205401	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW09	RHMW09-WGN01B-2211WK4	N	2022-11-28 08:50 AM	EUTQ	5801205401	Sampled				*						
RHMW09	RHMW09-WGN02B-2211WK1	N	2022-11-09 10:35 AM	EUT2	5801199581	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW09	RHMW09-WGN02B-2211WK1	N	2022-11-09 10:35 AM	EUTQ	5801199581	Sampled				*						
RHMW09	RHMW09-WGN02B-2211WK2	N	2022-11-16 09:00 AM	EUT2	5801201401	Sampled	*	*	*		*	*	*	*	*	*
RHMW09	RHMW09-WGN02B-2211WK2	N	2022-11-16 09:00 AM	EUTQ	5801201401	Sampled				*						
RHMW13-05	RHMW13-05-WGN01G-2211WK3	N	2022-11-19 08:45 AM	EUT2	5801203041	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW13-05	RHMW13-05-WGN01G-2211WK3	N	2022-11-19 08:45 AM	EUTQ	5801203041	Sampled				*						
RHMW13-05	RHMW13-05-WGN02G-2211WK2	N	2022-11-16 09:45 AM	EUT2	5801201401	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW13-05	RHMW13-05-WGN02G-2211WK2	N	2022-11-16 09:45 AM	EUTQ	5801201401	Sampled				*						
RHMW15-05	RHMW15-05-WGN01G-2211WK2	N	2022-11-15 09:30 AM	EUT2	5801200731	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW15-05	RHMW15-05-WGN01G-2211WK2	N	2022-11-15 09:30 AM	EUTQ	5801200731	Sampled				*						
RHMW15-05	RHMW15-05-WGN01G-2211WK3	N	2022-11-20 10:20 AM	EUT2	5801203041	Sampled	*	*	*		*	*	*	*	*	*
RHMW15-05	RHMW15-05-WGN01G-2211WK3	N	2022-11-20 10:20 AM	EUTQ	5801203041	Sampled				*						
RHMW15-05	RHMW15-05-WGN02G-2211WK1	N	2022-11-10 09:45 AM	EUT2	5801199931	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW15-05	RHMW15-05-WGN02G-2211WK1	N	2022-11-10 09:45 AM	EUTQ	5801199931	Sampled				*						
RHMW16	RHMW16-WGN01LF-2211WK2	N	2022-11-15 10:30 AM	EUT2	5801200731	Sampled; No SGC	*	*	*		*	*	*	*	*	*

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI November 2022

Event ID: 40

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
RHMW16	RHMW16-WGN01LF-2211WK2	N	2022-11-15 10:30 AM	EUTQ	5801200731	Sampled				*						
RHMW16	RHMW16-WGN01LF-2211WK4	N	2022-11-29 10:40 AM	EUT2	5801205401	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW16	RHMW16-WGN01LF-2211WK4	N	2022-11-29 10:40 AM	EUTQ	5801205401	Sampled				*						
RHMW16	RHMW16-WGN02LF-2211WK1	N	2022-11-10 10:00 AM	EUT2	5801199671	Sampled	*	*	*		*	*	*	*	*	*
RHMW16	RHMW16-WGN02LF-2211WK1	N	2022-11-10 10:00 AM	EUTQ	5801199671	Sampled				*						
RHMW16	RHMW16-WGN02LF-2211WK2	N	2022-11-17 11:25 AM	EUT2	5801201991	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW16	RHMW16-WGN02LF-2211WK2	N	2022-11-17 11:25 AM	EUTQ	5801201991	Sampled				*						
RHMW17	RHMW17-WGN01B-2211WK1	N	2022-11-08 12:05 PM	EUT2	5801198651	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW17	RHMW17-WGN01B-2211WK1	N	2022-11-08 12:05 PM	EUTQ	5801198651	Sampled				*						
RHMW17	RHMW17-WGN01B-2211WK2	N	2022-11-15 11:55 AM	EUT2	5801200731	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW17	RHMW17-WGN01B-2211WK2	N	2022-11-15 11:55 AM	EUTQ	5801200731	Sampled				*						
RHMW17	RHMW17-WGN01B-2211WK3	N	2022-11-20 12:05 PM	EUT2	5801203271	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW17	RHMW17-WGN01B-2211WK3	N	2022-11-20 12:05 PM	EUTQ	5801203271	Sampled				*						
RHMW17	RHMW17-WGN01B-2211WK4	N	2022-11-30 11:00 AM	EUT2	5801205931	Sampled	*	*	*		*	*	*	*	*	*
RHMW17	RHMW17-WGN01B-2211WK4	N	2022-11-30 11:00 AM	EUTQ	5801205931	Sampled				*						
RHMW17	RHMW17-WGN02B-2211WK1	N	2022-11-10 11:35 AM	EUT2	5801199671	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW17	RHMW17-WGN02B-2211WK1	N	2022-11-10 11:35 AM	EUTQ	5801199671	Sampled				*						
RHMW19	RHMW19-WGN01B-2211WK4	N	2022-11-28 10:45 AM	EUT2	5801205401	Sampled	*	*	*		*	*	*	*	*	*
RHMW19	RHMW19-WGN01B-2211WK4	N	2022-11-28 10:45 AM	EUTQ	5801205401	Sampled				*						
RHMW19	RHMW19-WGN02B-2211WK1	N	2022-11-09 12:20 PM	EUT2	5801199581	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW19	RHMW19-WGN02B-2211WK1	N	2022-11-09 12:20 PM	EUTQ	5801199581	Sampled				*						
RHMW19	RHMW19-WGN02B-2211WK2	N	2022-11-16 11:15 AM	EUT2	5801201401	Sampled	*	*	*		*	*	*	*	*	*
RHMW19	RHMW19-WGN02B-2211WK2	N	2022-11-16 11:15 AM	EUTQ	5801201401	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01B-2211WK1	N	2022-11-08 09:55 AM	EUT2	5801198651	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01B-2211WK1	N	2022-11-08 09:55 AM	EUTQ	5801198651	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01B-2211WK2	N	2022-11-15 08:10 AM	EUT2	5801200731	Sampled	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01B-2211WK2	N	2022-11-15 08:10 AM	EUTQ	5801200731	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01B-2211WK3	N	2022-11-20 08:55 AM	EUT2	5801203271	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01B-2211WK3	N	2022-11-20 08:55 AM	EUTQ	5801203271	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01LF-2211WK1	N	2022-11-08 10:35 AM	EUT2	5801198651	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01LF-2211WK1	N	2022-11-08 10:35 AM	EUTQ	5801198651	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01LF-2211WK2	N	2022-11-15 08:50 AM	EUT2	5801200731	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01LF-2211WK2	N	2022-11-15 08:50 AM	EUTQ	5801200731	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01LF-2211WK3	N	2022-11-20 09:40 AM	EUT2	5801203041	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01LF-2211WK3	N	2022-11-20 09:40 AM	EUTQ	5801203041	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN02B-2211WK1	N	2022-11-10 08:45 AM	EUT2	5801199671	Sampled	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN02B-2211WK1	N	2022-11-10 08:45 AM	EUTQ	5801199671	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN02B-2211WK2	N	2022-11-17 11:00 AM	EUT2	5801201991	Sampled	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN02B-2211WK2	N	2022-11-17 11:00 AM	EUTQ	5801201991	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN02LF-2211WK1	N	2022-11-10 09:25 AM	EUT2	5801199931	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN02LF-2211WK1	N	2022-11-10 09:25 AM	EUTQ	5801199931	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN02LF-2211WK2	N	2022-11-17 11:55 AM	EUT2	5801201991	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN02LF-2211WK2	N	2022-11-17 11:55 AM	EUTQ	5801201991	Sampled				*						
HDMW2253-03	HDMW2253-03-WGN01LF-2211WK4	N	2022-12-02 10:55 AM	EUT2	5801207571	Sampled; No SGC	*	*	*		*	*	*	*	*	*
HDMW2253-03	HDMW2253-03-WGN01LF-2211WK4	N	2022-12-02 10:55 AM	EUTQ	5801207571	Sampled				*						
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2211WK4	N	2022-12-01 02:05 PM	EUT2	5801207571	Sampled; No SGC	*	*	*		*	*	*	*	*	*
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2211WK4	N	2022-12-01 02:05 PM	EUTQ	5801207571	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01B-2211WK4	N	2022-12-01 11:40 AM	EUT2	5801207571	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01B-2211WK4	N	2022-12-01 11:40 AM	EUTQ	5801207571	Sampled				*						

Event Status Report

RHS Recovery and Monitoring
 RHS RM UFP-QAPP
 Event Name: RH NOI November 2022
 Event ID: 40

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
RHMW2254-01	RHMW2254-01-WGN01LF-2211WK4	N	2022-12-01 12:30 PM	EUT2	5801207571	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01LF-2211WK4	N	2022-12-01 12:30 PM	EUTQ	5801207571	Sampled				•						

Status	Color
Status Not Determined	
Scheduled for Analysis; Awaiting Field Data	
Chain of Custody Data Loaded and Certified; Awaiting Lab Data	
Laboratory Data Loaded and Certified; Awaiting Validation	
Validation Qualifiers Finalized; Awaiting Approval	
Approval Complete; Data In Production	

Matrix Name	Matrix
Drinking Water	WP
Ground Water	WG

Sampling Method	Code
Bailer	B
Grab	G
Low-Flow (Slow Purge) Groundwater Pumping	LF

Laboratory Name	Laboratory Code
Eurofins Environment Testing TestAmerica,	EUTQ
Eurofins Environment Testing TestAmerica,	EUT2

Location Type	Code
Faucet/Tap	FW
Holding Pond/Lagoon	HP
Well	WL

Note: This event has missing samples in Event Management that are Field QC ONLY. Please refer to the Unplanned Field Samples report to view these samples.

Event Status Report

RHS Recovery and Monitoring
 RHS RM UFP-QAPP
 Event Name: RH NOI December 2022
 Event ID: 47

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SYOCs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
HDMW2253-03	HDMW2253-03-WGN01LF-2212WK1	N	2022-12-09 10:15 AM	EUT2	5801211101	Sampled; No SGC	*	*	*		*	*	*	*	*	*
HDMW2253-03	HDMW2253-03-WGN01LF-2212WK1	N	2022-12-09 10:15 AM	EUTQ	5801211101	Sampled				*						
RHMW11-05	RHMW11-05-WGN01G-2212WK3	N	2022-12-20 09:20 AM	EUT2	5801214711	Sampled	*	*	*		*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN01G-2212WK3	N	2022-12-20 09:20 AM	EUTQ	5801214711	Sampled				*						
RHMW11-05	RHMW11-05-WGN01G-2212WK4	N	2022-12-28 09:05 AM	EUT2	5801216661	Sampled	*	*	*		*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN01G-2212WK4	N	2022-12-28 09:05 AM	EUTQ	5801216661	Sampled				*						
RHMW12A	RHMW12A-WGN01LF- N 2212WK2	N	2022-12-16 02:00 PM	EUT2	5801214201	Sampled	*	*	*		*	*	*	*	*	*
RHMW12A	RHMW12A-WGN01LF- N 2212WK2	N	2022-12-16 02:00 PM	EUTQ	5801214201	Sampled				*						
RHMW12A	RHMW12A-WGN01LF- N 2212WK3	N	2022-12-20 09:40 AM	EUT2	5801214711	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW12A	RHMW12A-WGN01LF- N 2212WK3	N	2022-12-20 09:40 AM	EUTQ	5801214711	Sampled				*						
RHMW12A	RHMW12A-WGN01LF- N 2212WK4	N	2022-12-28 10:35 AM	EUT2	5801217031	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW12A	RHMW12A-WGN01LF- N 2212WK4	N	2022-12-28 10:35 AM	EUTQ	5801217031	Sampled				*						
RHMW14-03	RHMW14-03-WGN01G-2212WK3	N	2022-12-20 01:00 PM	EUT2	5801214971	Sampled	*	*	*		*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN01G-2212WK3	N	2022-12-20 01:00 PM	EUTQ	5801214971	Sampled				*						
RHMW14-03	RHMW14-03-WGN01G-2212WK4	N	2022-12-30 09:05 AM	EUT2	5801217471	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN01G-2212WK4	N	2022-12-30 09:05 AM	EUTQ	5801217471	Sampled				*						
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2212WK3	N	2022-12-21 11:45 AM	EUT2	5801215701	Sampled; No SGC	*	*	*		*	*	*	*	*	*
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2212WK3	N	2022-12-21 11:45 AM	EUTQ	5801215701	Sampled				*						
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2212WK4	N	2022-12-29 10:25 AM	EUT2	5801216971	Sampled; No SGC	*	*	*		*	*	*	*	*	*
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2212WK4	N	2022-12-29 10:25 AM	EUTQ	5801216971	Sampled				*						
OWDFMW01	OWDFMW01-WGN01LF-2212WK3	N	2022-12-21 10:10 AM	EUT2	5801214971	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW01	OWDFMW01-WGN01LF-2212WK3	N	2022-12-21 10:10 AM	EUTQ	5801214971	Sampled				*						
OWDFMW01	OWDFMW01-WGN01LF-2212WK4	N	2022-12-30 09:10 AM	EUT2	5801217471	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW01	OWDFMW01-WGN01LF-2212WK4	N	2022-12-30 09:10 AM	EUTQ	5801217471	Sampled				*						
OWDFMW04A	OWDFMW04A-WGFD01LF-2212WK3	FD	2022-12-19 11:50 AM	EUT2	5801214151	Sampled	*	*	*		*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGFD01LF-2212WK4	FD	2022-12-29 10:40 AM	EUT2	5801216971	Sampled	*	*	*		*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGN01LF-2212WK3	N	2022-12-19 11:50 AM	EUT2	5801214151	Sampled	*	*	*		*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGN01LF-2212WK3	N	2022-12-19 11:50 AM	EUTQ	5801214151	Sampled				*						
OWDFMW04A	OWDFMW04A-WGN01LF-2212WK4	N	2022-12-29 10:40 AM	EUT2	5801216971	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGN01LF-2212WK4	N	2022-12-29 10:40 AM	EUTQ	5801216971	Sampled				*						
OWDFMW05A	OWDFMW05A-WGN01LF-2212WK3	N	2022-12-19 09:50 AM	EUT2	5801214151	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW05A	OWDFMW05A-WGN01LF-2212WK3	N	2022-12-19 09:50 AM	EUTQ	5801214151	Sampled				*						
OWDFMW05A	OWDFMW05A-WGN01LF-2212WK4	N	2022-12-29 09:00 AM	EUT2	5801216971	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW05A	OWDFMW05A-WGN01LF-2212WK4	N	2022-12-29 09:00 AM	EUTQ	5801216971	Sampled				*						
OWDFMW07A	OWDFMW07A-WGN01LF-2212WK3	N	2022-12-22 09:20 AM	EUT2	5801215701	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW07A	OWDFMW07A-WGN01LF-2212WK3	N	2022-12-22 09:20 AM	EUTQ	5801215701	Sampled				*						
OWDFMW07A	OWDFMW07A-WGN01LF-2212WK4	N	2022-12-27 09:05 AM	EUT2	5801215971	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW07A	OWDFMW07A-WGN01LF-2212WK4	N	2022-12-27 09:05 AM	EUTQ	5801215971	Sampled				*						
OWDFMW08A	OWDFMW08A-WGFD01LF-2212WK3	FD	2022-12-22 11:40 AM	EUT2	5801215701	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW08A	OWDFMW08A-WGFD01LF-2212WK4	FD	2022-12-27 11:10 AM	EUT2	5801215971	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW08A	OWDFMW08A-WGN01LF-2212WK3	N	2022-12-22 11:40 AM	EUT2	5801215701	Sampled	*	*	*		*	*	*	*	*	*
OWDFMW08A	OWDFMW08A-WGN01LF-2212WK3	N	2022-12-22 11:40 AM	EUTQ	5801215701	Sampled				*						
OWDFMW08A	OWDFMW08A-WGN01LF-2212WK4	N	2022-12-27 11:10 AM	EUT2	5801215971	Sampled; No SGC	*	*	*		*	*	*	*	*	*
OWDFMW08A	OWDFMW08A-WGN01LF-2212WK4	N	2022-12-27 11:10 AM	EUTQ	5801215971	Sampled				*						

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI December 2022

Event ID: 47

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
RHMW01R	RHMW01R-WGN01B-2212WK3	N	2022-12-20 11:10 AM	EUT2	5801214971	Sampled	*	*	*		*	*	*	*	*	*
RHMW01R	RHMW01R-WGN01B-2212WK3	N	2022-12-20 11:10 AM	EUTQ	5801214971	Sampled				*						
RHMW01R	RHMW01R-WGN01B-2212WK4	N	2022-12-28 10:20 AM	EUT2	5801217031	Sampled	*	*	*		*	*	*	*	*	*
RHMW01R	RHMW01R-WGN01B-2212WK4	N	2022-12-28 10:20 AM	EUTQ	5801217031	Sampled				*						
RHMW02	RHMW02-WGN01B-2212WK2	N	2022-12-14 09:30 AM	EUT2	5801213101	Sampled	*	*	*		*	*	*	*	*	*
RHMW02	RHMW02-WGN01B-2212WK2	N	2022-12-14 09:30 AM	EUTQ	5801213101	Sampled				*						
RHMW02	RHMW02-WGN01B-2212WK3	N	2022-12-20 12:05 PM	EUT2	5801214971	Sampled	*	*	*		*	*	*	*	*	*
RHMW02	RHMW02-WGN01B-2212WK3	N	2022-12-20 12:05 PM	EUTQ	5801214971	Sampled				*						
RHMW02	RHMW02-WGN01B-2212WK4	N	2022-12-28 11:20 AM	EUT2	5801217031	Sampled	*	*	*		*	*	*	*	*	*
RHMW02	RHMW02-WGN01B-2212WK4	N	2022-12-28 11:20 AM	EUTQ	5801217031	Sampled				*						
RHMW03	RHMW03-WGN01B-2212WK1	N	2022-12-09 11:10 AM	EUT2	5801211101	Sampled	*	*	*		*	*	*	*	*	*
RHMW03	RHMW03-WGN01B-2212WK1	N	2022-12-09 11:10 AM	EUTQ	5801211101	Sampled				*						
RHMW03	RHMW03-WGN01B-2212WK3	N	2022-12-20 01:10 PM	EUT2	5801214971	Sampled	*	*	*		*	*	*	*	*	*
RHMW03	RHMW03-WGN01B-2212WK3	N	2022-12-20 01:10 PM	EUTQ	5801214971	Sampled				*						
RHMW03	RHMW03-WGN01B-2212WK4	N	2022-12-28 12:20 PM	EUT2	5801217031	Sampled	*	*	*		*	*	*	*	*	*
RHMW03	RHMW03-WGN01B-2212WK4	N	2022-12-28 12:20 PM	EUTQ	5801217031	Sampled				*						
RHMW04	RHMW04-WGFD01B-2212WK1	FD	2022-12-07 11:45 AM	EUT2	5801210441	Sampled	*	*	*		*	*	*	*	*	*
RHMW04	RHMW04-WGFD01B-2212WK3	FD	2022-12-23 12:20 PM	EUT2	5801215701	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW04	RHMW04-WGFD01B-2212WK4	FD	2022-12-30 12:10 PM	EUT2	5801217471	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW04	RHMW04-WGN01B-2212WK1	N	2022-12-07 11:45 AM	EUT2	5801210441	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW04	RHMW04-WGN01B-2212WK1	N	2022-12-07 11:45 AM	EUTQ	5801210441	Sampled				*						
RHMW04	RHMW04-WGN01B-2212WK3	N	2022-12-23 12:20 PM	EUT2	5801215701	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW04	RHMW04-WGN01B-2212WK3	N	2022-12-23 12:20 PM	EUTQ	5801215701	Sampled				*						
RHMW04	RHMW04-WGN01B-2212WK4	N	2022-12-30 12:10 PM	EUT2	5801217471	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW04	RHMW04-WGN01B-2212WK4	N	2022-12-30 12:10 PM	EUTQ	5801217471	Sampled				*						
RHMW05	RHMW05-WGN01B-2212WK3	N	2022-12-20 10:00 AM	EUT2	5801214971	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW05	RHMW05-WGN01B-2212WK3	N	2022-12-20 10:00 AM	EUTQ	5801214971	Sampled				*						
RHMW05	RHMW05-WGN01B-2212WK4	N	2022-12-28 09:10 AM	EUT2	5801217031	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW05	RHMW05-WGN01B-2212WK4	N	2022-12-28 09:10 AM	EUTQ	5801217031	Sampled				*						
RHMW06	RHMW06-WGN01B-2212WK1	N	2022-12-06 04:50 PM	EUT2	5801209841	Sampled	*	*	*		*	*	*	*	*	*
RHMW06	RHMW06-WGN01B-2212WK1	N	2022-12-06 04:50 PM	EUTQ	5801209841	Sampled				*						
RHMW06	RHMW06-WGN01B-2212WK3	N	2022-12-19 02:35 PM	EUT2	5801214711	Sampled	*	*	*		*	*	*	*	*	*
RHMW06	RHMW06-WGN01B-2212WK3	N	2022-12-19 02:35 PM	EUTQ	5801214711	Sampled				*						
RHMW06	RHMW06-WGN01B-2212WK4	N	2022-12-30 07:50 AM	EUT2	5801217471	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW06	RHMW06-WGN01B-2212WK4	N	2022-12-30 07:50 AM	EUTQ	5801217471	Sampled				*						
RHMW08	RHMW08-WGN01B-2212WK3	N	2022-12-19 12:30 PM	EUT2	5801214151	Sampled	*	*	*		*	*	*	*	*	*
RHMW08	RHMW08-WGN01B-2212WK3	N	2022-12-19 12:30 PM	EUTQ	5801214151	Sampled				*						
RHMW08	RHMW08-WGN01B-2212WK4	N	2022-12-30 10:00 AM	EUT2	5801217471	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW08	RHMW08-WGN01B-2212WK4	N	2022-12-30 10:00 AM	EUTQ	5801217471	Sampled				*						
RHMW09	RHMW09-WGN01B-2212WK3	N	2022-12-23 07:55 AM	EUT2	5801215701	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW09	RHMW09-WGN01B-2212WK3	N	2022-12-23 07:55 AM	EUTQ	5801215701	Sampled				*						
RHMW09	RHMW09-WGN01B-2212WK4	N	2022-12-27 08:40 AM	EUT2	5801216661	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW09	RHMW09-WGN01B-2212WK4	N	2022-12-27 08:40 AM	EUTQ	5801216661	Sampled				*						
RHMW10	RHMW10-WGN01B-2212WK1	N	2022-12-09 09:40 AM	EUT2	5801211101	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW10	RHMW10-WGN01B-2212WK1	N	2022-12-09 09:40 AM	EUTQ	5801211101	Sampled				*						
RHMW13-05	RHMW13-05-WGN01G-2212WK3	N	2022-12-21 09:00 AM	EUT2	5801214971	Sampled; No SGC	*	*	*		*	*	*	*	*	*

Event Status Report

RHS Recovery and Monitoring
 RHS RM UFP-QAPP
 Event Name: RH NOI December 2022
 Event ID: 47

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SYOCs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
RHMW13-05	RHMW13-05-WGN01G-2212WK3	N	2022-12-21 09:00 AM	EUTQ	5801214971	Sampled				*						
RHMW13-05	RHMW13-05-WGN01G-2212WK4	N	2022-12-29 10:30 AM	EUT2	5801217471	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW13-05	RHMW13-05-WGN01G-2212WK4	N	2022-12-29 10:30 AM	EUTQ	5801217471	Sampled				*						
RHMW15-05	RHMW15-05-WGN01G-2212WK3	N	2022-12-19 09:15 AM	EUT2	5801214151	Sampled	*	*	*		*	*	*	*	*	*
RHMW15-05	RHMW15-05-WGN01G-2212WK3	N	2022-12-19 09:15 AM	EUTQ	5801214151	Sampled				*						
RHMW15-05	RHMW15-05-WGN01G-2212WK4	N	2022-12-27 09:00 AM	EUT2	5801216661	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW15-05	RHMW15-05-WGN01G-2212WK4	N	2022-12-27 09:00 AM	EUTQ	5801216661	Sampled				*						
RHMW16	RHMW16-WGN01LF-2212WK2	N	2022-12-16 02:45 PM	EUT2	5801214201	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW16	RHMW16-WGN01LF-2212WK2	N	2022-12-16 02:45 PM	EUTQ	5801214201	Sampled				*						
RHMW16	RHMW16-WGN01LF-2212WK3	N	2022-12-20 12:10 PM	EUT2	5801214711	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW16	RHMW16-WGN01LF-2212WK3	N	2022-12-20 12:10 PM	EUTQ	5801214711	Sampled				*						
RHMW16	RHMW16-WGN01LF-2212WK4	N	2022-12-28 01:05 PM	EUT2	5801217031	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW16	RHMW16-WGN01LF-2212WK4	N	2022-12-28 01:05 PM	EUTQ	5801217031	Sampled				*						
RHMW17	RHMW17-WGN01B-2212WK1	N	2022-12-07 02:05 PM	EUT2	5801210441	Sampled	*	*	*		*	*	*	*	*	*
RHMW17	RHMW17-WGN01B-2212WK1	N	2022-12-07 02:05 PM	EUTQ	5801210441	Sampled				*						
RHMW17	RHMW17-WGN01B-2212WK3	N	2022-12-21 11:45 AM	EUT2	5801214971	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW17	RHMW17-WGN01B-2212WK3	N	2022-12-21 11:45 AM	EUTQ	5801214971	Sampled				*						
RHMW17	RHMW17-WGN01B-2212WK4	N	2022-12-30 10:57 AM	EUT2	5801217471	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW17	RHMW17-WGN01B-2212WK4	N	2022-12-30 10:57 AM	EUTQ	5801217471	Sampled				*						
RHMW19	RHMW19-WGN01B-2212WK3	N	2022-12-23 09:30 AM	EUT2	5801215701	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW19	RHMW19-WGN01B-2212WK3	N	2022-12-23 09:30 AM	EUTQ	5801215701	Sampled				*						
RHMW19	RHMW19-WGN01B-2212WK4	N	2022-12-27 10:40 AM	EUT2	5801216661	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW19	RHMW19-WGN01B-2212WK4	N	2022-12-27 10:40 AM	EUTQ	5801216661	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01B-2212WK2	N	2022-12-15 09:30 AM	EUT2	5801213571	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01B-2212WK2	N	2022-12-15 09:30 AM	EUTQ	5801213571	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01B-2212WK3	N	2022-12-21 12:35 PM	EUT2	5801215701	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01B-2212WK3	N	2022-12-21 12:35 PM	EUTQ	5801215701	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01B-2212WK4	N	2022-12-29 11:25 AM	EUT2	5801216971	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01B-2212WK4	N	2022-12-29 11:25 AM	EUTQ	5801216971	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01LF-2212WK2	N	2022-12-15 09:55 AM	EUT2	5801213571	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01LF-2212WK2	N	2022-12-15 09:55 AM	EUTQ	5801213571	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01LF-2212WK3	N	2022-12-21 01:30 PM	EUT2	5801215701	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01LF-2212WK3	N	2022-12-21 01:30 PM	EUTQ	5801215701	Sampled				*						
RHMW2254-01	RHMW2254-01-WGN01LF-2212WK4	N	2022-12-29 12:05 PM	EUT2	5801216971	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01LF-2212WK4	N	2022-12-29 12:05 PM	EUTQ	5801216971	Sampled				*						

Status	Color
Status Not Determined	
Scheduled for Analysis; Awaiting Field Data	
Chain of Custody Data Loaded and Certified; Awaiting Lab Data	
Laboratory Data Loaded and Certified; Awaiting Validation	
Validation Qualifiers Finalized; Awaiting Approval	
Approval Complete; Data In Production	

Matrix Name	Matrix
Drinking Water	WP
Ground Water	WG

Sampling Method	Code
Bailer	B
Grab	G
Low-Flow (Slow Purge) Groundwater Pumping	LF

Laboratory Name	Laboratory Code
Euroms Environment Testing TestAmerica	EUTQ

Event Status Report

RHS Recovery and Monitoring
 RHS RM UFP-QAPP
 Event Name: RH NOI December 2022
 Event ID: 47

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SYOCs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
----------	-----------------	-------------	---------------	-----	-----	-----------------	----------------------	---------------------	----------------	------------------	--------------------	------------------	---------------------------------	---	--------------------------	----------------

Eurofins Environment
 Testing TestAmerica EUT2

Location Type	Code
Faucet/Tap	FW
Holding Pond/Lagoon	HP
Well	WL

Note: This event has missing samples in Event Management that are Field QC ONLY. Please refer to the Unplanned Field Samples report to view these samples.

Event Status Report

RHS Recovery and Monitoring
 RHS RM UFP-QAPP
 Event Name: RH NOI January 2023
 Event ID: 50

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EN (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
RHMW11-05	RHMW11-05-WGN01G-2301WK1	N	2023-01-04 09:15 AM	EUT2	5801218681	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN01G-2301WK1	N	2023-01-04 09:15 AM	EUTQ	5801218681	Sampled				*						
RHMW11-05	RHMW11-05-WGN01G-2301WK2	N	2023-01-10 09:30 AM	EUT2	5801220611	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN01G-2301WK2	N	2023-01-10 09:30 AM	EUTQ	5801220611	Sampled				*						
RHMW11-05	RHMW11-05-WGN01G-2301WK3	N	2023-01-17 08:50 AM	EUT2	5801223551	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN01G-2301WK3	N	2023-01-17 08:50 AM	EUTQ	5801223551	Sampled				*						
RHMW11-05	RHMW11-05-WGN01G-2301WK4	N	2023-01-24 09:15 AM	EUT2	5801227141	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN01G-2301WK4	N	2023-01-24 09:15 AM	EUTQ	5801227141	Sampled				*						
RHMW12A	RHMW12A-WGN01LF-2301WK1	N	2023-01-04 09:15 AM	EUT2	5801218681	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW12A	RHMW12A-WGN01LF-2301WK1	N	2023-01-04 09:15 AM	EUTQ	5801218681	Sampled				*						
RHMW12A	RHMW12A-WGN01LF-2301WK2	N	2023-01-10 09:30 AM	EUT2	5801220611	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW12A	RHMW12A-WGN01LF-2301WK2	N	2023-01-10 09:30 AM	EUTQ	5801220611	Sampled				*						
RHMW12A	RHMW12A-WGN01LF-2301WK3	N	2023-01-17 12:30 PM	EUT2	5801224201	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW12A	RHMW12A-WGN01LF-2301WK4	N	2023-01-25 10:00 AM	EUT2	5801227001	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN01G-2301WK1	N	2023-01-06 09:15 AM	EUT2	5801219821	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN01G-2301WK1	N	2023-01-06 09:15 AM	EUTQ	5801219821	Sampled				*						
RHMW14-03	RHMW14-03-WGN01G-2301WK2	N	2023-01-12 09:00 AM	EUT2	5801222141	Sampled	*	*	*	*	*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN01G-2301WK2	N	2023-01-12 09:00 AM	EUTQ	5801222141	Sampled				*						
RHMW14-03	RHMW14-03-WGN01G-2301WK3	N	2023-01-19 09:00 AM	EUT2	5801224981	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN01G-2301WK3	N	2023-01-19 09:00 AM	EUTQ	5801224981	Sampled				*						
RHMW14-03	RHMW14-03-WGN01G-2301WK4	N	2023-01-26 08:50 AM	EUT2	5801227621	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN01G-2301WK4	N	2023-01-26 08:50 AM	EUTQ	5801227621	Sampled				*						
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2301WK2	N	2023-01-11 01:15 PM	EUT2	5801222141	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2301WK2	N	2023-01-11 01:15 PM	EUTQ	5801222141	Sampled				*						
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2301WK3	N	2023-01-18 01:05 PM	EUT2	5801224981	Sampled	*	*	*	*	*	*	*	*	*	*
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2301WK3	N	2023-01-18 01:05 PM	EUTQ	5801224981	Sampled				*						
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2301WK4	N	2023-01-26 02:20 PM	EUT2	5801228011	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2301WK4	N	2023-01-26 02:20 PM	EUTQ	5801228011	Sampled				*						
OWDFMW01	OWDFMW01-WGN01LF-2301WK1	N	2023-01-06 09:05 AM	EUT2	5801219821	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
OWDFMW01	OWDFMW01-WGN01LF-2301WK1	N	2023-01-06 09:05 AM	EUTQ	5801219821	Sampled				*						
OWDFMW01	OWDFMW01-WGN01LF-2301WK2	N	2023-01-12 09:20 AM	EUT2	5801222141	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
OWDFMW01	OWDFMW01-WGN01LF-2301WK2	N	2023-01-12 09:20 AM	EUTQ	5801222141	Sampled				*						
OWDFMW01	OWDFMW01-WGN01LF-2301WK2	N	2023-01-12 09:20 AM	EUTQ	5801222141	Sampled; No SGC				*						
OWDFMW01	OWDFMW01-WGN01LF-2301WK3	N	2023-01-19 08:50 AM	EUT2	5801224981	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
OWDFMW01	OWDFMW01-WGN01LF-2301WK3	N	2023-01-19 08:50 AM	EUTQ	5801224981	Sampled				*						
OWDFMW01	OWDFMW01-WGN01LF-2301WK4	N	2023-01-26 10:05 AM	EUT2	5801227621	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
OWDFMW01	OWDFMW01-WGN01LF-2301WK4	N	2023-01-26 10:05 AM	EUTQ	5801227621	Sampled				*						
OWDFMW04A	OWDFMW04A-WGFD01LF-2301WK1	FD	2023-01-05 10:55 AM	EUT2	5801219311	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGFD01LF-2301WK2	FD	2023-01-11 11:45 AM	EUT2	5801221451	Sampled				*						
OWDFMW04A	OWDFMW04A-WGFD01LF-2301WK3	FD	2023-01-18 11:55 AM	EUT2	5801224151	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGFD01LF-2301WK4	FD	2023-01-24 11:25 AM	EUT2	5801226321	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGN01LF-2301WK1	N	2023-01-05 10:55 AM	EUT2	5801219311	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGN01LF-2301WK1	N	2023-01-05 10:55 AM	EUTQ	5801219311	Sampled				*						
OWDFMW04A	OWDFMW04A-WGN01LF-2301WK2	N	2023-01-11 11:45 AM	EUT2	5801221451	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGN01LF-2301WK2	N	2023-01-11 11:45 AM	EUTQ	5801221451	Sampled				*						
OWDFMW04A	OWDFMW04A-WGN01LF-2301WK3	N	2023-01-18 11:55 AM	EUT2	5801224151	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
OWDFMW04A	OWDFMW04A-WGN01LF-2301WK3	N	2023-01-18 11:55 AM	EUTQ	5801224151	Sampled; No SGC				*						

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI January 2023

Event ID: 50

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EN (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
OWDFMW04A	OWDFMW04A-WGN01LF-2301WK4	N	2023-01-24 11:25 AM	EUT2	5801226321	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2301WK4	N	2023-01-24 11:25 AM	EUTQ	5801226321	Sampled				•						
OWDFMW05A	OWDFMW05A-WGN01LF-2301WK1	N	2023-01-05 09:00 AM	EUT2	5801219311	Sampled; No SGC	•	•	•		•	•	•	•	•	•
OWDFMW05A	OWDFMW05A-WGN01LF-2301WK1	N	2023-01-05 09:00 AM	EUTQ	5801219311	Sampled				•						
OWDFMW05A	OWDFMW05A-WGN01LF-2301WK2	N	2023-01-11 09:45 AM	EUT2	5801221451	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW05A	OWDFMW05A-WGN01LF-2301WK2	N	2023-01-11 09:45 AM	EUTQ	5801221451	Sampled				•						
OWDFMW05A	OWDFMW05A-WGN01LF-2301WK3	N	2023-01-18 09:55 AM	EUT2	5801224151	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW05A	OWDFMW05A-WGN01LF-2301WK3	N	2023-01-18 09:55 AM	EUTQ	5801224151	Sampled				•						
OWDFMW05A	OWDFMW05A-WGN01LF-2301WK4	N	2023-01-24 09:55 AM	EUT2	5801226321	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW05A	OWDFMW05A-WGN01LF-2301WK4	N	2023-01-24 09:55 AM	EUTQ	5801226321	Sampled				•						
OWDFMW07A	OWDFMW07A-WGN01LF-2301WK1	N	2023-01-03 09:15 AM	EUT2	5801217911	Sampled	•	•	•		•	•	•	•	•	•
OWDFMW07A	OWDFMW07A-WGN01LF-2301WK2	N	2023-01-09 09:25 AM	EUT2	5801220001	Sampled; No SGC	•	•	•		•	•	•	•	•	•
OWDFMW07A	OWDFMW07A-WGN01LF-2301WK2	N	2023-01-09 09:25 AM	EUTQ	5801220001	Sampled				•						
OWDFMW07A	OWDFMW07A-WGN01LF-2301WK3	N	2023-01-16 09:20 AM	EUT2	5801222821	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW07A	OWDFMW07A-WGN01LF-2301WK3	N	2023-01-16 09:20 AM	EUTQ	5801222821	Sampled				•						
OWDFMW07A	OWDFMW07A-WGN01LF-2301WK4	N	2023-01-23 09:40 AM	EUT2	5801225881	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW07A	OWDFMW07A-WGN01LF-2301WK4	N	2023-01-23 09:40 AM	EUTQ	5801225881	Sampled				•						
OWDFMW08A	OWDFMW08A-WGFD01LF-2301WK1	FD	2023-01-03 11:05 AM	EUT2	5801217911	Sampled; No SGC	•				•		•	•	•	•
OWDFMW08A	OWDFMW08A-WGFD01LF-2301WK2	FD	2023-01-09 11:10 AM	EUT2	5801220001	Sampled; No SGC	•				•		•	•	•	•
OWDFMW08A	OWDFMW08A-WGFD01LF-2301WK3	FD	2023-01-16 11:15 AM	EUT2	5801222821	Sampled; No SGC	•				•		•	•	•	•
OWDFMW08A	OWDFMW08A-WGFD01LF-2301WK4	FD	2023-01-23 12:15 PM	EUT2	5801225881	Sampled; No SGC	•				•		•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2301WK1	N	2023-01-03 11:05 AM	EUT2	5801217911	Sampled; No SGC	•	•	•		•	•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2301WK2	N	2023-01-09 11:10 AM	EUT2	5801220001	Sampled; No SGC	•	•	•		•	•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2301WK2	N	2023-01-09 11:10 AM	EUTQ	5801220001	Sampled				•						
OWDFMW08A	OWDFMW08A-WGN01LF-2301WK3	N	2023-01-16 11:15 AM	EUT2	5801222821	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2301WK3	N	2023-01-16 11:15 AM	EUTQ	5801222821	Sampled				•						
OWDFMW08A	OWDFMW08A-WGN01LF-2301WK4	N	2023-01-23 12:15 PM	EUT2	5801225881	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2301WK4	N	2023-01-23 12:15 PM	EUTQ	5801225881	Sampled				•						
RHMW01R	RHMW01R-WGN01B-2301WK1	N	2023-01-04 09:50 AM	EUT2	5801218681	Sampled	•	•	•		•	•	•	•	•	•
RHMW01R	RHMW01R-WGN01B-2301WK1	N	2023-01-04 09:50 AM	EUTQ	5801218681	Sampled				•						
RHMW01R	RHMW01R-WGN01B-2301WK2	N	2023-01-10 10:15 AM	EUT2	5801220611	Sampled	•	•	•		•		•	•	•	•
RHMW01R	RHMW01R-WGN01B-2301WK2	N	2023-01-10 10:15 AM	EUTQ	5801220611	Sampled				•						
RHMW01R	RHMW01R-WGN01B-2301WK3	N	2023-01-17 10:45 AM	EUT2	5801224201	Sampled	•	•	•		•		•	•	•	•
RHMW01R	RHMW01R-WGN01B-2301WK4	N	2023-01-24 10:45 AM	EUT2	5801227141	Sampled	•	•	•		•		•	•	•	•
RHMW01R	RHMW01R-WGN01B-2301WK4	N	2023-01-24 10:45 AM	EUTQ	5801227141	Sampled				•						
RHMW02	RHMW02-WGN01B-2301WK1	N	2023-01-04 10:45 AM	EUT2	5801218681	Sampled	•	•	•		•	•	•	•	•	•
RHMW02	RHMW02-WGN01B-2301WK1	N	2023-01-04 10:45 AM	EUTQ	5801218681	Sampled				•						
RHMW02	RHMW02-WGN01B-2301WK2	N	2023-01-10 11:10 AM	EUT2	5801220611	Sampled	•	•	•		•		•	•	•	•
RHMW02	RHMW02-WGN01B-2301WK2	N	2023-01-10 11:10 AM	EUTQ	5801220611	Sampled				•						
RHMW02	RHMW02-WGN01B-2301WK3	N	2023-01-17 11:45 AM	EUT2	5801224201	Sampled	•	•	•		•		•	•	•	•
RHMW02	RHMW02-WGN01B-2301WK4	N	2023-01-24 11:55 AM	EUT2	5801227141	Sampled	•	•	•		•		•	•	•	•
RHMW02	RHMW02-WGN01B-2301WK4	N	2023-01-24 11:55 AM	EUTQ	5801227141	Sampled				•						
RHMW03	RHMW03-WGN01B-2301WK1	N	2023-01-04 11:50 AM	EUT2	5801218681	Sampled	•	•	•		•		•	•	•	•
RHMW03	RHMW03-WGN01B-2301WK1	N	2023-01-04 11:50 AM	EUTQ	5801218681	Sampled				•						
RHMW03	RHMW03-WGN01B-2301WK2	N	2023-01-10 12:05 PM	EUT2	5801220611	Sampled	•	•	•		•		•	•	•	•
RHMW03	RHMW03-WGN01B-2301WK2	N	2023-01-10 12:05 PM	EUTQ	5801220611	Sampled				•						
RHMW03	RHMW03-WGN01B-2301WK3	N	2023-01-17 12:45 PM	EUT2	5801224201	Sampled	•	•	•		•		•	•	•	•

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI January 2023

Event ID: 50

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EN (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
RHMW03	RHMW03-WGN01B-2301WK4	N	2023-01-24 12:55 PM	EUT2	5801227141	Sampled	•	•	•	•	•	•	•	•	•	•
RHMW03	RHMW03-WGN01B-2301WK4	N	2023-01-24 12:55 PM	EUTQ	5801227141	Sampled				•	•	•				
RHMW04	RHMW04-WGFD01B-2301WK1	FD	2023-01-06 11:35 AM	EUT2	5801219821	Sampled; No SGC	•				•		•	•	•	•
RHMW04	RHMW04-WGFD01B-2301WK2	FD	2023-01-13 08:25 AM	EUT2	5801222611	Sampled	•				•		•	•	•	•
RHMW04	RHMW04-WGFD01B-2301WK3	FD	2023-01-20 08:40 AM	EUT2	5801225861	Sampled; No SGC	•				•		•	•	•	•
RHMW04	RHMW04-WGN01B-2301WK1	N	2023-01-06 11:35 AM	EUT2	5801219821	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW04	RHMW04-WGN01B-2301WK1	N	2023-01-06 11:35 AM	EUTQ	5801219821	Sampled				•						
RHMW04	RHMW04-WGN01B-2301WK2	N	2023-01-13 08:25 AM	EUT2	5801222611	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW04	RHMW04-WGN01B-2301WK2	N	2023-01-13 08:25 AM	EUTQ	5801222611	Sampled				•		•				
RHMW04	RHMW04-WGN01B-2301WK3	N	2023-01-20 08:40 AM	EUT2	5801225861	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW05	RHMW05-WGN01B-2301WK1	N	2023-01-04 08:45 AM	EUT2	5801218681	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW05	RHMW05-WGN01B-2301WK1	N	2023-01-04 08:45 AM	EUTQ	5801218681	Sampled				•						
RHMW05	RHMW05-WGN01B-2301WK2	N	2023-01-10 09:10 AM	EUT2	5801220611	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW05	RHMW05-WGN01B-2301WK2	N	2023-01-10 09:10 AM	EUTQ	5801220611	Sampled				•		•				
RHMW05	RHMW05-WGN01B-2301WK3	N	2023-01-17 09:45 AM	EUT2	5801224201	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW05	RHMW05-WGN01B-2301WK4	N	2023-01-24 09:40 AM	EUT2	5801227141	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW05	RHMW05-WGN01B-2301WK4	N	2023-01-24 09:40 AM	EUTQ	5801227141	Sampled				•		•				
RHMW06	RHMW06-WGN01B-2301WK1	N	2023-01-06 10:05 AM	EUT2	5801219821	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW06	RHMW06-WGN01B-2301WK1	N	2023-01-06 10:05 AM	EUTQ	5801219821	Sampled				•						
RHMW06	RHMW06-WGN01B-2301WK2	N	2023-01-13 10:10 AM	EUT2	5801222611	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW06	RHMW06-WGN01B-2301WK2	N	2023-01-13 10:10 AM	EUTQ	5801222611	Sampled				•		•				
RHMW06	RHMW06-WGN01B-2301WK3	N	2023-01-20 03:50 PM	EUT2	5801225861	Sampled	•	•	•		•		•	•	•	•
RHMW08	RHMW08-WGN01B-2301WK1	N	2023-01-06 08:26 AM	EUT2	5801219821	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW08	RHMW08-WGN01B-2301WK1	N	2023-01-06 08:26 AM	EUTQ	5801219821	Sampled				•						
RHMW08	RHMW08-WGN01B-2301WK2	N	2023-01-13 12:05 PM	EUT2	5801222611	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW08	RHMW08-WGN01B-2301WK2	N	2023-01-13 12:05 PM	EUTQ	5801222611	Sampled				•		•				
RHMW08	RHMW08-WGN01B-2301WK3	N	2023-01-20 11:45 AM	EUT2	5801225861	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW09	RHMW09-WGN01B-2301WK1	N	2023-01-03 08:00 AM	EUT2	5801217911	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW09	RHMW09-WGN01B-2301WK2	N	2023-01-09 11:11 AM	EUT2	5801220001	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW09	RHMW09-WGN01B-2301WK2	N	2023-01-09 11:11 AM	EUTQ	5801220001	Sampled				•						
RHMW09	RHMW09-WGN01B-2301WK3	N	2023-01-16 08:05 AM	EUT2	5801222821	Sampled	•	•	•		•		•	•	•	•
RHMW09	RHMW09-WGN01B-2301WK3	N	2023-01-16 08:05 AM	EUTQ	5801222821	Sampled				•		•				
RHMW09	RHMW09-WGN01B-2301WK4	N	2023-01-23 09:05 AM	EUT2	5801226321	Sampled	•	•	•		•		•	•	•	•
RHMW09	RHMW09-WGN01B-2301WK4	N	2023-01-23 09:05 AM	EUTQ	5801226321	Sampled				•		•				
RHMW13-05	RHMW13-05-WGN01G-2301WK1	N	2023-01-05 09:50 AM	EUT2	5801219311	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW13-05	RHMW13-05-WGN01G-2301WK1	N	2023-01-05 09:50 AM	EUTQ	5801219311	Sampled				•						
RHMW13-05	RHMW13-05-WGN01G-2301WK2	N	2023-01-11 09:30 AM	EUT2	5801221451	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW13-05	RHMW13-05-WGN01G-2301WK2	N	2023-01-11 09:30 AM	EUTQ	5801221451	Sampled				•		•				
RHMW13-05	RHMW13-05-WGN01G-2301WK3	N	2023-01-18 09:25 AM	EUT2	5801224151	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW13-05	RHMW13-05-WGN01G-2301WK3	N	2023-01-18 09:25 AM	EUTQ	5801224151	Sampled; No SGC				•		•				
RHMW13-05	RHMW13-05-WGN01G-2301WK4	N	2023-01-25 09:30 AM	EUT2	5801227001	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW13-05	RHMW13-05-WGN01G-2301WK4	N	2023-01-25 09:30 AM	EUTQ	5801227001	Sampled				•		•				
RHMW15-05	RHMW15-05-WGN01G-2301WK1	N	2023-01-03 09:00 AM	EUT2	5801217911	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW15-05	RHMW15-05-WGN01G-2301WK2	N	2023-01-09 09:10 AM	EUT2	5801220001	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW15-05	RHMW15-05-WGN01G-2301WK2	N	2023-01-09 09:10 AM	EUTQ	5801220001	Sampled				•						
RHMW15-05	RHMW15-05-WGN01G-2301WK3	N	2023-01-16 09:15 AM	EUT2	5801222821	Sampled	•	•	•		•		•	•	•	•
RHMW15-05	RHMW15-05-WGN01G-2301WK3	N	2023-01-16 09:15 AM	EUTQ	5801222821	Sampled				•		•				

Event Status Report

RHS Recovery and Monitoring
 RHS RM UFP-QAPP
 Event Name: RH NOI January 2023
 Event ID: 50

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EN (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
RHMW15-05	RHMW15-05-WGN01G-2301WK4	N	2023-01-23 08:50 AM	EUT2	5801225881	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW15-05	RHMW15-05-WGN01G-2301WK4	N	2023-01-23 08:50 AM	EUTQ	5801225881	Sampled				•						
RHMW16	RHMW16-WGN01LF-2301WK1	N	2023-01-04 11:48 AM	EUT2	5801218681	Sampled	•	•	•		•	•	•	•	•	•
RHMW16	RHMW16-WGN01LF-2301WK1	N	2023-01-04 11:48 AM	EUTQ	5801218681	Sampled				•						
RHMW16	RHMW16-WGN01LF-2301WK2	N	2023-01-10 12:15 PM	EUT2	5801220611	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW16	RHMW16-WGN01LF-2301WK2	N	2023-01-10 12:15 PM	EUTQ	5801220611	Sampled				•		•				
RHMW16	RHMW16-WGN01LF-2301WK3	N	2023-01-17 02:25 PM	EUT2	5801224201	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW16	RHMW16-WGN01LF-2301WK4	N	2023-01-25 12:45 PM	EUT2	5801227001	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW16	RHMW16-WGN01LF-2301WK4	N	2023-01-25 12:45 PM	EUTQ	5801227001	Sampled				•		•				
RHMW17	RHMW17-WGN01B-2301WK1	N	2023-01-06 10:45 AM	EUT2	5801219821	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW17	RHMW17-WGN01B-2301WK1	N	2023-01-06 10:45 AM	EUTQ	5801219821	Sampled				•		•				
RHMW17	RHMW17-WGN01B-2301WK2	N	2023-01-12 11:20 AM	EUT2	5801222141	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW17	RHMW17-WGN01B-2301WK2	N	2023-01-12 11:20 AM	EUTQ	5801222141	Sampled				•		•				
RHMW17	RHMW17-WGN01B-2301WK3	N	2023-01-19 11:15 AM	EUT2	5801224981	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW17	RHMW17-WGN01B-2301WK3	N	2023-01-19 11:15 AM	EUTQ	5801224981	Sampled				•		•				
RHMW17	RHMW17-WGN01B-2301WK4	N	2023-01-26 01:15 PM	EUT2	5801228011	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW17	RHMW17-WGN01B-2301WK4	N	2023-01-26 01:15 PM	EUTQ	5801228011	Sampled				•		•				
RHMW19	RHMW19-WGN01B-2301WK1	N	2023-01-03 09:20 AM	EUT2	5801217911	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW19	RHMW19-WGN01B-2301WK2	N	2023-01-09 09:35 AM	EUT2	5801220001	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW19	RHMW19-WGN01B-2301WK2	N	2023-01-09 09:35 AM	EUTQ	5801220001	Sampled				•						
RHMW19	RHMW19-WGN01B-2301WK3	N	2023-01-16 09:45 AM	EUT2	5801222821	Sampled	•	•	•		•		•	•	•	•
RHMW19	RHMW19-WGN01B-2301WK3	N	2023-01-16 09:45 AM	EUTQ	5801222821	Sampled				•		•				
RHMW19	RHMW19-WGN01B-2301WK4	N	2023-01-23 01:38 PM	EUT2	5801226321	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW19	RHMW19-WGN01B-2301WK4	N	2023-01-23 01:38 PM	EUTQ	5801226321	Sampled				•		•				
RHMW2254-01	RHMW2254-01-WGN01B-2301WK2	N	2023-01-11 11:20 AM	EUT2	5801222141	Sampled	•	•	•		•		•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01B-2301WK2	N	2023-01-11 11:20 AM	EUTQ	5801222141	Sampled				•		•				
RHMW2254-01	RHMW2254-01-WGN01B-2301WK3	N	2023-01-18 11:25 AM	EUT2	5801224981	Sampled	•	•	•		•		•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01B-2301WK3	N	2023-01-18 11:25 AM	EUTQ	5801224981	Sampled				•		•				
RHMW2254-01	RHMW2254-01-WGN01B-2301WK4	N	2023-01-26 12:10 PM	EUT2	5801228011	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01B-2301WK4	N	2023-01-26 12:10 PM	EUTQ	5801228011	Sampled				•		•				
RHMW2254-01	RHMW2254-01-WGN01LF-2301WK2	N	2023-01-11 12:05 PM	EUT2	5801222141	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01LF-2301WK2	N	2023-01-11 12:05 PM	EUTQ	5801222141	Sampled				•		•				
RHMW2254-01	RHMW2254-01-WGN01LF-2301WK3	N	2023-01-18 12:15 PM	EUT2	5801224981	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01LF-2301WK3	N	2023-01-18 12:15 PM	EUTQ	5801224981	Sampled				•		•				
RHMW2254-01	RHMW2254-01-WGN01LF-2301WK4	N	2023-01-26 01:05 PM	EUT2	5801228011	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01LF-2301WK4	N	2023-01-26 01:05 PM	EUTQ	5801228011	Sampled				•		•				

Status	Color
Status Not Determined	
Scheduled for Analysis; Awaiting Field Data	
Chain of Custody Data Loaded and Certified; Awaiting Lab Data	
Laboratory Data Loaded and Certified; Awaiting Validation	
Validation/Qualifiers Finalized; Awaiting Approval	
Approval Complete; Data in Production	

Matrix Name	Matrix
Drinking Water	WP
Ground Water	WG

Sampling Method	Code
Bailer	B
Grab	G
Low-Flow (Slow Purge) Groundwater Pumping	LF

Laboratory Name	Laboratory Code

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI February 2023

Event ID: 1063

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
RHMW11-05	RHMW11-05-WGN01G-2302WK3	N	2023-02-21 09:45 AM	EUT2	5801238521	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW11-05	RHMW11-05-WGN01G-2302WK3	N	2023-02-21 09:45 AM	EUTQ	5801238521	Sampled				•						
RHMW11-05	RHMW11-05-WGN01G-2302WK4	N	2023-02-27 10:05 AM	EUT2	5801240291	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW11-05	RHMW11-05-WGN01G-2302WK4	N	2023-02-27 10:05 AM	EUTQ	5801240291	Sampled				•						
RHMW12A	RHMW12A-WGN01LF-2302WK2	N	2023-02-14 09:45 AM	EUT2	5801235631	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW12A	RHMW12A-WGN01LF-2302WK2	N	2023-02-14 09:45 AM	EUTQ	5801235631	Sampled				•						
RHMW14-03	RHMW14-03-WGN01G-2302WK2	N	2023-02-16 09:15 AM	EUT2	5801236761	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW14-03	RHMW14-03-WGN01G-2302WK2	N	2023-02-16 09:15 AM	EUTQ	5801236761	Sampled				•						
RHMW14-03	RHMW14-03-WGN01G-2302WK3	N	2023-02-23 08:55 AM	EUT2	5801239421	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW14-03	RHMW14-03-WGN01G-2302WK3	N	2023-02-23 08:55 AM	EUTQ	5801239421	Sampled				•						
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2302WK2	N	2023-02-15 02:35 PM	EUT2	5801236761	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2302WK2	N	2023-02-15 02:35 PM	EUTQ	5801236761	Sampled				•						
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2302WK3	N	2023-02-22 11:10 AM	EUT2	5801239421	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2302WK3	N	2023-02-22 11:10 AM	EUTQ	5801239421	Sampled				•						
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2302WK4	N	2023-03-01 09:35 AM	EUT2	5801241721	Sampled	•	•	•	•	•	•	•	•	•	•
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2302WK4	N	2023-03-01 09:35 AM	EUTQ	5801241721	Sampled				•						
OWDFMW01	OWDFMW01-WGN01LF-2302WK2	N	2023-02-16 10:50 AM	EUT2	5801237131	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW01	OWDFMW01-WGN01LF-2302WK2	N	2023-02-16 10:50 AM	EUTQ	5801237131	Sampled				•						
OWDFMW01	OWDFMW01-WGN01LF-2302WK3	N	2023-02-23 09:30 AM	EUT2	5801239671	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW01	OWDFMW01-WGN01LF-2302WK3	N	2023-02-23 09:30 AM	EUTQ	5801239671	Sampled				•						
OWDFMW07A	OWDFMW07A-WGN01LF-2302WK2	N	2023-02-13 09:45 AM	EUT2	5801234771	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW07A	OWDFMW07A-WGN01LF-2302WK2	N	2023-02-13 09:45 AM	EUTQ	5801234771	Sampled				•						
OWDFMW07A	OWDFMW07A-WGN01LF-2302WK3	N	2023-02-24 10:20 AM	EUT2	5801239671	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW07A	OWDFMW07A-WGN01LF-2302WK3	N	2023-02-24 10:20 AM	EUTQ	5801239671	Sampled				•						
OWDFMW07A	OWDFMW07A-WGN01LF-2302WK4	N	2023-02-27 10:15 AM	EUT2	5801240291	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW07A	OWDFMW07A-WGN01LF-2302WK4	N	2023-02-27 10:15 AM	EUTQ	5801240291	Sampled				•						
OWDFMW08A	OWDFMW08A-WGFD01LF-2302WK2	FD	2023-02-13 12:45 PM	EUT2	5801235631	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGFD01LF-2302WK3	FD	2023-02-24 12:15 PM	EUT2	5801239671	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGFD01LF-2302WK4	FD	2023-02-27 12:15 PM	EUT2	5801240291	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2302WK2	N	2023-02-13 12:45 PM	EUT2	5801235631	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2302WK2	N	2023-02-13 12:45 PM	EUTQ	5801235631	Sampled				•						
OWDFMW08A	OWDFMW08A-WGN01LF-2302WK3	N	2023-02-20 12:15 PM	EUTQ	5801239671	Sampled				•						
OWDFMW08A	OWDFMW08A-WGN01LF-2302WK3	N	2023-02-24 12:15 PM	EUT2	5801239671	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2302WK4	N	2023-02-27 12:15 PM	EUT2	5801240291	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2302WK4	N	2023-02-27 12:15 PM	EUTQ	5801240291	Sampled				•						
RHMW04	RHMW04-WGFD01B-2302WK2	FD	2023-02-16 08:45 AM	EUT2	5801237131	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW04	RHMW04-WGFD01B-2302WK3	FD	2023-02-23 08:05 AM	EUT2	5801239421	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW04	RHMW04-WGN01B-2302WK2	N	2023-02-16 08:45 AM	EUT2	5801237131	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW04	RHMW04-WGN01B-2302WK2	N	2023-02-16 08:45 AM	EUTQ	5801237131	Sampled				•						
RHMW04	RHMW04-WGN01B-2302WK3	N	2023-02-23 08:05 AM	EUT2	5801239421	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW04	RHMW04-WGN01B-2302WK3	N	2023-02-23 08:05 AM	EUTQ	5801239421	Sampled				•						
RHMW06	RHMW06-WGN01B-2302WK2	N	2023-02-16 01:10 PM	EUT2	5801237131	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW06	RHMW06-WGN01B-2302WK2	N	2023-02-16 01:10 PM	EUTQ	5801237131	Sampled				•						
RHMW06	RHMW06-WGN01B-2302WK3	N	2023-02-23 10:05 AM	EUT2	5801239421	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW06	RHMW06-WGN01B-2302WK3	N	2023-02-23 10:05 AM	EUTQ	5801239421	Sampled				•						
RHMW08	RHMW08-WGN01B-2302WK2	N	2023-02-16 10:40 AM	EUT2	5801237131	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•
RHMW08	RHMW08-WGN01B-2302WK2	N	2023-02-16 10:40 AM	EUTQ	5801237131	Sampled				•						
RHMW08	RHMW08-WGN01B-2302WK3	N	2023-02-23 12:35 PM	EUT2	5801239421	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•

Event Status Report

RHS Recovery and Monitoring
 RHS RM UFP-QAPP
 Event Name: RH NOI February 2023
 Event ID: 1063

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOCs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
RHMW08	RHMW08-WGN01B-2302WK3	N	2023-02-23 12:35 PM	EUTQ	5801239421	Sampled				*	*	*				
RHMW09	RHMW09-WGN01B-2302WK2	N	2023-02-13 12:30 PM	EUT2	5801235631	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW09	RHMW09-WGN01B-2302WK2	N	2023-02-13 12:30 PM	EUTQ	5801235631	Sampled				*	*	*				
RHMW13-05	RHMW13-05-WGN01G-2302WK4	N	2023-02-28 09:40 AM	EUT2	5801241721	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW13-05	RHMW13-05-WGN01G-2302WK4	N	2023-02-28 09:40 AM	EUTQ	5801241721	Sampled				*	*	*				
RHMW15-05	RHMW15-05-WGN01G-2302WK2	N	2023-02-13 09:50 AM	EUT2	5801234771	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW15-05	RHMW15-05-WGN01G-2302WK2	N	2023-02-13 09:50 AM	EUTQ	5801234771	Sampled				*	*	*				
RHMW15-05	RHMW15-05-WGN01G-2302WK3	N	2023-02-20 09:50 AM	EUT2	5801238521	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW15-05	RHMW15-05-WGN01G-2302WK3	N	2023-02-20 09:50 AM	EUTQ	5801238521	Sampled				*	*	*				
RHMW16	RHMW16-WGN01LF-2302WK2	N	2023-02-14 11:55 AM	EUT2	5801235631	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW16	RHMW16-WGN01LF-2302WK2	N	2023-02-14 11:55 AM	EUTQ	5801235631	Sampled				*	*	*				
RHMW17	RHMW17-WGN01B-2302WK2	N	2023-02-16 01:15 PM	EUT2	5801237131	Sampled	*	*	*		*	*	*	*	*	*
RHMW17	RHMW17-WGN01B-2302WK2	N	2023-02-16 01:15 PM	EUTQ	5801237131	Sampled				*	*	*				
RHMW17	RHMW17-WGN01B-2302WK3	N	2023-02-23 12:25 PM	EUT2	5801239671	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW17	RHMW17-WGN01B-2302WK3	N	2023-02-23 12:25 PM	EUTQ	5801239671	Sampled				*	*	*				
RHMW19	RHMW19-WGN01B-2302WK2	N	2023-02-13 11:10 AM	EUT2	5801235631	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW19	RHMW19-WGN01B-2302WK2	N	2023-02-13 11:10 AM	EUTQ	5801235631	Sampled				*	*	*				
RHMW2254-01	RHMW2254-01-WGN01B-2302WK2	N	2023-02-15 12:10 PM	EUT2	5801236761	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01B-2302WK2	N	2023-02-15 12:10 PM	EUTQ	5801236761	Sampled				*	*	*				
RHMW2254-01	RHMW2254-01-WGN01B-2302WK3	N	2023-02-22 12:30 PM	EUT2	5801239421	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01B-2302WK3	N	2023-02-22 12:30 PM	EUTQ	5801239421	Sampled				*	*	*				
RHMW2254-01	RHMW2254-01-WGN01B-2302WK4	N	2023-03-01 11:50 AM	EUT2	5801241721	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01B-2302WK4	N	2023-03-01 11:50 AM	EUTQ	5801241721	Sampled				*	*	*				
RHMW2254-01	RHMW2254-01-WGN01LF-2302WK2	N	2023-02-15 01:40 PM	EUT2	5801236761	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01LF-2302WK2	N	2023-02-15 01:40 PM	EUTQ	5801236761	Sampled				*	*	*				
RHMW2254-01	RHMW2254-01-WGN01LF-2302WK3	N	2023-02-22 01:15 PM	EUT2	5801239421	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01LF-2302WK3	N	2023-02-22 01:15 PM	EUTQ	5801239421	Sampled				*	*	*				
RHMW2254-01	RHMW2254-01-WGN01LF-2302WK4	N	2023-03-01 11:35 AM	EUT2	5801241721	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW2254-01	RHMW2254-01-WGN01LF-2302WK4	N	2023-03-01 11:35 AM	EUTQ	5801241721	Sampled				*	*	*				

Status	Color
Status Not Determined	
Scheduled for Analysis; Awaiting Field Data	
Chain of Custody Data Loaded and Certified; Awaiting Lab Data	
Laboratory Data Loaded and Certified; Awaiting Validation	
Validation Qualifiers Finalized; Awaiting Approval	
Approval Complete; Data In Production	

Matrix Name	Matrix
Drinking Water	WP
Ground Water	WG

Sampling Method	Code
Bailer	B
Grab	G
Low-Flow (Slow Purge) Groundwater Pumping	LF

Laboratory Name	Laboratory Code
Euroins Environment Testing TestAmerica	EUTQ
Euroins Environment Testing TestAmerica	EUT2

Location Type	Code
Faucet/Tap	FW
Holding Pond/Lagoon	HP
Well	WL

Note: This event has missing samples in Event Management that are Field QC ONLY. Please refer to the Unplanned Field Samples report to view these samples.

Event Status Report

RHS Recovery and Monitoring
 RHS RM UFP-QAPP
 Event Name: RH NOI March 2023
 Event ID: 1066

Location	Field Sample ID	Sample Type	Sampling Date	Lab	SDG	Sampling Status	BNA SIM EU (BNASIME)	EDB DBPR12 (SW8011)	Lead (SW6020B)	Methane (RSK175)	SVOcs EU (SW8270E)	TOC EU (SW9060A)	TPH Diesel and Oil EU (SW8015D)	TPH Diesel and Oil Silica Gel EU SGS (M8015D)	TPH Gasoline EU (SW8260)	VOCs (SW8260D)
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2302WK4	N	2023-03-01 09:35 AM	EUT2	5801241721	Sampled	•	•	•	•	•	•	•	•	•	•
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2302WK4	N	2023-03-01 09:35 AM	EUTQ	5801241721	Sampled				•		•				
OWDFMW01	OWDFMW01-WGN01LF-2302WK4	N	2023-03-02 11:55 AM	EUT2	5801242591	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW01	OWDFMW01-WGN01LF-2302WK4	N	2023-03-02 11:55 AM	EUTQ	5801242591	Sampled				•		•				
RHMW04	RHMW04-WGFD01B-2302WK4	FD	2023-03-02 09:05 AM	EUT2	5801242591	Sampled; No SGC	•				•		•	•	•	•
RHMW04	RHMW04-WGN01B-2302WK4	N	2023-03-02 09:05 AM	EUT2	5801242591	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW04	RHMW04-WGN01B-2302WK4	N	2023-03-02 09:05 AM	EUTQ	5801242591	Sampled				•		•				
RHMW06	RHMW06-WGN01B-2302WK4	N	2023-03-02 02:55 PM	EUT2	5801242591	Sampled	•	•	•		•		•	•	•	•
RHMW06	RHMW06-WGN01B-2302WK4	N	2023-03-02 02:55 PM	EUTQ	5801242591	Sampled				•		•				
RHMW08	RHMW08-WGN01B-2302WK4	N	2023-03-02 01:00 PM	EUT2	5801242591	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW08	RHMW08-WGN01B-2302WK4	N	2023-03-02 01:00 PM	EUTQ	5801242591	Sampled				•		•				
RHMW13-05	RHMW13-05-WGN01G-2302WK4	N	2023-02-28 09:40 AM	EUT2	5801241721	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW13-05	RHMW13-05-WGN01G-2302WK4	N	2023-02-28 09:40 AM	EUTQ	5801241721	Sampled				•		•				
RHMW17	RHMW17-WGN01B-2302WK4	N	2023-03-02 02:05 PM	EUT2	5801242591	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW17	RHMW17-WGN01B-2302WK4	N	2023-03-02 02:05 PM	EUTQ	5801242591	Sampled				•		•				
RHMW2254-01	RHMW2254-01-WGN01B-2302WK4	N	2023-03-01 11:50 AM	EUT2	5801241721	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01B-2302WK4	N	2023-03-01 11:50 AM	EUTQ	5801241721	Sampled				•		•				
RHMW2254-01	RHMW2254-01-WGN01LF-2302WK4	N	2023-03-01 11:35 AM	EUT2	5801241721	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01LF-2302WK4	N	2023-03-01 11:35 AM	EUTQ	5801241721	Sampled				•		•				
OWDFMW04A	OWDFMW04A-WGFD01LF-2303WK1	FD	2023-03-10 03:50 PM	EUT2	5801246561	Sampled; No SGC	•				•		•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2303WK1	N	2023-03-10 03:50 PM	EUT2	5801246561	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2303WK1	N	2023-03-10 03:50 PM	EUTQ	5801246561	Sampled				•		•				
OWDFMW05A	OWDFMW05A-WGN01LF-2303WK1	N	2023-03-10 01:30 PM	EUT2	5801246561	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW05A	OWDFMW05A-WGN01LF-2303WK1	N	2023-03-10 01:30 PM	EUTQ	5801246561	Sampled				•		•				

Status	Color
Status Not Determined	
Scheduled for Analysis; Awaiting Field Data	
Chain of Custody Data Loaded and Certified; Awaiting Lab Data	
Laboratory Data Loaded and Certified; Awaiting Validation	
Validation Qualifiers Finalized; Awaiting Approval	
Approval Complete; Data In Production	

Matrix Name	Matrix
Drinking Water	WP
Ground Water	WG

Sampling Method	Code
Bailer	B
Grab	G
Low-Flow (Slow Purge) Groundwater Pumping	LF

Laboratory Name	Laboratory Code
Euronis Environment Testing TestAmerica	EUTQ
Euronis Environment Testing TestAmerica	EUT2

Location Type	Code
Faucet/Tap	FW
Holding Pond/Lagoon	HP
Well	WL

Note: This event has missing samples in Event Management that are Field QC ONLY. Please refer to the Unplanned Field Samples report to view these samples.

Appendix B.2 – Summary of Free Product Gauging and Monitoring Well Headspace Measurements

Appendix B.2.1 – AOC Oil/Water Interface Measurements, January 2014 through April 2023

Red Hill Oil/Water Interface Measurements January 2014 to Present

Date	RHMW01			RHMW01R			RHMW02			RHMW03			RHMW05		
	Elevation = 101.9955 ft ¹			Elevation = 101.7570 ft			Elevation = 104.5970 ft ¹			Elevation = 120.8980 ft ¹			Elevation = 101.3102 ft ¹		
	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL
15-Jan-14	83.94	18.06	0				86.62	17.98	0	NT	NT	NT	NT	NT	NT
16-Jan-14	NT	NT	NT				NT	NT	NT	NT	NT	NT	83.09	18.22	0
22-Jan-14	83.53	18.47	0				86.20	18.40	0	NT	NT	NT	82.87	18.44	0
23-Jan-14	83.58	18.42	0				86.24	18.36	0	NT	NT	NT	82.94	18.37	0
24-Jan-14	83.57	18.43	0				86.23	18.37	0	NT	NT	NT	82.93	18.38	0
27-Jan-14	83.55	18.45	0				86.23	18.37	0	NT	NT	NT	82.93	18.38	0
28-Jan-14	83.56	18.44	0				86.25	18.35	0	102.52	18.38	0	82.94	18.37	0
29-Jan-14	83.56	18.44	0				86.22	18.38	0	NT	NT	NT	82.94	18.37	0
30-Jan-14	83.53	18.47	0				86.21	18.39	0	NT	NT	NT	82.93	18.38	0
31-Jan-14	83.53	18.47	0				86.19	18.41	0	NT	NT	NT	82.88	18.43	0
3-Feb-14	83.54	18.46	0				86.20	18.40	0	NT	NT	NT	82.91	18.40	0
4-Feb-14	83.54	18.46	0				86.20	18.40	0	NT	NT	NT	82.89	18.42	0
10-Feb-14	84.49	17.51	0				86.16	18.44	0	102.47	18.43	0	82.83	18.48	0
24-Feb-14	83.54	18.46	0				86.24	18.36	0	102.47	18.43	0	82.97	18.34	0
4-Mar-14*	NT	NT	NT				NT	NT	NT	NT	NT	NT	NT	NT	NT
13-Mar-14*	NT	NT	NT				NT	NT	NT	NT	NT	NT	NT	NT	NT
28-Mar-14	83.76	18.24	0				86.42	18.18	0	102.65	18.25	0	83.18	18.13	0
7-Apr-14*	83.42	18.58	0				86.43	18.17	0	NT	NT	NT	83.21	18.10	0
21-Apr-14	83.93	18.07	0				86.58	18.02	0	102.80	18.10	0	83.27	18.04	0
8-May-14*	84.03	17.97	0				86.68	17.92	0	NT	NT	NT	83.46	17.85	0
22-May-14*	83.81	18.19	0				86.47	18.13	0	NT	NT	NT	83.15	18.16	0
27-May-14	83.91	18.09	0				86.60	18.00	0	102.85	18.05	0	83.31	18.00	0
10-Jun-14*	83.93	18.07	0				86.55	18.05	0	NT	NT	NT	83.34	17.97	0
23-Jun-14	84.06	17.94	0				86.72	17.88	0	103.99	16.91	0	83.54	17.77	0
21-Jul-14	84.13	17.87	0				86.80	17.80	0	102.98	17.92	0	83.49	17.82	0
27-Aug-14	84.01	17.99	0				86.65	17.95	0	102.87	18.03	0	83.04	18.27	0
25-Sep-14	84.64	17.36	0				87.27	17.33	0	103.51	17.39	0	84.10	17.21	0
28-Oct-14	83.79	18.21	0				86.51	18.09	0	102.78	18.12	0	83.21	18.10	0
20-Nov-14	83.87	18.13	0				86.56	18.04	0	102.78	18.12	0	83.35	17.96	0
23-Dec-14	83.67	18.33	0				86.37	18.23	0	102.64	18.26	0	83.05	18.26	0
28-Jan-15	83.63	18.37	0				86.35	18.25	0	102.63	18.27	0	83.03	18.28	0
27-Feb-15	83.68	18.32	0				86.28	18.32	0	102.52	18.38	0	83.06	18.25	0
26-Mar-15	83.83	18.17	0				86.04	18.56	0	102.79	18.11	0	83.24	18.07	0
21-Apr-15	84.33	17.67	0				86.97	17.63	0	103.18	17.72	0	83.72	17.59	0
28-May-15	84.29	17.71	0				86.97	17.63	0	103.24	17.66	0	83.95	17.36	0
25-Jun-15	84.58	17.42	0				87.28	17.32	0	103.57	17.33	0	83.75	17.56	0

Red Hill Oil/Water Interface Measurements January 2014 to Present

Date	RHMW01			RHMW01R			RHMW02			RHMW03			RHMW05		
	Elevation = 101.9955 ft ¹			Elevation = 101.7570 ft			Elevation = 104.5970 ft ¹			Elevation = 120.8980 ft ¹			Elevation = 101.3102 ft ¹		
	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL
21-Jul-15	84.58	17.42	0				87.24	17.36	0	103.44	17.46	0	83.76	17.55	0
27-Aug-15	84.44	17.56	0				87.13	17.47	0	103.41	17.49	0	83.69	17.62	0
23-Sep-15	84.26	17.74	0				86.94	17.66	0	103.21	17.69	0	83.63	17.68	0
20-Oct-15	84.00	18.00	0				86.38	18.22	0	103.38	17.52	0	Obstructed	NT	NT
18-Nov-15	84.25	17.75	0				86.93	17.67	0	103.24	17.66	0	84.62 ²	16.69	0
17-Dec-15	83.76	18.24	0				86.36	18.24	0	102.56	18.34	0	83.18	18.13	0
20-Jan-16	83.31	18.69	0				85.97	18.63	0	102.21	18.69	0	Obstructed	NT	NT
17-Feb-16	83.17	18.83	0				85.81	18.79	0	102.10	18.80	0	Obstructed	NT	NT
15-Mar-16	82.89	19.11	0				85.60	19.00	0	101.82	19.08	0	82.26	19.05	0
20-Apr-16	82.97	19.03	0				85.63	18.97	0	101.91	18.99	0	82.31	19.00	0
23-May-16	83.14	18.86	0				85.81	18.79	0	102.03	18.87	0	82.50	18.81	0
21-Jun-16	83.16	18.84	0				85.77	18.83	0	102.03	18.87	0	82.54	18.77	0
20-Jul-16	83.32	18.68	0				85.99	18.61	0	102.31	18.59	0	82.63	18.68	0
23-Aug-16	83.27	18.73	0				85.96	18.64	0	102.20	18.70	0	82.63	18.68	0
21-Sep-16	83.13	18.87	0				85.74	18.86	0	102.06	18.84	0	82.44	18.87	0
19-Oct-16	83.01	18.99	0				85.69	18.91	0	101.95	18.95	0	82.39	18.92	0
17-Nov-16	82.92	19.08	0				85.56	19.04	0	101.82	19.08	0	82.24	19.07	0
20-Dec-16	82.67	19.33	0				85.36	19.24	0	101.61	19.29	0	82.01	19.30	0
31-Jan-17	82.45	19.55	0				85.13	19.47	0	101.46	19.44	0	82.04	19.27	0
22-Feb-17	82.37	19.63	0				85.01	19.59	0	101.31	19.59	0	81.72	19.59	0
24-Mar-17	82.49	19.51	0				85.19	19.41	0	101.45	19.45	0	81.84	19.47	0
20-Apr-17	82.59	19.41	0				85.25	19.35	0	101.5	19.40	0	81.94	19.37	0
26-May-17	82.45	19.55	0				85.13	19.47	0	101.39	19.51	0	81.80	19.51	0
22-Jun-17	82.94	19.06	0				85.59	19.01	0	101.89	19.01	0	82.30	19.01	0
21-Jul-17	83.43	18.57	0				86.5	18.10	0	Transducer Installed	NT	NT	82.81	18.50	0
20-Mar-18	83.56	18.44	0				86.24	18.36	0	102.55	18.35	0	82.89	18.42	0
25-Apr-18	83.47	18.53	0				86.14	18.46	0	102.38	18.52	0	82.86	18.45	0
22-May-18	83.61	18.39	0				86.29	18.31	0	102.56	18.34	0	82.97	18.34	0
20-Jun-18	83.63	18.37	0				86.34	18.26	0	102.57	18.33	0	82.99	18.32	0
25-Jul-18	83.55	18.45	0				86.33	18.27	0	102.58	18.32	0	82.90	18.41	0
21-Aug-18	Transducer Installed	NT	NT				86.32	18.28	0	102.58	18.32	0	Transducer Installed	NT	NT
30-Oct-18	82.64	19.36	0				85.34	19.26	0	101.58	19.32	0	81.99	19.32	0
24-Jan-19	82.30	19.70	0				84.96	19.64	0	101.22	19.68	0	81.66	19.65	0

Red Hill Oil/Water Interface Measurements January 2014 to Present

Date	RHMW01			RHMW01R			RHMW02			RHMW03			RHMW05		
	Elevation = 101.9955 ft ¹			Elevation = 101.7570 ft			Elevation = 104.5970 ft ¹			Elevation = 120.8980 ft ¹			Elevation = 101.3102 ft ¹		
	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL	DTW (TOC)	SWL	LNAPL
26-Apr-19	82.45	19.55	0				85.18	19.42	0	101.41	19.49	0	81.88	19.43	0
29-Jul-19	82.67	19.33	0				85.34	19.26	0	101.57	19.33	0	82.06	19.25	0
29-Oct-19	83.15	18.85	0				85.84	18.76	0	102.19	18.71	0	82.09	19.22	0
31-Jan-20	Obstructed	NT	0				85.88	18.72	0	102.17	18.73	0	82.52	18.79	0
23-Apr-20	82.93	19.07	0				85.68	18.92	0	101.82	19.08	0	82.27	19.04	0
24-Jul-20	83.28	18.72	0				85.94	18.66	0	102.13	18.77	0	82.63	18.68	0
15-Oct-20	83.69	18.31	0				86.39	18.21	0	102.56	18.34	0	83.12	18.19	0
27-Jan-21	83.53	18.47	0				86.23	18.37	0	102.46	18.44	0	82.87	18.44	0
22-Apr-21	83.85	18.15	0				86.53	18.07	0	102.72	18.18	0	83.26	18.05	0
20-May-21	84.00	18.00	0				Obstructed	NT	NT	Obstructed	NT	NT	83.42	17.89	0
16-Jun-21	84.10	17.90	0				86.79	17.81	0	102.99	17.91	0	83.53	17.78	0
16-Jul-21	84.14	17.86	0				86.89	17.71	0	103.11	17.79	0	83.62	17.69	0
20-Aug-21				84.06	17.70	0	85.96	18.64	0	103.17	17.73	0	83.67	17.64	0
17-Sep-21				84.14	17.62	0	87.02	17.58	0	103.22	17.68	0	83.79	17.52	0
15-Oct-21				84.17	17.59	0	87.06	17.54	0	103.26	17.64	0	83.80	17.51	0
19-Nov-21				84.26	17.50	0	87.12	17.48	0	103.32	17.58	0	83.89	17.42	0
17-Dec-21				83.31	18.45	0	86.22	18.38	0	102.45	18.45	0	82.94	18.37	0
14-Jan-22				82.90	18.86	0	85.78	18.82	0	102.01	18.89	0	82.49	18.82	0
18-Feb-22				83.23	18.53	0	86.11	18.49	0	102.32	18.58	0	82.85	18.46	0
18-Mar-22				83.30	18.46	0	86.21	18.39	0	102.43	18.47	0	82.90	18.41	0
22-Apr-22 ³	83.40	18.60	0				86.16	18.44	0	104.26	16.64	0	82.85	18.46	0
19-May-22				83.20	18.56	0	86.10	18.50	0	102.35	18.55	0	82.80	18.51	0
17-Jun-22				83.27	18.49	0	86.18	18.42	0	102.39	18.51	0	82.90	18.41	0
15-Jul-22				83.44	18.32	0	86.35	18.25	0	102.57	18.33	0	83.07	18.24	0
19-Aug-22				83.64	18.12	0	86.53	18.07	0	102.75	18.15	0	83.24	18.07	0
16-Sep-22				83.82	17.94	0	87.45	17.15	0	102.90	18.00	0	83.44	17.87	0
20-Oct-22				83.85	17.91	0	86.72	17.88	0	102.95	17.95	0	83.85	17.46	0
21-Nov-22				83.59	18.17	0	86.73	17.87	0	102.96	17.94	0	83.50	17.81	0
20-Dec-22				83.67	18.09	0	85.58	19.02	0	102.8	18.10	0	83.30	18.01	0
17-Jan-23				85.53	16.23	0	82.62	21.98	0	102.9	18.00	0	83.30	18.01	0
14-Feb-23				83.67	18.09	0	86.60	18.00	0	102.81	18.09	0	83.28	18.03	0
21-Mar-23				83.69	18.07	0	86.59	18.01	0	103.02	17.88	0	83.33	17.98	0

Red Hill Oil/Water Interface Measurements January 2014 to Present

Notes:

1 - Elevations updated based on Well Elevation Survey Report, Red Hill Bulk Fuel Storage Facility (DON 2018)

2 - Dedicated groundwater pump obstructing path of interface meter probe; Depth measured based on elevation of water when pump removed from well (RHMW05)

3 - Measurement taken at RHMW01 versus RHMW01R in error

January 2014 to August 2015, Measurements recorded by Environmental Science International from unless otherwise noted

From September 2015, Measurements recorded by Element Environmental, LLC

* - Measurements recorded by NAVFAC HI.

All units in feet (ft).

DTW (TOC) - depth to water from top of well casing

LNAPL - light non-aqueous phase liquid

█ or NT - measurement not taken

SWL - static water level

***Appendix B.2.2 – Summary of NOI Free Product Gauging and Monitoring Well Headspace
Measurements for the May 2021 Release from May 12 through November 24, 2021***

Table B.2.2: Summary of Free Product Gauging and Monitoring Well Headspace Measurements for the May 6 Release from May 12 through November 24, 2022

DATE	RHMW01									RHMW01R								
	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^b (ft btoc)	(Yes/No)	(ft)		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^b (ft btoc)	(Yes/No)	(ft)
2021-05-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	15:53	2.2	0.1	83.64	N-1	-0.01	83.63	No	NA
2021-05-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	11:50	1.3	0.3	83.85 ^c	01-5920	0	83.85c	No	NA
2021-05-15	11:11	5.158	3.902	83.97	NA	NA	83.97	No	NA	11:03	5.158	0.378	83.76	NA	NA	83.76	No	NA
2021-05-16	11:05	4.463	3.508	83.87	NA	NA	83.87	No	NA	11:10	4.463	0	83.63	NA	NA	83.63	No	NA
2021-05-17	13:10	5.415	5.100	83.96	NA	NA	83.96	No	NA	13:04	5.170	0	83.73	NA	NA	83.73	No	NA
2021-05-18	13:07	2.53	2.15	83.95	NA	NA	83.95	No	NA	13:04	2.53	0	83.74	NA	NA	83.74	No	NA
2021-05-19	08:56	2.482	2.165	83.99	NA	NA	83.99	No	NA	08:59	2.482	0.200	83.78	NA	NA	83.78	No	NA
2021-05-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	14:00	0.3	0.0	83.71	N-1	-0.01	83.70	No	NA
2021-05-20	09:39	1.476	1.290	84.00	NA	NA	84.00	No	NA	09:42	1.476	0.204	NM	NM	NM	NM	NA	NA
2021-05-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	11:30	1.7	0.2	83.81	N-1	-0.01	83.80	No	NA
2021-05-21	07:24	1.562	1.378	84.03	NA	NA	84.03	No	NA	07:22	1.562	NM	NM	NA	NA	NM	NA	NA
2021-05-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	15:00	0.2	0.4	83.81	311836	NA	83.81 ^e	No	NA
2021-05-22	07:45	3.440	3.202	84.05	NA	NA	84.05	No	NA	07:50	3.440	0.227	83.84	NA	NA	83.84	No	NA
2021-05-23	06:26	1.322	1.188	83.96	NA	NA	83.96	No	NA	06:30	1.322	0.295	83.75	NA	NA	83.75	No	NA
2021-05-24	08:00	1.333	1.171	83.89	NA	NA	83.89	No	NA	08:04	1.333	0	83.66	NA	NA	83.66	No	NA
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	11:00	0.1	0.0	83.70	N-1	-0.01	83.69	No	NA
2021-05-25	08:42	1.023	0.829	83.96	NA	NA	83.96	No	NA	08:44	1.023	0.096	83.74	NA	NA	83.74	No	NA
2021-05-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021-05-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-26	07:24	1.898	1.697	83.95	NA	NA	83.95	No	NA	08:32	1.0	0.1	83.73	N-1	-0.01	83.72	No	NA
2021-05-27	10:08	3.978	2.650	84.03	NA	NA	84.03	No	NA	10:13	3.978	0	83.79	NA	NA	83.79	No	NA
2021-05-27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021-05-28	09:12	3.146	2.117	84.03	NA	NA	84.03	No	NA	08:30	0.6	0.0	83.77	N-1	-0.01	83.76	No	NA
2021-05-29	07:47	3.188	2.736	84.01	NA	NA	84.01	No	NA	07:47	3.188	0.590	83.78	NA	NA	83.78	No	NA
2021-05-30	06:46	1.143	1.029	84.02	NA	NA	84.02	No	NA	06:47	1.143	0.064	83.81	NA	NA	83.81	No	NA
2021-05-31	11:03	1.006	0.668	84.02	NA	NA	84.02	No	NA	08:05	0.0	0.0	83.77	N-1	-0.01	83.76	No	NA
2021-06-01	06:41	0.850	0.605	84.02	NA	NA	84.02	No	NA	06:39	0.850	0.200	83.81	NA	NA	83.81	No	NA
2021-06-02	06:08	1.008	0.580	84	NA	NA	84.00	No	NA	08:33	0.2	0.1	83.79	N-1	-0.01	83.78	No	NA
2021-06-03	08:39	2.507	1.855	84.04	NA	NA	84.04	No	NA	08:37	2.507	0.925	83.83	NA	NA	83.83	No	NA
2021-06-04	08:54	1.202	0.831	83.98	NA	NA	83.98	No	NA	09:30	0.1	0.2	83.76	N-1	-0.01	83.75	No	NA
2021-06-05	13:09	0.633	0.277	83.89	NA	NA	83.89	No	NA	13:10	0.633	0	83.67	NA	NA	83.67	No	NA
2021-06-06	07:18	0.686	0.574	83.97	NA	NA	83.97	No	NA	07:23	0.686	0.193	83.77	NA	NA	83.77	No	NA
2021-06-07	08:05	0.677	0.497	84.00	NA	NA	84.00	No	NA	08:04	0.0	0.0	83.72	N-1	-0.01	83.71	No	NA
2021-06-08	07:42	0.814	0.709	83.96	NA	NA	83.96	No	NA	07:50	0.814	0.285	83.78	NA	NA	83.78	No	NA
2021-06-09	08:14	0.889	0.737	84.03	NA	NA	84.03	No	NA	09:45	0.1	0.2	83.81	N-1	-0.01	83.80	No	NA
2021-06-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	08:00	0.0	0.2	83.82	N-1	-0.01	83.81	No	NA
2021-06-17	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	09:45	0.0	0.0	83.88	N-1	-0.01	83.87	No	NA
2021-06-24	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	10:00	0.2	0.1	83.83	N-1	-0.01	83.82	No	NA
2021-06-28	09:26	1.694	1.483	84.08	NA	NA	84.08	No	NA	09:23	1.699	0.475	83.87	NA	NA	83.87	No	NA
2021-06-30	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	08:43	0.3	0.2	83.85	N-1	-0.01	83.84	No	NA
2021-07-06	14:24	0.773	0.197	83.97	NA	NA	83.97	No	NA	14:18	0.773	0	83.75	NA	NA	83.75	No	NA
2021-07-08	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	10:20	0.1	0.2	83.91	N-1	-0.01	83.90	No	NA
7/12/2021 (see note)	08:56	19.010	19.680	84.15	NA	NA	84.15	No	NA	09:01	19.110	0.569	83.92	NA	NA	83.92	No	NA

Table B.2.2: Summary of Free Product Gauging and Monitoring Well Headspace Measurements for the May 6 Release from May 12 through November 24, 2021 (cont'd)

2021-07-15	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	10:05	0.0	0.1	83.96	N-1	-0.01	83.95	No	NA
2021-07-19	13:22	0.960	0.385	84.15	NA	NA	84.15	No	NA	13:25	0.960	0	83.93	NA	NA	83.93	No	NA
2021-07-22	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	10:08	0.1	0.2	84.04	N-1	-0.01	84.03	No	NA
2021-07-26	07:45	0.338	0	83.91	NA	NA	83.91	No	NA	07:41	0.338	0.215	84.12	NA	NA	84.12	No	NA
2021-07-29	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	11:05	0.0	0	83.98	N-1	-0.01	83.97	No	NA
2021-08-02	NC	NC	NC	NC3	NC3	NC3	NC3	NC3	NC3	09:36	1.451	0.737	83.95	NA	NA	83.95	No	NA
2021-08-05	07:10	0.11 (see note)	0.038 (see note)	NC3	NC3	NC3	NC3	NC3	NC3	09:55	0.0	0.0	84.03	N-1	-0.01	84.02	No	NA
2021-08-09	07:35	0.315	0.318	NC3	NC3	NC3	NC3	NC3	NC3	07:27	0.315	0.115	83.95	NA	NA	83.95	No	NA
2021-08-12	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	09:33	0.0	0.0	84.07	N-1	-0.01	84.06	No	NA
2021-08-16	11:39	0.418	0.386	NC3	NC3	NC3	NC3	NC3	NC3	11:42	0.419	0.423	84.11	NA	NA	84.11	No	NA
2021-08-19	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	09:50	0.1	0.2	84.02	N-1	-0.01	84.01	No	NA
2021-08-23	15:15	0.795	0.746	NC3	NC3	NC3	NC3	NC3	NC3	15:20	0.800	0	83.90	NA	NA	83.90	No	NA
2021-08-26	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	09:50	0.0	0.0	84.01	N-1	-0.01	84.00	No	NA
2021-08-30	10:51	1.032	0.93	NC3	NC3	NC3	NC3	NC3	NC3	10:54	1.027	0.500	83.99	NA	NA	83.99	No	NA
2021-09-01	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	09:30	0.0	1.4	84.09	N-1	-0.01	84.08	No	NA
2021-09-07	12:10	0.135	0.107	NC3	NC3	NC3	NC3	NC3	NC3	12:01	0.131	0 (see note)	84.00	NA	NA	84.00	No	NA
2021-09-08	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	09:35	0.0	0.1	84.09	N-1	-0.01	84.08	No	NA
2021-09-13	10:58	0.195	0.181	NC3	NC3	NC3	NC3	NC3	NC3	10:55	0.187	0	83.91	NA	NA	83.91	No	NA
2021-09-15	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	10:05	0.1	0.1	84.03	N-1	-0.01	84.02	No	NA
2021-09-20	NC	NC	NC	NC3	NC3	NC3	NC3	NC3	NC3	08:57	0.412	0	83.99	NA	NA	83.99	No	NA
2021-09-22	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	09:52	0.1	0.1	83.98	N-1	-0.01	83.97	No	NA
2021-09-23	09:38	0.267	0.207	NC3	NC3	NC3	NC3	NC3	NC3	NC	NC	NC	NC	NC	NC	NC	NC	NC
2021-09-27	08:02	0.120	0.125	NC3	NC3	NC3	NC3	NC3	NC3	08:01	0.120	0 (see note)	84.07	NA	NA	84.07	No	NA
2021-09-29	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	09:52	0.0	0.0	84.11	N-1	-0.01	84.10	No	NA
2021-10-04	15:24	0.956	0.952	NC3	NC3	NC3	NC3	NC3	NC3	15:20	0.997	0	83.93	NA	NA	83.93	No	NA
2021-10-06	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	10:00	0.0	0.1	84.06	N-1	-0.01	84.05	No	NA
2021-10-12	12:11	0.139	0.129	NC3	NC3	NC3	NC3	NC3	NC3	12:19	0.140	0.093	84.11	NA	NA	84.11	No	NA
2021-10-13	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	10:30	0.1	0.2	84.09	N-1	-0.01	84.08	No	NA
2021-10-20	10:28	0.0	0.0	84.37	N-1	-0.01	84.36	No	NA	10:59	0.0	0.1	84.14	N-1	-0.01	84.13	No	NA
2021-10-27	09:35	0.1	0.1	84.42	N-1	-0.01	84.41	No	NA	09:33	0.1	0.1	84.19	N-1	-0.01	84.18	No	NA
2021-11-03	10:20	0.0	0.0	NC3	NC3	NC3	NC3	NC3	NC3	10:30	0.1	0.2	84.19	N-1	-0.01	84.18	No	NA
2021-11-10	11:40	0.0	0.1	NC3	NC3	NC3	NC3	NC3	NC3	11:43	0.0	0.0	84.16	N-1	-0.01	84.15	No	NA
2021-11-17	11:35	0.0	0.0	NC3	NC3	NC3	NC3	NC3	NC3	11:38	0.0	0.1	84.16	N-1	-0.01	84.15	No	NA
2021-11-24	10:05	0.0	0.0	NC3	NC3	NC3	NC3	NC3	NC3	10:03	0.0	0.0	84.29	N-1	-0.01	84.28	No	NA
2021-12-01	10:40	0.2	0.2	NC3	NC3	NC3	NC3	NC3	NC3	*	*	*	*	*	*	*	*	*
2021-12-08	10:53	0.1	0.1	NC3	NC3	NC3	NC3	NC3	NC3	*	*	*	*	*	*	*	*	*

Table B.2.2: Summary of Free Product Gauging and Monitoring Well Headspace Measurements for the May 6 Release from May 12 through November 24, 2021 (cont'd)

DATE	RHMW02									RHMW03								
	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^b (ft btoc)	(Yes/No)	(ft)		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^b (ft btoc)	(Yes/No)	(ft)
2021-05-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-13	10:00	1.1	0.1	86.69	N-1	-0.07	86.62	No	NA	10:30	0.8	0.1	103.23	N-2	-0.05	103.18	No	NA
2021-05-15	11:23	4.833	0.594	86.66	NA	-0.06	86.60	No	NA	11:28	3.985	0.413	102.88	NA	-0.04	102.84	No	NA
2021-05-16	11:23	4.054	0	86.57	NA	-0.06	86.51	No	NA	11:43	3.548	0.036	102.79	NA	-0.04	102.75	No	NA
2021-05-17	13:28	7.511	0.174	86.62	NA	-0.06	86.56	No	NA	13:36	3.314	0.280	102.83	NA	-0.04	102.79	No	NA
2021-05-18	13:15	5.056	0	86.66	NA	-0.06	86.60	No	NA	13:24	0.965	0	102.87	NA	-0.04	102.83	No	NA
2021-05-19	09:07	1.926	0.270	86.68	NA	-0.06	86.62	No	NA	09:17	1.149	0.105	102.94	NA	-0.04	102.90	No	NA
2021-05-19	16:00	0.1	0.0	86.67	N-1	-0.07	86.60	No	NA	16:20	0.1	0.0	102.91	N-1	-0.05	102.86	No	NA
2021-05-20	09:47	1.040	0.180	NM	NM	NM	NM	NA	NA	11:28	0.811	0.068	NM	NM	NM	NM	NA	NA
2021-05-20	10:15	0.7	0.0	86.68	N-1	-0.07	86.61	No	NA	12:10	1.1	0.0	102.89	N-1	-0.05	102.84	No	NA
2021-05-21	10:56	1.339	0.202	86.74	NA	-0.06	86.68	No	NA	10:48	0.689	0.181	102.95	NA	-0.04	102.91	No	NA
2021-05-21	15:40	0.1	0.1	86.72	311836	-0.06	86.66 ^c	No	NA	16:22	0.1	0	102.94	311836	-0.04	102.9 ^c	No	NA
2021-05-22	09:45	3.386	0.590	86.73	NA	-0.06	86.67	No	NA	12:46	4.060	0.507	102.97	NA	-0.04	102.93	No	NA
2021-05-23	07:37	0.948	0.063	86.66	NA	-0.06	86.60	No	NA	09:43	0.595	0.113	102.86	NA	-0.04	102.82	No	NA
2021-05-24	09:05	1.076	0.140	86.59	NA	-0.06	86.53	No	NA	11:29	2.228	0.370	102.87	NA	-0.04	102.83	No	NA
2021-05-24	12:45	0.3	0.1	86.64	N-1	-0.07	86.57	No	NA	NC1	NC1	NC1	NC1	NC1	N1	NC1	NC1	NC1
2021-05-25	10:01	0.945	16.19 (see note)	86.65	NA	-0.06	86.59	No	NA	11:53	2.09	0.552	102.88	NA	-0.04	102.84	No	NA
2021-05-25	12:51	1.291	0.295	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021-05-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	14:40	0.0	0.0	102.85			102.85	No	NA
2021-05-26	10:38	3.2	0.3	86.66	N-1	-0.07	86.59	No	NA	14:00	0.1	0.0	102.86	N-1	-0.05	102.81	No	NA
2021-05-27	11:25	5.484	14.43 (see note)	86.71	NA	-0.06	86.65	No	NA	13:24	0.400	0	102.93	NA	-0.04	102.89	No	NA
2021-05-27	11:25	-	0.156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021-05-28	11:00	2.5	0.3	86.67	N-1	-0.07	86.60	No	NA	14:05	0.4	0.0	102.91	N-1	-0.05	102.86	No	NA
2021-05-29	09:24	2.890	0.640	86.69	NA	-0.06	86.63	No	NA	11:42	2.451	0.746	102.93	NA	-0.04	102.89	No	NA
2021-05-30	07:45	1.930	0.335	86.72	NA	-0.06	86.66	No	NA	09:54	1.372	0.881	102.98	NA	-0.04	102.94	No	NA
2021-05-31	09:39	0.0	0.0	86.68	N-1	-0.07	86.61	No	NA	11:19	0.1	0.0	102.91	N-1	-0.05	102.86	No	NA
2021-06-01	07:38	0.776	0.800	86.77	NA	-0.06	86.71	No	NA	09:43	0.428	0.212	102.97	NA	-0.04	102.93	No	NA
2021-06-02	10:17	0.3	0.1	86.74	N-1	-0.07	86.67	No	NA	11:54	0.2	0.0	102.95	N-1	-0.05	102.90	No	NA
2021-06-03	09:39	2.434	0.897	86.74	NA	-0.06	86.68	No	NA	11:36	2.784	1.295	102.83	NA	-0.04	102.79	No	NA
2021-06-04	10:50	0.7	0.2	86.66	N-1	-0.07	86.59	No	NA	11:57	0.6	0.2	102.98	N-1	-0.05	102.93	No	NA
2021-06-05	14:15	0.292	0	86.60	NA	-0.06	86.54	No	NA	16:01	0	0	102.95	NA	-0.04	102.91	No	NA
2021-06-06	08:37	0.582	0.237 (see note)	86.66	NA	-0.06	86.60	No	NA	10:50	0.466	0.233	102.84	NA	-0.04	102.80	No	NA
2021-06-07	09:18	0.2	0.4	86.63	N-1	-0.07	86.56	No	NA	10:20	0.2	0.0	102.90	N-1	-0.05	102.85	No	NA
2021-06-08	08:55	1.321	0.464	86.69	NA	-0.06	86.63	No	NA	11:17	1.818	7.300	102.85	NA	-0.04	102.81	No	NA
2021-06-09	10:44	0.1	0.0	86.70	N-1	-0.07	86.63	No	NA	11:31	0.0	0.0	103.02	N-1	-0.05	102.97	No	NA
2021-06-11	09:00	0.2	0.0	86.74	N-1	-0.07	86.67	No	NA	09:55	0.0	0.0	102.97	N-1	-0.05	102.92	No	NA
2021-06-17	10:45	0.0	0.2	86.79	N-1	-0.07	86.72	No	NA	12:06	0.0	0.0	103.00	N-1	-0.05	102.95	No	NA
2021-06-24	11:00	0.0	0.0	86.76	N-1	-0.07	86.69	No	NA	12:00	0.3	5.1	102.98	N-1	-0.05	102.93	No	NA
2021-06-28	09:48	1.485	3.354	86.76	NA	-0.06	86.70	No	NA	10:58	1.280	11.000	102.98	NA	-0.04	102.94	No	NA
2021-06-30	10:18	0.0	0.4	86.67	N-1	-0.07	86.60	No	NA	12:58	0.0	0.0	103.26	N-1	-0.05	103.21	No	NA
2021-07-06	14:30	0.594	0	86.67	NA	-0.06	86.61	No	NA	15:22	0.055	0	102.88	NA	-0.04	102.84	No	NA
2021-07-08	11:51	0	0.4	86.81	N-1	-0.07	86.74	No	NA	12:53	0.1	0.0	103.07	N-1	-0.05	103.02	No	NA
7/12/2021 (see note)	09:16	16.280	0.351	86.83	NA	-0.06	86.77	No	NA	10:08	1.032	0.131	103.10	NA	-0.04	103.06	No	NA

Table B.2.2: Summary of Free Product Gauging and Monitoring Well Headspace Measurements for the May 6 Release from May 12 through November 24, 2021 (cont'd)

2021-07-15	11:00	0.0	0.9	86.87	N-1	-0.07	86.80	No	NA	12:15	0.0	0.0	103.19	N-1	-0.05	103.14	No	NA
2021-07-19	13:39	0.450	0	86.85	NA	-0.06	86.79	No	NA	14:36	0.316	0	102.46	NA	-0.04	102.42	No	NA
2021-07-22	11:03	0.1	0.5	86.92	N-1	-0.07	86.85	No	NA	11:58	0.1	1.4	103.31	N-1	-0.05	103.26	No	NA
2021-07-26	07:53	0.205	0.483 (see note)	86.83	NA	-0.06	86.77	No	NA	08:07	0.058	0	102.93	NA	-0.04	102.89	No	NA
2021-07-29	12:18	0.0	0.5	86.90	N-1	-0.07	86.83	No	NA	13:22	0.2	1.4	103.11	N-1	-0.05	103.06	No	NA
2021-08-02	10:49	1.282	0.652	86.89	NA	-0.06	86.83	No	NA	10:36	1.086	0.331	103.00	NA	-0.04	102.96	No	NA
2021-08-05	11:00	0.0	0.3	86.93	N-1	-0.07	86.86	No	NA	12:03	0.0	0.6	103.16	N-1	-0.05	103.11	No	NA
2021-08-09	07:40	0.256	1.276 (see note)	86.48	NA	-0.06	86.42	No	NA	08:06	0.198	0.054	103.90	NA	-0.04	103.86	No	NA
2021-08-12	10:35	0.0	0.8	86.96	N-1	-0.07	86.89	No	NA	11:42	0.0	0.1	103.17	N-1	-0.05	103.12	No	NA
2021-08-16	12:22	0.321	0.214 (see note)	86.98	NA	-0.06	86.92	No	NA	12:10	0.338	0	103.22	NA	-0.04	103.18	No	NA
2021-08-19	11:20	0.2	0.3	86.95	N-1	-0.07	86.88	No	NA	12:20	0.1	0.1	103.18	N-1	-0.05	103.13	No	NA
2021-08-23	15:40	0.773	22.640	86.83	NA	-0.06	86.77	No	NA	16:12	0.834	0.113	103.04	NA	-0.04	103.00	No	NA
2021-08-26	11:17	0.0	0.2	86.88	N-1	-0.07	86.81	No	NA	12:25	0.0	2.0	103.11	N-1	-0.05	103.06	No	NA
2021-08-30	11:04	1.062	0.362 (see note)	86.91	NA	-0.06	86.85	No	NA	11:12	1.156	0.215	103.11	NA	-0.04	103.07	No	NA
2021-09-01	10:42	0.0	0.2	86.97	N-1	-0.07	86.90	No	NA	11:45	0.0	0.2	103.17	N-1	-0.05	103.12	No	NA
2021-09-07	12:22	0.061	0.137 (see note)	86.93	NA	-0.06	86.87	No	NA	12:38	0.02	0.245	103.24	NA	-0.04	103.20	No	NA
2021-09-08	11:25	0.0	0.4	86.97	N-1	-0.07	86.90	No	NA	13:05	0.0	0.0	103.10	N-1	-0.05	103.05	No	NA
2021-09-13	11:16	0.137	1.03 (see note)	86.84	NA	-0.06	86.78	No	NA	11:29	0.108	0.157	103.07	NA	-0.04	103.03	No	NA
2021-09-15	13:00	0.1	1.2	86.89	N-1	-0.07	86.82	No	NA	13:57	0.1	0.1	103.16	N-1	-0.05	103.11	No	NA
2021-09-20	09:08	0.061	1.241	86.95	NA	-0.06	86.89	No	NA	10:02	0.030	0.049	103.3	NA	-0.04	103.26	No	NA
2021-09-22	11:25	0.1	0.4	86.88	N-1	-0.07	86.81	No	NA	12:40	0.0	0.0	103.12	N-1	-0.05	103.07	No	NA
2021-09-23	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
2021-09-27	08:10	0.068	0.868 (see note)	87.01	NA	-0.06	86.95	No	NA	08:20	0.057	0.157	103.17	NA	-0.04	103.13	No	NA
2021-09-29	11:00	0.0	0.3	86.94	N-1	-0.07	86.87	No	NA	11:40	0.0	0.0	103.14	N-1	-0.05	103.09	No	NA
2021-10-04	15:30	0.459	0	86.89	NA	-0.06	86.83	No	NA	15:52	0.060	0	103.12	NA	-0.04	103.08	No	NA
2021-10-06	11:10	0.1	1.9	86.98	N-1	-0.07	86.91	No	NA	12:45	0.0	0.1	103.18	N-1	-0.05	103.13	No	NA
2021-10-12	12:28	0.078	0	87.03	NA	-0.06	86.97	No	NA	13:30	0.142	0.042	103.19	NA	-0.04	103.15	No	NA
2021-10-13	11:40	0.1	1.2	87.04	N-1	-0.07	86.97	No	NA	12:40	0.2	0.1	103.22	N-1	-0.05	103.17	No	NA
2021-10-20	12:20	0.0	0.0	87.04	N-1	-0.07	86.97	No	NA	13:48	0.0	0.0	103.22	N-1	-0.05	103.17	No	NA
2021-10-27	10:27	0.5	3.1	87.09	N-1	-0.07	87.02	No	NA	11:18	0.1	0.1	103.28	N-1	-0.05	103.23	No	NA
2021-11-03	11:27	0.1	0.0	87.04	N-1	-0.07	86.97	No	NA	12:35	0.0	0.1	103.23	N-1	-0.05	103.18	No	NA
2021-11-10	13:38	0.0	0.0	87.04	N-1	-0.07	86.97	No	NA	15:17	0.0	0.0	103.28	N-1	-0.05	103.23	No	NA
2021-11-17	13:23	0.0	0.0	87.04	N-1	-0.07	86.97	No	NA	15:05	0.0	0.0	103.29	N-1	-0.05	103.24	No	NA
2021-11-24	11:08	0.0	0.0	87.15	N-1	-0.07	87.08	No	NA	12:10	0.0	0.0	103.37	N-1	-0.05	103.32	No	NA
2021-12-01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2021-12-08	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Table B.2.2: Summary of Free Product Gauging and Monitoring Well Headspace Measurements for the May 6 Release from May 12 through November 24, 2021 (cont'd)

DATE	RHMW05								
	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^b (ft btoc)	(Yes/No)	(ft)
2021-05-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-15	10:48	5.094	0.345	83.38	NA	-0.01	83.37	No	NA
2021-05-16	10:49	4.753	0	83.24	NA	-0.01	83.23	No	NA
2021-05-17	13:18	5.601	0.140	83.33	NA	-0.01	83.32	No	NA
2021-05-18	12:56	2.174	0	83.39	NA	-0.01	83.38	No	NA
2021-05-19	08:48	2.556	0.260	83.48	NA	-0.01	83.47	No	NA
2021-05-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-20	09:31	1.622	0.130	83.42	NA	-0.01	83.41	No	NA
2021-05-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-21	07:17	1.456	0.080	83.44	NA	-0.01	83.43	No	NA
2021-05-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-22	07:34	3.525	0.152	83.44	NA	-0.01	83.43	No	NA
2021-05-23	06:20	1.419	0.146	83.36	NA	-0.01	83.35	No	NA
2021-05-24	07:52	1.395	0	83.27	NA	-0.01	83.26	No	NA
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-25	08:35	1.074	0.113	83.36	NA	-0.01	83.35	No	NA
2021-05-25	-	-	-	-	-	-	-	-	-
2021-05-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-26	07:17	1.983	0.055	83.34	NA	-0.01	83.33	No	NA
2021-05-27	10:02	5.871	0	83.43	NA	-0.01	83.42	No	NA
2021-05-27	-	-	-	-	-	-	-	-	-
2021-05-28	09:07	3.167	0	83.42	NA	-0.01	83.41	No	NA
2021-05-29	07:38	2.992	0.056	83.42	NA	-0.01	83.41	No	NA
2021-05-30	06:38	1.205	0	83.42	NA	-0.01	83.41	No	NA
2021-05-31	10:58	0.955	0.0	83.42	NA	-0.01	83.41	No	NA
2021-06-01	06:29	1.003	0	83.44	NA	-0.01	83.43	No	NA
2021-06-02	06:02	1.05	0	83.4	N-1	-0.02	83.38	No	NA
2021-06-03	08:19	2.369	0.092	83.45	NA	-0.01	83.44	No	NA
2021-06-04	08:42	1.155	0.184	83.39	NA	-0.01	83.38	No	NA
2021-06-05	12:53	0.723	0	83.25	NA	-0.01	83.24	No	NA
2021-06-06	07:03	0.836	0	83.36	NA	-0.01	83.35	No	NA
2021-06-07	07:53	0.743	0	83.37	NA	-0.01	83.36	No	NA
2021-06-08	07:31	0.950	0	83.36	NA	-0.01	83.35	No	NA
2021-06-09	08:01	1.042	0	83.41	NA	-0.01	83.40	No	NA
2021-06-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-17	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-06-24	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-06-28	09:02	1.683	0	83.5	NA	-0.01	83.49	No	NA
2021-06-30	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-07-06	14:04	0.689	0	83.33	NA	-0.01	83.32	No	NA
2021-07-08	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
7/12/2021 (see note)	08:48	23.860	0	83.54	NA	-0.01	83.53	No	NA

Table B.2.2: Summary of Free Product Gauging and Monitoring Well Headspace Measurements for the May 6 Release from May 12 through November 24, 2021 (cont'd)

2021-07-15	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-07-19	13:10	1.361	0	83.55	NA	-0.01	83.54	No	NA
2021-07-22	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-07-26	07:29	0.332	0	83.55	NA	-0.01	83.54	No	NA
2021-07-29	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-08-02	09:25	1.311	0.141	83.61	NA	-0.01	83.60	No	NA
2021-08-05	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-08-09	07:14	0.278	0	83.58	NA	-0.01	83.57	No	NA
2021-08-12	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-08-16	11:27	0.407	0	83.77	NA	-0.01	83.76	No	NA
2021-08-19	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-08-23	14:50	0.799	0	83.51	NA	-0.01	83.50	No	NA
2021-08-26	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-08-30	10:44	0.976	0	83.56	NA	-0.01	83.55	No	NA
2021-09-01	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-09-07	11:50	0.106	0	83.64	NA	-0.01	83.63	No	NA
2021-09-08	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-09-13	10:40	0.152	0	83.52	NA	-0.01	83.51	No	NA
2021-09-15	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-09-20	08:50	0.135	0	83.63	NA	-0.01	83.62	No	NA
2021-09-22	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-09-23	NC	NC	NC	NC	NC	NC	NC	NC	NC
2021-09-27	07:47	0.105	0	83.64	NA	-0.01	83.63	No	NA
2021-09-29	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
2021-10-04	15:10	1.231	0	83.52	NA	-0.01	83.51	No	NA
2021-10-06	08:50	0.0	0.0	83.68	N-1	-0.02	83.66	No	NA
2021-10-12	12:06	0.125	0	83.74	NA	-0.01	83.73	No	NA
2021-10-13	09:05	0.1	0.1	83.71	N-1	-0.02	83.69	No	NA
2021-10-20	08:57	0.0	0.0	83.78	N-1	-0.02	83.76	No	NA
2021-10-27	08:30	0.1	0.0	83.84	N-1	-0.02	83.82	No	NA
2021-11-03	09:23	0.0	0.0	83.80	N-1	-0.02	83.78	No	NA
2021-11-10	09:50	0.0	0.0	83.79	N-1	-0.02	83.77	No	NA
2021-11-17	10:18	0.1	0.0	83.77	N-1	-0.02	83.75	No	NA
2021-11-24	08:55	0.0	0.0	83.93	N-1	-0.02	83.91	No	NA
2021-12-01	*	*	*	*	*	*	*	*	*
2021-12-08	*	*	*	*	*	*	*	*	*

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

NA = Not applicable

NM = No measurement taken, due to equipment installed in well.

ppmv = parts-per-million, volume

NC - Not collected

NC1 - Not collected due to headspace and fuel product gauging occurring only where groundwater sampling was being conducted.

NC2 - Not collected - monitoring well not being sampled for groundwater in the DOH Transition Plan.

NC3 - Fuel product gauging not conducted at RHMW01 per email correspondence from DOH on 7/27/2021

* - See next tab for continuation of results

^a Ants around RHMW04. Team sprayed isopropyl alcohol in order to get ants off lid. Reading was high due to residual alcohol.

^b Depth to water measurements are corrected for water level meter calibrations and horizontal well displacement, see correction factor tables for corrections factors and corrected values per water level meter and well. Solinst N-1 and Solinst N-2 water level corrections are forthcoming and will be included once available. Table includes depths taken by subcontractor Element. Depths recorded by Element do not have water level meter corrections that can be applied. Well displacement corrections are applied to depths taken by Element. meters calibrated by USGS, calibrations published in the "Results from calibration of groundwater-level measuring tapes" letter dated January 24, 2020. RHMW02, RHMW03, and RHMW05 have well displacement corrections. RHMW01R well displacement

^c measured with oil/water probe

Notes:

5/25/2021: Initial headspace reading at RHMW02 was unusually high. No signs of fuel product (sheen or odor) were observed during fuel product gauging. Returned to verify headspace reading and it was significantly lower, as shown in the second set of results.

5/27/2021: Initial headspace reading at RHMW02 was ~14.43 ppmv, but dropped to 0.156 ppmv. No fuel product measured.

6/6/2021: Immediate headspace reading was 3.316 ppmv, but dropped quickly to value recorded.

7/12/2021 Strong background chemical odor related to contractor work at Tank 13.

7/26/2021: Initial headspace reading was ~11.33 ppmv, but dropped quickly to 0.483 ppmv. No fuel product measured.

8/5/2021: Headspace and breathing zone PID readings taken at RHMW01 due to inadvertently being excluded on 8/2/2021.

8/9/2021: Initial headspace reading was ~22.35 ppm, but dropped quickly to value recorded.

8/16/2021: Initial headspace reading was 7.621 ppm, but dropped quickly to value recorded.

8/30/2021: Initial headspace reading was 5.032 ppm, but dropped to value recorded.

9/7/2021: Initial headspace reading at RHMW01R was 0.910 ppm, but dropped to value recorded. Initial headspace reading at RHMW02 was 4.521 ppm, but dropped to value recorded.

9/13/2021: Initial headspace reading at RHMW01R was ~14.1 ppm, but dropped to value recorded.

9/27/2021: Initial headspace reading at RHMW01R was 0.600 ppm, but dropped to value recorded. Initial headspace reading at RHMW02 was 5.806 ppm, with strong sulfur odor, but dropped to value recorded.

Additional Sampling 09/29/2021-10/04/2021

Well Name	Date	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
			(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^b (ft btoc)		
RHMW05	2021-09-29	08:50	0.0	0.0	83.66	N-1	-0.02	83.64	No	NA
RHMW19	9-30-2021	09:05	0.0	0.0	427.30	N-2	-0.06	427.24	No	NA
RHMW10	9-30-2021	11:17	0.0	0.0	478.33	N-2	-0.15	478.18	No	NA
RHMW09	9-30-2021	12:50	0.0	0.0	378.32	N-2	-0.29	378.03	No	NA
RHMW08	9-30-2021	14:35	0.0	0.0	293.14	N-2	-0.07	293.07	No	NA
RHMW04	2021-10-01	08:25	0.0	9.0 ⁽¹⁾	294.59	N-2	-0.06	294.53	No	NA
RHMW06	2021-10-01	10:00	0.0	0.0	241.76	N-2	-0.04	241.72	No	NA
RHMW16	2021-10-01	11:25	0.0	0.0	202.46	N-2	-0.03	202.43	No	NA
OWDFMW01	2021-10-01	12:38	0.0	0.0	120.70	N-2	-0.05	120.65	No	NA
RHMW12A	2021-10-04	09:04	0.0	0.1	221.41	N-2	-0.03	221.38	No	NA

***Appendix B.2.3 – Summary of NOI and Delineation Well Free Product Gauging and Monitoring Well
Headspace Measurements from November 28, 2021 through April 17, 2023***

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW01R									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^{d,e} (ft btoc)	(Yes/No)	(ft)
12/1/2021	10:35	0.2	0.0	83.83	N-1	-0.01	83.82	No	NA
12/8/2021	10:52	0.1	0.3	83.45	N-1	-0.01	83.44	No	NA
12/15/2021	13:00	0.0	0.1	83.28	N-1	-0.01	83.27	No	NA
12/20/2021	11:03	0.0	0.0	83.20	N-1	-0.01	83.19	No	NA
12/27/2021	11:23	0.2	9.8	83.18	N-1	-0.01	83.17	No	NA
1/3/2022	11:35	0.0	287.7	82.99	N-1	-0.01	82.98	No	NA
1/10/2022	11:35	0.0	0.0	82.86	N-1	-0.01	82.85	No	NA
1/17/2022	11:13	0.0	0.0	82.77	N-1	-0.01	82.76	No	NA
1/24/2022	12:16	0.2	0.1	82.83	N-1	-0.01	82.82	No	NA
2/3/2022	09:08	0.1	0.0	83.23	N-1	-0.01	83.22	Yes ^c	0.01 ^c
2/10/2022	08:55	0.0	0.0	83.21	N-2	-0.01	83.20	No	NA
2/16/2022	11:08	0.4	0.0	83.25	N-2	-0.01	83.24	No	NA
2/23/2022	08:50	0.0	0.0	83.26	N-1	-0.01	83.25	No	NA
3/2/2022	11:27	0.0	0.0	83.28 ^b	01-5920	0.00	83.28 ^b	Yes ^c	0.01 ^c
3/8/2022	08:48	0.0	0.0	83.31	N-3	-0.05	83.26	No	NA
3/15/2022	10:05	0.0	0.0	83.36	N-4	-0.08	83.28	No	NA
3/22/2022	09:50	0.0	0.0	83.32	N-3	-0.05	83.27	No	NA
3/31/2022	11:45	0.0	0.0	83.31	N-4	-0.08	83.23	No	NA
4/5/2022	09:47	0.2	0.0	83.26	N-4	-0.08	83.18	No	NA
4/26/2022	09:45	0.0	0.0	83.28	N-4	-0.08	83.20	No	NA
5/3/2022	09:45	0.1	0.0	83.27	N-4	-0.08	83.19	No	NA
5/9/2022	08:50	0.4	0.0	83.27	N-4	-0.08	83.19	No	NA
5/17/2022	09:45	0.0	0.0	83.23	N-3	-0.05	83.18	No	NA
5/24/2022	09:20	0.0	0.0	83.24	N-4	-0.08	83.16	No	NA
5/31/2022	10:33	0.0	0.0	83.24	N-4	-0.08	83.16	No	NA
6/7/2022	09:41	0.0	0.0	83.30	N-3	-0.05	83.25	No	NA
6/14/2022	09:45	0.1	0.0	83.31	N-3	-0.05	83.26	No	NA
6/21/2022	10:05	0.0	0.0	83.31	N-1	-0.01	83.30	No	NA
6/29/2022	09:18	0.1	0.0	83.43	N-4	-0.08	83.35	No	NA
7/6/2022	09:35	0.2	0.0	83.42	N-4	-0.08	83.34	No	NA
7/12/2022	09:36	0.2	0.0	83.49	N-4	-0.08	83.41	No	NA
8/2/2022	10:20	0.0	0.0	83.57	N-4	-0.08	83.49	No	NA
8/9/2022	09:37	0.0	0.0	83.64	N-4	-0.08	83.56	No	NA
8/16/2022	09:34	0.1	0.0	83.65	N-4	-0.08	83.57	No	NA
8/23/2022	09:55	0.0	0.0	83.72	N-4	-0.08	83.64	No	NA
8/30/2022	10:25	0.0	0.0	83.81	N-4	-0.08	83.73	No	NA
9/6/2022	11:15	0.1	0.0	83.76	N-3	-0.05	83.71	No	NA
9/13/2022	10:20	0.1	0.2	83.82	N-3	-0.05	83.77	No	NA
9/20/2022	11:25	0.1	0.0	83.79	01-8854	-0.07	83.72 ^f	No	NA
9/27/2022	10:55	0.0	0.0	83.78	N-3	-0.05	83.73	No	NA
10/4/2022	09:52	0.1	0.1	83.85	N-4	-0.08	83.77	No	NA
10/18/2022	10:23	0.0	0.0	83.84	N-3	-0.05	83.79	No	NA
10/20/2022	10:09	0.0	0.2	83.85	N-4	-0.08	83.77	No	NA
10/25/2022	15:15	0.0	0.0	83.85	N-3	-0.05	83.80	No	NA
10/27/2022	11:45	0.0	0.0	83.78	N-3	-0.05	83.73	No	NA
11/1/2022	09:45	0.0	0.0	83.81	N-6	-0.06	83.75	No	NA
11/3/2022	09:55	0.0	0.0	83.87	N-3	-0.05	83.82	No	NA
11/8/2022	09:58	0.0	0.0	83.71	N-3	-0.05	83.66	No	NA
11/10/2022	10:00	0.0	0.0	83.78	N-3	-0.05	83.73	No	NA
11/15/2022	10:03	0.0	0.0	83.87	N-3	-0.05	83.82	No	NA
11/17/2022	09:05	0.0	0.0	83.82	N-6	-0.06	83.76	No	NA
11/20/2022	09:48	0.0	0.0	83.75	N-5	0.00	83.75	No	NA
11/22/2022	09:30	0.0	0.0	83.83	N-3	-0.05	83.78	No	NA
11/29/2022	09:45	0.1	0.0	83.69	N-6	-0.06	83.63	No	NA
12/20/2022	10:49	0.0	0.0	83.63	N-5	0.00	83.63	No	NA
12/28/2022	09:53	0.0	0.0	83.72	N-5	0.00	83.72	No	NA
1/4/2023	09:28	0.0	0.0	83.69	N-5	0.00	83.69	No	NA
1/10/2023	09:46	0.0	0.0	83.78	N-3	-0.05	83.73	No	NA
1/17/2023	10:25	0.0	0.0	83.72	N-5	0.00	83.72	No	NA
1/24/2023	10:27	0.1	0.0	83.84	N-4	-0.08	83.76	No	NA
2/14/2023	10:44	0.0	0.0	83.73	N-4	-0.08	83.65	No	NA
2/21/2023	10:52	0.0	0.0	83.76	N-4	-0.08	83.68	No	NA
2/28/2023	09:38	0.0	0.0	83.66	N-5	0.00	83.66	No	NA
3/7/2023	11:37	0.0	0.0	83.60	N-4	-0.08	83.52	No	NA
3/14/2023	10:20	0.0	0.0	83.60	N-6	-0.06	83.54	No	NA
3/21/2023	10:50	0.0	0.0	83.63	N-5	0.00	83.63	No	NA
3/28/2023	10:16	0.0	0.0	83.67	N-4	-0.08	83.59	No	NA
4/4/2023	11:06	0.0	0.0	83.74	N-4	-0.08	83.66	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N-1, N-2, N-3, N-4, N-5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW02									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
12/1/2021	12:02	0.0	0.0	86.75	N-1	-0.07	86.68	No	NA
12/8/2021	12:12	0.0	0.2	86.41	N-1	-0.07	86.34	No	NA
12/15/2021	14:08	0.0	0.0	86.19	N-1	-0.07	86.12	No	NA
12/20/2021	12:18	0.0	0.0	86.12	N-1	-0.07	86.05	No	NA
12/27/2021	13:30	0.0	31.8 ^b	86.08	N-1	-0.07	86.01	No	NA
1/3/2022	12:55	0.0	74.1	85.87	N-1	-0.07	85.80	No	NA
1/10/2022	13:37	0.0	0.0	85.76	N-1	-0.07	85.69	No	NA
1/17/2022	12:26	0.0	0.0	85.68	N-1	-0.07	85.61	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/2/2022	13:15	0.2	0.0	86.19 ^b	01-5920	-0.06	86.13 ^b	No	NA
3/8/2022	09:56	0.0	0.0	86.22	N-3	-0.11	86.11	No	NA
3/15/2022	11:35	0.0	0.0	86.26	N-4	-0.14	86.12	No	NA
3/22/2022	11:15	0.0	0.0	86.23	N-3	-0.11	86.12	No	NA
3/31/2022	10:40	0.0	0.0	86.23	N-4	-0.14	86.09	No	NA
4/5/2022	11:20	0.0	0.0	86.16	N-4	-0.14	86.02	No	NA
4/26/2022	10:50	0.0	0.0	86.18	N-4	-0.14	86.04	No	NA
5/3/2022	11:05	0.0	0.0	86.18	N-4	-0.14	86.04	No	NA
5/9/2022	12:05	0.0	0.0	86.15	N-4	-0.14	86.01	No	NA
5/17/2022	10:55	0.0	0.0	86.14	N-3	-0.11	86.03	No	NA
5/24/2022	10:25	0.0	0.0	86.14	N-4	-0.14	86.00	No	NA
5/31/2022	11:48	0.0	0.0	86.13	N-4	-0.14	85.99	No	NA
6/7/2022	10:48	0.0	0.0	86.15	N-3	-0.11	86.04	No	NA
6/14/2022	10:55	0.0	0.0	86.22	N-3	-0.11	86.11	No	NA
6/21/2022	11:20	0.0	0.0	86.18	N-1	-0.07	86.11	No	NA
6/29/2022	10:12	0.0	0.0	86.34	N-4	-0.14	86.20	No	NA
7/6/2022	10:30	0.0	0.0	86.36	N-4	-0.14	86.22	No	NA
7/12/2022	10:51	0.0	0.0	86.40	N-4	-0.14	86.26	No	NA
8/2/2022	11:25	0.0	0.0	86.50	N-4	-0.14	86.36	No	NA
8/9/2022	11:02	0.0	0.0	86.54	N-4	-0.14	86.40	No	NA
8/16/2022	10:46	0.0	0.0	86.54	N-4	-0.14	86.40	No	NA
8/23/2022	11:00	0.0	0.0	86.63	N-4	-0.14	86.49	No	NA
8/30/2022	11:40	0.0	0.0	86.70	N-4	-0.14	86.56	No	NA
9/6/2022	12:40	0.1	0.0	86.65	N-3	-0.11	86.54	No	NA
9/13/2022	11:15	0.0	0.4	86.66	N-3	-0.11	86.55	No	NA
9/20/2022	10:08	0.0	0.0	86.72	01-8854	-0.12	86.60 ^f	No	NA
9/27/2022	12:08	0.0	0.0	86.69	N-3	-0.11	86.58	No	NA
10/4/2022	11:37	0.1	0.1	86.75	N-4	-0.14	86.61	No	NA
10/18/2022	11:37	0.0	0.0	86.73	N-3	-0.11	86.62	No	NA
10/20/2022	11:58	0.0	0.1	86.74	N-4	-0.14	86.60	No	NA
10/25/2022	16:30	0.0	0.0	86.76	N-3	-0.11	86.65	No	NA
10/27/2022	12:05	0.0	0.0	86.69	N-3	-0.11	86.58	No	NA
11/1/2022	11:05	0.0	0.4	86.70	N-6	-0.12	86.58	No	NA
11/3/2022	11:15	0.0	0.0	86.75	N-3	-0.11	86.64	No	NA
11/8/2022	11:00	0.0	0.1	86.63	N-3	-0.11	86.52	No	NA
11/10/2022	11:09	0.1	0.0	86.67	N-3	-0.11	86.56	No	NA
11/15/2022	11:20	0.0	0.0	86.70	N-3	-0.11	86.59	No	NA
11/17/2022	09:57	0.0	0.0	86.71	N-6	-0.11	86.60	No	NA
11/20/2022	10:45	0.0	0.3	86.67	N-5	-0.06	86.61	No	NA
11/22/2022	10:15	0.0	0.0	86.73	N-3	-0.11	86.62	No	NA
11/29/2022	10:35	0.1	0.0	86.60	N-6	-0.11	86.49	No	NA
12/20/2022	11:45	0.0	0.0	86.54	N-5	-0.06	86.48	No	NA
12/28/2022	11:02	0.0	0.0	86.56	N-5	-0.06	86.50	No	NA
1/4/2023	10:26	0.0	0.0	86.61	N-5	-0.06	86.55	No	NA
1/10/2023	10:48	0.0	0.0	86.69	N-3	-0.11	86.58	No	NA
1/17/2023	11:32	0.0	0.0	86.61	N-5	-0.06	86.55	No	NA
1/24/2023	11:33	0.0	0.0	86.74	N-4	-0.14	86.60	No	NA
2/14/2023	11:48	0.0	0.0	86.67	N-4	-0.14	86.53	No	NA
2/21/2023	12:02	0.0	0.0	86.65	N-4	-0.14	86.51	No	NA
2/28/2023	10:35	0.0	0.0	86.56	N-5	-0.06	86.50	No	NA
3/7/2023	13:21	0.0	2.6	86.51	N-4	-0.14	86.37	No	NA
3/14/2023	11:35	0.0	0.0	86.51	N-6	-0.11	86.40	No	NA
3/21/2023	11:55	0.0	0.0	86.53	N-5	-0.06	86.47	No	NA
3/28/2023	11:41	0.0	0.0	86.59	N-4	-0.14	86.45	No	NA
4/4/2023	12:35	0.0	0.0	86.64	N-4	-0.14	86.50	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the water surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N 1, N-2, N-3, N-4, N 5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on RHMW01R and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW03									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
12/1/2021	13:12	0.0	0.0	103.02	N-1	-0.05	102.97	No	NA
12/8/2021	13:17	0.0	8.1	102.66	N-1	-0.05	102.61	No	NA
12/15/2021	15:32	0.0	0.0	102.43	N-1	-0.05	102.38	No	NA
12/20/2021	13:52	0.0	16.1	102.35	N-1	-0.05	102.30	No	NA
12/27/2021	15:36	0.3	422.3 ^a	102.31	N-1	-0.05	102.26	No	NA
1/3/2022	14:20	0.0	322.9	102.10	N-1	-0.05	102.05	No	NA
1/10/2022	15:11	0.0	0.0	102.01	N-1	-0.05	101.96	No	NA
1/17/2022	13:34	0.0	0.0	101.92	N-1	-0.05	101.87	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/2/2022	14:55	0.0	0.0	102.41 ^b	01-5920	-0.04	102.37 ^b	No	NA
3/8/2022	11:10	0.0	0.0	102.42	N-3	-0.10	102.32	No	NA
3/15/2022	12:30	0.0	0.0	102.48	N-4	-0.13	102.35	No	NA
3/22/2022	12:15	0.0	0.0	102.46	N-3	-0.10	102.36	No	NA
3/31/2022	08:30	0.0	0.0	102.46	N-4	-0.13	102.33	No	NA
4/5/2022	12:23	0.0	0.0	102.41	N-4	-0.13	102.28	No	NA
4/26/2022	12:00	0.0	0.0	102.41	N-4	-0.13	102.28	No	NA
5/3/2022	12:25	0.0	0.0	102.41	N-4	-0.13	102.28	No	NA
5/9/2022	13:30	0.0	0.0	102.39	N-4	-0.13	102.26	No	NA
5/17/2022	11:50	0.0	0.0	102.37	N-3	-0.10	102.27	No	NA
5/24/2022	11:11	0.0	0.0	102.39	N-4	-0.13	102.26	No	NA
5/31/2022	12:37	0.0	0.1	102.39	N-4	-0.13	102.26	No	NA
6/7/2022	11:44	0.0	0.0	102.37	N-3	-0.10	102.27	No	NA
6/14/2022	12:00	0.0	0.0	102.49	N-3	-0.10	102.39	No	NA
6/21/2022	12:10	0.0	0.0	102.40	N-1	-0.05	102.35	No	NA
6/29/2022	11:08	0.0	0.0	102.79	N-4	-0.13	102.66	No	NA
7/6/2022	11:18	0.0	0.0	102.57	N-4	-0.13	102.44	No	NA
7/12/2022	11:42	0.0	0.0	102.62	N-4	-0.13	102.49	No	NA
8/2/2022	12:18	0.0	0.0	102.70	N-4	-0.13	102.57	No	NA
8/9/2022	12:33	0.0	0.0	102.76	N-4	-0.13	102.63	No	NA
8/16/2022	11:40	0.0	0.0	102.80	N-4	-0.13	102.67	No	NA
8/23/2022	12:12	0.0	0.0	102.85	N-4	-0.13	102.72	No	NA
8/30/2022	13:00	0.0	0.0	102.92	N-4	-0.13	102.79	Yes ⁱ	0.0
9/6/2022	13:45	0.1	18.0	102.85	N-3	-0.10	102.75	No	NA
9/13/2022	12:16	0.0	2.7	102.88	N-3	-0.10	102.78	No	NA
9/20/2022	08:35	0.0	5.6	102.95	01-8854	-0.13	102.82 ^j	No	NA
9/27/2022	13:50	0.0	0.0	102.90	N-3	-0.10	102.80	No	NA
10/4/2022	12:41	0.1	1.3	102.97	N-4	-0.13	102.84	No	NA
10/18/2022	12:37	0.0	0.0	102.92	N-3	-0.10	102.82	No	NA
10/20/2022	12:57	0.0	0.0	102.96	N-4	-0.13	102.83	No	NA
10/25/2022	17:32	0.0	0.0	103.00	N-3	-0.10	102.90	No	NA
10/27/2022	13:12	0.0	0.0	102.91	N-3	-0.10	102.81	No	NA
11/1/2022	12:45	0.0	0.0	102.93	N-6	-0.10	102.83	No	NA
11/3/2022	12:32	0.0	0.4	102.95	N-3	-0.10	102.85	No	NA
11/8/2022	11:55	0.0	0.0	102.85	N-3	-0.10	102.75	No	NA
11/10/2022	12:20	0.0	0.0	102.88	N-3	-0.10	102.78	No	NA
11/15/2022	12:20	0.0	0.0	102.96	N-3	-0.10	102.86	No	NA
11/17/2022	10:45	0.0	0.0	102.95	N-6	-0.10	102.85	No	NA
11/20/2022	11:40	0.0	0.0	102.88	N-5	-0.05	102.83	No	NA
11/22/2022	11:03	0.0	0.0	102.95	N-3	-0.10	102.85	No	NA
11/29/2022	11:20	0.0	0.0	102.81	N-6	-0.10	102.71	No	NA
12/20/2022	12:42	0.0	0.0	102.76	N-5	-0.05	102.71	No	NA
12/28/2022	11:53	0.0	0.0	102.77	N-5	-0.05	102.72	No	NA
1/4/2023	11:23	0.0	0.0	102.83	N-5	-0.05	102.78	No	NA
1/10/2023	11:38	0.0	0.0	102.93	N-3	-0.10	102.83	No	NA
1/17/2023	12:22	0.0	0.0	102.84	N-5	-0.05	102.79	No	NA
1/24/2023	12:34	0.0	0.0	102.98	N-4	-0.13	102.85	No	NA
2/14/2023	12:38	0.0	0.0	102.85	N-4	-0.13	102.72	No	NA
2/21/2023	13:13	0.0	0.0	102.86	N-4	-0.13	102.73	No	NA
2/28/2023	11:33	0.0	0.0	102.82	N-5	-0.05	102.77	No	NA
3/7/2023	14:19	0.0	3.1	102.73	N-4	-0.13	102.60	No	NA
3/14/2023	12:42	0.0	0.0	102.73	N-6	-0.10	102.63	No	NA
3/21/2023	13:29	0.0	0.0	102.74	N-5	-0.05	102.69	No	NA
3/28/2023	13:10	0.0	0.0	102.79	N-4	-0.13	102.66	No	NA
4/4/2023	14:20	0.0	0.0	102.85	N-4	-0.13	102.72	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N 1, N-2, N-3, N-4, N 5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on RHMW01R and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW04									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/13/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/20/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/27/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
1/4/2022	09:55	0.0	0.0	293.51	N-2	-0.06	293.45	No	NA
1/14/2022	09:15	0.0	0.0	293.42	N-2	-0.06	293.36	No	NA
1/16/2022	13:00	1.9	2.0	293.29	N-1	-0.06	293.23	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/1/2022	10:35	0.1	0.0	293.90 ^b	16HF	-0.06	293.84 ^b	No	NA
3/7/2022	13:30	0.1	0.0	293.69	N-4	-0.16	293.53	No	NA
3/14/2022	10:55	0.0	0.0	293.76	N-4	-0.16	293.60	No	NA
3/23/2022	09:30	0.0	0.0	293.74	N-4	-0.16	293.58	No	NA
3/30/2022	09:00	0.1	0.1	293.71	N-4	-0.16	293.55	No	NA
4/6/2022	08:43	0.0	0.0	293.69	N-4	-0.16	293.53	No	NA
4/25/2022	13:55	0.0	0.0	293.65	N-4	-0.16	293.49	No	NA
5/4/2022	10:45	0.0	0.0	293.63	N-4	-0.16	293.47	No	NA
5/11/2022	12:25	0.0	0.0	293.41	N-4	-0.16	293.25	No	NA
5/16/2022	12:40	0.0	0.0	293.59	N-3	-0.12	293.47	No	NA
5/23/2022	11:15	0.0	0.0	293.62	N-4	-0.16	293.46	No	NA
6/3/2022	08:00	0.0	0.0	293.61	N-3	-0.12	293.49	No	NA
6/8/2022	09:35	0.0	0.0	293.61	N-3	-0.12	293.49	No	NA
6/15/2022	08:00	0.0	0.0	293.62	N-3	-0.12	293.50	No	NA
6/22/2022	09:37	0.0	0.0	293.70	N-3	-0.12	293.58	No	NA
6/30/2022	08:13	0.0	0.0	293.85	N-4	-0.16	293.69	No	NA
7/8/2022	12:28	0.0	0.0	293.85	N-4	-0.16	293.69	No	NA
7/14/2022	08:08	0.0	0.0	293.89	N-4	-0.16	293.73	No	NA
8/3/2022	08:05	0.0	0.0	293.99	N-4	-0.16	293.83	No	NA
8/10/2022	07:50	0.0	0.0	294.05	N-4	-0.16	293.89	No	NA
8/17/2022	08:00	0.0	0.0	294.09	N-4	-0.16	293.93	No	NA
8/24/2022	10:30	0.0	0.0	294.12	N-4	-0.16	293.96	No	NA
8/31/2022	08:05	0.0	0.0	294.19	N-4	-0.16	294.03	No	NA
9/9/2022	07:30	0.0	0.0	294.14	N-4	-0.16	293.98	No	NA
9/14/2022	07:40	0.0	0.0	294.17	N-3	-0.12	294.05	No	NA
9/23/2022	08:00	0.0	0.0	294.32	01-8854	-0.25	294.07 ⁱ	No	NA
9/28/2022	11:43	0.0	0.0	294.10	N-5	-0.05	294.05	No	NA
10/5/2022	08:05	0.0	0.0	294.28	N-4	-0.16	294.12	No	NA
10/17/2022	08:03	0.1	0.4	294.20	N-5	-0.05	294.15	No	NA
10/19/2022	08:10	0.0	0.0	294.28	N-3	-0.12	294.16	No	NA
10/24/2022	12:25	0.0	0.0	294.21	N-6	-0.11	294.10	No	NA
10/26/2022	08:00	0.0	0.0	294.27	N-6	-0.11	294.16	No	NA
10/31/2022	08:05	0.0	0.0	294.19	N-5	-0.05	294.14	No	NA
11/2/2022	07:40	0.0	0.0	294.27	N-6	-0.11	294.16	No	NA
11/7/2022	13:10	0.0	0.0	293.96	N-5	-0.05	293.91	No	NA
11/9/2022	12:07	0.0	0.0	294.12	N-3	-0.12	294.00	No	NA
11/14/2022	07:40	0.0	0.0	294.23	N-3	-0.12	294.11	No	NA
11/16/2022	08:10	0.0	0.0	294.25	N-3	-0.12	294.13	No	NA
11/19/2022	10:19	0.0	0.0	294.30	N-4	-0.16	294.14	No	NA
11/21/2022	07:25	0.0	0.0	294.21	N-5	-0.05	294.16	No	NA
11/30/2022	10:19	0.0	0.0	294.12	N-5	-0.05	294.07	No	NA
12/23/2022	12:09	0.0	0.0	294.12	N-3	-0.12	294.00	No	NA
12/30/2022	11:45	0.0	0.3	294.07	N-5	-0.05	294.02	No	NA
1/6/2023	11:16	0.0	0.0	294.15	N-5	-0.05	294.10	No	NA
1/13/2023	07:50	0.0	0.0	294.31	N-3	-0.12	294.19	No	NA
1/20/2023	08:10	0.0	0.0	294.20	N-5	-0.05	294.15	No	NA
1/25/2023	10:30	0.0	0.0	294.32	N-4	-0.16	294.16	No	NA
2/16/2023	08:00	0.0	0.0	294.23	N-4	-0.16	294.07	No	NA
2/23/2023	07:35	0.7	0.0	294.24	N-4	-0.16	294.08	No	NA
3/2/2023	08:00	0.0	0.0	294.10	N-6	-0.11	293.99	No	NA
3/9/2023	07:50	0.0	0.0	294.08	N-3	-0.12	293.96	No	NA
3/15/2023	10:20	0.0	0.0	294.10	N-4	-0.16	293.94	No	NA
3/24/2023	07:50	0.0	0.0	294.11	N-3	-0.12	293.99	No	NA
3/30/2023	08:10	0.0	0.0	294.05	N-5	-0.05	294.00	No	NA
4/6/2023	07:58	0.0	0.0	294.14	N-6	-0.11	294.03	No	NA

Notes:

*Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.

Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.

1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.

2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.

Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.

**Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.

Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.

Samples collected from Westbay wells will be observed for free product during collection and will be noted.

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NM = No measurement taken, due to equipment installed in well.

NC = Not collected

NC1 = Sampling at this location not required on specified date.

NC2 = PID was not functioning properly and no reading was obtained

NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.

NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft

a: Initial reading recorded; however, subsequent follow up reading was <10ppm

b: Depth to water measured with an oil/water interface probe

c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.

d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N-1, N-2, N-3, N-4, N-5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"

e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.

f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).

g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling

h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm

i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".

j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.

k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW05									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
12/1/2021	09:34	0.0	0.0	83.41	N-1	-0.02	83.39	No	NA
12/8/2021	09:22	0.5	2.2	83.02	N-1	-0.02	83.00	No	NA
12/15/2021	11:20	0.0	0.0	82.86	N-1	-0.02	82.84	No	NA
12/20/2021	09:15	0.0	0.0	82.86	N-1	-0.02	82.84	No	NA
12/27/2021	09:04	0.2	1.7	82.76	N-1	-0.02	82.74	No	NA
1/3/2022	09:12	0.0	105.7	82.56	N-1	-0.02	82.54	No	NA
1/10/2022	08:50	0.0	0.0	82.42	N-1	-0.02	82.40	No	NA
1/17/2022	09:40	0.0	0.0	82.36	N-1	-0.02	82.34	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/2/2022	09:30	0.0	0.0	82.95 ^b	01-5920	-0.01	82.94 ^b	No	NA
3/8/2022	07:55	0.0	0.0	82.90	N-3	-0.06	82.84	No	NA
3/15/2022	08:55	0.0	0.0	82.97	N-4	-0.09	82.88	No	NA
3/22/2022	08:50	0.2	0.0	82.99	N-3	-0.06	82.93	No	NA
3/31/2022	09:35	0.1	0.0	82.92	N-4	-0.09	82.83	No	NA
4/5/2022	08:45	0.2	0.0	82.86	N-4	-0.09	82.77	No	NA
4/26/2022	08:40	0.0	0.0	82.90	N-4	-0.09	82.81	No	NA
5/3/2022	08:35	0.1	0.0	82.87	N-4	-0.09	82.78	No	NA
5/10/2022	09:25	0.0	1.0	82.93	N-4	-0.09	82.84	No	NA
5/17/2022	08:42	0.0	0.0	82.85	N-3	-0.06	82.79	No	NA
5/24/2022	08:18	0.1	0.0	82.85	N-4	-0.09	82.76	No	NA
5/31/2022	09:27	0.0	0.0	82.85	N-4	-0.09	82.76	No	NA
6/7/2022	08:34	0.0	0.0	82.87	N-3	-0.06	82.81	No	NA
6/14/2022	08:47	0.0	0.0	82.92	N-3	-0.06	82.86	No	NA
6/21/2022	08:50	0.0	0.0	82.94	N-1	-0.02	82.92	No	NA
6/29/2022	08:20	0.1	0.0	83.05	N-4	-0.09	82.96	No	NA
7/6/2022	08:40	0.1	0.0	83.04	N-4	-0.09	82.95	No	NA
7/12/2022	08:43	0.2	0.0	83.10	N-4	-0.09	83.01	No	NA
8/2/2022	09:20	0.0	0.0	83.18	N-4	-0.09	83.09	No	NA
8/9/2022	08:45	0.1	0.0	83.24	N-4	-0.09	83.15	No	NA
8/16/2022	08:25	0.1	0.0	83.27	N-4	-0.09	83.18	No	NA
8/23/2022	08:58	0.0	0.0	83.34	N-4	-0.09	83.25	No	NA
8/30/2022	09:00	0.0	0.0	83.42	N-4	-0.09	83.33	No	NA
9/6/2022	10:00	0.0	0.0	83.38	N-3	-0.06	83.32	No	NA
9/13/2022	09:15	0.0	0.0	83.43	N-3	-0.06	83.37	No	NA
9/20/2022	13:15	0.1	0.0	83.40	01-8854	-0.06	83.34 ⁱ	No	NA
9/27/2022	09:33	0.0	0.0	83.40	N-3	-0.06	83.34	No	NA
10/4/2022	08:50	0.0	0.0	83.52	N-4	-0.09	83.43	No	NA
10/18/2022	08:59	0.0	0.0	83.45	N-3	-0.06	83.39	No	NA
10/20/2022	08:58	0.0	0.1	83.47	N-4	-0.09	83.38	No	NA
10/25/2022	13:50	0.0	0.0	83.47	N-3	-0.06	83.41	No	NA
10/27/2022	10:00	0.0	0.0	83.42	N-4	-0.09	83.33	No	NA
11/1/2022	08:40	0.1	0.0	83.44	N-6	-0.07	83.37	No	NA
11/3/2022	08:40	0.0	0.0	83.49	N-3	-0.06	83.43	No	NA
11/8/2022	08:57	0.0	0.1	83.32	N-3	-0.06	83.26	No	NA
11/10/2022	08:31	0.3	0.2	83.45	N-3	-0.06	83.39	No	NA
11/15/2022	08:50	0.0	0.0	83.43	N-3	-0.06	83.37	No	NA
11/17/2022	08:15	0.0	0.0	83.42	N-6	-0.06	83.36	No	NA
11/20/2022	08:52	0.1	0.1	83.36	N-5	-0.01	83.35	No	NA
11/22/2022	08:39	0.2	0.0	83.41	N-3	-0.06	83.35	No	NA
11/29/2022	08:50	0.0	0.0	83.31	N-6	-0.06	83.25	No	NA
12/20/2022	09:37	0.1	0.0	83.24	N-5	-0.01	83.23	No	NA
12/28/2023	08:50	0.0	0.0	83.27	N-5	-0.01	83.26	No	NA
1/4/2023	08:30	0.0	0.0	83.30	N-5	-0.01	83.29	No	NA
1/10/2023	08:31	0.0	0.0	83.47	N-3	-0.06	83.41	No	NA
1/17/2023	09:23	0.0	0.0	83.34	N-5	-0.01	83.33	No	NA
1/24/2023	09:20	0.0	0.0	83.45	N-4	-0.09	83.36	No	NA
2/14/2023	09:15	0.0	0.0	83.31	N-4	-0.09	83.22	No	NA
2/21/2023	09:35	0.0	0.0	83.33	N-4	-0.09	83.24	No	NA
2/28/2023	08:38	0.0	0.0	83.25	N-5	-0.01	83.24	No	NA
3/7/2023	10:20	0.0	5.1	83.21	N-4	-0.09	83.12	No	NA
3/14/2023	09:00	0.1	0.0	83.27	N-6	-0.06	83.21	No	NA
3/21/2023	09:07	0.0	0.0	83.22	N-5	-0.01	83.21	No	NA
3/28/2023	08:49	0.0	0.0	83.27	N-4	-0.09	83.18	No	NA
4/4/2023	09:27	0.0	0.0	83.34	N-4	-0.09	83.25	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N 1, N-2, N-3, N-4, N 5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW06									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/13/2021	12:45	0.0	0.0	241.03	N-2	-0.04	240.99	No	NA
12/21/2021	15:50	0.0	0.0	240.72	N-1	-0.04	240.68	No	NA
12/28/2021	07:55	0.0	0.6	240.93	N-2	-0.04	240.89	No	NA
1/4/2022	07:45	0.0	0.0	240.39	N-2	-0.04	240.35	No	NA
1/11/2022	08:15	0.0	0.0	240.43	N-2	-0.04	240.39	No	NA
1/18/2022	11:45	0.0	0.1	240.29	N-1	-0.04	240.25	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/28/2022	10:50	0.0	0.0	240.64	N-1	-0.04	240.60	No	NA
3/7/2022	10:15	0.1	0.2	240.74	N-4	-0.15	240.59	No	NA
3/16/2022	12:15	0.1	0.1	240.72	N-4	-0.15	240.57	No	NA
3/23/2022	08:00	0.0	0.0	240.74	N-4	-0.15	240.59	No	NA
3/30/2022	07:30	0.0	0.0	240.71	N-4	-0.15	240.56	No	NA
4/4/2022	11:40	0.0	0.0	240.90	N-4	-0.15	240.75	No	NA
4/25/2022	11:30	0.0	0.0	240.87	N-4	-0.15	240.72	No	NA
5/4/2022	08:25	0.0	0.0	240.85	N-4	-0.15	240.70	No	NA
5/11/2022	10:25	0.0	0.0	240.83	N-4	-0.15	240.68	No	NA
5/16/2022	10:50	0.0	0.0	240.82	N-3	-0.11	240.71	No	NA
5/23/2022	10:05	0.0	0.0	240.85	N-4	-0.15	240.70	No	NA
6/3/2022	13:09	0.0	0.0	240.80	N-3	-0.11	240.69	No	NA
6/8/2022	07:45	0.0	0.0	240.82	N-3	-0.11	240.71	No	NA
6/15/2022	12:25	0.0	0.0	240.80	N-3	-0.11	240.69	No	NA
6/22/2022	08:20	0.0	0.0	240.91	N-3	-0.11	240.80	No	NA
6/30/2022	10:50	0.0	0.0	241.04	N-4	-0.15	240.89	No	NA
7/8/2022	08:15	0.0	0.0	241.06	N-4	-0.15	240.91	No	NA
7/14/2022	11:12	0.0	0.0	241.08	N-4	-0.15	240.93	No	NA
8/3/2022	10:32	0.0	0.0	241.17	N-4	-0.15	241.02	No	NA
8/10/2022	09:55	0.0	0.0	241.23	N-4	-0.15	241.08	No	NA
8/17/2022	09:55	0.0	0.0	241.06	N-4	-0.15	240.91	No	NA
8/24/2022	07:50	0.0	0.0	241.13	N-4	-0.15	240.98	No	NA
8/31/2022	09:45	0.0	0.0	241.18	N-4	-0.15	241.03	No	NA
9/9/2022	09:10	0.0	0.0	241.13	N-4	-0.15	240.98	No	NA
9/14/2022	09:30	0.0	0.0	241.14	N-3	-0.11	241.03	No	NA
9/23/2022	10:05	0.0	0.0	241.28	01-8854	-0.20	241.08	No	NA
9/28/2022	14:20	0.0	0.0	241.09	N-5	-0.04	241.05	No	NA
10/6/2022	10:40	0.0	0.0	241.17	N-3	-0.11	241.06	No	NA
10/17/2022	10:19	0.0	0.0	241.18	N-5	-0.04	241.14	No	NA
10/19/2022	11:55	0.0	0.0	241.18	N-3	-0.11	241.07	No	NA
10/24/2022	09:08	0.0	0.0	241.22	N-6	-0.10	241.12	No	NA
10/26/2022	10:55	0.0	0.0	241.22	N-6	-0.10	241.12	No	NA
10/31/2022	12:20	0.0	0.0	241.09	N-5	-0.04	241.05	No	NA
11/2/2022	10:45	0.0	0.0	241.38	N-6	-0.10	241.28	No	NA
11/7/2022	11:05	0.0	0.0	240.92	N-5	-0.04	240.88	No	NA
11/9/2022	10:09	0.0	0.0	241.13	N-3	-0.11	241.02	No	NA
11/14/2022	12:04	0.0	0.0	241.13	N-3	-0.11	241.02	No	NA
11/16/2022	11:32	0.0	0.0	241.14	N-3	-0.11	241.03	No	NA
11/19/2022	12:50	0.1	0.0	241.22	N-4	-0.15	241.07	No	NA
11/21/2022	12:07	0.1	0.1	241.13	N-5	-0.04	241.09	No	NA
11/30/2022	12:26	0.1	0.1	241.06	N-3	-0.11	240.95	No	NA
12/19/2022	13:55	0.0	0.0	240.98	N-5	-0.04	240.94	No	NA
12/30/2022	07:30	0.0	0.2	241.08	N-5	-0.04	241.04	No	NA
1/6/2023	09:40	0.0	0.0	241.15	N-5	-0.04	241.11	No	NA
1/13/2023	09:42	0.0	0.0	241.26	N-3	-0.01	241.25	No	NA
1/20/2023	15:13	0.0	0.0	241.12	N-5	-0.04	241.08	No	NA
1/25/2023	13:37	0.0	0.0	241.24	N-4	-0.15	241.09	No	NA
2/16/2023	12:30	0.0	0.0	241.16	N-4	-0.15	241.01	No	NA
2/23/2023	09:50	0.0	0.0	241.21	N-4	-0.15	241.06	No	NA
3/2/2023	14:05	0.0	0.0	241.05	N-6	-0.10	240.95	No	NA
3/9/2023	12:20	0.0	0.0	240.98	N-3	-0.01	240.97	No	NA
3/15/2023	13:10	0.0	0.0	241.05	N-4	-0.15	240.90	No	NA
3/24/2023	12:55	0.0	0.0	241.05	N-3	-0.01	241.04	No	NA
3/30/2023	11:56	0.0	0.0	240.99	N-5	-0.04	240.95	No	NA
4/6/2023	12:50	0.0	0.0	241.04	N-6	-0.10	240.94	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the water surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N-1, N-2, N-3, N-4, N-5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on R-1 through R-4 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW08									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^{da} (ft btoc)	(Yes/No)	(ft)
12/1/2021	15:10	0.0	0.0	292.91	N-2	-0.07	292.84	No	NA
12/8/2021	15:45	0.0	0.0	292.52	N-1	-0.07	292.45	No	NA
12/16/2021	08:05	0.0	0.0	292.38	N-2	-0.07	292.31	No	NA
12/23/2021	08:30	0.0	0.0	292.34	N-2	-0.07	292.27	No	NA
12/28/2021	12:00	0.0	5.1	292.01	N-2	-0.07	291.94	No	NA
1/4/2022	10:10	0.0	0.0	292.00	N-2	-0.07	291.93	No	NA
1/11/2022	11:35	0.0	1.0	291.76	N-2	-0.07	291.69	No	NA
1/18/2022	12:00	0.0	0.0	291.82	N-1	-0.07	291.75	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/28/2022	13:10	0.1	0.0	292.11	N-1	-0.07	292.04	No	NA
3/9/2022	11:20	0.0	0.0	292.21	N-4	-0.17	292.04	No	NA
3/16/2022	10:25	0.0	0.0	292.23	N-4	-0.17	292.06	No	NA
3/23/2022	11:15	0.0	0.0	292.22	N-4	-0.17	292.05	No	NA
3/30/2022	10:58	0.0	0.0	292.19	N-4	-0.17	292.02	No	NA
4/4/2022	08:55	0.0	0.0	292.35	N-4	-0.17	292.18	No	NA
4/25/2022	08:20	0.0	0.0	292.38	N-4	-0.17	292.21	No	NA
5/4/2022	12:25	0.0	0.0	292.34	N-4	-0.17	292.17	No	NA
5/11/2022	08:18	0.0	0.0	292.30	N-4	-0.17	292.13	No	NA
5/16/2022	08:35	0.0	0.0	292.35	N-3	-0.13	292.22	No	NA
5/23/2022	08:40	0.0	0.0	292.33	N-4	-0.17	292.16	No	NA
6/3/2022	11:15	0.0	0.0	292.31	N-3	-0.13	292.18	No	NA
6/8/2022	12:30	0.1	0.1	292.30	N-3	-0.13	292.17	No	NA
6/15/2022	10:45	0.0	0.0	292.27	N-3	-0.13	292.14	No	NA
6/22/2022	12:05	0.0	0.0	292.37	N-3	-0.13	292.24	No	NA
6/30/2022	12:28	0.0	0.0	292.52	N-4	-0.17	292.35	No	NA
7/8/2022	10:34	0.0	0.0	292.55	N-4	-0.17	292.38	No	NA
7/12/2022	12:56	0.0	0.0	292.57	N-4	-0.17	292.40	No	NA
8/3/2022	11:55	0.0	0.0	292.64	N-4	-0.17	292.47	No	NA
8/10/2022	11:40	0.0	0.0	292.71	N-4	-0.17	292.54	No	NA
8/17/2022	11:17	0.0	0.0	292.53	N-4	-0.17	292.36	No	NA
8/24/2022	09:05	0.0	0.0	292.62	N-4	-0.17	292.45	No	NA
8/31/2022	11:05	0.0	0.0	292.66	N-4	-0.17	292.49	No	NA
9/9/2022	10:15	0.0	0.0	292.63	N-4	-0.17	292.46	No	NA
9/14/2022	10:55	0.0	0.0	292.60	N-3	-0.13	292.47	No	NA
9/23/2022	12:25	0.0	0.0	292.79	01-8854	-0.26	292.53	No	NA
9/28/2022	08:38	0.0	0.0	292.61	N-5	-0.06	292.55	No	NA
10/5/2022	10:25	0.0	0.0	292.74	N-4	-0.17	292.57	No	NA
10/17/2022	13:30	0.0	0.0	292.61	N-5	-0.06	292.55	No	NA
10/19/2022	10:25	0.0	0.0	292.70	N-3	-0.13	292.57	No	NA
10/24/2022	11:00	0.0	0.0	292.72	N-6	-0.12	292.60	No	NA
10/26/2022	12:20	0.0	0.0	292.72	N-6	-0.12	292.60	No	NA
10/31/2022	09:55	0.0	0.0	292.63	N-5	-0.06	292.57	No	NA
11/2/2022	09:30	0.0	0.0	292.92	N-6	-0.12	292.80	No	NA
11/7/2022	08:00	0.0	0.0	292.32	N-5	-0.06	292.26	No	NA
11/9/2022	08:25	0.0	0.0	292.63	N-3	-0.13	292.50	No	NA
11/14/2022	10:30	0.0	0.0	292.65	N-3	-0.13	292.52	No	NA
11/16/2022	10:05	0.0	0.0	292.67	N-3	-0.13	292.54	No	NA
11/19/2022	15:00	0.0	0.0	292.66	N-4	-0.17	292.49	No	NA
11/21/2022	09:58	0.0	0.0	292.65	N-5	-0.06	292.59	No	NA
11/30/2022	07:46	0.0	0.1	292.80	N-3	-0.13	292.67	No	NA
12/19/2022	11:40	0.0	0.0	292.48	N-5	-0.06	292.42	No	NA
12/30/2022	09:22	0.0	0.0	292.57	N-5	-0.06	292.51	No	NA
1/6/2023	07:50	0.0	0.0	292.62	N-5	-0.06	292.56	No	NA
1/13/2023	11:35	0.0	0.0	292.72	N-3	-0.13	292.59	No	NA
1/20/2023	10:10	0.0	0.0	292.63	N-5	-0.06	292.57	No	NA
1/25/2023	08:04	0.0	0.0	292.96	N-4	-0.17	292.79	No	NA
2/16/2023	10:10	0.0	0.0	292.67	N-4	-0.17	292.50	No	NA
2/23/2023	12:04	0.0	0.0	292.66	N-4	-0.17	292.49	No	NA
3/2/2023	12:25	0.0	0.0	292.56	N-6	-0.12	292.44	No	NA
3/9/2023	10:15	0.0	0.0	292.51	N-3	-0.13	292.38	No	NA
3/15/2023	08:05	0.0	0.0	292.55	N-4	-0.17	292.38	No	NA
3/24/2023	11:25	0.0	0.0	292.55	N-3	-0.13	292.42	No	NA
3/30/2023	10:30	0.0	0.0	292.50	N-5	-0.06	292.44	No	NA
4/6/2023	10:50	0.0	0.0	292.55	N-6	-0.12	292.43	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N 1, N-2, N-3, N-4, N 5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW09									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/16/2021	13:05	0.0	0.0	377.52	N-2	-0.29	377.23	No	NA
12/24/2021	08:30	0.0	0.0	377.29	N-1	-0.29	377.00	No	NA
1/1/2022	09:50	0.1	0.0	377.18	N-2	-0.29	376.89	No	NA
1/7/2022	11:10	0.0	0.0	377.06	N-2	-0.29	376.77	No	NA
1/12/2022	13:17	0.0	0.0	377.05	N-1	-0.29	376.76	No	NA
1/17/2022	12:40	0.0	0.0	377.18 ^b	01-5920	-0.24	376.94 ^b	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/3/2022	10:45	0.1	0.0	377.38	N-2	-0.29	377.09	No	NA
3/7/2022	NC	NC	NC	NC	NC	NC	NC	NC	NC
3/16/2022	08:05	0.0	0.0	377.31	N-4	-0.37	376.94	No	NA
3/21/2022	10:30	0.0	0.0	377.30	N-4	-0.37	376.93	No	NA
3/28/2022	10:05	0.0	0.0	377.49	N-4	-0.37	377.12	No	NA
4/8/2022	10:45	0.0	0.0	377.41	N-3	-0.32	377.09	No	NA
4/28/2022	10:00	0.0	0.0	377.19	N-3	-0.32	376.87	No	NA
5/2/2022	09:00	0.0	0.0	377.25	N-4	-0.32	376.93	No	NA
5/9/2022	08:50	0.0	0.0	377.44	N-4	-0.32	377.12	No ^f	0.0
5/18/2022	08:20	0.0	0.0	377.40	N-3	-0.32	377.08	No	NA
5/25/2022	08:20	0.0	0.0	377.30	N-4	-0.32	376.98	No	NA
6/1/2022	09:38	0.0	0.0	377.39	N-3	-0.32	377.07	No	NA
6/6/2022	08:45	0.0	0.0	377.35	N-3	-0.32	377.03	No	NA
6/13/2022	15:00	0.0	0.0	377.46	N-3	-0.32	377.14	No	NA
6/20/2022	08:45	0.0	0.0	377.47	N-3	-0.32	377.15	No	NA
6/28/2022	08:35	0.0	0.0	377.35	N-3	-0.32	377.03	No	NA
7/5/2022	08:43	0.0	0.0	377.63	N-4	-0.32	377.31	No	NA
7/11/2022	10:59	0.0	0.0	377.67	N-4	-0.32	377.35	No	NA
8/1/2022	08:45	0.0	0.0	377.78	N-4	-0.32	377.46	No	NA
8/8/2022	08:40	0.0	0.0	377.82	N-4	-0.32	377.5	No	NA
8/15/2022	08:10	0.0	0.0	377.87	N-4	-0.32	377.55	No	NA
8/22/2022	08:30	0.0	0.0	377.92	N-4	-0.32	377.6	No	NA
8/29/2022	08:40	0.0	0.0	377.93	N-4	-0.32	377.61	No	NA
9/7/2022	07:45	0.0	0.0	377.74	N-3	-0.32	377.42	No	NA
9/12/2022	08:15	0.0	0.0	377.95	N-3	-0.32	377.63	No	NA
9/19/2022	09:50	0.0	0.0	378.01	01-8607	-0.64	377.37 ^l	No	NA
9/26/2022	08:55	0.0	0.0	377.77	N-3	-0.32	377.45	No	NA
10/3/2022	08:05	0.0	0.0	378.05	N-4	-0.32	377.73	No	NA
10/17/2022	08:15	0.0	0.0	377.88	N-4	-0.32	377.56	No	NA
10/19/2022	08:30	0.0	0.0	377.86	N-4	-0.32	377.54	No	NA
10/24/2022	08:00	0.0	0.0	377.87	N-4	-0.32	377.55	No	NA
10/26/2022	10:45	0.0	0.0	377.95	N-5	-0.27	377.68	No	NA
10/31/2022	08:20	0.0	0.0	377.80	N-6	-0.34	377.46	No	NA
11/2/2022	08:15	0.0	0.0	377.87	N-4	-0.32	377.55	No	NA
11/7/2022	08:25	0.0	0.0	377.53	N-3	-0.32	377.21	No	NA
11/9/2022	10:05	0.0	0.0	377.80	N-4	-0.32	377.48	No	NA
11/14/2022	08:15	0.0	0.0	377.83	N-4	-0.32	377.51	No	NA
11/16/2022	07:50	0.0	0.0	377.82	N-6	-0.34	377.48	No	NA
11/19/2022	08:05	0.0	0.0	377.76	N-5	-0.27	377.49	No	NA
11/21/2022	09:52	0.0	0.0	377.85	N-4	-0.32	377.53	No	NA
11/28/2022	08:25	0.0	0.0	377.55	N-3	-0.32	377.23	No	NA
12/23/2022	07:30	0.0	0.0	377.66	N-3	-0.32	377.34	No	NA
12/27/2022	08:00	0.0	0.0	377.66	N-5	-0.27	377.39	No	NA
1/3/2023	07:30	0.0	0.0	377.66	N-5	-0.27	377.39	No	NA
1/9/2023	10:43	0.0	0.0	377.73	N-5	-0.27	377.46	No	NA
1/16/2023	07:38	0.0	0.0	377.78	N-6	-0.34	377.44	No	NA
1/23/2023	08:35	0.0	0.0	377.94	N-5	-0.27	377.67	No	NA
2/13/2023	08:15	0.0	0.0	377.64	N-5	-0.27	377.37	No	NA
2/20/2023	08:35	0.0	0.0	377.78	N-4	-0.32	377.46	No	NA
2/27/2023	08:50	0.0	0.0	377.71	N-6	-0.34	377.37	No	NA
3/6/2023	08:00	0.0	0.0	377.52	N-5	-0.27	377.25	No	NA
3/13/2023	07:49	0.0	0.0	377.65	N-4	-0.32	377.33	No	NA
3/20/2023	08:06	0.0	0.0	377.66	N-6	-0.34	377.32	No	NA
3/27/2023	08:28	0.0	0.0	377.64	N-6	-0.34	377.30	No	NA
4/3/2023	07:45	0.0	0.0	377.63	N-5	-0.27	377.36	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the water surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N-1, N-2, N-3, N-4, N-5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW11**									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^d (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/16/2021	10:49	0.0	0.0	NA	NA	NA	NA	No	NA
12/23/2021	09:26	0.0	0.0	NA	NA	NA	NA	No	NA
12/30/2021	10:37	0.0	0.0	NA	NA	NA	NA	No	NA
1/6/2022	09:13	0.0	0.0	NA	NA	NA	NA	No	NA
1/13/2022	08:34	0.0	0.0	NA	NA	NA	NA	No	NA
1/20/2022	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/3/2022	07:52	0.0	0.0	NA	NA	NA	NA	No	NA
3/9/2022	09:28	0.0	0.0	NA	NA	NA	NA	No	NA
3/17/2022	08:41	0.0	0.0	NA	NA	NA	NA	No	NA
3/22/2022	00:30	0.0	0.0	NA	NA	NA	NA	No	NA
3/31/2022	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
4/7/2022	08:37	0.0	0.0	NA	NA	NA	NA	No	NA
4/28/2022	09:33	0.0	0.0	NA	NA	NA	NA	No	NA
5/5/2022	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
5/11/2022	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
5/19/2022	08:15	0.0	0.0	NA	NA	NA	NA	No	NA
5/26/2022	09:00	0.0	0.0	NA	NA	NA	NA	No	NA
6/2/2022	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
6/9/2022	10:40	0.0	0.0	NA	NA	NA	NA	No	NA
6/16/2022	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
6/23/2022	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
7/1/2022	08:22	0.0	0.0	NA	NA	NA	NA	No	NA
7/7/2022	10:00	0.0	0.0	NA	NA	NA	NA	No	NA
7/13/2022	08:05	0.0	0.0	NA	NA	NA	NA	No	NA
NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3
8/12/2022	12:20	0.0	0.0	NA	NA	NA	NA	No	NA
8/17/2022	08:05	0.0	0.0	NA	NA	NA	NA	No	NA
8/22/2022	11:12	0.0	0.0	NA	NA	NA	NA	No	NA
8/29/2022	12:00	0.0	0.0	NA	NA	NA	NA	No	NA
9/7/2022	11:50	0.0	0.0	NA	NA	NA	NA	No	NA
9/13/2022	10:50	0.0	0.0	NA	NA	NA	NA	No	NA
9/20/2022	11:35	0.0	0.0	NA	NA	NA	NA	No	NA
9/27/2022	11:48	0.0	0.0	NA	NA	NA	NA	No	NA
10/3/2022	09:34	0.0	0.0	NA	NA	NA	NA	No	NA
10/17/2022	12:20	0.0	0.0	NA	NA	NA	NA	No	NA
10/21/2022	15:45	0.0	0.0	NA	NA	NA	NA	No	NA
10/24/2022	11:58	0.0	0.0	NA	NA	NA	NA	No	NA
10/28/2022	16:50	0.0	0.0	NA	NA	NA	NA	No	NA
11/2/2022	13:08	0.0	0.0	NA	NA	NA	NA	No	NA
11/4/2022	09:56	0.0	0.0	NA	NA	NA	NA	No	NA
11/9/2022	09:47	0.0	0.0	NA	NA	NA	NA	No	NA
11/11/2022	08:57	0.0	0.0	NA	NA	NA	NA	No	NA
11/16/2022	08:57	0.0	0.0	NA	NA	NA	NA	No	NA
11/18/2022	08:48	0.0	0.0	NA	NA	NA	NA	No	NA
11/21/2022	09:11	0.0	0.0	NA	NA	NA	NA	No	NA
11/23/2022	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
11/29/2022	08:53	0.0	0.1	NA	NA	NA	NA	No	NA
12/20/2022	08:55	0.0	0.1	NA	NA	NA	NA	No	NA
12/28/2023	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
1/4/2023	08:48	0.0	0.0	NA	NA	NA	NA	No	NA
1/10/2023	09:10	0.0	0.3	NA	NA	NA	NA	No	NA
1/17/2023	08:30	0.0	0.6	NA	NA	NA	NA	No	NA
1/24/2023	08:55	0.0	0.2	NA	NA	NA	NA	No	NA
2/15/2023	09:08	0.0	0.0	NA	NA	NA	NA	No	NA
2/21/2023	09:33	0.0	0.0	NA	NA	NA	NA	No	NA
2/27/2023	09:42	0.0	0.0	NA	NA	NA	NA	No	NA
3/8/2023	08:40	0.7	0.0	NA	NA	NA	NA	No	NA
3/15/2023	09:23	0.0	0.0	NA	NA	NA	NA	No	NA
3/21/2023	13:23	0.0	0.0	NA	NA	NA	NA	No	NA
3/27/2023	09:36	0.0	0.0	NA	NA	NA	NA	No	NA
4/3/2023	12:00	0.0	0.0	NA	NA	NA	NA	No	NA

Notes:

*Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.

Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.

1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.

2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.

Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.

**Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.

Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.

Samples collected from Westbay wells will be observed for free product during collection and will be noted.

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NM = No measurement taken, due to equipment installed in well.

NC = Not collected

NC1 = Sampling at this location not required on specified date.

NC2 = PID was not functioning properly and no reading was obtained

NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.

NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft

a: Initial reading recorded; however, subsequent follow up reading was <10ppm

b: Depth to water measured with an oil/water interface probe

c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.

d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N 1, N-2, N-3, N-4, N 5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"

e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.

f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).

g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling

h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm

i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".

j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.

k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW12A*									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^{d,e} (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/14/2021	14:15	0.1	0.1	220.48	N-1	-0.03	220.45	No	NA
12/22/2021	12:45	0.0	0.0	220.31	N-1	-0.03	220.28	No ²	NA
12/27/2021	13:05	0.1	0.0	220.29	N-2	-0.03	220.26	No	NA
1/5/2022	11:15	0.0	0.0	219.54	N-2	-0.03	219.51	No	NA
1/12/2022	12:22	0.0	4.1	219.93	N-2	-0.03	219.90	No	NA
1/17/2022	12:00	0.0	0.0	219.93	N-2	-0.03	219.90	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/1/2022	12:05	0.1	0.0	220.19	N-2	-0.03	220.16	No	NA
3/8/2022	10:55	0.1	0.0	220.26	N-2	-0.03	220.23	No	NA
3/15/2022	12:05	0.0	0.0	220.24	N-2	-0.03	220.21	No	NA
3/22/2022	08:30	0.0	0.0	220.29	N-4	-0.14	220.15	No	NA
3/29/2022	10:20	0.1	0.1	220.18	N-3	-0.10	220.08	No	NA
4/4/2022	11:20	0.0	0.0	220.17	N-3	-0.10	220.07	No	NA
4/26/2022	11:00	0.0	0.0	220.17	N-3	-0.10	220.07	No	NA
5/3/2022	11:10	0.0	0.0	220.15	N-3	-0.10	220.05	No	NA
5/10/2022	10:28	0.0	0.0	220.14	N-3	-0.10	220.04	No	NA
5/17/2022	10:40	0.0	0.0	220.21	N-4	-0.14	220.07	No	NA
5/24/2022	11:00	0.0	0.0	220.11	N-3	-0.10	220.01	No	NA
6/1/2022	10:40	0.1	0.0	220.18	N-4	-0.14	220.04	No	NA
6/7/2022	09:55	0.0	0.0	220.20	N-4	-0.14	220.06	No	NA
6/14/2022	09:55	0.0	0.0	220.28	N-4	-0.14	220.14	No	NA
6/21/2022	11:05	0.0	0.0	220.22	N-3	-0.10	220.12	No	NA
6/29/2022	10:35	0.0	0.0	220.32	N-3	-0.10	220.22	No	NA
7/5/2022	08:45	0.0	0.0	220.36	N-3	-0.10	220.26	No	NA
7/11/2022	11:01	0.0	0.0	220.38	N-3	-0.10	220.28	No	NA
8/2/2022	10:20	0.0	0.1	220.49	N-3	-0.10	220.39	No	NA
8/9/2022	09:55	0.0	0.0	220.55	N-3	-0.10	220.45	No	NA
8/16/2022	10:05	0.0	0.0	220.55	N-3	-0.10	220.45	No	NA
8/25/2022	09:35	0.0	0.0	220.63	N-3	-0.10	220.53	No	NA
9/1/2022	10:00	0.0	0.0	220.73	N-4	-0.14	220.59	No	NA
9/7/2022	10:05	0.0	0.0	220.76	N-4	-0.14	220.62	No	NA
9/13/2022	10:35	0.0	0.0	220.70	N-4	-0.14	220.56	No	NA
9/22/2022	08:20	0.0	0.0	220.77	01-8854	-0.18	220.59 ^l	No	NA
9/27/2022	10:50	0.0	0.0	220.61	N-5	-0.03	220.58	No	NA
10/4/2022	09:45	0.0	0.2	220.70	N-3	-0.10	220.60	No	NA
10/18/2022	11:13	0.1	0.0	220.70	N-6	-0.09	220.61	No	NA
10/20/2022	08:00	0.0	0.0	220.75	N-6	-0.09	220.66	No	NA
10/24/2022	10:15	0.0	0.0	220.69	N-5	-0.03	220.66	No	NA
10/27/2022	07:50	0.1	0.2	220.66	N-5	-0.03	220.63	No	NA
11/1/2022	08:20	0.0	0.0	220.78	N-4	-0.14	220.64	No	NA
11/3/2022	10:10	0.0	0.1	220.76	N-6	-0.09	220.67	No	NA
11/7/2022	08:15	0.0	0.0	220.58	N-6	-0.09	220.49	No	NA
11/10/2022	11:20	0.0	0.0	220.72	N-4	-0.14	220.58	No	NA
11/15/2022	07:30	0.0	0.0	220.73	N-6	-0.09	220.64	No	NA
11/17/2022	08:15	0.0	0.0	220.72	N-3	-0.10	220.62	No	NA
11/17/2022	10:05	0.0	0.0	220.74	N-6	-0.09	220.65	No	NA
11/22/2022	08:15	0.0	0.0	220.80	N-4	-0.14	220.66	No	NA
11/29/2022	08:00	0.1	0.1	220.64	N-3	-0.10	220.54	No	NA
12/20/2022	08:10	0.0	0.0	220.64	N-3	-0.10	220.54	No	NA
12/28/2022	09:20	0.0	0.0	220.72	N-4	-0.14	220.58	No	NA
1/4/2023	08:00	1.4	0.0	220.69	N-3	-0.10	220.59	No	NA
1/10/2023	07:50	0.0	0.0	220.78	N-4	-0.14	220.64	No	NA
1/17/2023	08:32	0.0	0.0	220.72	N-3	-0.10	220.62	No	NA
1/25/2023	08:25	0.0	0.0	220.76	N-3	-0.10	220.66	No	NA
2/14/2023	08:15	0.0	0.0	220.62	N-5	-0.03	220.59	No	NA
2/21/2023	09:00	0.0	0.0	220.60	N-5	-0.03	220.57	No	NA
2/28/2023	08:10	0.0	0.0	220.69	N-4	-0.14	220.55	No	NA
3/6/2023	08:30	0.0	0.0	220.53	N-3	-0.10	220.43	No	NA
3/13/2023	08:30	0.0	0.0	220.53	N-3	-0.10	220.43	No	NA
3/20/2023	07:50	0.0	0.0	220.55	N-5	-0.03	220.52	No	NA
3/27/2023	08:15	0.0	0.0	220.55	N-5	-0.03	220.52	No	NA
4/3/2023	08:20	0.0	0.0	220.64	N-3	-0.10	220.54	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N-1, N-2, N-3, N-4, N-5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on RHMW01R and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW13**									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^{d,e} (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/15/2021	09:15	0.0	0.0	NA	NA	NA	NA	No	NA
12/22/2021	08:52	0.0	10.9	NA	NA	NA	NA	No	NA
12/29/2021	09:52	0.0	0.0	NA	NA	NA	NA	No	NA
1/5/2022	08:59	0.0	0.0	NA	NA	NA	NA	No	NA
1/12/2022	08:58	0.0	0.0	NA	NA	NA	NA	No	NA
1/19/2022	09:35	0.0	0.1	NA	NA	NA	NA	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/2/2022	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
3/10/2022	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
3/16/2022	08:57	0.0	0.0	NA	NA	NA	NA	No	NA
3/23/2022	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
3/30/2022	08:10	0.0	0.0	NA	NA	NA	NA	No	NA
4/6/2022	08:37	0.0	0.0	NA	NA	NA	NA	No	NA
4/27/2022	09:20	0.0	0.0	NA	NA	NA	NA	No	NA
5/4/2022	08:25	0.0	0.0	NA	NA	NA	NA	No	NA
5/12/2022	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
5/18/2022	08:10	0.0	0.0	NA	NA	NA	NA	No	NA
5/25/2022	09:20	0.0	0.0	NA	NA	NA	NA	No	NA
6/1/2022	08:00	0.0	0.0	NA	NA	NA	NA	No	NA
6/10/2022	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
6/15/2022	08:02	0.0	0.0	NA	NA	NA	NA	No	NA
6/22/2022	08:40	0.0	0.0	NA	NA	NA	NA	No	NA
6/30/2022	08:05	0.0	0.0	NA	NA	NA	NA	No	NA
7/6/2022	09:08	0.0	0.0	NA	NA	NA	NA	No	NA
7/12/2022	07:55	0.0	0.0	NA	NA	NA	NA	No	NA
8/3/2022	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
8/13/2022	08:00	0.0	0.0	NA	NA	NA	NA	No	NA
8/18/2022	08:25	0.0	0.3	NA	NA	NA	NA	No	NA
8/24/2022	10:22	0.0	0.0	NA	NA	NA	NA	No	NA
8/31/2022	08:38	0.0	0.0	NA	NA	NA	NA	No	NA
9/9/2022	09:08	0.0	0.0	NA	NA	NA	NA	No	NA
9/14/2022	08:10	0.0	0.0	NA	NA	NA	NA	No	NA
9/21/2022	08:41	0.0	0.0	NA	NA	NA	NA	No	NA
9/28/2022	09:35	0.0	0.1	NA	NA	NA	NA	No	NA
10/6/2022	09:36	0.0	0.0	NA	NA	NA	NA	No	NA
10/19/2022	10:11	0.0	0.0	NA	NA	NA	NA	No	NA
10/21/2022	09:41	0.0	0.0	NA	NA	NA	NA	No	NA
10/26/2022	09:21	0.0	0.0	NA	NA	NA	NA	No	NA
10/28/2022	09:27	0.0	0.0	NA	NA	NA	NA	No	NA
10/31/2022	09:04	0.0	0.0	NA	NA	NA	NA	No	NA
11/4/2022	09:50	0.0	0.0	NA	NA	NA	NA	No	NA
11/7/2022	09:03	0.0	0.0	NA	NA	NA	NA	No	NA
11/11/2022	08:31	0.0	0.0	NA	NA	NA	NA	No	NA
11/14/2022	09:30	0.0	0.0	NA	NA	NA	NA	No	NA
11/16/2022	09:17	0.0	0.0	NA	NA	NA	NA	No	NA
11/19/2022	08:34	0.0	0.0	NA	NA	NA	NA	No	NA
11/22/2022	08:58	0.0	0.0	NA	NA	NA	NA	No	NA
11/30/2022	09:15	0.0	0.0	NA	NA	NA	NA	No	NA
12/21/2022	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
12/29/2022	10:00	0.0	0.0	NA	NA	NA	NA	No	NA
1/5/2023	09:35	0.0	0.0	NA	NA	NA	NA	No	NA
1/11/2023	09:03	0.0	0.0	NA	NA	NA	NA	No	NA
1/18/2023	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
1/25/2023	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
2/14/2023	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
2/22/2023	08:40	0.0	0.5	NA	NA	NA	NA	No	NA
2/28/2023	09:10	0.0	0.0	NA	NA	NA	NA	No	NA
3/7/2023	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
3/14/2023	08:48	0.0	0.5	NA	NA	NA	NA	No	NA
3/22/2023	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
3/28/2023	09:23	0.0	0.0	NA	NA	NA	NA	No	NA
4/4/2023	08:44	0.0	0.0	NA	NA	NA	NA	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
 Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N 1, N-2, N-3, N-4, N 5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHHW14**									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^d (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/13/2021	10:35	0.0	0.0	NA	NA	NA	NA	No	NA
12/20/2021	08:50	0.6	0.6	NA	NA	NA	NA	No	NA
12/27/2021	10:05	0.0	0.0	NA	NA	NA	NA	No	NA
1/3/2022	08:18	0.0	0.0	NA	NA	NA	NA	No	NA
1/10/2022	10:05	0.0	0.0	NA	NA	NA	NA	No	NA
1/18/2022	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/1/2022	09:33	0.0	0.0	NA	NA	NA	NA	No	NA
3/8/2022	07:41	0.0	0.0	NA	NA	NA	NA	No	NA
3/15/2022	08:52	0.0	0.0	NA	NA	NA	NA	No	NA
3/22/2022	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
3/29/2022	08:36	0.0	0.0	NA	NA	NA	NA	No	NA
4/5/2022	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
4/26/2022	09:06	0.0	0.0	NA	NA	NA	NA	No	NA
5/3/2022	08:36	0.0	0.0	NA	NA	NA	NA	No	NA
5/10/2022	09:12	0.0	0.0	NA	NA	NA	NA	No	NA
5/17/2022	08:24	0.0	0.0	NA	NA	NA	NA	No	NA
5/24/2022	08:39	0.0	0.0	NA	NA	NA	NA	No	NA
5/31/2022	08:15	0.0	0.0	NA	NA	NA	NA	No	NA
6/7/2022	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
6/14/2022	08:00	0.0	0.0	NA	NA	NA	NA	No	NA
6/21/2022	08:43	0.0	0.0	NA	NA	NA	NA	No	NA
6/29/2022	08:19	0.0	0.0	NA	NA	NA	NA	No	NA
7/5/2022	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
7/14/2022	08:15	0.0	0.0	NA	NA	NA	NA	No	NA
NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3
8/13/2022	12:15	0.0	0.0	NA	NA	NA	NA	No	NA
8/16/2022	08:19	0.0	0.0	NA	NA	NA	NA	No	NA
8/22/2022	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
8/29/2022	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
9/7/2022	08:56	0.0	0.0	NA	NA	NA	NA	No	NA
9/13/2022	08:15	0.0	0.0	NA	NA	NA	NA	No	NA
9/20/2022	08:43	0.0	0.0	NA	NA	NA	NA	No	NA
9/27/2022	08:54	0.0	0.0	NA	NA	NA	NA	No	NA
10/4/2022	08:54	0.0	0.0	NA	NA	NA	NA	No	NA
10/17/2022	08:54	0.0	0.0	NA	NA	NA	NA	No	NA
10/19/2022	14:55	0.0	0.0	NA	NA	NA	NA	No	NA
10/24/2022	09:09	0.0	0.0	NA	NA	NA	NA	No	NA
10/26/2022	13:32	0.0	0.0	NA	NA	NA	NA	No	NA
10/31/2022	13:30	0.0	0.0	NA	NA	NA	NA	No	NA
11/2/2022	08:25	0.0	0.0	NA	NA	NA	NA	No	NA
11/7/2022	09:09	0.0	0.0	NA	NA	NA	NA	No	NA
11/9/2022	09:13	0.0	0.0	NA	NA	NA	NA	No	NA
11/15/2022	08:53	0.0	0.0	NA	NA	NA	NA	No	NA
11/17/2022	08:52	0.0	0.0	NA	NA	NA	NA	No	NA
11/21/2022	08:25	0.0	0.0	NA	NA	NA	NA	No	NA
11/23/2022	08:30	0.0	0.1	NA	NA	NA	NA	No	NA
12/1/2022	08:40	0.0	0.0	NA	NA	NA	NA	No	NA
12/20/2022	12:35	0.0	0.0	NA	NA	NA	NA	No	NA
12/30/2022	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
1/6/2023	08:46	0.0	1.7	NA	NA	NA	NA	No	NA
1/12/2023	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
1/19/2023	08:40	0.0	0.0	NA	NA	NA	NA	No	NA
1/26/2023	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
2/16/2023	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
2/23/2023	08:33	0.0	0.0	NA	NA	NA	NA	No	NA
3/1/2023	09:55	0.0	0.0	NA	NA	NA	NA	No	NA
3/8/2023	12:09	0.0	0.0	NA	NA	NA	NA	No	NA
3/15/2023	13:00	0.0	0.0	NA	NA	NA	NA	No	NA
3/21/2023	08:47	0.0	0.0	NA	NA	NA	NA	No	NA
3/31/2023	09:34	0.0	0.0	NA	NA	NA	NA	No	NA
4/3/2023	08:25	0.0	0.0	NA	NA	NA	NA	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHHW12A and RHHW16 on 22 Dec 21. No fuel product observed.
 Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHHW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N 1, N-2, N-3, N-4, N 5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHHW02 through RHHW06, RHHW08, RHHW09, and OWDFMW01 and are pending results for wells RHHW01R, RHHW12A, RHHW16, RHHW17, RHHW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHHW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHHW15**									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^d (ft btoc)	(Yes/No)	(ft)
12/2/2021	09:15	0.0	1.1	NA	NA	NA	NA	No	NA
12/9/2021	09:30	0.0	0.0	NA	NA	NA	NA	No	NA
12/14/2021	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
12/21/2021	09:09	0.0	0.0	NA	NA	NA	NA	No	NA
12/28/2021	09:00	0.0	0.0	NA	NA	NA	NA	No	NA
1/4/2022	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
1/11/2022	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
1/16/2022	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/4/2022	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
3/7/2022	07:38	0.0	0.0	NA	NA	NA	NA	No	NA
3/14/2022	09:20	0.0	0.0	NA	NA	NA	NA	No	NA
3/21/2022	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
3/28/2022	09:30	0.0	0.0	NA	NA	NA	NA	No	NA
4/4/2022	09:14	0.0	0.0	NA	NA	NA	NA	No	NA
4/25/2022	08:56	0.0	0.0	NA	NA	NA	NA	No	NA
5/2/2022	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
5/9/2022	09:11	0.0	0.0	NA	NA	NA	NA	No	NA
5/16/2022	08:26	0.0	0.0	NA	NA	NA	NA	No	NA
5/23/2022	08:23	0.0	0.0	NA	NA	NA	NA	No	NA
6/3/2022	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
6/6/2022	09:21	0.0	0.0	NA	NA	NA	NA	No	NA
6/13/2022	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
6/20/2022	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
6/28/2022	09:08	0.0	0.0	NA	NA	NA	NA	No	NA
7/8/2022	10:40	0.0	0.0	NA	NA	NA	NA	No	NA
7/11/2022	08:51	0.0	0.0	NA	NA	NA	NA	No	NA
8/2/2022	09:32	0.0	2.5 ⁱ	NA	NA	NA	NA	No	NA
8/12/2022	08:26	0.0	0.5	NA	NA	NA	NA	No	NA
8/15/2022	08:15	0.0	0.0	NA	NA	NA	NA	No	NA
8/23/2022	09:02	0.0	1.3	NA	NA	NA	NA	No	NA
8/30/2022	09:36	0.0	0.0	NA	NA	NA	NA	No	NA
9/6/2022	09:50	0.0	0.0	NA	NA	NA	NA	No	NA
9/12/2022	09:00	0.0	0.0	NA	NA	NA	NA	No	NA
9/19/2022	09:36	0.0	0.0	NA	NA	NA	NA	No	NA
9/26/2022	10:20	0.0	0.0	NA	NA	NA	NA	No	NA
10/4/2022	10:05	0.0	0.0	NA	NA	NA	NA	No	NA
10/18/2022	10:38	0.0	0.0	NA	NA	NA	NA	No	NA
10/20/2022	08:56	0.0	0.0	NA	NA	NA	NA	No	NA
10/25/2022	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
10/27/2022	08:44	0.0	0.0	NA	NA	NA	NA	No	NA
11/1/2022	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
11/3/2022	08:56	0.0	0.0	NA	NA	NA	NA	No	NA
11/8/2022	10:45	0.0	0.0	NA	NA	NA	NA	No	NA
11/10/2022	09:20	0.0	0.0	NA	NA	NA	NA	No	NA
11/15/2022	09:09	0.0	0.0	NA	NA	NA	NA	No	NA
11/17/2022	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
11/20/2022	09:50	0.0	0.0	NA	NA	NA	NA	No	NA
11/22/2022	08:40	0.0	0.1	NA	NA	NA	NA	No	NA
11/28/2022	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
12/19/2022	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
12/27/2022	08:36	0.0	0.0	NA	NA	NA	NA	No	NA
1/3/2023	08:32	0.0	0.0	NA	NA	NA	NA	No	NA
1/9/2023	08:57	0.0	0.0	NA	NA	NA	NA	No	NA
1/16/2023	08:50	0.0	0.1	NA	NA	NA	NA	No	NA
1/23/2023	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
2/13/2023	09:41	0.0	0.0	NA	NA	NA	NA	No	NA
2/20/2023	09:16	0.0	0.0	NA	NA	NA	NA	No	NA
3/2/2023	09:10	0.0	0.0	NA	NA	NA	NA	No	NA
3/9/2023	08:47	0.0	0.0	NA	NA	NA	NA	No	NA
3/16/2023	08:37	0.0	0.0	NA	NA	NA	NA	No	NA
3/23/2023	09:10	0.0	0.0	NA	NA	NA	NA	No	NA
3/30/2023	09:30	0.0	0.0	NA	NA	NA	NA	No	NA
4/6/2023	08:40	0.0	0.0	NA	NA	NA	NA	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHHW12A and RHHW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHHW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N 1, N-2, N-3, N-4, N 5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHHW02 through RHHW06, RHHW08, RHHW09, and OWDFMW01 and are pending results for wells RHHW01R, RHHW12A, RHHW16, RHHW17, RHHW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHHW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW16*									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/14/2021	09:30	0.1	0.1	202.28	N-1	-0.03	202.25	No	NA
12/22/2021	09:09	NC2	NC2	201.54	N-1	-0.03	201.51	No ²	NA
12/29/2021	07:45	0.0	0.6	201.54	N-1	-0.03	201.51	No	NA
1/5/2022	08:00	0.0	0.0	201.22	N-2	-0.03	201.19	No	NA
1/12/2022	08:20	0.0	0.0	201.16	N-2	-0.03	201.13	No	NA
1/17/2022	08:45	0.0	0.1	201.13	N-2	-0.03	201.10	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/1/2022	07:30	0.1	0.0	201.98	N-2	-0.03	201.95	No	NA
3/8/2022	07:30	0.1	0.0	201.51	N-2	-0.03	201.48	No	NA
3/15/2022	09:10	0.0	3.4	201.54	N-2	-0.03	201.51	No	NA
3/22/2022	11:45	0.0	0.0	201.52	N-4	-0.13	201.39	No	NA
3/31/2022	08:45	0.1	6.7	201.45	N-3	-0.09	201.36	No	NA
4/4/2022	07:50	0.0	0.5	201.44	N-3	-0.09	201.35	No	NA
4/26/2022	08:00	0.0	0.0	201.42	N-3	-0.09	201.33	No	NA
5/3/2022	08:00	0.0	0.0	201.40	N-3	-0.09	201.31	No	NA
5/10/2022	08:00	0.0	0.0	201.41	N-3	-0.09	201.32	No	NA
5/17/2022	08:10	0.0	0.0	201.45	N-4	-0.13	201.32	No	NA
5/23/2022	08:20	0.1	0.7	201.37	N-3	-0.09	201.28	No	NA
6/1/2022	07:50	0.1	0.0	201.42	N-4	-0.13	201.29	No	NA
6/7/2022	08:00	0.0	0.0	201.46	N-4	-0.13	201.33	No	NA
6/14/2022	07:51	0.0	0.0	201.50	N-4	-0.13	201.37	No	NA
6/21/2022	08:40	0.0	0.0	201.47	N-3	-0.09	201.38	No	NA
6/29/2022	08:00	0.0	0.0	201.57	N-3	-0.09	201.48	No	NA
7/8/2022	10:25	0.0	0.1	201.58	N-3	-0.09	201.49	No	NA
7/11/2022	08:15	0.0	0.0	201.62	N-3	-0.09	201.53	No	NA
8/2/2022	08:10	0.0	0.1	201.74	N-3	-0.09	201.65	No	NA
8/9/2022	08:10	0.0	0.0	201.77	N-3	-0.09	201.68	No	NA
8/16/2022	08:00	0.0	0.0	201.83	N-3	-0.09	201.74	No	NA
8/25/2022	07:55	0.0	0.9	201.88	N-3	-0.09	201.79	No	NA
9/1/2022	08:09	0.0	0.1	201.96	N-4	-0.13	201.83	No	NA
9/7/2022	08:00	0.0	0.0	201.99	N-4	-0.13	201.86	No	NA
9/13/2022	07:55	0.0	0.0	201.93	N-4	-0.13	201.80	No	NA
9/22/2022	11:20	0.0	0.0	201.96	01-8854	-0.19	201.77 ^l	No	NA
9/27/2022	08:10	0.0	0.2	201.85	N-5	-0.03	201.82	No	NA
10/4/2022	07:50	0.0	0.2	201.95	N-3	-0.09	201.86	No	NA
10/18/2022	08:15	0.0	0.3	201.97	N-6	-0.08	201.89	No	NA
10/20/2022	10:35	0.1	0.0	201.93	N-6	-0.08	201.85	No	NA
10/24/2022	08:15	0.0	0.0	201.91	N-5	-0.03	201.88	No	NA
10/27/2022	10:03	0.1	0.1	201.90	N-5	-0.03	201.87	No	NA
11/1/2022	11:08	0.0	0.1	201.96	N-4	-0.13	201.83	No	NA
11/3/2022	08:00	0.0	0.1	202.18	N-6	-0.08	202.10	No	NA
11/7/2022	11:00	0.0	0.0	201.75	N-6	-0.08	201.67	No	NA
11/10/2022	08:45	0.0	0.0	201.96	N-4	-0.13	201.83	No	NA
11/15/2022	09:35	0.0	0.1	201.94	N-6	-0.08	201.86	No	NA
11/17/2022	10:20	0.0	0.1	201.94	N-3	-0.09	201.85	No	NA
11/19/2022	12:30	0.0	0.0	201.93	N-6	-0.08	201.85	No	NA
11/22/2022	10:10	0.0	0.0	202.00	N-4	-0.13	201.87	No	NA
11/29/2022	09:45	0.1	0.1	201.83	N-3	-0.09	201.74	No	NA
12/20/2022	11:02	0.0	0.0	201.82	N-3	-0.09	201.73	No	NA
12/28/2022	12:15	0.0	0.0	201.87	N-4	-0.13	201.74	No	NA
1/4/2023	10:45	0.0	0.0	201.90	N-3	-0.09	201.81	No	NA
1/10/2023	11:05	0.0	0.0	201.97	N-4	-0.13	201.84	No	NA
1/17/2023	13:27	0.0	0.1	201.87	N-3	-0.09	201.78	No	NA
1/25/2023	11:50	0.0	0.0	201.95	N-3	-0.09	201.86	No	NA
2/14/2023	10:55	0.0	0.0	201.81	N-5	-0.03	201.78	No	NA
2/21/2023	13:20	0.0	0.0	201.76	N-5	-0.03	201.73	No	NA
2/28/2023	11:00	0.0	0.0	201.89	N-4	-0.13	201.76	No	NA
3/6/2023	11:50	0.0	0.0	201.72	N-3	-0.09	201.63	No	NA
3/13/2023	12:15	0.0	0.0	201.72	N-3	-0.09	201.63	No	NA
3/20/2023	10:45	0.0	0.1	201.77	N-5	-0.03	201.74	No	NA
3/27/2023	12:30	0.0	0.0	201.72	N-5	-0.03	201.69	No	NA
4/3/2023	11:05	0.0	0.0	201.85	N-3	-0.09	201.76	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
 Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N-1, N-2, N-3, N-4, N-5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW17									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^{d,e} (ft btoc)	(Yes/No)	(ft)
6/15/2022 ^g	12:20	0.0	8.8	237.90	N-4	-0.14	237.76	No	NA
6/23/2022	12:05	0.0	0.1	234.00	N-1	0.00	234.00	No	NA
7/1/2022	12:40	0.0	0.0	234.09	N-4	-0.14	233.95	No	NA
7/6/2022	11:55	0.0	0.0	234.07	N-3	-0.10	233.97	No	NA
7/12/2022	12:40	0.0	0.0	234.07	N-3	-0.10	233.97	No	NA
8/3/2022	10:45	0.0	0.0	234.21	N-2	-0.03	234.18	No	NA
8/10/2022	10:50	0.0	0.2	234.25	N-3	-0.10	234.15	No	NA
8/17/2022	10:20	0.0	0.0	234.33	N-4	-0.14	234.19	No	NA
8/24/2022	11:20	0.1	0.3	234.36	N-3	-0.10	234.26	No	NA
8/31/2022	12:13	0.0	0.0	234.44	N-4	-0.14	234.30	No	NA
9/9/2022	12:50	0.0	0.0	234.23	N-4	-0.14	234.09	No	NA
9/14/2022	10:53	0.0	0.0	234.50	N-4	-0.14	234.36	No	NA
9/21/2022	12:15	0.0	0.0	234.52	01-8854	-0.20	234.32 ^j	No	NA
9/28/2022	14:15	0.0	0.1	234.41	N-3	-0.10	234.31	No	NA
10/5/2022	12:17	0.0	0.3	234.44	N-3	-0.10	234.34	No	NA
10/19/2022	11:10	0.0	0.0	234.49	N-6	-0.09	234.40	No	NA
10/21/2022	11:25	0.0	0.0	234.54	N-3	-0.10	234.44	No	NA
10/25/2022	11:55	0.0	0.0	234.52	N-3	-0.10	234.42	No	NA
10/28/2022	11:45	0.0	0.1	234.45	N-4	-0.14	234.31	No	NA
11/1/2022	12:15	0.0	0.0	234.45	N-3	-0.10	234.35	No	NA
11/3/2022	11:00	0.0	0.0	234.49	N-5	-0.03	234.46	No	NA
11/8/2022	11:50	0.0	0.0	234.45	N-4	-0.14	234.31	No	NA
11/10/2022	11:10	0.0	0.0	234.40	N-5	-0.03	234.37	No	NA
11/15/2022	11:15	0.0	0.0	234.55	N-4	-0.14	234.41	No	NA
11/17/2022	12:41	0.0	0.0	234.56	N-4	-0.14	234.42	No	NA
11/20/2022	11:25	0.0	0.0	234.56	N-3	-0.10	234.46	No	NA
11/22/2022	08:10	0.0	0.0	234.45	N-5	-0.03	234.42	No	NA
11/30/2022	10:35	0.0	0.0	234.36	N-5	-0.03	234.33	No	NA
12/21/2022	11:15	0.0	0.0	234.44	N-3	-0.10	234.34	No	NA
12/30/2022	10:39	0.0	0.0	234.43	N-3	-0.10	234.33	No	NA
1/6/2023	10:23	0.0	0.1	234.50	N-3	-0.10	234.40	No	NA
1/12/2023	10:55	0.0	0.0	234.51	N-6	-0.09	234.42	No	NA
1/19/2023	10:57	0.0	0.0	234.47	N-3	-0.10	234.37	No	NA
1/26/2023	12:58	0.0	0.0	234.49	N-3	-0.10	234.39	No	NA
2/16/2023	12:45	0.0	0.0	234.38	N-3	-0.10	234.28	No	NA
2/23/2023	11:18	0.0	0.0	234.40	N-5	-0.03	234.37	No	NA
3/2/2023	13:30	0.0	0.0	234.23	N-5	-0.03	234.20	No	NA
3/9/2023	08:28	0.0	0.0	234.38	N-6	-0.09	234.29	No	NA
3/16/2023	12:10	0.0	0.0	234.31	N-3	-0.10	234.21	No	NA
3/23/2023	12:00	0.0	0.0	234.39	N-3	-0.10	234.29	No	NA
3/30/2023	11:34	1.0	1.0	234.34	N-6	-0.09	234.25	No	NA
4/6/2023	13:15	0.0	0.0	234.38	N-4	-0.14	234.24	No	NA

^aWell screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.

Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the water's surface.

1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.

2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.

Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.

^{**}Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.

Headspace is measured from Westbay wells for almost all canister pulls. The highest reading measured for each sample is shown in this spreadsheet.

Samples collected from Westbay wells will be observed for free product during collection and will be noted.

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NM = No measurement taken, due to equipment installed in well.

NC = Not collected

NC1 = Not required in DOH Notice of Interest Letter of 24 Nov 21.

NC2 = PID was not functioning properly and no reading was obtained

NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.

NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft

a: Initial reading recorded; however, subsequent follow up reading was <10ppm

b: Depth to water measured with an oil/water interface probe

c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.

d: Depth to water measurements are corrected for water level meter calibrations and horizontal well displacement, see correction factor tables for corrections factors and corrected values per water level meter and well. Solinst N-1 and Solinst N-2 water level meters are calibrated by USGS, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated January 24, 2020. Solinst water level meters N-1, N-2, N-3, N-4, N-5 and N-6 were calibrated by the USGS in a September 20 - 22 2022 event, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated December 14, 2022. Correction factors for N-1 and N-2 were updated beginning September 20th and measurements prior using the 2020 correction factors. Horizontal displacement correction factors are applied to wells RHMW02, RHMW03, RHMW04, RHMW05, RHMW06, RHMW08, RHMW09, and ^eSolinst N-3, N-4, N-5, and N-6 were introduced in March 2023, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.

f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).

g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling

h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on canister 1 and when re-read all 4 canisters on run 5 had consistent PID readings of 2.5 ppm

i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".

j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.

k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW19									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/13/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/20/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/27/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
1/7/2022	14:20	0.1	0.3	426.07	N-2	-0.06	426.01	No	NA
1/12/2022	09:10	0.0	0.0	426.09	N-2	-0.06	426.03	No	NA
1/19/2022	08:20	0.0	0.0	425.84	N-2	-0.06	425.78	No	NA
1/25/2022	08:00	0.0	0.0	425.84	N-2	-0.06	425.78	No	NA
2/2/2022	10:25	0.0	0.0	426.32	N-2	-0.06	426.26	No	NA
2/9/2022	09:08	0.0	0.0	426.41	N-2	-0.06	426.35	No	NA
2/17/2022	07:55	0.0	0.0	426.48	N-2	-0.06	426.42	No	NA
2/24/2022	07:15	0.0	0.0	426.28	N-2	-0.06	426.22	No	NA
3/4/2022	13:45	0.0	0.0	426.23	N-2	-0.06	426.17	No	NA
3/9/2022	07:40	0.0	0.0	426.49	N-4	-0.12	426.37	No	NA
3/14/2022	08:30	0.0	0.0	426.50	N-4	-0.12	426.38	No	NA
3/21/2022	08:10	0.0	0.0	426.48	N-4	-0.12	426.36	No	NA
3/28/2022	08:10	0.0	0.0	426.47	N-4	-0.12	426.35	No	NA
4/8/2022	08:25	0.0	0.0	426.39	N-3	-0.06	426.33	No	NA
4/28/2022	12:45	0.0	0.0	426.13	N-3	-0.06	426.07	No	NA
5/2/2022	11:40	0.0	0.0	426.41	N-4	-0.12	426.29	No	NA
5/9/2022	11:20	0.0	0.0	426.40	N-4	-0.12	426.28	No	NA
5/18/2022	10:38	0.0	0.0	426.34	N-4	-0.12	426.22	No	NA
5/25/2022	10:20	0.0	0.0	426.30	N-4	-0.12	426.18	No	NA
6/1/2022	11:05	0.0	0.0	426.33	N-3	-0.06	426.27	No	NA
6/6/2022	12:00	0.0	0.0	426.15	N-3	-0.06	426.09	No	NA
6/16/2022	15:35	0.0	0.0	426.38	N-3	-0.06	426.32	No	NA
6/20/2022	10:40	0.0	0.0	426.43	N-3	-0.06	426.37	No	NA
6/28/2022	11:07	0.0	0.0	426.33	N-3	-0.06	426.27	No	NA
7/5/2022	11:42	0.0	0.0	426.60	N-4	-0.12	426.48	No	NA
7/11/2022	08:52	0.0	0.0	426.64	N-4	-0.12	426.52	No	NA
8/1/2022	10:45	0.0	0.0	426.76	N-4	-0.12	426.64	No	NA
8/8/2022	10:25	0.0	0.0	426.79	N-4	-0.12	426.67	No	NA
8/15/2022	10:38	0.0	0.0	426.83	N-4	-0.12	426.71	No	NA
8/22/2022	10:30	0.0	0.0	426.89	N-4	-0.12	426.77	No	NA
8/29/2022	10:35	0.0	0.0	426.90	N-4	-0.12	426.78	No	NA
9/7/2022	09:30	0.0	0.0	426.70	N-3	-0.06	426.64	No	NA
9/12/2022	09:35	0.0	0.0	426.88	N-3	-0.06	426.82	No	NA
9/19/2022	12:20	0.0	0.0	427.28	01-8607	-0.43	426.85	No	NA
9/26/2022	11:10	0.0	0.0	426.90	N-3	-0.06	426.84	No	NA
10/3/2022	10:25	0.0	0.0	426.99	N-4	-0.12	426.87	No	NA
10/17/2022	10:15	0.0	0.0	427.10	N-4	-0.12	426.98	No	NA
10/19/2022	10:30	0.0	0.0	426.79	N-4	-0.12	426.67	No	NA
10/24/2022	10:20	0.0	0.1	426.83	N-4	-0.12	426.71	No	NA
10/26/2022	08:40	0.0	0.0	426.75	N-5	-0.03	426.72	No	NA
10/31/2022	10:23	0.0	0.0	426.95	N-6	-0.10	426.85	No	NA
11/2/2022	11:20	0.0	0.0	427.02	N-4	-0.12	426.90	No	NA
11/7/2022	10:51	0.0	0.0	426.68	N-3	-0.06	426.62	No	NA
11/9/2022	12:00	0.0	0.0	426.74	N-4	-0.12	426.62	No	NA
11/14/2022	11:24	0.0	0.0	426.78	N-4	-0.12	426.66	No	NA
11/16/2022	10:43	0.0	0.0	426.95	N-6	-0.10	426.85	No	NA
11/19/2022	10:15	0.0	0.0	426.91	N-5	-0.03	426.88	No	NA
11/21/2022	08:00	0.0	0.0	427.04	N-4	-0.12	426.92	No	NA
11/28/2022	10:15	0.0	0.0	426.48	N-3	-0.06	426.42	No	NA
12/23/2022	09:03	0.1	0.0	426.82	N-3	-0.06	426.76	No	NA
12/27/2022	09:55	0.1	0.0	426.61	N-5	-0.03	426.58	No	NA
1/3/2023	08:55	0.0	0.0	426.83	N-5	-0.03	426.80	No	NA
1/9/2023	08:30	0.0	0.0	426.88	N-5	-0.03	426.85	No	NA
1/16/2023	09:30	0.0	0.0	426.95	N-6	-0.10	426.85	No	NA
1/23/2023	13:14	0.2	0.0	426.88	N-5	-0.03	426.85	No	NA
2/13/2023	10:10	0.0	0.0	426.61	N-5	-0.03	426.58	No	NA
2/20/2023	10:35	0.0	0.0	426.73	N-4	-0.12	426.61	No	NA
2/27/2023	10:20	0.0	0.0	426.68	N-6	-0.10	426.58	No	NA
3/6/2023	10:10	0.0	0.0	426.50	N-5	-0.03	426.47	No	NA
3/13/2023	10:17	0.0	0.0	426.62	N-4	-0.12	426.50	No	NA
3/20/2023	10:30	0.0	0.0	426.64	N-6	-0.10	426.54	No	NA
3/27/2023	11:04	0.0	0.0	426.60	N-6	-0.10	426.50	No	NA
4/3/2023	09:30	0.0	0.0	426.60	N-5	-0.03	426.57	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
 Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N-1, N-2, N-3, N-4, N-5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

OWDFMW01*									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Corrected	DTW ^d	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		DTW ^{d,e} (ft btoc)	(ft btoc)	(Yes/No)	(ft)
12/1/2021	11:40	0.1	0.1	120.44	N-2	-0.05	120.39	No ¹	NA
12/8/2021	13:05	0.2	0.1	120.05	N-2	-0.05	120.00	No	NA
12/13/2021	08:20	0.0	0.0	119.98	N-2	-0.05	119.93	No	NA
12/21/2021	11:30	0.0	0.0	119.76	N-1	-0.05	119.71	No	NA
12/27/2021	14:00	0.0	0.0	119.75	N-2	-0.05	119.70	No	NA
1/4/2022	12:40	0.0	0.0	119.52	N-2	-0.05	119.47	No	NA
1/11/2022	07:40	0.0	0.0	119.45	N-2	-0.05	119.40	No	NA
1/17/2022	09:00	0.0	0.0	119.47 ^b	01-7350	-0.03	119.44 ^b	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/3/2022	10:45	0.0	0.0	119.88 ^b	311836	-0.03	119.85 ^b	No	NA
3/10/2022	07:25	0.0	0.0	119.91	N-3	-0.10	119.81	No	NA
3/15/2022	12:51	0.0	0.0	119.88	N-3	-0.10	119.78	No	NA
3/23/2022	08:18	0.0	0.0	119.55	N-3	-0.10	119.45	No	NA
3/30/2022	08:10	0.5	0.0	119.68	N-3	-0.10	119.58	No	NA
4/7/2022	08:45	0.0	0.0	119.84	N-3	-0.10	119.74	No	NA
4/27/2022	08:15	0.0	0.0	119.63	N-3	-0.10	119.53	No	NA
5/4/2022	08:15	0.0	0.0	119.64	N-3	-0.10	119.54	No	NA
5/11/2022	08:20	0.0	0.0	119.82	N-3	-0.10	119.72	No	NA
5/20/2022	09:30	0.0	0.0	119.81	N-3	-0.10	119.71	No	NA
5/25/2022	07:50	0.0	0.0	119.87	N-3	-0.10	119.77	No	NA
5/31/2022	08:00	0.0	0.0	119.80	N-3	-0.10	119.70	No	NA
6/9/2022	07:45	0.0	0.0	119.92	N-4	-0.13	119.79	No	NA
6/15/2022	08:02	0.0	0.0	119.92	N-4	-0.13	119.79	No	NA
6/24/2022	07:45	0.0	0.0	120.00	N-4	-0.13	119.87	No	NA
6/28/2022	09:00	0.1	0.0	119.79	N-4	-0.13	119.66	No	NA
7/6/2022	08:00	0.0	0.0	120.02	N-3	-0.10	119.92	No	NA
7/12/2022	08:00	0.0	0.0	120.05	N-3	-0.10	119.95	No	NA
8/3/2022	07:50	0.0	0.1	119.98	N-3	-0.10	119.88	No	NA
8/10/2022	08:00	0.0	0.0	120.15	N-3	-0.10	120.05	No	NA
8/17/2022	11:05	0.0	0.0	119.67	N-3	-0.10	119.57	No	NA
8/24/2022	08:00	0.0	0.0	120.29	N-3	-0.10	120.19	No	NA
8/31/2022	08:35	0.0	0.0	120.36	N-3	-0.10	120.26	No	NA
9/9/2022	07:40	0.0	0.0	120.37	N-4	-0.13	120.24	No	NA
9/14/2022	07:55	0.0	0.0	120.31	N-1	-0.05	120.26	No	NA
9/21/2022	08:10	0.0	0.0	120.52	287303	-0.21	120.31 ^l	No	NA
9/28/2022	08:20	0.0	0.6	120.38	N-3	-0.10	120.28	No	NA
10/5/2022	08:00	0.0	0.1	120.42	N-3	-0.10	120.32	No	NA
10/19/2022	08:00	0.0	0.0	120.44	N-6	-0.10	120.34	No	NA
10/21/2022	07:50	0.0	0.0	120.46	N-3	-0.10	120.36	No	NA
10/25/2022	08:00	0.0	0.0	120.45	N-3	-0.10	120.35	No	NA
10/28/2022	07:45	0.0	0.1	120.44	N-3	-0.10	120.34	No	NA
11/2/2022	08:10	0.0	0.0	120.41	N-5	-0.04	120.37	No	NA
11/4/2022	07:50	0.0	0.0	120.41	N-3	-0.10	120.31	No	NA
11/9/2022	09:25	0.0	0.0	120.35	N-6	-0.10	120.25	No	NA
11/11/2022	08:05	0.0	0.0	120.36	N-3	-0.10	120.26	No	NA
11/16/2022	08:20	0.0	0.0	120.42	N-3	-0.10	120.32	No	NA
11/18/2022	08:00	0.2	5.3	120.37	N-5	-0.04	120.33	No	NA
11/20/2022	07:25	0.0	0.0	120.43	N-6	-0.10	120.33	No	NA
11/23/2022	07:45	0.0	0.0	120.40	N-3	-0.10	120.30	No	NA
11/30/2022	08:00	0.0	0.0	120.28	N-5	-0.04	120.24	No	NA
12/21/2022	08:12	0.0	0.0	120.35	N-3	-0.10	120.25	No	NA
12/30/2022	07:40	0.0	0.2	120.35	N-3	-0.10	120.25	No	NA
1/6/2023	08:00	0.0	0.1	120.39	N-3	-0.10	120.29	No	NA
1/12/2023	07:55	0.0	0.0	120.41	N-6	-0.10	120.31	No	NA
1/19/2023	07:47	0.0	0.0	120.37	N-3	-0.10	120.27	No	NA
1/26/2023	08:40	0.0	0.0	120.45	N-3	-0.10	120.35	No	NA
2/16/2023	08:35	0.0	7.6	120.32	N-3	-0.10	120.22	No	NA
2/23/2023	08:00	0.0	0.0	120.26	N-5	-0.04	120.22	No	NA
3/2/2023	08:05	0.0	0.0	120.22	N-5	-0.04	120.18	No	NA
3/9/2023	10:47	0.0	0.0	120.22	N-6	-0.10	120.12	No	NA
3/16/2023	08:10	0.0	0.0	120.25	N-3	-0.10	120.15	No	NA
3/23/2023	08:20	0.0	0.0	120.28	N-3	-0.10	120.18	No	NA
3/30/2023	08:18	0.2	0.1	120.29	N-6	-0.10	120.19	No	NA
4/6/2023	09:05	0.0	0.0	120.31	N-4	-0.13	120.18	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N 1, N-2, N-3, N-4, N 5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

RHMW2254-01									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/8/2021	10:03	0.0	110.1	NA	NA	NA	NA	Yes	NA
12/15/2021	08:15	0.0	78.4	NA	NA	NA	NA	Yes	NA
12/21/2021	08:10	0.4	0.4	NA	NA	NA	NA	No	NA
12/27/2021	09:00	0.0	0.0	NA	NA	NA	NA	No	NA
1/3/2022	08:20	0.4	0.4	NA	NA	NA	NA	No	NA
1/10/2022	09:30	0.2	0.2	NA	NA	NA	NA	No	NA
1/20/2022	08:50	1.1	1.1	NA	NA	NA	NA	No	NA
1/24/2022	08:00	0.1	0.1	NA	NA	NA	NA	No	NA
2/3/2022	08:35	1.6	1.6	87.86	N-1	-0.01	87.85	No	NA
2/10/2022	08:45	0.0	0.0	87.91	N-1	-0.01	87.90	No	NA
2/17/2022	08:15	0.6	0.6	87.90	N-1	-0.01	87.89	No	NA
2/22/2022	08:23	1.4	1.4	87.96	N-1	-0.01	87.95	No	NA
3/3/2022	08:10	0.2	0.2	88.12 ^b	311836	0.00	88.12 ^b	No	NA
3/9/2022	12:50	0.0	0.0	88.01	N-2	-0.01	88.00	No	NA
3/17/2022	08:30	0.0	0.0	87.99	N-2	-0.01	87.98	No	NA
3/24/2022	08:30	0.8	0.8	87.97	N-2	-0.01	87.96	No	NA
3/29/2022	09:55	0.0	0.0	87.94	N-2	-0.01	87.93	No	NA
4/7/2022	09:45	0.3	0.3	87.86	N-1	-0.01	87.85	No	NA
4/28/2022	10:00	0.1	0.1	87.83	N-1	-0.01	87.82	No	NA
5/5/2022	10:20	0.4	0.4	87.81	N-1	-0.01	87.80	No	NA
5/12/2022	08:45	0.0	0.0	87.84	N-1	-0.01	87.83	No	NA
5/19/2022	08:30	0.0	0.0	87.88	N-1	-0.01	87.87	No	NA
5/26/2022	10:15	0.0	0.0	87.82	N-1	-0.01	87.81	No	NA
6/2/2022	09:37	0.0	0.1	88.08	N-2	-0.01	88.07	No	NA
6/9/2022	08:30	0.0	0.0	88.17	N-1	-0.01	88.16	No	NA
6/16/2022	08:15	0.0	0.0	87.96	N-1	-0.01	87.95	No	NA
6/23/2022	09:36	0.0	0.0	87.99	N-1	-0.01	87.98	No	NA
7/1/2022	08:55	0.0	0.0	88.09	N-1	-0.01	88.08	No	NA
7/7/2022	08:35	0.0	0.0	88.08	N-1	-0.01	88.07	No	NA
7/13/2022	08:18	0.0	0.0	88.09	N-1	-0.01	88.08	No	NA
8/4/2022	08:40	0.0	0.0	88.12	N-1	-0.01	88.11	No	NA
8/11/2022	12:55	0.0	0.0	88.16	N-1	-0.01	88.15	No	NA
8/18/2022	11:30	0.0	0.3	88.08	N-1	-0.01	88.07	No	NA
8/25/2022	09:50	0.0	0.0	88.53	N-1	-0.01	88.52	Yes ⁱ	0.0
9/1/2022	09:34	0.1	0.1	88.46	N-1	-0.01	88.45	No	NA
9/8/2022	08:15	0.0	0.0	88.48	N-1	-0.01	88.47	No	NA
9/15/2022	08:05	0.0	0.0	88.48	N-1	-0.01	88.47	No	NA
9/22/2022	11:55	0.1	0.1	88.86	01-8859	0.00	88.86 ^j	No	NA
9/29/2022	08:36	0.0	0.0	88.45	N-3	-0.06	88.39	No	NA
10/6/2022	08:20	0.0	0.0	88.47	N-1	-0.02	88.45	No	NA
10/18/2022	08:18	0.0	0.0	88.49	N-5	0.00	88.49	No	NA
10/20/2022	08:45	0.0	0.0	88.46	N-1	-0.02	88.44	No	NA
10/25/2022	08:40	0.0	0.0	88.62	N-5	0.00	88.62	No	NA
10/27/2022	08:00	0.0	0.0	88.46	N-3	-0.06	88.40	No	NA
11/1/2022	08:30	0.0	0.0	88.66	N-3	-0.06	88.60	No	NA
11/3/2022	08:20	0.0	0.0	88.43	N-5	0.00	88.43	No	NA
11/8/2022	09:40	0.0	0.0	88.42	N-4	-0.08	88.34	No	NA
11/10/2022	08:30	0.0	0.0	88.56	N-5	0.00	88.56	No	NA
11/15/2022	07:55	0.0	0.0	88.79	N-4	-0.08	88.71	No	NA
11/17/2022	10:44	0.0	0.0	88.64	N-4	-0.08	88.56	No	NA
11/20/2022	08:38	0.0	0.0	88.52	N-3	-0.06	88.46	No	NA
11/22/2022	10:03	0.2	0.2	88.38	N-5	0.00	88.38	No	NA
12/1/2022	11:25	0.0	0.0	88.36	N-6	-0.06	88.30	No	NA
12/21/2022	12:24	0.0	0.0	88.25	N-5	0.00	88.25	No	NA
12/29/2022	11:05	0.0	0.0	88.46	N-5	0.00	88.46	No	NA
1/5/2023	08:32	0.0	0.0	88.32	N-5	0.00	88.32	No	NA
1/11/2023	11:00	0.0	0.0	88.63	N-3	-0.06	88.57	No	NA
1/18/2023	11:07	0.0	0.0	88.57	N-3	-0.06	88.51	No	NA
1/26/2023	11:45	0.0	0.0	88.64	N-4	-0.08	88.56	No	NA
2/15/2023	11:43	0.0	0.0	88.23	N-3	-0.06	88.17	No	NA
2/22/2023	11:50	0.0	0.0	88.33	N-3	-0.06	88.27	No	NA
3/1/2023	10:25	0.0	0.0	88.26	N-3	-0.06	88.20	No	NA
3/8/2023	11:00	0.0	0.0	88.34	N-6	-0.06	88.28	No	NA
3/16/2023	11:10	0.0	0.0	88.24	N-6	-0.06	88.18	No	NA
3/22/2023	09:48	0.0	0.0	88.37	N-5	0.00	88.37	No	NA
3/29/2023	10:20	0.0	0.0	88.53	N-4	-0.08	88.45	No	NA
4/5/2023	08:45	0.0	0.0	88.29	N-5	0.00	88.29	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the water surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N-1, N-2, N-3, N-4, N-5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

OWDFMW04A									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/13/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/20/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/30/2021	08:49	13.1	0.0	148.55	N-1	-0.02	148.53	No	NA
1/6/2022	12:40	0.0	0.0	148.23	N-2	-0.02	148.21	No	NA
1/13/2022	11:30	0.0	0.0	148.23	N-2	-0.02	148.21	No	NA
1/16/2022	11:48	0.0	0.0	148.19	N-2	-0.02	148.17	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/2/2022	10:40	0.1	0.0	148.69	N-2	-0.02	148.67	No	NA
3/9/2022	10:30	0.1	0.0	148.40	N-3	-0.08	148.32	No	NA
3/16/2022	11:20	0.1	0.0	148.68	N-3	-0.08	148.60	No	NA
3/21/2022	11:20	0.4	0.2	148.68	N-3	-0.08	148.60	No	NA
3/28/2022	10:50	0.1	0.0	148.63	N-3	-0.08	148.55	No	NA
4/5/2022	10:20	0.0	0.2	148.61	N-3	-0.08	148.53	No	NA
4/25/2022	10:04	0.0	0.0	148.62	N-3	-0.08	148.54	No	NA
5/2/2022	11:00	0.0	0.0	148.62	N-3	-0.08	148.54	No	NA
5/9/2022	12:15	0.0	0.0	148.57	N-3	-0.08	148.49	No	NA
5/18/2022	10:18	0.0	0.0	148.65	N-4	-0.11	148.54	No	NA
5/23/2022	12:10	0.0	0.0	148.56	N-3	-0.08	148.48	No	NA
6/3/2022	10:10	0.1	0.0	148.63	N-4	-0.11	148.52	No	NA
6/6/2022	11:25	0.0	0.0	148.63	N-4	-0.11	148.52	No	NA
6/13/2022	10:15	0.0	0.0	148.74	N-4	-0.11	148.63	No	NA
6/22/2022	10:35	0.0	0.1	148.72	N-4	-0.11	148.61	No	NA
6/30/2022	10:45	0.0	0.0	148.80	N-3	-0.08	148.72	No	NA
7/5/2022	13:05	0.0	0.0	148.78	N-3	-0.08	148.70	No	NA
7/15/2022	10:45	0.0	0.0	148.84	N-3	-0.08	148.76	No	NA
8/1/2022	10:40	0.0	0.0	148.93	N-3	-0.08	148.85	No	NA
8/8/2022	10:15	0.0	0.1	148.95	N-3	-0.08	148.87	No	NA
8/15/2022	10:55	0.1	0.1	148.98	N-3	-0.08	148.90	No	NA
8/22/2022	09:45	0.0	0.1	149.07	N-3	-0.08	148.99	No	NA
8/29/2022	11:30	0.0	0.0	149.07	N-3	-0.08	148.99	No	NA
9/6/2022	11:10	0.0	0.0	149.14	N-4	-0.11	149.03	No	NA
9/12/2022	11:05	0.0	0.0	149.05	N-4	-0.11	148.94	No	NA
9/21/2022	11:10	0.0	0.0	149.09	25142	-0.12	148.97 ⁱ	No	NA
9/26/2022	11:55	0.0	0.0	149.06	N-1	-0.04	149.02	No	NA
10/3/2022	10:35	0.0	0.0	149.05	N-3	-0.08	148.97	No	NA
10/17/2022	12:10	0.0	0.0	149.17	N-3	-0.08	149.09	No	NA
10/21/2022	12:50	0.0	0.0	149.12	N-6	-0.07	149.05	No	NA
10/26/2022	11:25	0.0	0.0	149.13	N-3	-0.08	149.05	No	NA
10/28/2022	11:30	0.0	32.4 ^k	149.05	N-6	-0.07	148.98	No	NA
10/31/2022	10:45	0.0	0.0	149.05	N-3	-0.08	148.97	No	NA
11/4/2022	10:29	0.0	0.0	148.96	N-5	-0.02	148.94	No	NA
11/8/2022	13:50	0.0	0.0	149.00	N-6	-0.07	148.93	No	NA
11/11/2022	11:05	0.0	0.0	149.11	N-6	-0.07	149.04	No	NA
11/14/2022	10:15	0.0	0.0	148.99	N-5	-0.02	148.97	No	NA
11/18/2022	10:50	0.0	0.0	149.15	N-4	-0.11	149.04	No	NA
11/21/2022	11:18	0.0	0.0	149.11	N-3	-0.08	149.03	No	NA
11/23/2022	10:10	0.0	0.3	149.03	N-6	-0.07	148.96	No	NA
12/1/2022	10:00	0.0	0.2	148.95	N-5	-0.02	148.93	No	NA
12/19/2022	10:40	0.0	0.0	148.89	N-3	-0.08	148.81	No	NA
12/29/2022	09:45	0.0	0.0	148.99	N-3	-0.08	148.91	No	NA
1/5/2023	09:55	0.0	0.0	149.04	N-3	-0.08	148.96	No	NA
1/11/2023	10:45	0.0	0.0	149.00	N-5	-0.02	148.98	No	NA
1/18/2023	10:50	0.0	0.0	149.00	N-5	-0.02	148.98	No	NA
1/24/2023	10:35	0.0	0.0	149.09	N-3	-0.08	149.01	No	NA
2/15/2023	10:45	0.0	0.9	148.91	N-5	-0.02	148.89	No	NA
2/22/2023	10:38	0.0	0.0	148.95	N-5	-0.02	148.93	No	NA
2/28/2023	12:35	0.0	0.0	148.92	N-5	-0.02	148.90	No	NA
3/10/2023	14:30	0.0	0.0	148.90	N-3	-0.08	148.82	No	NA
3/15/2023	09:12	0.0	0.0	148.92	N-6	-0.07	148.85	No	NA
3/22/2023	11:20	0.0	0.0	148.96	N-3	-0.08	148.88	No	NA
3/29/2023	10:25	0.0	0.1	148.96	N-6	-0.07	148.89	No	NA
4/5/2023	09:40	0.0	0.0	149.03	N-4	-0.11	148.92	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N-1, N-2, N-3, N-4, N-5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

OWDFMW05A									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WL SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/13/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/20/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/31/2021	09:15	0.0	0.0	100.29	N-1	-0.01	100.28	No	NA
1/6/2022	08:35	0.0	2.1	100.06	N-1	-0.01	100.05	No	NA
1/13/2022	08:05	0.0	0.0	100.02	N-1	-0.01	100.01	No	NA
1/16/2022	08:20	0.0	0.0	100.09	N-1	-0.01	100.08	No	NA
1/24/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
1/31/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/7/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/14/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2/21/2022	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
3/2/2022	07:30	0.1	0.0	100.48	N-2	-0.01	100.47	No	NA
3/7/2022	12:35	0.1	0.0	101.46	N-3	-0.06	101.40	No	NA
3/17/2022	08:00	0.2	0.0	100.45	N-3	-0.06	100.39	No	NA
3/22/2022	09:00	1.2	0.0	100.49	N-2	-0.01	100.48	No	NA
3/28/2022	08:30	0.1	0.0	100.44	N-3	-0.06	100.38	No	NA
4/5/2022	08:20	0.1	0.3	100.41	N-3	-0.06	100.35	No	NA
4/25/2022	07:45	0.0	0.0	100.43	N-3	-0.06	100.37	No	NA
5/2/2022	08:15	0.0	0.0	100.40	N-3	-0.06	100.34	No	NA
5/9/2022	08:15	0.0	0.0	100.41	N-3	-0.06	100.35	No	NA
5/18/2022	08:10	0.0	0.0	100.44	N-4	-0.09	100.35	No	NA
5/23/2022	08:20	0.2	1.4	100.41	N-3	-0.06	100.35	No	NA
6/3/2022	07:45	0.1	0.0	100.44	N-4	-0.09	100.35	No	NA
6/6/2022	08:00	0.0	0.0	100.44	N-4	-0.09	100.35	No	NA
6/13/2022	08:00	0.0	0.0	100.54	N-4	-0.09	100.45	No	NA
6/20/2022	12:30	0.0	0.0	100.39	N-3	-0.06	100.33	No	NA
6/30/2022	08:00	0.0	0.0	100.59	N-3	-0.06	100.53	No	NA
7/8/2022	08:05	0.0	0.0	100.61	N-3	-0.06	100.55	No	NA
7/15/2022	08:00	0.0	0.0	100.60	N-3	-0.06	100.54	No	NA
8/1/2022	08:15	0.0	0.0	100.73	N-3	-0.06	100.67	No	NA
8/8/2022	08:00	0.0	0.1	100.79	N-3	-0.06	100.73	No	NA
8/15/2022	08:35	0.1	0.1	100.79	N-3	-0.06	100.73	No	NA
8/22/2022	08:00	0.0	0.0	100.86	N-3	-0.06	100.80	No	NA
8/29/2022	08:35	0.0	0.0	100.80	N-3	-0.06	100.74	No	NA
9/6/2022	08:15	0.0	0.0	100.98	N-4	-0.09	100.89	No	NA
9/12/2022	08:20	0.0	0.0	100.85	N-4	-0.09	100.76	No	NA
9/19/2022	11:20	0.0	0.1	100.86	25142	-0.09	100.77 ⁱ	No	NA
9/26/2022	09:10	0.0	0.0	100.83	N-1	-0.03	100.80	No	NA
10/3/2022	08:05	0.0	0.0	100.92	N-3	-0.06	100.86	No	NA
10/17/2022	08:20	0.0	0.0	101.02	N-3	-0.06	100.96	No	NA
10/21/2022	08:10	0.0	0.0	100.97	N-6	-0.06	100.91	No	NA
10/26/2022	08:20	0.0	0.0	100.93	N-3	-0.06	100.87	No	NA
10/28/2022	08:20	0.0	0.0	100.87	N-6	-0.06	100.81	No	NA
10/31/2022	08:10	0.0	0.0	100.92	N-3	-0.06	100.86	No	NA
11/4/2022	08:00	0.0	0.0	100.82	N-5	0.00	100.82	No	NA
11/8/2022	09:05	0.0	0.0	100.79	N-1	-0.03	100.76	No	NA
11/11/2022	07:50	0.0	0.0	101.05	N-6	-0.06	100.99	No	NA
11/14/2022	08:05	0.0	0.1	100.82	N-5	0.00	100.82	No	NA
11/18/2022	08:30	0.0	0.0	100.93	N-4	-0.09	100.84	No	NA
11/21/2022	08:43	0.0	0.0	100.94	N-3	-0.06	100.88	No	NA
11/23/2022	07:50	0.0	0.0	100.89	N-6	-0.06	100.83	No	NA
12/1/2022	07:45	0.0	1.4	100.79	N-5	0.00	100.79	No	NA
12/19/2022	08:15	0.0	0.0	100.72	N-3	-0.06	100.66	No	NA
12/29/2022	08:00	0.0	0.0	100.82	N-3	-0.06	100.76	No	NA
1/5/2023	07:45	0.0	0.1	100.85	N-3	-0.06	100.79	No	NA
1/11/2023	08:20	0.0	0.1	100.82	N-5	0.00	100.82	No	NA
1/18/2023	08:25	0.0	0.0	100.82	N-5	0.00	100.82	No	NA
1/24/2023	08:50	0.0	0.0	100.91	N-3	-0.06	100.85	No	NA
2/15/2023	08:05	0.0	0.0	100.63	N-5	0.00	100.63	No	NA
2/22/2023	08:00	0.0	0.0	100.73	N-5	0.00	100.73	No	NA
2/28/2023	08:35	0.0	0.0	100.74	N-5	0.00	100.74	No	NA
3/10/2023	13:30	0.0	0.0	100.71	N-3	-0.06	100.65	No	NA
3/15/2023	12:40	0.0	0.0	100.71	N-6	-0.06	100.65	No	NA
3/22/2023	07:50	0.0	0.0	100.77	N-3	-0.06	100.71	No	NA
3/29/2023	07:45	0.0	0.1	100.74	N-6	-0.06	100.68	No	NA
4/5/2023	07:40	0.0	0.0	100.82	N-4	-0.09	100.73	No	NA

Notes:

*Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.

Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.

- 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
- 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.

Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.

**Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.

Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.

Samples collected from Westbay wells will be observed for free product during collection and will be noted.

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NM = No measurement taken, due to equipment installed in well.

NC = Not collected

NC1 = Sampling at this location not required on specified date.

NC2 = PID was not functioning properly and no reading was obtained

NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.

NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft

a: Initial reading recorded; however, subsequent follow up reading was <10ppm

b: Depth to water measured with an oil/water interface probe

c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.

d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N-1, N-2, N-3, N-4, N-5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"

e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.

f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).

g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling

h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm

i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".

j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.

k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

OWDFMW07A									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WL SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/13/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/20/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/31/2021	13:40	0.0	0.0	101.19	N-1	-0.01	101.18	No	NA
1/6/2022	11:30	0.0	2.0	100.83	N-1	-0.01	100.82	No	NA
1/13/2022	11:20	1.7	1.5	100.89	N-1	-0.01	100.88	No	NA
1/20/2022	07:55	0.0	0.0	100.83	N-2	-0.01	100.82	No	NA
1/24/2022	12:24	0.0	0.0	100.87	N-2	-0.01	100.86	No	NA
2/2/2022	12:50	0.1	0.0	101.10	N-2	-0.01	101.09	No	NA
2/9/2022	12:30	0.0	0.0	101.16	N-1	-0.01	101.15	No	NA
2/17/2022	08:30	0.0	0.0	101.18	N-1	-0.01	101.17	No	NA
2/23/2022	00:40	0.1	0.0	101.40	N-2	-0.01	101.39	No	NA
2/28/2022	00:15	0.0	0.0	101.32	N-2	-0.01	101.31	No	NA
3/9/2022	07:30	0.0	0.0	101.34	N-3	-0.06	101.28	No	NA
3/16/2022	08:30	0.1	0.0	101.35	N-3	-0.06	101.29	No	NA
3/23/2022	11:10	0.3	0.0	101.36	N-2	-0.01	101.35	No	NA
3/31/2022	08:00	0.0	0.0	101.32	N-3	-0.06	101.26	No	NA
4/7/2022	07:50	0.0	0.0	101.32	N-3	-0.06	101.26	No	NA
4/27/2022	12:40	0.0	0.0	101.30	N-4	-0.09	101.21	No	NA
5/5/2022	08:45	0.0	0.0	101.27	N-3	-0.06	101.21	No	NA
5/12/2022	12:35	0.1	0.0	101.25	N-3	-0.06	101.19	No	NA
5/19/2022	11:33	0.0	0.0	101.31	N-4	-0.09	101.22	No	NA
5/23/2022	08:05	0.0	0.0	101.25	N-3	-0.06	101.19	No	NA
6/2/2022	08:00	0.1	0.0	101.32	N-4	-0.09	101.23	No	NA
6/8/2022	08:15	0.0	0.0	101.34	N-4	-0.09	101.25	No	NA
6/16/2022	08:00	0.0	0.0	101.35	N-4	-0.09	101.26	No	NA
6/21/2022	11:30	1.3	5.6	101.24	N-4	-0.09	101.15	No	NA
7/1/2022	09:07	0.0	0.0	101.42	N-3	-0.06	101.36	No	NA
7/7/2022	08:30	0.0	0.0	101.48	N-3	-0.06	101.42	No	NA
7/13/2022	08:00	0.0	0.0	101.52	N-3	-0.06	101.46	No	NA
8/4/2022	07:50	0.0	0.1	101.61	N-3	-0.06	101.55	No	NA
8/11/2022	08:30	0.0	0.0	101.65	N-3	-0.06	101.59	No	NA
8/18/2022	11:05	0.0	0.0	101.66	N-3	-0.06	101.60	No	NA
8/23/2022	08:00	0.0	0.0	101.76	N-3	-0.06	101.70	No	NA
8/30/2022	08:35	0.0	0.0	101.76	N-3	-0.06	101.70	No	NA
9/8/2022	08:50	0.0	0.2	101.80	N-4	-0.09	101.71	No	NA
9/15/2022	07:50	0.0	0.1	101.73	N-5	-0.01	101.72	No	NA
9/20/2022	09:15	0.0	0.0	101.80	25142	-0.09	101.71 ^l	No	NA
9/29/2022	08:00	0.0	0.0	101.82	N-4	-0.09	101.73	No	NA
10/6/2022	07:45	0.0	0.0	101.85	N-4	-0.09	101.76	No	NA
10/17/2022	08:00	0.0	0.0	101.79	N-6	-0.06	101.73	No	NA
10/21/2022	07:45	0.0	0.0	101.80	N-4	-0.09	101.71	No	NA
10/24/2022	07:45	0.2	0.0	101.82	N-3	-0.06	101.76	No	NA
10/28/2022	07:45	0.0	0.0	101.70	N-5	-0.01	101.69	No	NA
10/31/2022	08:25	0.0	0.0	101.81	N-4	-0.09	101.72	No	NA
11/4/2022	07:40	0.0	0.1	101.77	N-6	-0.06	101.71	No	NA
11/8/2022	08:00	0.0	0.0	101.69	N-6	-0.06	101.63	No	NA
11/11/2022	07:39	0.0	0.0	101.67	N-5	-0.01	101.66	No	NA
11/14/2022	08:05	0.0	0.0	101.76	N-6	-0.06	101.70	No	NA
11/18/2022	07:55	0.0	0.0	101.81	N-6	-0.06	101.75	No	NA
11/20/2022	10:20	0.0	0.0	101.82	N-4	-0.09	101.73	No	NA
11/23/2022	07:30	0.0	0.0	101.81	N-4	-0.09	101.72	No	NA
11/28/2022	08:00	0.0	0.1	101.45	N-5	-0.01	101.44	No	NA
12/2/2022	07:50	0.0	0.0	101.69	N-3	-0.06	101.63	No	NA
12/27/2022	08:00	0.0	0.0	101.70	N-3	-0.06	101.64	No	NA
1/3/2023	08:00	0.0	0.0	101.74	N-3	-0.06	101.68	No	NA
1/9/2023	07:55	0.0	0.0	101.79	N-3	-0.06	101.73	No	NA
1/16/2023	08:10	0.0	0.0	101.78	N-3	-0.06	101.72	No	NA
1/23/2023	07:55	0.0	0.0	101.81	N-3	-0.06	101.75	No	NA
2/13/2023	08:00	0.0	0.0	101.69	N-6	-0.06	101.63	No	NA
2/24/2023	08:20	0.0	0.0	101.71	N-6	-0.06	101.65	No	NA
2/27/2023	08:40	0.0	0.1	101.74	N-4	-0.09	101.65	No	NA
3/7/2023	07:45	0.0	0.0	101.56	N-3	-0.06	101.50	No	NA
3/14/2023	08:00	0.0	0.0	101.60	N-3	-0.06	101.54	No	NA
3/24/2023	07:40	0.0	0.2	101.61	N-5	-0.01	101.60	No	NA
3/28/2023	07:50	0.0	0.0	101.58	N-5	-0.01	101.57	No	NA
4/4/2023	07:45	0.0	0.0	101.63	N-5	-0.01	101.62	No	NA

Notes:

- *Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.
- Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.
 - 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
 - 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.
- Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.
- **Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.
 - Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.
 - Samples collected from Westbay wells will be observed for free product during collection and will be noted.
- DTW = Depth-to-water
- ft = feet
- ft btoc = feet below top of casing
- ppmv = parts-per-million, volume
- NA = Not applicable
- NM = No measurement taken, due to equipment installed in well.
- NC = Not collected
- NC1 = Sampling at this location not required on specified date.
- NC2 = PID was not functioning properly and no reading was obtained
- NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.
- NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft
- a: Initial reading recorded; however, subsequent follow up reading was <10ppm
- b: Depth to water measured with an oil/water interface probe
- c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.
- d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N 1, N-2, N-3, N-4, N 5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"
- e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.
- f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).
- g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling
- h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm
- i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".
- j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.
- k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Monitoring Well Headspace and Fuel Product Gauging

OWDFMW08A									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WL SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^{d,e} (ft btoc)	(Yes/No)	(ft)
11/28/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/5/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/13/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/20/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
12/30/2021	14:50	6.2	19.8	115.31	N-1	-0.02	115.29	No	NA
1/6/2022	08:45	0.0	0.0	115.16	N-1	-0.02	115.14	No	NA
1/13/2022	08:30	0.0	0.0	115.13	N-2	-0.02	115.11	No	NA
1/16/2022	08:10	0.0	0.0	114.97	N-2	-0.02	114.95	No	NA
1/24/2022	08:35	0.0	0.0	115.01	N-2	-0.02	114.99	No	NA
2/2/2022	08:15	0.4	0.3	115.30	N-1	-0.02	115.28	No	NA
2/9/2022	08:00	0.0	0.0	115.41	N-1	-0.02	115.39	No	NA
2/16/2022	08:45	0.0	0.0	115.38	N-1	-0.02	115.36	No	NA
2/23/2022	08:00	0.1	0.0	115.43	N-2	-0.02	115.41	No	NA
2/28/2022	07:30	0.1	0.0	115.44	N-2	-0.02	115.42	No	NA
3/7/2022	08:00	0.1	0.0	115.46	N-3	-0.07	115.39	No	NA
3/17/2022	11:00	0.2	0.0	115.51	N-3	-0.07	115.44	No	NA
3/24/2022	12:00	0.3	0.0	115.49	N-3	-0.07	115.42	No	NA
3/31/2022	10:30	0.0	0.0	115.46	N-3	-0.07	115.39	No	NA
4/7/2022	10:10	0.0	0.0	115.32	N-3	-0.07	115.25	No	NA
4/27/2022	08:45	0.0	0.0	115.45	N-4	-0.10	115.35	No	NA
5/5/2022	12:00	0.0	0.0	115.40	N-3	-0.07	115.33	No	NA
5/12/2022	08:35	0.0	0.0	115.41	N-3	-0.07	115.34	No	NA
5/19/2022	08:20	0.0	0.0	115.43	N-4	-0.10	115.33	No	NA
5/26/2022	10:10	0.0	0.0	115.37	N-3	-0.07	115.30	No	NA
6/2/2022	10:20	0.1	0.0	115.44	N-4	-0.10	115.34	No	NA
6/8/2022	10:55	0.0	0.0	115.45	N-4	-0.10	115.35	No	NA
6/16/2022	10:37	0.0	0.0	115.48	N-4	-0.10	115.38	No	NA
6/23/2022	08:00	0.0	0.0	115.54	N-4	-0.10	115.44	No	NA
7/1/2022	11:55	0.0	0.1	115.59	N-3	-0.07	115.52	No	NA
7/7/2022	08:30	0.0	0.0	115.52	N-3	-0.07	115.45	No	NA
7/13/2022	10:45	0.1	0.0	115.63	N-3	-0.07	115.56	No	NA
8/4/2022	10:18	0.0	0.1	115.70	N-3	-0.07	115.63	No	NA
8/11/2022	11:45	0.0	0.0	115.79	N-3	-0.07	115.72	No	NA
8/19/2022	08:50	0.0	0.0	115.82	N-3	-0.07	115.75	No	NA
8/23/2022	10:15	0.0	0.1	115.88	N-3	-0.07	115.81	No	NA
8/31/2022	11:53	0.0	0.0	115.87	N-3	-0.07	115.80	No	NA
9/8/2022	11:43	0.3	0.8	115.94	N-4	-0.10	115.84	No	NA
9/15/2022	10:15	0.0	0.1	115.82	N-5	-0.01	115.81	No	NA
9/22/2022	12:40	0.0	0.1	115.94	25142	-0.10	115.84	No	NA
9/29/2022	11:48	0.0	0.0	115.95	N-4	-0.10	115.85	No	NA
10/6/2022	10:57	0.0	0.0	115.99	N-4	-0.10	115.89	No	NA
10/17/2022	11:00	0.0	0.0	115.94	N-6	-0.07	115.87	No	NA
10/21/2022	10:25	0.0	0.0	116.03	N-4	-0.10	115.93	No	NA
10/24/2022	10:25	0.0	0.0	115.97	N-3	-0.07	115.90	No	NA
10/28/2022	10:48	0.0	0.0	115.83	N-5	-0.01	115.82	No	NA
10/31/2022	10:45	0.0	0.0	115.94	N-4	-0.10	115.84	No	NA
11/4/2022	10:48	0.0	0.1	115.85	N-6	-0.07	115.78	No	NA
11/8/2022	11:40	0.0	0.0	115.83	N-6	-0.07	115.76	No	NA
11/11/2022	10:40	0.0	0.0	115.82	N-5	-0.01	115.81	No	NA
11/14/2022	11:05	0.0	0.0	115.90	N-5	-0.01	115.89	No	NA
11/18/2022	11:40	0.0	0.0	115.93	N-6	-0.07	115.86	No	NA
11/20/2022	13:54	0.0	0.0	115.92	N-4	-0.10	115.82	No	NA
11/23/2022	09:45	0.0	0.0	115.96	N-4	-0.10	115.86	No	NA
11/28/2022	10:22	0.0	0.0	115.61	N-5	-0.01	115.60	No	NA
12/2/2022	11:05	0.0	0.0	115.83	N-3	-0.07	115.76	No	NA
12/27/2022	10:03	0.0	0.0	115.83	N-3	-0.07	115.76	No	NA
1/3/2023	10:05	0.0	0.0	115.88	N-3	-0.07	115.81	No	NA
1/9/2023	10:12	0.0	0.0	115.90	N-3	-0.07	115.83	No	NA
1/16/2023	10:10	0.0	0.0	115.91	N-3	-0.07	115.84	No	NA
1/23/2023	10:45	0.0	0.0	115.93	N-3	-0.07	115.86	No	NA
2/13/2023	11:05	0.0	0.0	115.83	N-6	-0.07	115.76	No	NA
2/24/2023	11:10	0.0	0.3	115.86	N-6	-0.07	115.79	No	NA
2/27/2023	11:05	0.0	0.4	115.90	N-4	-0.10	115.80	No	NA
3/7/2023	09:50	0.0	0.0	115.73	N-3	-0.07	115.66	No	NA
3/14/2023	10:10	0.0	0.0	115.75	N-3	-0.07	115.68	No	NA
3/24/2023	10:20	0.0	21.2	115.76	N-5	-0.01	115.75	No	NA
3/28/2023	09:55	0.0	16.4	115.72	N-5	-0.01	115.71	No	NA
4/4/2023	09:55	0.0	0.0	115.79	N-5	-0.01	115.78	No	NA

Notes:

*Well screen is submerged and does not span the water's surface, therefore free product will not be captured or observed.

Wells with submerged screens will have a one-time bailer sample collected to verify no free product at the waters surface.

- 1 - One-time bailer sample collected at OWDFMW01 on 1 Dec 21. No fuel product observed.
- 2 - One-time bailer samples collected at RHMW12A and RHMW16 on 22 Dec 21. No fuel product observed.

Subsequent samples collected via low-flow method will be observed for free product during collection and will be noted.

**Westbay is a closed system and the sample port is not located at the water's surface, therefore free product will not be captured or observed.

Headspace is measured from Westbay wells for almost all cannister pulls. The highest reading measured for each sample is shown in this spreadsheet.

Samples collected from Westbay wells will be observed for free product during collection and will be noted.

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NM = No measurement taken, due to equipment installed in well.

NC = Not collected

NC1 = Sampling at this location not required on specified date.

NC2 = PID was not functioning properly and no reading was obtained

NC3 = Westbay winch malfunctioned on August 3, 2022. No samples collected pending arrival of replacement winch.

NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft

a: Initial reading recorded; however, subsequent follow up reading was <10ppm

b: Depth to water measured with an oil/water interface probe

c: Headspace reading was 0.0 ppm and bailer sample had no observable free product. During product gauging sensor alarmed; however, presence of small insects at the water surface in RHMW01R possibly interfered with sensor giving false reading.

d: Depth to water measurements are corrected from Solinst groundwater-level measuring tapes N-1 through N-6 using the USGS calibration results published in letters titled "Results from Calibration of Groundwater-Level Measuring Tapes" dated January 24, 2020 (N-1 and N-2) and December 14, 2022 (N-1, N-2, N-3, N-4, N-5 and N-6). Depth to water measurements are also corrected for horizontal well displacement derived from gyroscopic survey results for wells RHMW02 through RHMW06, RHMW08, RHMW09, and OWDFMW01 and are pending results for wells RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW18, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A. Groundwater-level measuring tape and horizontal displacement correction factors for N-1 through N-6 for all wells are shown on "Correction Factor Tables"

e: Solinst N-3, N-4, N-5, and N-6 were introduced in March 2022, calibrated by the USGS in September 2022, and corrections applied for all measurements beginning in the 23 January 2023 submittal.

f: Detection signal (solid tone) from oil/water interface probe while product gauging at RHMW09. Headspace reading was 0.0 ppm and bailer sample had no observable free product, as shown in the associated fuel product gauging verification photos (Nov. 20 NOI FP Monitoring Photo_050922, PDF page 4).

g: Well entered into service after completion of well installation and development. First occurrence of NOI sampling

h: Runs 1-4 and 6 had consistent PID readings of 0.0 ppm. Run 5 had high reading (12ppm) on cannister 1 and when re-read all 4 cannisters on run 5 had consistent PID readings of 2.5 ppm

i: No observable product from oil/water interface probe or bailer water surface. Headspace VOCs = 0.0 ppm. Slight odor. Outside of bailer was slick and appeared "soapy".

j: Rental oil/water interface probes used while government-owned oil/water interface probes and water level meters N-1, N-2, N-3, N-4, N-5, and N-6 undergo calibration by USGS. A correction factor was determined by comparing with a government-owned meter and rental meter field measurements, as seen in the DTW Correction Factors tab.

k: Headspace VOC reading 32.4 ppm. Initial measurement recorded, then PID re-zeroed in ambient air and subsequent reading still elevated. No odor detected.

Red Hill Bulk Fuel Storage Facility
Delineation and Sentinel Monitoring Well Headspace and Fuel Product Gauging

RHP01										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
6/20/2022	9:15	0.0	0.0	0.0	138.36	285817	N/A	138.36	No	N/A
7/5/2022	11:30	0.0	2.1	0.0	138.53	311836	N/A	138.53	No	N/A
7/18/2022	10:45	0.0	0.0	0.0	138.58	350335	N/A	138.58	No	N/A
8/1/2022	9:00	0.0	0.0	0.0	138.9	N-1	0.00	138.90	No	N/A
8/17/2022	8:10	0.1	0.2	0.0	139.06	N-3	0.00	139.06	No	N/A
9/1/2022	8:15	0.0	0.0	0.0	139.4	N-2	0.00	139.40	No	N/A
9/15/2022	9:10	0.0	0.0	0.0	139.09	N-3	0.00	139.09	No	N/A
10/7/2022	7:55	0.0	0.1	0.0	139.27	N-3	0.00	139.27	No	N/A
10/16/2022	7:55	0.0	0.0	0.0	139.37	N-4	0.00	139.37	No	N/A
10/18/2022	8:00	0.0	0.0	0.0	139.37	N-4	0.00	139.37	No	N/A
10/21/2022	8:05	0.0	0.0	0.0	139.25	N-5	0.00	139.25	No	N/A
10/26/2022	8:00	0.0	0.0	0.0	139.33	N-4	0.00	139.33	No	N/A
10/28/2022	7:25	0.0	0.0	0.0	139.26	N-3	0.00	139.26	No	N/A
11/1/2022	8:22	0.0	0.0	0.0	139.27	N-5	0.00	139.27	No	N/A
11/3/2022	8:05	0.0	0.0	0.0	139.32	N-4	0.00	139.32	No	N/A
11/8/2022	8:30	0.0	0.0	0.0	139.09	N-5	0.00	139.09	No	N/A
11/10/2022	7:40	0.0	0.0	0.0	139.15	N-6	0.00	139.15	No	N/A
11/15/2022	7:45	0.0	0.0	0.0	139.21	N-5	0.00	139.21	No	N/A
11/17/2022	7:35	0.1	0.0	0.0	139.07	N-5	0.00	139.07	No	N/A
11/19/2022	9:50	0.0	0.0	0.0	139.27	N-3	0.00	139.27	No	N/A
11/22/2022	7:35	0.0	0.1	0.0	139.15	N-6	0.00	139.15	No	N/A
12/9/2022	8:05	0.0	0.0	0.0	139.27	N-4	0.00	139.27	No	N/A
12/22/2022	7:55	0.0	0.0	0.0	139.06	N-5	0.00	139.06	No	N/A
1/12/2023	8:00	0.0	0.0	0.0	139.06	N-3	0.00	139.06	No	N/A
1/27/2023	8:00	0.0	0.0	0.0	139.29	N-3	0.00	139.29	No	N/A
2/3/2023	8:25	0.0	0.0	0.0	139.25	N-3	0.00	139.25	No	N/A
2/17/2023	7:45	0.0	0.0	0.0	139.15	N-3	-0.08	139.07	No	N/A
3/3/2023	8:35	0.0	0.0	0.0	139.12	N-4	-0.11	139.01	No	N/A
3/17/2023	8:30	0.0	0.0	0.0	139.11	N-4	-0.11	139.00	No	N/A
4/7/2023	8:00	0.0	0.0	0.0	138.64	N-3	-0.08	138.56	No	N/A

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

N/A = Not applicable

NC = Not collected

a: Depth to water measurements are corrected for water level meter calibrations and horizontal well displacement, see correction factor tables for corrections factors and corrected values per water level meter and well. Solinst N-1 and Solinst N-2 water level meters are calibrated by USGS, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated January 24, 2020. Solinst water level meters N-1, N-2, N-3, N-4, N-5 and N-6 were calibrated by the USGS in a September 20 - 22 2022 event, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated December 14, 2022. Correction factors for N-1 and N-2 were updated beginning September 20th and measurements prior using the 2020 correction factors. Horizontal displacement correction factors are applied to wells RHMW02, RHMW03, RHMW04, RHMW05, RHMW06, RHMW08, RHMW09, and OWDFMW01. Horizontal displacement correction factors will be derived from the gyroscopic survey reports for RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW19, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A and will be applied when available.

Red Hill Bulk Fuel Storage Facility
Delineation and Sentinel Monitoring Well Headspace and Fuel Product Gauging

RHP02										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
6/8/2022	9:30	0.1	0.0	N/A	118.98	286651	N/A	118.98	No	N/A
6/20/2022	1:12	0.1	0.0	0.0	122.40	285817	N/A	122.40	No	N/A
7/6/2022	8:30	0.0	0.0	0.1	122.53	3131836	N/A	122.53	No	N/A
7/18/2022	8:30	0.0	0.0	0.0	122.58	350335	N/A	122.58	No	N/A
8/4/2022	10:00	0.0	0.0	0.0	121.95	N-4	0.00	121.95	No	N/A
8/19/2022	8:00	0.0	0.0	0.0	122.16	N-4	0.00	122.16	No	N/A
9/1/2022	13:20	0.0	0.0	0.0	122.38	N-1	0.00	122.38	No	N/A
9/15/2022	11:10	0.0	0.0	0.0	122.38	N-3	0.00	122.38	No	N/A
10/7/2022	10:32	0.0	0.0	0.0	122.37	N-3	0.00	122.37	No	N/A
10/16/2022	10:50	0.0	0.0	0.0	122.37	N-4	0.00	122.37	No	N/A
10/18/2022	10:30	0.0	0.1	0.0	122.39	N-4	0.00	122.39	No	N/A
10/21/2022	10:50	0.0	0.0	0.0	122.31	N-5	0.00	122.31	No	N/A
10/26/2022	10:17	0.0	0.0	0.0	122.35	N-4	0.00	122.35	No	N/A
10/28/2022	9:15	0.0	0.0	0.0	122.39	N-3	0.00	122.39	No	N/A
11/1/2022	12:57	0.0	0.0	0.0	122.21	N-5	0.00	122.21	No	N/A
11/3/2022	10:15	0.0	0.0	0.0	122.34	N-4	0.00	122.34	No	N/A
11/8/2022	12:00	0.0	0.0	0.0	122.15	N-5	0.00	122.15	No	N/A
11/10/2022	10:10	0.0	0.0	0.0	122.26	N-6	0.00	122.26	No	N/A
11/15/2022	10:15	0.0	0.0	0.0	122.18	N-5	0.00	122.18	No	N/A
11/17/2022	9:23	0.0	0.0	0.0	122.18	N-5	0.00	122.18	No	N/A
11/19/2022	11:41	0.0	0.0	0.0	122.25	N-3	0.00	122.25	No	N/A
11/22/2022	9:35	0.0	0.0	0.0	122.24	N-6	0.00	122.24	No	N/A
12/9/2022	11:40	0.0	0.0	0.0	122.21	N-4	0.00	122.21	No	N/A
12/22/2022	10:03	0.0	0.0	0.0	122.02	N-5	0.00	122.02	No	N/A
1/12/2023	10:40	0.0	0.0	0.0	122.14	N-3	0.00	122.14	No	N/A
1/27/2023	8:00	0.0	0.0	0.0	122.31	N-3	0.00	122.31	No	N/A
2/3/2023	8:40	0.0	0.0	0.0	122.27	N-6	0.00	122.27	No	N/A
2/17/2023	9:40	0.0	0.0	0.0	122.10	N-3	-0.07	122.03	No	N/A
3/3/2023	10:42	0.0	0.0	0.0	122.01	N-4	-0.10	121.91	No	N/A
3/17/2023	11:14	0.0	0.0	0.0	122.10	N-4	-0.10	122.00	No	N/A
4/7/2023	12:30	0.0	0.1	0.0	121.35	N-3	-0.07	121.28	No	N/A

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NC = Not collected

a: Depth to water measurements are corrected for water level meter calibrations and horizontal well displacement, see correction factor tables for corrections factors and corrected values per water level meter and well. Solinst N-1 and Solinst N-2 water level meters are calibrated by USGS, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated January 24, 2020. Solinst water level meters N-1, N-2, N-3, N-4, N-5 and N-6 were calibrated by the USGS in a Septmeber 20 - 22 2022 event, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated December 14, 2022. Correction factors for N-1 and N-2 were updated beginning September 20th and measurements prior using the 2020 correction factors. Horizontal displacement correction factors are applied to wells RHMW02, RHMW03, RHMW04, RHMW05, RHMW06, RHMW08, RHMW09, and OWDFMW01. Horizontal displacement correction factors will be derived from the gyroscopic survey reports for RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW19, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A and will be applied when available.

Red Hill Bulk Fuel Storage Facility
Delineation and Sentinel Monitoring Well Headspace and Fuel Product Gauging

RHP03										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
8/11/2022	8:15	0.0	0.0	0.0	118.83	N-4	0.00	118.83	No	N/A
8/25/2022	12:30	0.0	0.0	0.0	118.93	N-4	0.00	118.93	No	N/A
9/8/2022	9:50	0.0	0.0	0.0	118.95	N-3	0.00	118.95	No	N/A
9/21/2022	11:25	0.0	0.0	0.0	119.05	18859	N/A	119.05	No	N/A
10/14/2022	10:25	0.0	0.1	0.0	118.94	N-5	0.00	118.94	No	N/A
10/17/2022	11:15	0.0	2.9	1.5	119.01	N-1	0.00	119.01	No	N/A
10/20/2022	10:00	0.0	0.0	3.2	119.01	N-3	0.00	119.01	No	N/A
10/25/2022	11:15	0.0	0.0	0.0	119.02	N-6	0.00	119.02	No	N/A
10/27/2022	9:40	0.0	0.0	0.0	118.99	N-6	0.00	118.99	No	N/A
11/2/2022	10:20	0.0	0.0	0.0	119.00	N-3	0.00	119.00	No	N/A
11/4/2022	12:15	0.0	0.0	0.0	118.92	N-4	0.00	118.92	No	N/A
11/9/2022	13:42	0.0	0.0	0.0	118.95	N-6	0.00	118.95	No	N/A
11/11/2022	12:45	0.0	0.0	0.0	118.96	N-3	0.00	118.96	No	N/A
11/16/2022	12:45	0.0	0.2	0.0	118.98	N-4	0.00	118.98	No	N/A
11/18/2022	10:32	0.0	0.0	0.0	118.95	N-5	0.00	118.95	No	N/A
11/20/2022	10:17	0.0	0.0	0.0	119.05	N-6	0.00	119.05	No	N/A
11/23/2022	10:43	0.0	0.0	0.0	118.98	N-3	0.00	118.98	No	N/A
12/9/2022	8:42	0.0	0.0	0.0	118.96	N-1	0.00	118.96	No	N/A
12/22/2022	8:15	0.0	0.0	0.0	118.40	N-6	0.00	118.40	No	N/A
1/13/2023	8:05	0.0	0.0	0.0	118.91	N-5	0.00	118.91	No	N/A
1/27/2023	9:23	0.0	0.0	0.0	119.00	N-5	0.00	119.00	No	N/A
2/3/2023	12:10	0.0	0.0	0.0	119.05	N-4	0.00	119.05	No	N/A
2/17/2023	11:15	0.0	0.0	0.0	118.94	N-4	-0.10	118.84	No	N/A
3/3/2023	8:00	0.0	0.0	0.0	118.78	N-5	-0.01	118.77	No	N/A
3/17/2023	11:00	0.0	0.0	0.0	118.78	N-5	-0.01	118.77	No	N/A
4/7/2023	13:00	0.0	0.0	0.0	118.81	N-6	-0.07	118.74	No	N/A

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NC = Not collected

a: Depth to water measurements are corrected for water level meter calibrations and horizontal well displacement, see correction factor tables for corrections factors and corrected values per water level meter and well. Solinst N-1 and Solinst N-2 water level meters are calibrated by USGS, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated January 24, 2020. Solinst water level meters N-1, N-2, N-3, N-4, N-5 and N-6 were calibrated by the USGS in a September 20 - 22 2022 event, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated December 14, 2022. Correction factors for N-1 and N-2 were updated beginning September 20th and measurements prior using the 2020 correction factors. Horizontal displacement correction factors are applied to wells RHMW02, RHMW03, RHMW04, RHMW05, RHMW06, RHMW08, RHMW09, and OWDFMW01. Horizontal displacement correction factors will be derived from the gyroscopic survey reports for RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW19, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A and will be applied when available.

Red Hill Bulk Fuel Storage Facility
Delineation and Sentinel Monitoring Well Headspace and Fuel Product Gauging

RHP04A										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
8/9/2022	8:57	0.1	2.2	N/A	139.78	280106	N/A	139.78	No	N/A
8/12/2022	8:20	0	0.5	0.0	139.78	N-4	0.00	139.78	No	N/A
9/8/2022	8:00	0.1	0.4	0.0	139.89	N-3	0.00	139.89	No	N/A
9/21/2022	9:25	0.0	0.0	0.0	140.01	018859	N/A	140.01	No	N/A
10/14/2022	10:25	0.0	0.0	0.0	139.90	N-5	0.00	139.90	No	N/A
10/17/2022	8:05	0.0	0.0	0.0	139.96	N-1	0.00	139.96	No	N/A
10/20/2022	7:55	0.0	0.0	0.0	139.97	N-3	0.00	139.97	No	N/A
10/25/2022	7:55	0.0	0.0	0.0	139.96	N-6	0.00	139.96	No	N/A
10/27/2022	7:45	0.0	0.0	0.0	139.92	N-6	0.00	139.92	No	N/A
11/2/2022	8:00	0.0	0.0	0.0	139.97	N-3	0.00	139.97	No	N/A
11/4/2022	9:00	0.0	0.0	0.0	139.97	N-4	0.00	139.97	No	N/A
11/9/2022	11:22	0.0	0.0	0.0	139.84	N-5	0.00	139.84	No	N/A
11/11/2022	10:40	0.0	0.1	0.0	139.92	N-4	0.00	139.92	No	N/A
11/16/2022	7:40	0.0	0.0	0.0	139.89	N-5	0.00	139.89	No	N/A
11/18/2022	10:42	0.5	0.5	0.2	139.95	N-3	0.00	139.95	No	N/A
11/21/2022	10:52	0.0	0.0	0.0	139.98	N-6	0.00	139.98	No	N/A
11/23/2022	7:45	0.0	0.0	0.0	139.86	N-5	0.00	139.86	No	N/A
12/9/2022	10:28	0.0	0.0	0.0	139.92	N-3	0.00	139.92	No	N/A
12/23/2022	7:50	0.0	0.1	0.0	139.77	N-5	0.00	139.77	No	N/A
1/13/2023	11:45	0.0	0.0	0.0	139.91	N-4	0.00	139.91	No	N/A
1/27/2023	12:17	0.0	0.0	0.0	140.02	N-4	0.00	140.02	No	N/A
2/3/2023	11:25	0.0	0.0	0.0	139.95	N-3	0.00	139.95	No	N/A
2/17/2023	10:55	0.0	0.0	0.0	139.82	N-5	-0.01	139.81	No	N/A
3/3/2023	14:10	0.0	0.0	0.0	139.76	N-6	-0.07	139.69	No	N/A
3/17/2023	8:30	0.0	0.0	0.0	139.79	N-6	-0.07	139.72	No	N/A
4/7/2023	10:26	0.0	0.0	0.0	139.79	N-4	-0.11	139.68	No	N/A

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NC = Not collected

a: Depth to water measurements are corrected for water level meter calibrations and horizontal well displacement, see correction factor tables for corrections factors and corrected values per water level meter and well. Solinst N-1 and Solinst N-2 water level meters are calibrated by USGS, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated January 24, 2020. Solinst water level meters N-1, N-2, N-3, N-4, N-5 and N-6 were calibrated by the USGS in a September 20 - 22 2022 event, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated December 14, 2022. Correction factors for N-1 and N-2 were updated beginning September 20th and measurements prior using the 2020 correction factors. Horizontal displacement correction factors are applied to wells RHMW02, RHMW03, RHMW04, RHMW05, RHMW06, RHMW08, RHMW09, and OWDFMW01. Horizontal displacement correction factors will be derived from the gyroscopic survey reports for RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW19, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A and will be applied when available.

Red Hill Bulk Fuel Storage Facility
Delineation and Sentinel Monitoring Well Headspace and Fuel Product Gauging

RHP04B										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
11/9/2022	8:05	0.0	0.0	0.0	138.92	N-5	0.00	138.92	No	N/A
11/11/2022	7:40	0.0	0.0	0.0	139.04	N-4	0.00	139.04	No	N/A
11/16/2022	9:42	0.0	0.0	0.0	138.98	N-5	0.00	138.98	No	N/A
11/18/2022	7:50	0.0	0.0	0.0	139.08	N-3	0.00	139.08	No	N/A
11/21/2022	7:50	0.0	0.0	0.0	139.12	N-6	0.00	139.12	No	N/A
11/23/2022	9:50	0.0	0.0	0.0	138.98	N-5	0.00	138.98	No	N/A
12/9/2022	8:15	0.0	0.0	0.0	139.06	N-3	0.00	139.06	No	N/A
12/23/2022	9:50	0.0	0.3	0.0	138.91	N-5	0.00	138.91	No	N/A
1/13/2023	8:50	0.0	0.3	0.0	139.05	N-4	0.00	139.05	No	N/A
1/27/2023	14:00	0.0	0.0	0.0	139.05	N-5	0.00	139.05	No	N/A
2/3/2023	8:40	0.0	0.0	0.0	139.09	N-6	0.00	139.09	No	N/A
2/17/2023	8:15	0.0	0.0	0.0	138.93	N-5	-0.01	138.92	No	N/A
3/3/2023	8:50	0.0	0.0	0.0	139.90	N-6	-0.07	139.83	No	N/A
3/17/2023	8:30	0.0	0.0	0.0	138.90	N-6	-0.07	138.83	No	N/A
4/7/2023	9:50	0.0	0.1	0.0	138.94	N-4	-0.11	138.83	No	N/A

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NC = Not collected

a: Depth to water measurements are corrected for water level meter calibrations and horizontal well displacement, see correction factor tables for corrections factors and corrected values per water level meter and well. Solinst N-1 and Solinst N-2 water level meters are calibrated by USGS, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated January 24, 2020. Solinst water level meters N-1, N-2, N-3, N-4, N-5 and N-6 were calibrated by the USGS in a September 20 - 22 2022 event, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated December 14, 2022. Correction factors for N-1 and N-2 were updated beginning September 20th and measurements prior using the 2020 correction factors. Horizontal displacement correction factors are applied to wells RHMW02, RHMW03, RHMW04, RHMW05, RHMW06, RHMW08, RHMW09, and OWDFMW01. Horizontal displacement correction factors will be derived from the gyroscopic survey reports for RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW19, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A and will be applied when available.

Red Hill Bulk Fuel Storage Facility
Delineation and Sentinel Monitoring Well Headspace and Fuel Product Gauging

RHP04C										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
3/13/2023	11:10	0.0	0.0	0.0	138.08	N-5	-0.01	138.07	No	N/A
3/29/2023	10:17	0.0	0.0	0.0	138.15	N-5	-0.01	138.14	No	N/A
4/7/2023	8:30	0.0	0.1	0.0	138.22	N-4	-0.11	138.11	No	N/A

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NC = Not collected

a: Depth to water measurements are corrected for water level meter calibrations and horizontal well displacement, see correction factor tables for corrections factors and corrected values per water level meter and well. Solinst N-1 and Solinst N-2 water level meters are calibrated by USGS, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated January 24, 2020. Solinst water level meters N-1, N-2, N-3, N-4, N-5^c and N-6 were calibrated by the USGS in a September 20 - 22 2022 event, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated December 14, 2022. Correction factors for N-1 and N-2 were updated beginning September 20th and measurements prior using the 2020 correction factors. Horizontal displacement correction factors are applied to wells RHMW02, RHMW03, RHMW04, RHMW05, RHMW06, RHMW08, RHMW09, and OWDFMW01. Horizontal displacement correction factors will be derived from the gyroscopic survey reports for RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW19, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A and will be applied when available.

Red Hill Bulk Fuel Storage Facility
Delineation and Sentinel Monitoring Well Headspace and Fuel Product Gauging

RHP05										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
12/13/2022	8:35	0.0	0.0	0.0	212.80	036365	N/A	212.80	No	N/A
12/21/2022	8:10	0.0	0.0	0.0	212.58	N-5	0.00	212.58	No	N/A
1/13/2023	10:25	0.1	0.1	0.0	212.65	N-5	0.00	212.65	No	N/A
1/27/2023	8:48	0.0	0.0	0.0	212.82	N-4	0.00	212.82	No	N/A
2/3/2023	8:26	0.0	0.0	0.0	212.78	N-4	0.00	212.78	No	N/A
2/17/2023	8:00	0.0	0.0	0.0	212.68	N-4	-0.11	212.57	No	N/A
3/3/2023	15:15	0.0	0.0	0.0	212.48	N-5	-0.03	212.45	No	N/A
3/17/2023	8:00	0.0	0.0	0.0	212.52	N-5	-0.03	212.49	No	N/A
4/7/2023	7:50	0.0	0.0	0.0	212.57	N-6	-0.08	212.49	No	N/A

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NC = Not collected

a: Depth to water measurements are corrected for water level meter calibrations and horizontal well displacement, see correction factor tables for corrections factors and corrected values per water level meter and well. Solinst N-1 and Solinst N-2 water level meters are calibrated by USGS, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated January 24, 2020. Solinst water level meters N-1, N-2, N-3, N-4, N-5 and N-6 were calibrated by the USGS in a September 20 - 22, 2022 event, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated December 14, 2022. Correction factors for N-1 and N-2 were updated beginning September 20th and measurements prior using the 2020 correction factors. Horizontal displacement correction factors are applied to wells RHMW02, RHMW03, RHMW04, RHMW05, RHMW06, RHMW08, RHMW09, and OWDFMW01. Horizontal displacement correction factors will be derived from the gyroscopic survey reports for RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW19, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A and will be applied when available.

Red Hill Bulk Fuel Storage Facility
Delineation and Sentinel Monitoring Well Headspace and Fuel Product Gauging

RHP07										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
3/6/2023	11:52	0.0	2.2	0.0	82.14	N-4	-0.08	82.06	No	N/A
3/20/2023	9:20	4.9	0.1	0.8	82.75	N-4	-0.08	82.67	No	N/A
4/5/2023	9:10	0.0	1.9	0.0	82.75	N-6	-0.06	82.69	No	N/A

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NC = Not collected

a: Depth to water measurements are corrected for water level meter calibrations and horizontal well displacement. see correction factor tables for corrections factors and corrected values per water level meter and well. Solinst N-1 and Solinst N-2 water level meters are calibrated by USGS. calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated January 24, 2020. Solinst water level meters N-1, N-2, N-3, N-4, N-5< and N-6 were calibrated by the USGS in a September 20 - 22 2022 event. calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated December 14, 2022. Correction factors for N-1 and N-2 were updated beginning September 20th and measurements prior using the 2020 correction factors. Horizontal displacement correction factors are applied to wells RHMW02, RHMW03, RHMW04, RHMW05, RHMW06, RHMW08, RHMW09, and OWDFMW01. Horizontal displacement correction factors will be derived from the gyroscopic survey reports for RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW19, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A and will be applied when available.

Red Hill Bulk Fuel Storage Facility
Delineation and Sentinel Monitoring Well Headspace and Fuel Product Gauging

NMW24										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft btoc)		Factor (ft)	DTW ^a (ft btoc)	(Yes/No)	(ft)
11/22/2022	9:00	0.1	0.1	N/A	92.11	N-2	-0.01	92.10	No	N/A
12/9/2022	12:40	0.0	0.5	N/A	90.74	N-1	0.00	90.74	No	N/A
12/13/2022	8:27	0.0	0.0	0.0	90.78	N-3	0.00	90.78	No	N/A
12/22/2022	11:38	0.1	0.1	0.0	90.70	N-6	0.00	90.70	No	N/A
12/29/2022	8:20	0.0	0.0	N/A	90.63	N-5	0.00	90.63	No	N/A
1/5/2023	14:00	0.0	0.0	N/A	90.67	N-5	0.00	90.67	No	N/A
1/11/2023	10:30	0.0	0.0	N/A	90.8	N-4	0.00	90.80	No	N/A
1/18/2023	9:35	0.0	0.0	N/A	90.78	N-3	0.00	90.78	No	N/A
1/26/2023	9:30	0.0	0.0	N/A	90.85	N-4	0.00	90.85	No	N/A
2/1/2023	12:00	0.0	0.0	0.0	90.72	N-5	0.00	90.72	No	N/A
2/8/2023	11:15	0.0	0.0	0.0	90.74	N-3	-0.06	90.68	No	N/A
2/15/2023	9:30	0.0	0.0	0.0	90.72	N-3	-0.06	90.66	No	N/A
2/22/2023	9:15	0.0	0.0	0.0	90.68	N-3	-0.06	90.62	No	N/A
3/1/2023	14:10	0.0	0.0	0.0	90.68	N-4	-0.14	90.54	No	N/A
3/6/2023	10:45	0.0	2.2	0.0	82.14	N-4	-0.14	82.00	No	N/A
3/13/2023	11:10	0.0	0.0	0.0	90.54	N-5	0.00	90.54	No	N/A
3/20/2023	9:20	2.2	0.1	0.1	90.68	N-4	-0.14	90.54	No	N/A
3/29/2023	8:00	0.0	0.0	0.0	90.57	N-5	0.00	90.57	No	N/A
4/5/2023	9:10	0.0	0.0	0.0	90.65	N-6	-0.06	90.59	No	N/A
4/11/2023	12:15	0.0	0.0	0.0	90.66	N-4	-0.14	90.52	No	N/A

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NC = Not collected

a: Depth to water measurements are corrected for water level meter calibrations and horizontal well displacement, see correction factor tables for corrections factors and corrected values per water level meter and well. Solinst N-1 and Solinst N-2 water level meters are calibrated by USGS, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated January 24, 2020. Solinst water level meters N-1, N-2, N-3, N-4, N-5 and N-6 were calibrated by the USGS in a September 20 - 22 2022 event, calibrations published in "Results from calibration of groundwater-level measuring tapes" letter dated December 14, 2022. Correction factors for N-1 and N-2 were updated beginning September 20th and measurements prior using the 2020 correction factors. Horizontal displacement correction factors are applied to wells RHMW02, RHMW03, RHMW04, RHMW05, RHMW06, RHMW08, RHMW09, and OWDFMW01. Horizontal displacement correction factors will be derived from the gyroscopic survey reports for RHMW01R, RHMW12A, RHMW16, RHMW17, RHMW19, OWDFMW04A, OWDFMW05A, OWDFMW07A, and OWDFMW08A and will be applied when available.

Red Hill Bulk Fuel Storage Facility
Adit 3 Sump Headspace and Fuel Product Gauging

Adit 3 Sump Headspace and Product Gauging						
DATE	TIME	AMBIENT	HEADSPACE	DTW	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft btoc)	(Yes/No)	(ft)
12/15/2022	11:15	0.0	52.7	NM	NA	NA
12/20/2022	13:00	0.3	41.2	NM	NA	NA
12/27/2022	NC	NC	NC	NC	NC	NC
1/3/2022	11:20	0.0	39.8	NM	NA	NA
1/11/2022	11:50	0.0	7.4	NM	NA	NA
1/20/2022	11:30	1.5	8.0	NM	NA	NA
1/24/2022	10:45	0.2	23.9	NM	NA	NA
2/3/2022	11:32	0.9	5.0	NM	NA	NA
2/10/2022	11:55	0.0	5.1	NM	NA	NA
2/17/2022	11:40	1.3	6.7	NM	NA	NA
2/22/2022	11:10	0.8	5.2	NM	NA	NA
3/2/2022	14:20	0.1	3.1	NM	NA	NA
3/8/2022	11:45	0.0	0.0	NM	NA	NA
3/17/2022	11:25	0.2	7.8	NM	NA	NA
3/24/2022	11:04	0.5	8.1	NM	NA	NA
3/29/2022	08:40	0.0	2.5	NM	NA	NA
4/7/2022	08:50	0.8	3.0	NM	NA	NA
4/28/2022	10:56	0.1	5.2	NM	NA	NA
5/5/2022	09:10	0.5	0.6	NM	NA	NA
5/12/2022	10:50	0.0	0.0	NM	NA	NA
5/19/2022	10:45	0.0	0.0	NM	NA	NA
5/26/2022	09:18	0.0	0.0	NM	NA	NA
6/2/2022	09:01	0.0	0.0	NM	NA	NA
6/9/2022	09:21	0.0	0.0	NM	NA	NA
6/16/2022	10:26	0.0	0.0	NM	NA	NA
6/23/2022	08:40	0.0	0.0	NM	NA	NA
7/1/2022	11:31	0.0	0.0	NM	NA	NA
7/7/2022	10:46	0.0	0.2	NM	NA	NA
7/13/2022	10:24	0.0	0.0	NM	NA	NA
8/4/2022	10:50	0.0	0.0	NM	NA	NA
8/11/2022	15:17	0.0	0.0	NM	NA	NA
8/18/2022	13:54	0.0	0.0	NM	NA	NA
8/25/2022	13:14	0.0	0.0	NM	NA	NA
9/1/2022	08:57	0.0	0.0	NM	NA	NA
9/8/2022	10:38	0.1	0.1	NM	NA	NA
9/15/2022	10:24	0.0	0.0	NM	NA	NA
9/22/2022	11:09	0.1	0.1	NM	NA	NA
9/29/2022	10:51	0.0	0.0	NM	NA	NA
10/5/2022	13:25	0.2	7.9	NM	NA	NA
10/18/2022	10:32	0.0	0.0	NM	NA	NA
10/20/2022	10:51	0.0	0.0	NM	NA	NA
10/25/2022	10:10	0.0	0.5	NM	NA	NA
10/27/2022	09:56	0.0	0.5	NM	NA	NA
11/1/2022	11:18	0.0	0.0	NM	NA	NA
11/3/2022	09:54	0.0	0.0	NM	NA	NA
11/8/2022	08:53	0.1	2.0	NM	NA	NA
11/10/2022	10:14	0.0	0.1	NM	NA	NA
11/15/2022	09:44	0.0	0.0	NM	NA	NA
11/17/2022	10:11	0.0	0.0	NM	NA	NA
11/20/2022	10:34	0.0	0.0	NM	NA	NA
11/22/2022	11:31	0.0	0.0	NM	NA	NA
12/1/2022	14:02	0.0	0.0	NM	NA	NA
12/21/2022	11:25	0.0	0.1	NM	NA	NA
12/29/2022	10:28	0.0	0.0	NM	NA	NA
1/5/2023	12:44	0.0	0.0	NM	NA	NA
1/11/2023	13:21	0.0	0.0	NM	NA	NA
1/18/2023	13:43	0.0	0.0	NM	NA	NA
1/26/2023	14:11	0.0	0.0	NM	NA	NA
2/15/2023	14:38	0.0	0.0	NM	NA	NA
2/22/2023	11:21	0.0	0.0	NM	NA	NA
3/1/2023	09:55	0.0	3.1	NM	NA	NA
3/8/2023	09:48	0.1	0.6	NM	NA	NA
3/16/2023	09:30	0.0	0.0	NM	NA	NA
3/22/2023	08:38	0.0	2.2	NM	NA	NA
3/29/2023	09:14	0.0	114.8	NM	NA	NA
4/5/2023	10:40	0.0	100.1	NM	NA	NA

DTW = Depth-to-water

ft = feet

ft btoc = feet below top of casing

ppmv = parts-per-million, volume

NA = Not applicable

NC = Not collected

NM = Not measured

Appendix B.3 – Groundwater Parameters from May 10, 2021 through April 17, 2023

Appendix B.3 Table Notes:

D.O. = Dissolved Oxygen

g = Well entered into service after completion of well installation and development. First occurrence of NOI sampling.

h = Calibration for specific conductivity corrupted. Calibration factor determined by comparing pre measurement value and expected value. Calibration factor applied to Specific Conductivity and TDS. Salinity recalculated based on the corrected conductivity value using the same calculation as the AquaTroll, Method 2520A.

j = pH data corrupted due to issue with pH sensor calibration malfunction

k = pH data corrupted due to issue with pH sensor calibration malfunction, pH data reported as follows: RHMW04 = 4.59, RHMW06 = 4.14, RHMW08 = 4.83

l = Specific conductivity and parameters derived from specific conductivity sensor (TDS and salinity) corrupted due to issue with calibration malfunction, Raw data reported as follows:
OWDFMW07A TDS = 11,700.13 ppm, Sp. Cond. = 18.00 mS/cm, Salinity = 10.79 psu

m = AquaTroll missing turbidity sensor wiper causing bubbles to accumulate on the turbidity sensor and affecting parameter accuracy.

n = Turbidity reading higher than expected. Turbidity recalibration performed but turbidity reading did not change. Downhole transducer switched out before sampling could potentially have impacted turbidity readings.

NC1 = Sampling at this location not required on specified date.

NC3 = Not collected while awaiting replacement Westbay Controller

NC-WL = Not collected while water level study underway in conjunction with the start up of Red Hill Shaft

NR = Not recorded due to equipment glitch

ORP = Oxidation Reduction Potential

Sal = Salinity

Sp. Cond. = Specific Conductivity

TDS = Total Dissolved Solids

Temp = Temperature

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW01R								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-12	229.17	7.07	0.35	0.63	0.22	23.73	50.3	0.2
2021-05-19	231.58	7.08	0.36	0.53	0.13	23.60	34.1	0.2
2021-05-24	215.60	7.08	0.33	0.56	0.26	23.56	54.6	0.2
2021-05-26	225.24	7.11	0.35	0.60	0.10	23.84	41.2	0.2
2021-05-28	227.81	7.04	0.35	0.48	0.17	23.47	28.0	0.2
2021-05-31	222.53	7.12	0.34	0.64	0.19	23.69	23.0	0.2
2021-06-02	221.63	7.31	0.34	3.28	0.26	24.79	84.5	0.2
2021-06-04	211.23	7.63	0.33	3.37	0.68	24.37	143.7	0.2
2021-06-07	210.49	7.39	0.32	3.87	0.79	24.37	159.4	0.2
2021-06-09	230.57	7.59	0.35	3.19	0.44	24.69	138.9	0.2
2021-06-11	211.23	7.63	0.33	3.37	0.68	24.37	143.7	0.2
2021-06-17	239.63	7.62	0.34	3.07	2.51	24.29	79.2	0.2
2021-06-24	215.46	6.57	0.33	4.13	1.10	24.50	55.8	0.2
2021-06-30	210.89	7.24	0.32	0.54	0.42	23.53	-15.5	0.2
2021-07-08	241.63	6.55	0.38	8.42	1.72	25.77	150.5	0.2
2021-07-15	254.72	6.61	0.39	3.42	1.10	25.87	100.1	0.2
2021-07-22	260.50	7.69	0.40	2.66	0.62	25.30	99.2	0.2
2021-07-29	218.87	6.86	0.34	3.40	2.12	25.09	101.2	0.2
2021-08-05	263.63	7.61	0.41	2.86	1.58	23.83	64.0	0.2
2021-08-12	229.79	7.28	0.35	3.14	0.32	24.49	28.4	0.2
2021-08-19	267.06	7.63	0.41	3.24	4.05	24.28	65.5	0.2
2021-08-26	221.20	7.17	0.34	3.06	0.18	24.43	75.7	0.2
2021-09-01	284.74	7.39	0.44	3.32	1.45	24.35	33.1	0.2
2021-09-08	257.57	7.54	0.40	4.02	0.20	24.28	4.0	0.2
2021-09-15	244.48	6.67	0.38	3.23	0.25	24.77	18.5	0.2
2021-09-22	226.63	7.35	0.35	3.86	0.12	24.85	105.4	0.2
2021-09-29	278.61	6.56	0.43	3.16	1.01	24.14	56.1	0.2
2021-10-06	292.52	7.26	0.45	5.70	3.97	24.72	-24.2	0.2
2021-10-13	276.12	7.62	0.42	3.45	NM	23.65	54.2	0.2
2021-10-20	280.92	7.11	0.43	3.13	0.41	23.96	60.6	0.2
2021-10-27	285.76	7.32	0.44	3.60	0.68	23.62	51.1	0.2
2021-11-03	268.42	7.33	0.41	4.15	0.68	24.40	62.4	0.2
2021-11-10	273.28	7.26	0.43	3.97	1.13	29.51	58.2	0.2
2021-11-17	250.34	7.44	0.39	3.43	0.62	23.39	23.4	0.2
2021-11-24	257.55	7.45	0.40	3.34	0.27	23.23	-13.6	0.2
2021-12-01	218.34	7.32	0.34	2.92	0.85	23.37	-11.1	0.2
2021-12-08	214.11	7.57	0.33	3.37	1.37	23.28	11.3	0.2
2021-12-15	210.43	7.16	0.32	2.83	0.12	23.36	-15.9	0.2
2021-12-20	207.73	7.20	0.32	3.54	0.33	22.34	-28.4	0.2
2021-12-27	213.65	7.05	0.33	2.76	2.02	21.61	-16.5	0.2
2022-01-03	208.81	7.40	0.32	3.22	0.18	20.8	-21.1	0.2
2022-01-10	206.69	6.90	0.32	3.28	2.16	23.38	59.4	0.2
2022-01-17	211.13	7.43	0.32	3.12	0.25	23.55	37.0	0.2
2022-01-24	205.23	7.58	0.32	3.48	0.29	23.69	99.7	0.2
2022-02-03	206.69	7.69	0.32	8.11	1.32	23.2	96.4	0.2
2022-02-10	214.63	7.21	0.33	9.89	1.53	17.41	6.1	0.2
2022-02-16	257.54	7.11	0.40	3.33	0.99	24.55	102.0	0.2
2022-02-23	208.08	6.15	0.32	2.58	2.25	23.12	116.7	0.2
2022-03-02	197.28	6.93	0.3	1.82	0.21	23.48	6.1	0.15
2022-03-08	176.43	6.95	0.27	2.52	0.31	23.83	14.8	0.13
2022-03-15	199.81	7.12	0.31	4.36	0.41	24.36	-26.3	0.15
2022-03-22	228.8	6.92	0.35	2.08	0.27	25.72	-24.2	0.17
2022-03-31	190.53	6.92	0.29	2.86	0.85	24.36	-14.8	0.14
2022-04-05	195.54	6.88	0.3	1.82	0.45	24.45	-28.9	0.14
2022-04-26	196.52	6.95	0.30	3.15	0.00	24.90	5.1	0.15
2022-05-03	195.39	6.98	0.30	1.98	0.38	23.69	-149.2	0.14
2022-05-10	194.18	6.96	0.30	4.01	0.06	24.64	-121.2	0.14
2022-05-17	193.44	7.04	0.30	3.05	0.21	24.15	-4.0	0.14
2022-05-24	190.31	6.83	0.29	3.03	2.00	23.92	-133.3	0.14
2022-05-31	197.90	6.92	0.30	2.88	0.51	23.74	-132.1	0.15
2022-06-07	197.51	6.91	0.30	3.12	0.37	23.69	-13.9	0.15
2022-06-14	190.58	6.89	0.29	3.54	1.39	24.26	-2.9	0.14
2022-06-21	205.21	6.89	0.32	2.38	0.64	24.15	-130.0	0.15
2022-06-29	192.93	6.83	0.30	3.35	4.97	24.22	-180.6	0.14
2022-07-06	199.58	7.24	0.31	3.54	2.29	23.98	-165.3	0.15
2022-07-12	190.68	6.84	0.29	2.76	2.00	23.89	-29.4	0.14
2022-08-02	204.92	6.68	0.32	3.25	0.00	24.12	0.4	0.15
2022-08-09	NR	7.14	0.32	3.87	0.00	23.67	-6.7	0.15
2022-08-16	195.55	7.11	0.30	2.95	2.39	24.07	11.3	0.14
2022-08-23	192.62	7.28	0.30	2.39	0.00	23.94	-23.2	0.14
2022-08-30	192.32	7.22	0.30	3.02	0.00	24.07	-167.2	0.14
2022-09-06	192.22	7.39	0.30	2.91	0.04	24.33	-168.5	0.14
2022-09-13	198.96	7.34	0.31	3.56	0.00	24.06	6.7	0.15
2022-09-20	190.69	7.41	0.29	1.97	0.04	24.55	-22.8	0.14
2022-09-27	199.50	7.17	0.31	2.39	0.60	24.15	-93.6	0.15
2022-10-04	195.10	6.88	0.30	2.07	0.88	23.87	-92.8	0.14
2022-10-18	182.26	7.14	0.28	2.49	0.68	23.82	-7.1	0.13
2022-10-20	200.59	7.14	0.31	2.69	0.01	23.78	-83.5	0.15
2022-10-25	224.20	6.99	0.34	4.60	0.00	24.13	-55.4	0.17
2022-10-27	215.88	7.09	0.33	2.90	0.47	24.44	-44.1	0.16
2022-11-01	179.43	6.71	0.28	3.04	0.33	23.73	22.4	0.13
2022-11-03	NR	7.31	0.29	2.85	0.36	23.55	-4.2	0.14
2022-11-08	190.73	7.12	0.29	2.03	0.43	25.53	-195.1	0.14
2022-11-10	211.63	7.06	0.33	2.60	0.78	25.91	-202.2	0.16
2022-11-15	192.84	7.28	0.30	3.35	0.10	23.68	-122.0	0.14
2022-11-17	190.71	7.30	0.29	3.33	0.87	23.89	-100.4	0.14
2022-11-20	185.63	6.95	0.29	2.61	0.00	25.41	-126.0	0.14
2022-11-22	202.30	7.19	0.31	2.78	0.07	23.68	28.6	0.15
2022-11-29	201.40	7.33	0.31	2.85	1.27	25.36	-130.6	0.15
2022-12-20	212.36	7.05	0.33	2.14	2.74	25.44	-115.8	0.16
2022-12-28	191.84	7.07	0.30	2.08	2.74	25.65	-167.2	0.14
2023-01-04	196.87	7.11	0.30	2.84	2.74	25.67	-129.4	0.15
2023-01-10	195.86	7.12	0.30	2.16	4.11	25.88	-114.6	0.14
2023-01-17	192.33	6.97	0.30	2.07	1.06	26.04	-69.6	0.14
2023-01-24	193.81	6.99	0.30	2.15	0.63	26.73	-109.2	0.14
2023-02-14	194.99	7.00	0.30	4.72	0.86	23.55	-174.7	0.14
2023-02-21	205.06	6.67	0.32	3.21	0.53	23.20	-157.0	0.15
2023-02-28	193.64	6.87	0.30	3.24	0.00	23.20	-249.2	0.14
2023-03-07	202.09	6.95	0.31	2.74	3.94	23.15	-129.9	0.15
2023-03-14	194.10	7.11	0.30	3.11	1.85	23.70	-19.9	0.14
2023-03-21	255.63	6.99	0.39	2.89	1.38	23.08	-93.6	0.19
2023-03-28	247.58	6.99	0.38	3.18	0.76	23.43	-178.8	0.18
2023-04-04	193.11	7.02	0.30	2.62	0.55	23.65	-178.0	0.14

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW02								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-13	318.43	6.62	0.49	0.64	0.38	23.69	1.4	0.2
2021-05-20	334.76	6.56	0.51	0.45	0.41	23.90	12.9	0.3
2021-05-24	318.25	6.59	0.49	0.41	0.35	23.97	1.3	0.2
2021-05-26	330.01	6.62	0.51	0.41	0.30	23.99	-0.4	0.2
2021-05-28	328.43	6.60	0.51	0.43	0.22	23.96	-1.2	0.2
2021-05-31	323.17	6.67	0.50	0.38	0.16	28.96	-12.0	0.2
2021-06-02	292.40	6.99	0.45	3.45	1.24	24.41	30.7	0.2
2021-06-04	295.75	6.98	0.46	3.02	0.81	24.05	-9.1	0.2
2021-06-07	295.66	6.83	0.45	2.91	1.13	24.23	-5.9	0.2
2021-06-09	313.63	6.88	0.48	2.86	0.59	24.26	-9.4	0.2
2021-06-11	328.78	6.91	0.51	8.85	1.86	24.19	-45.1	0.2
2021-06-17	271.37	7.08	0.45	2.82	1.71	24.24	-10.6	0.2
2021-06-24	306.12	6.82	0.47	3.44	2.75	24.53	2.2	0.2
2021-06-30	318.11	6.74	0.49	0.38	0.64	23.77	-7.9	0.2
2021-07-08	361.55	6.68	0.56	3.06	94.20	24.50	85.0	0.2
2021-07-15	306.79	6.72	0.47	4.72	1.20	25.13	28.7	0.2
2021-07-22	336.41	6.95	0.52	3.38	0.32	24.43	27.9	0.3
2021-07-29	336.59	6.95	0.52	3.21	7.47	24.55	41.0	0.3
2021-08-05	336.97	7.05	0.52	3.08	0.72	24.24	26.4	0.3
2021-08-12	309.63	6.97	0.48	3.37	0.78	24.60	11.9	0.2
2021-08-19	337.40	6.87	0.52	2.73	0.88	24.55	-3.2	0.3
2021-08-26	308.56	7.11	0.47	3.01	0.88	24.71	22.8	0.2
2021-09-01	346.16	6.73	0.53	2.95	1.37	24.45	-3.4	0.3
2021-09-08	310.08	6.90	0.48	2.62	2.66	24.53	-10.8	0.2
2021-09-15	324.26	6.72	0.50	2.79	1.01	24.38	-5.1	0.2
2021-09-22	308.97	6.98	0.48	2.94	3.32	24.60	51.9	0.2
2021-09-29	298.98	6.82	0.46	2.17	5.06	24.50	-2.4	0.2
2021-10-06	317.31	6.71	0.49	2.89	2.92	24.58	-14.7	0.2
2021-10-13	332.25	6.62	0.51	3.12	4.80	24.64	3.4	0.2
2021-10-20	315.87	6.73	0.49	3.27	1.11	24.61	8.7	0.2
2021-10-27	308.07	6.67	0.47	3.86	1.06	23.77	37.3	0.2
2021-11-03	321.50	6.89	0.50	3.31	0.51	24.85	18.2	0.2
2021-11-10	332.45	6.78	0.51	3.12	2.72	24.22	16.3	0.2
2021-11-17	287.61	6.83	0.44	2.69	1.78	24.00	-0.8	0.2
2021-11-24	282.98	6.82	0.44	3.02	0.38	23.88	18.7	0.2
2021-12-01	295.86	6.85	0.46	3.48	0.99	24.20	-10.7	0.2
2021-12-08	294.21	6.85	0.45	4.33	1.57	23.51	13.4	0.2
2021-12-15	287.15	6.74	0.44	2.70	1.34	23.59	1.1	0.2
2021-12-20	278.63	6.79	0.43	3.14	1.48	22.82	-9.1	0.2
2021-12-27	282.17	6.63	0.43	2.83	1.05	22.32	-15.6	0.2
2022-01-03	279.10	6.93	0.43	3.11	0.85	20.97	-27.9	0.2
2022-01-10	262.97	6.90	0.40	3.17	0.93	23.78	28.4	0.2
2022-01-17	272.92	6.80	0.42	3.40	1.14	24.06	19.7	0.2
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-02	325.80	6.63	0.50	2.17	10.33	23.85	-65.2	0.24
2022-03-08	263.94	6.60	0.41	3.05	0.65	24.05	-46.7	0.20
2022-03-15	315.84	6.23	0.49	3.78	0.09	23.98	-85.2	0.24
2022-03-22	302.14	6.61	0.46	3.36	2.06	24.80	-46.7	0.23
2022-03-31	263.84	6.57	0.41	3.23	6.82	24.60	-10.4	0.30
2022-04-05	265.39	6.52	0.41	1.48	6.11	24.31	-39.9	0.20
2022-04-26	265.93	6.59	0.41	3.67	20.13	24.69	-48.2	0.20
2022-05-03	320.44	6.74	0.49	2.58	0.55	24.14	-198.0	0.24
2022-05-10	260.60	6.55	0.40	5.46	2.73	24.25	-123.5	0.19
2022-05-17	298.42	6.74	0.46	5.91	2.18	24.83	-10.5	0.22
2022-05-24	278.18	6.68	0.43	2.39	1.85	24.18	-169.2	0.21
2022-05-31	269.96	6.73	0.42	3.61	3.20	24.45	-131.9	0.20
2022-06-07	256.44	6.79	0.39	2.75	23.44	24.23	-11.3	0.19
2022-06-14	310.49	6.68	0.48	3.25	4.53	24.93	-11.5	0.23
2022-06-21	313.92	6.72	0.48	2.81	2.33	24.36	-145.4	0.24
2022-06-29	268.67	6.58	0.41	7.56	1.17	25.14	-136.9	0.20
2022-07-06	283.13	6.80	0.44	2.11	6.63	24.24	-152.5	0.21
2022-07-12	309.30	6.51	0.48	1.98	3.89	24.34	-11.0	0.23
2022-08-02	306.85	6.86	0.47	2.91	0.00	24.79	-48.2	0.23
2022-08-09	299.23	6.75	0.46	4.34	0.00	24.37	-33.7	0.22
2022-08-16	284.68	6.59	0.44	2.29	5.43	24.67	-120.1	0.21
2022-08-23	288.60	6.86	0.44	2.47	0.00	24.50	-65.5	0.22
2022-08-30	280.88	6.81	0.43	3.25	0.00	24.78	-200.3	0.21
2022-09-06	330.10	6.95	0.51	3.73	0.00	24.42	-259.2	0.25
2022-09-13	293.17	7.01	0.45	2.73	1.35	24.80	-71.7	0.22
2022-09-20	283.86	7.05	0.44	1.91	0.62	24.65	-60.1	0.21
2022-09-27	296.59	6.71	0.46	1.75	7.04	24.89	-176.4	0.22
2022-10-04	287.64	6.55	0.44	1.76	2.53	24.58	-200.8	0.21
2022-10-18	269.67	6.71	0.41	1.93	0.57	24.11	-30.3	0.20
2022-10-20	289.41	6.80	0.45	2.74	1.68	24.22	-101.4	0.22
2022-10-25	331.67	6.75	0.51	3.37	0.19	25.01	-109.8	0.25
2022-10-27	269.16	6.75	0.41	3.70	3.69	25.14	30.9	0.20
2022-11-01	256.30	6.62	0.39	1.94	2.55	24.70	-33.3	0.19
2022-11-03	NR	6.93	0.42	1.86	2.10	24.48	-63.0	0.21
2022-11-08	258.60	6.70	0.40	2.69	3.34	26.25	-185.7	0.19
2022-11-10	276.25	6.79	0.42	2.92	0.81	26.16	-201.2	0.21
2022-11-15	282.51	6.93	0.43	3.04	2.13	24.28	-149.2	0.21
2022-11-17	281.35	6.95	0.43	2.78	2.00	24.40	-138.3	0.21
2022-11-20	272.03	6.64	0.42	3.41	2.81	26.08	-152.8	0.20
2022-11-22	363.85	6.88	0.56	3.40	0.56	23.77	-22.1	0.27
2022-11-29	304.51	6.75	0.47	2.20	2.27	26.07	-166.2	0.23
2022-12-20	298.81	6.59	0.46	1.90	2.02	25.82	-152.6	0.22
2022-12-28	281.83	6.59	0.43	1.47	1.19	26.40	-166.2	0.21
2023-01-04	281.59	6.59	0.43	2.40	0.83	26.32	-171.5	0.21
2023-01-10	293.18	6.72	0.45	1.74	0.99	26.38	-150.2	0.22
2023-01-17	282.86	6.62	0.44	1.85	2.45	26.76	-68.8	0.21
2023-01-24	282.86	6.70	0.44	3.10	2.00	27.50	-109.8	0.21
2023-02-14	271.48	6.53	0.42	2.70	1.85	23.93	-218.6	0.20
2023-02-21	317.00	6.69	0.49	2.90	0.67	23.76	-288.1	0.24
2023-02-28	282.30	6.59	0.43	3.03	2.21	23.64	-288.1	0.21
2023-03-07	282.47	6.60	0.43	1.86	5.92	23.67	-186.7	0.21
2023-03-14	300.49	6.77	0.46	2.80	4.03	24.00	-86.1	0.22
2023-03-21	395.74	6.53	0.61	1.60	1.06	23.78	-181.3	0.30
2023-03-28	352.18	6.69	0.54	2.74	0.00	23.87	-213.4	0.26
2023-04-04	284.22	6.60	0.44	2.96	1.35	24.13	-291.5	0.21

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW03								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-13	507.71	6.61	0.78	1.53	0.53	26.71	38.1	0.4
2021-05-20	513.51	6.82	0.79	1.26	12.20	26.84	111.0	0.4
2021-05-25	488.85	7.09	0.75	1.34	1.28	26.55	186.3	0.4
2021-05-26	504.25	6.82	0.78	1.35	1.31	26.37	170.8	0.4
2021-05-28	512.66	6.84	0.79	1.60	0.47	26.32	168.5	0.4
2021-05-31	507.02	6.90	0.78	1.44	11.51	26.32	154.4	0.4
2021-06-02	487.16	6.92	0.73	3.96	0.86	25.73	157.2	0.4
2021-06-04	488.87	7.00	0.75	1.86	5.80	25.61	141.4	0.4
2021-06-07	490.05	7.11	0.75	3.34	8.64	24.95	228.2	0.4
2021-06-09	490.32	6.97	0.75	2.42	6.59	25.32	72.9	0.4
2021-06-11	489.13	6.96	0.75	2.89	147.00	25.37	88.2	0.4
2021-06-17	481.98	6.91	0.74	3.05	1.84	25.31	67.6	0.4
2021-06-24	499.90	6.92	0.77	2.77	4.51	25.73	0.5	0.4
2021-06-30	497.36	6.97	0.76	1.15	0.50	26.54	15.3	0.4
2021-07-08	482.73	6.95	0.74	3.07	4.04	25.73	135.5	0.4
2021-07-15	486.81	6.81	0.75	3.33	2.48	25.77	35.2	0.4
2021-07-22	496.23	6.99	0.76	3.68	1.13	25.56	45.4	0.4
2021-07-29	493.73	7.01	0.76	3.85	13.59	25.76	74.2	0.4
2021-08-05	492.70	6.99	0.76	8.28	5.67	25.59	-22.4	0.4
2021-08-12	502.27	6.94	0.77	3.09	5.31	26.05	-13.0	0.4
2021-08-19	502.19	6.94	0.77	2.80	28.60	25.87	19.4	0.4
2021-08-26	499.34	0.72	0.77	2.16	0.15	25.62	7.2	0.4
2021-09-01	515.97	6.85	0.79	2.10	6.97	25.06	-54.0	0.4
2021-09-08	499.56	6.88	0.77	2.53	4.83	25.86	54.3	0.4
2021-09-15	515.60	6.79	0.79	2.74	10.00	25.64	-58.2	0.4
2021-09-22	495.04	6.73	0.76	2.47	10.73	25.65	10.6	0.4
2021-09-29	502.66	6.57	0.77	2.51	11.70	25.71	-47.7	0.4
2021-10-06	510.33	6.82	0.79	2.38	13.06	25.90	-40.5	0.4
2021-10-13	491.65	6.02	0.76	3.23	2.25	25.77	112.4	0.4
2021-10-20	502.67	6.63	0.77	2.72	1.69	25.66	60.7	0.4
2021-10-27	506.58	6.84	0.78	2.84	3.06	24.90	65.3	0.4
2021-11-03	501.84	6.84	0.77	3.32	0.36	25.58	137.5	0.4
2021-11-10	509.81	6.86	0.78	4.48	1.13	26.29	111.0	0.4
2021-11-17	476.74	6.83	0.73	2.57	2.63	25.33	-13.7	0.4
2021-11-24	479.86	6.93	0.74	4.10	0.22	25.08	62.4	0.4
2021-12-01	510.09	6.85	0.78	3.00	1.47	24.87	19.5	0.4
2021-12-08	488.54	6.79	0.75	3.05	1.43	24.87	93.0	0.4
2021-12-15	508.38	6.81	0.78	2.81	0.84	24.74	54.0	0.4
2021-12-20	503.41	6.88	0.78	2.48	0.95	23.21	-46.3	0.4
2021-12-27	513.45	6.69	0.79	2.31	1.04	22.63	53.9	0.4
2022-01-03	494.37	6.95	0.76	3.29	2.66	22.36	26.0	0.4
2022-01-10	500.92	6.76	0.77	2.70	1.52	24.93	25.9	0.4
2022-01-17	510.18	6.88	0.78	2.49	0.23	25.26	64.3	0.4
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-02	490.38	6.63	0.75	3.13	0.22	25.02	60.4	0.31
2022-03-08	488.33	6.65	0.75	2.28	0.22	23.26	40.2	0.37
2022-03-15	557.29	6.66	0.86	2.44	0.08	25.52	22.3	0.43
2022-03-22	552.81	6.69	0.85	4.14	1.92	25.34	115.1	0.42
2022-03-31	484.73	6.65	0.75	3.12	6.37	24.86	227.3	0.37
2022-04-05	484.73	6.68	0.75	2.30	1.83	24.81	112.1	0.37
2022-04-26	489.48	6.65	0.75	2.76	0.00	25.43	101.7	0.37
2022-05-03	492.05	6.69	0.76	3.09	0.40	25.62	-113.7	0.37
2022-05-10	480.65	6.69	0.74	2.97	0.82	25.69	-2.0	0.36
2022-05-17	479.69	6.75	0.74	5.86	8.35	25.64	76.3	0.36
2022-05-24	502.92	6.67	0.77	2.27	8.43	25.97	-184.8	0.38
2022-05-31	494.66	6.75	0.76	2.73	2.60	25.85	-23.3	0.38
2022-06-07	490.26	6.77	0.75	2.39	0.00	25.78	64.2	0.37
2022-06-14	480.64	6.50	0.74	1.21	25.77	25.77	118.3	0.36
2022-06-21	517.00	6.70	0.80	3.42	7.28	25.50	-55.8	0.39
2022-06-29	489.65	6.76	0.75	6.34	1.99	26.45	-177.3	0.37
2022-07-06	506.28	6.86	0.78	2.70	2.52	25.88	-85.0	0.39
2022-07-12	486.17	6.40	0.75	1.93	1.49	25.67	61.4	0.37
2022-08-02	507.00	6.80	0.78	3.13	0.00	26.01	52.4	0.39
2022-08-09	522.12	6.77	0.80	2.18	0.00	26.05	63.8	0.40
2022-08-16	502.26	6.95	0.77	2.78	2.59	26.20	131.8	0.38
2022-08-23	488.41	6.90	0.75	2.44	0.00	26.03	-87.3	0.37
2022-08-30	486.03	6.83	0.75	2.64	0.00	26.30	13.0	0.37
2022-09-06	486.64	6.94	0.75	3.10	0.00	26.17	-0.1	0.37
2022-09-13	503.95	6.97	0.78	2.68	0.05	26.51	19.1	0.38
2022-09-20	491.95	7.07	0.76	2.76	0.91	25.86	188.5	0.37
2022-09-27	514.15	6.65	0.79	1.93	1.64	26.25	-101.1	0.39
2022-10-04	496.71	6.62	0.76	2.57	1.38	26.39	40.4	0.38
2022-10-18	464.02	6.73	0.71	1.45	0.79	26.13	-32.6	0.35
2022-10-20	477.74	6.80	0.73	1.85	5.75	26.05	-105.7	0.36
2022-10-25	574.94	6.80	0.88	3.71	0.00	26.59	67.0	0.44
2022-10-27	465.00	6.85	0.72	2.62	4.43	26.33	1.4	0.35
2022-11-01	458.97	6.74	0.71	2.31	0.19	26.08	164.8	0.35
2022-11-03	NR	6.97	0.75	2.09	2.19	26.21	78.9	0.37
2022-11-08	471.49	6.75	0.73	1.84	3.50	27.72	-157.4	0.36
2022-11-10	468.35	6.85	0.72	2.80	1.44	27.24	-164.4	0.36
2022-11-15	490.23	6.92	0.75	2.18	8.80	25.44	-66.7	0.37
2022-11-17	490.41	6.53	0.75	1.66	4.51	26.09	-92.0	0.37
2022-11-20	473.66	6.72	0.73	2.30	0.44	27.45	-52.6	0.36
2022-11-22	518.00	6.89	0.80	3.63	0.14	25.83	248.1	0.39
2022-11-29	511.61	6.78	0.79	2.04	3.00	27.48	-165.4	0.39
2022-12-20	539.16	6.74	0.83	2.75	16.74	27.32	-47.8	0.41
2022-12-28	497.72	6.77	0.77	1.95	1.05	27.67	-99.9	0.38
2023-01-04	505.04	6.65	0.78	2.69	0.55	27.81	-8.9	0.38
2023-01-10	497.32	6.84	0.77	2.09	4.24	27.69	-113.8	0.38
2023-01-17	489.90	6.95	0.75	2.24	2.27	27.96	-15.1	0.37
2023-01-24	490.30	7.00	0.75	2.15	2.23	27.99	-43.8	0.37
2023-02-14	486.28	6.75	0.75	3.15	0.83	24.64	-126.6	0.37
2023-02-21	514.08	6.70	0.79	2.86	0.59	25.38	-202.9	0.39
2023-02-28	491.29	6.74	0.76	3.34	0.83	24.47	-168.3	0.37
2023-03-07	486.61	6.81	0.75	2.17	0.21	25.04	-34.4	0.37
2023-03-14	485.13	6.87	0.75	2.26	0.96	25.56	0.7	0.37
2023-03-21	580.47	6.64	0.89	1.85	5.71	25.55	2.2	0.44
2023-03-28	575.41	6.81	0.89	2.41	0.00	25.40	-134.9	0.44
2023-04-04	482.62	6.80	0.74	1.99	0.77	25.27	-156.5	NR

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW04								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-01	281.54	7.29	0.43	8.67	1.60	23.18	198.0	0.2
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2022-01-04	233.90	6.28	0.36	9.55	0.05	19.23	182.2	0.2
2022-01-14	251.27	7.41	0.39	9.61	0.79	17.19	106.6	0.2
2022-01-16	248.38	7.85	0.38	8.85	0.82	20.48	96.8	0.2
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-01	283.38	7.39	0.44	8.34	31.16	28.75	143.0	0.21
2022-03-07	269.39	7.03	0.41	9.16	0.21	26.64	209.8	0.20
2022-03-14	263.52	7.19	0.41	9.33	0.99	26.46	235.9	0.20
2022-03-23	307.92	7.30	0.47	8.53	1.07	23.27	229.9	0.23
2022-03-30	268.42	7.20	0.41	9.20	0.02	23.42	381.7	0.20
2022-04-06	264.62	7.17	0.41	8.93	0.44	22.52	180.4	0.20
2022-04-25	268.74	7.24	0.41	8.81	0.10	23.43	110.6	0.20
2022-05-04	283.71	7.25	0.44	9.27	0.78	23.26	141.0	0.21
2022-05-11	290.09	7.11	0.45	8.60	0.26	26.65	127.9	0.22
2022-05-16	268.66	7.35	0.41	8.64	0.22	23.25	135.4	0.20
2022-05-23	272.37	7.28	0.42	8.65	0.56	24.05	113.4	0.20
2022-06-03	254.89	6.83	0.39	8.79	0.54	22.51	104.9	0.19
2022-06-08	255.12	7.29	0.39	8.61	3.43	24.27	184.1	0.19
2022-06-15	259.74	7.12	0.40	8.72	2.38	23.96	252.9	0.19
2022-06-22	262.41	7.17	0.40	8.76	3.46	23.61	68.5	0.20
2022-06-30	258.90	7.06	0.40	8.82	11.36	24.43	88.5	0.19
2022-07-08	254.16	7.17	0.39	8.79	0.21	23.44	188.4	0.19
2022-07-14	265.51	6.70	0.41	8.77	21.39	22.17	164.4	0.20
2022-08-03	271.64	7.41	0.42	8.52	0.00	23.04	174.3	0.20
2022-08-10	256.37	7.61	0.39	8.56	3.93	23.02	207.8	0.19
2022-08-17	252.24	7.26	0.39	8.47	1.49	23.53	180.0	0.19
2022-08-24	263.17	7.35	0.40	8.44	1.17	23.72	215.3	0.20
2022-08-31	265.83	7.58	0.41	8.69	0.00	22.63	111.2	0.20
2022-09-09	278.13	7.40	0.43	8.65	0.70	22.76	155.5	0.21
2022-09-14	269.71	7.80	0.41	8.78	0.34	22.31	130.3	0.20
2022-09-23	267.80	7.59	0.41	8.72	0.15	22.52	91.0	0.20
2022-09-28	271.17	7.65	0.42	8.87	0.10	24.47	75.8	0.20
2022-10-05	299.64	7.26	0.46	8.96	0.00	22.32	127.2	0.22
2022-10-17	274.91	7.97	0.42	9.04	0.08	22.74	87.5	0.21
2022-10-19	277.83	7.52	0.43	8.85	0.36	21.55	161.6	0.21
2022-10-24	292.16	7.41	0.45	8.91	1.02	24.35	214.7	0.22
2022-10-26	286.57	7.38	0.44	9.58	0.00	23.69	202.2	0.21
2022-10-31	284.47	7.44	0.44	9.06	6.97	22.27	208.4	0.21
2022-11-02	267.59	7.67	0.41	9.11	0.65	21.89	209.2	0.20
2022-11-07	231.07	7.31	0.36	8.50	5.13	24.55	51.3	0.17
2022-11-09	272.44	7.40	0.42	8.66	0.47	24.42	37.2	0.20
2022-11-14	277.22	7.36	0.43	9.41	3.14	21.65	84.9	0.21
2022-11-16	250.17	7.33	0.38	8.97	0.67	23.30	93.3	0.19
2022-11-19	275.93	7.29	0.42	8.37	0.00	24.93	133.7	0.21
2022-11-21	250.58	7.21	0.39	8.47	4.21	23.97	148.9	0.19
2022-11-30	262.66 ^b	7.76	0.40 ^b	8.41	0.55	24.04	51.6	0.20 ^b
2022-12-23	269.77	7.23	0.42	9.24	0.53	27.59	38.6	0.20
2022-12-30	296.73	7.30	0.46	8.31	6.59	24.72	107.7	0.22
2023-01-06	0.03 ^c	7.14	0.00 ^c	8.72	1.26	27.99	119.3	0.00 ^c
2023-01-13	291.15	6.97	0.45	8.86	1.00	20.57	74.6	0.22
2023-01-20	294.17	7.26	0.45	8.31	0.67	24.79	208.2	0.22
2023-01-25	270.17	N/A ^c	0.42	8.01	1.06	26.06	-9.2	0.20
2023-02-16	330.64	6.68	0.51	9.28	0.29	21.12	157.0	0.25
2023-02-23	253.59	7.22	0.39	8.74	0.53	21.58	7.8	0.19
2023-03-02	275.61	7.44	0.42	8.75	0.00	21.63	66.5	0.21
2023-03-09	293.72	7.54	0.45	8.93	0.00	20.63	248.7	0.22
2023-03-15	260.26	7.36	0.40	8.47	3.17	25.66	184.6	0.19
2023-03-24	269.07	7.41	0.41	8.69	0.49	21.41	99.0	0.20
2023-03-30	278.19	7.17	0.43	8.61	0.23	21.97	168.2	0.21
2023-04-06	271.20	7.10	0.42	8.78	0.83	21.33	255.4	0.20

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW05								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-29	349.04	6.87	0.54	7.98	60.20	24.33	174.2	0.3
2021-10-06	375.49	7.56	0.58	8.40	7.30	24.77	161.5	0.3
2021-10-13	285.67	7.91	0.44	9.40	5.74	23.83	153.7	0.2
2021-10-20	270.89	6.75	0.45	8.54	0.79	23.87	165.1	0.2
2021-10-27	283.22	7.25	0.44	8.41	5.70	23.62	147.2	0.2
2021-11-03	276.87	7.14	0.43	8.29	1.16	24.33	186.1	0.2
2021-11-10	410.48	7.56	0.63	8.34	1.27	24.42	180.2	0.3
2021-11-17	292.55	7.32	0.45	7.83	16.24	23.57	145.0	0.2
2021-11-24	308.75	7.58	0.48	8.29	1.89	23.36	133.4	0.2
2021-12-01	458.63	7.48	0.71	8.45	1.43	23.57	112.2	0.3
2021-12-08	385.22	7.88	0.59	8.70	4.78	23.13	147.6	0.3
2021-12-15	381.54	7.73	0.58	7.74	0.24	24.56	132.2	0.3
2021-12-20	381.25	7.43	0.59	8.74	0.28	22.76	110.2	0.3
2021-12-27	434.54	7.32	0.67	8.70	12.50	21.85	127.1	0.3
2022-01-03	381.59	7.83	0.59	8.53	0.39	21.07	127.4	0.3
2022-01-10	475.53	7.13	0.73	9.12	143.00	23.22	76.0	0.4
2022-01-17	481.48	7.94	0.74	8.42	0.84	23.61	171.8	0.4
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-02	316.23	7.62	0.49	10.92	0.51	23.65	167.9	0.21
2022-03-08	393.35	7.46	0.61	8.40	0.32	23.75	162.7	0.30
2022-03-15	438.82	7.29	0.68	9.25	0.02	24.31	218.2	0.33
2022-03-22	467.33	7.04	0.72	8.27	3.34	24.04	241.6	0.35
2022-03-31	316.43	7.48	0.49	9.60	2.36	23.61	310.0	0.24
2022-04-05	356.59	7.46	0.55	8.60	1.18	24.25	195.9	0.27
2022-04-26	366.82	7.60	0.56	8.84	0.00	24.34	152.6	0.28
2022-05-03	321.26	7.04	0.49	8.22	0.83	23.71	80.2	0.24
2022-05-10	357.02	7.43	0.55	8.71	1.97	24.53	130.6	0.27
2022-05-17	333.18	7.42	0.51	9.00	0.18	24.28	206.8	0.25
2022-05-24	329.85	7.32	0.51	8.21	1.03	24.06	147.4	0.25
2022-05-31	274.70	7.33	0.42	8.79	35.28	23.42	-113.4	0.20
2022-06-07	288.90	7.27	0.44	8.26	21.93	24.68	237.6	0.22
2022-06-14	312.18	7.37	0.48	8.44	1.34	24.99	207.3	0.23
2022-06-21	305.01	7.16	0.47	8.21	11.55	23.89	151.7	0.23
2022-06-29	295.86	7.22	0.46	8.43	2.20	24.47	-0.4	0.22
2022-07-06	313.82	7.29	0.48	8.35	7.56	23.93	100.7	0.23
2022-07-12	328.43	6.91	0.51	8.99	12.77	23.60	249.7	0.25
2022-08-02	301.21	7.56	0.46	8.00	1.98	24.20	202.3	0.23
2022-08-09	308.43	7.42	0.47	8.13	0.00	24.06	284.0	0.23
2022-08-16	271.49	7.52	0.42	8.86	9.45	24.42	164.6	0.20
2022-08-23	282.54	7.55	0.43	8.20	0.00	24.21	175.3	0.21
2022-08-30	275.79	7.35	0.42	8.05	0.00	23.90	76.4	0.21
2022-09-06	259.82	7.36	0.40	8.05	0.00	24.00	112.2	0.19
2022-09-13	236.51	7.55	0.36	8.16	0.15	23.65	109.4	0.18
2022-09-20	220.58	7.78	0.34	7.97	0.17	23.82	45.8	0.16
2022-09-27	231.79	7.63	0.36	7.97	5.80	23.40	85.6	0.17
2022-10-04	230.70	7.05	0.35	8.02	0.62	23.44	148.1	0.17
2022-10-18	194.07	7.27	0.30	8.11	0.48	22.92	194.5	0.14
2022-10-20	226.91	7.48	0.35	8.04	9.82	23.34	240.9	0.17
2022-10-25	253.05	7.03	0.39	4.60	10.56	22.90	170.0	0.19
2022-10-27	209.94	7.67	0.32	8.04	3.96	23.86	243.8	0.16
2022-11-01	201.30	7.14	0.31	7.90	6.08	23.23	177.8	0.15
2022-11-03	206.39	7.47	0.32	8.05	2.93	23.33	210.2	0.15
2022-11-08	196.35	7.28	0.30	7.57	0.55	25.07	55.3	0.15
2022-11-10	214.00	7.28	0.33	7.99	15.40	25.62	56.7	0.16
2022-11-15	213.97	7.48	0.33	6.49	5.73	22.92	-18.7	0.16
2022-11-17	206.94	7.57	0.32	8.10	22.73	23.35	138.6	0.15
2022-11-20	199.23	7.38	0.31	7.74	3.91	24.89	108.8	0.15
2022-11-22	222.33	7.40	0.34	8.03	1.26	23.51	257.4	0.16
2022-11-29	233.07	7.31	0.36	7.78	2.20	24.87	86.3	0.17
2022-12-20	278.74	7.22	0.43	7.85	1.41	25.50	136.6	0.21
2022-12-28	214.17	7.21	0.33	7.58	0.84	25.43	61.1	0.16
2023-01-04	211.53	7.39	0.33	7.70	6.52	25.62	88.8	0.16
2023-01-10	253.90	7.27	0.39	7.65	12.51	25.48	117.6	0.19
2023-01-17	262.63	7.43	0.40	8.04	1.95	25.79	144.0	0.20
2023-01-24	265.51	7.46	0.41	8.08	8.40	27.96	169.4	0.20
2023-02-14	240.67	6.91	0.37	8.21	3.09	22.68	136.4	0.18
2023-02-21	239.28	7.40	0.37	8.10	79.13	22.43	52.4	0.18
2023-02-28	205.95	7.39	0.32	8.59	17.45	22.60	-9.7	0.15
2023-03-07	231.85	7.45	0.36	8.23	0.78	22.79	35.8	0.17
2023-03-14	216.11	7.50	0.33	7.96	17.68	23.26	176.3	0.16
2023-03-21	251.70	7.40	0.39	8.28	16.21	23.99	238.2	0.19
2023-03-28	314.39	6.97	0.48	8.29	76.94	23.02	138.1	0.24
2023-04-04	244.48	7.40	0.38	7.46	9.25	22.73	153.3	0.18

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW06								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-01	1113.92	7.25	1.72	8.19	1.64	25.40	217.0	0.9
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-13	833.60	7.66	1.28	8.25	0.11	23.90	124.6	0.6
2021-12-21	857.24	7.51	1.32	7.37	0.30	21.04	104.4	0.7
2021-12-28	862.35	7.06	1.33	7.45	0.12	20.77	145.5	0.7
2022-01-04	826.31	7.31	1.27	7.35	0.28	21.90	101.6	0.6
2022-01-11	835.91	7.83	1.29	7.69	0.75	21.73	134.8	0.6
2022-01-18	854.54	7.91	1.31	7.24	0.31	24.94	144.2	0.7
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-02-28	1122.81	6.98	1.73	9.32	0.58	14.31	139.2	0.9
2022-03-07	1133.30	6.76	1.74	7.38	0.28	27.83	213.0	0.90
2022-03-16	1251.00	6.86	1.92	8.17	0.35	29.41	200.6	0.99
2022-03-23	1278.97	6.76	1.97	6.98	0.00	23.44	212.7	1.01
2022-03-30	1126.76	6.85	1.75	7.09	0.20	28.37	216.0	0.90
2022-04-04	1042.30	6.94	1.72	8.04	0.08	26.52	212.1	0.88
2022-04-25	1088.66	6.96	1.67	7.44	0.00	24.56	92.2	0.86
2022-05-04	1128.16	6.86	1.74	7.44	0.00	23.61	155.4	0.89
2022-05-11	1151.85	6.89	1.77	7.83	0.10	24.06	195.9	0.91
2022-05-16	1112.44	6.93	1.71	6.93	0.29	24.28	106.8	0.88
2022-05-23	1096.60	6.94	1.69	7.10	0.68	25.34	107.0	0.86
2022-06-03	1091.53	6.83	1.68	7.31	2.88	25.39	-15.5	0.86
2022-06-08	1096.33	6.75	1.69	7.08	3.60	25.81	188.5	0.86
2022-06-15	1108.77	7.00	1.70	6.95	2.99	25.38	193.3	0.87
2022-06-22	1114.40	6.58	1.71	7.14	1.92	23.34	104.1	0.88
2022-06-30	1106.25	6.69	1.70	7.56	6.39	25.88	155.6	0.87
2022-07-08	1116.27	6.59	1.72	7.76	5.65	23.35	45.4	0.88
2022-07-14	1141.12	6.92	1.76	7.38	2.98	26.33	170.1	0.90
2022-08-03	1139.32	6.90	1.75	7.60	0.00	23.28	257.0	0.90
2022-08-10	1094.72	7.07	1.68	7.08	5.64	25.96	264.5	0.86
2022-08-17	1087.81	7.00	1.67	7.20	2.23	24.53	211.9	0.86
2022-08-24	1119.39	6.90	1.72	7.21	0.00	24.16	228.1	0.88
2022-08-31	1133.32	6.89	1.74	7.66	0.00	23.47	90.2	0.89
2022-09-09	1177.30	6.85	1.81	7.02	0.32	23.38	186.2	0.93
2022-09-14	1141.41	6.91	1.76	7.41	0.31	23.06	188.4	0.90
2022-09-23	1132.64	7.06	1.74	7.39	0.30	24.90	105.4	0.89
2022-09-28	1144.53	7.03	1.76	7.74	0.34	25.84	49.3	0.90
2022-10-06	1269.47	6.92	1.95	7.37	1.26	24.51	130.4	1.01
2022-10-17	1134.12	7.55	1.74	7.29	0.00	25.03	35.9	0.89
2022-10-19	1136.67	6.91	1.75	6.94	0.23	24.30	162.3	0.90
2022-10-24	1157.14	6.94	1.78	8.68	0.00	24.65	224.4	0.91
2022-10-26	1166.26	6.76	1.79	7.50	0.00	23.97	204.4	0.92
2022-10-31	1177.41	7.15	1.81	7.65	0.36	24.95	178.7	0.93
2022-11-02	1103.92	7.23	1.70	7.46	3.95	25.00	138.0	0.87
2022-11-07	1035.32	6.75	1.59	6.74	0.36	25.23	53.4	0.81
2022-11-09	1114.74	7.19	1.71	7.59	0.31	24.27	35.2	0.88
2022-11-14	1090.78	6.71	1.68	7.32	0.40	24.19	63.1	0.86
2022-11-16	1060.25	7.10	1.63	7.39	0.46	27.50	72.2	0.83
2022-11-19	0.00 ^f	7.05	0.00 ^f	7.53	0.00	26.43	45.6	0.00 ^f
2022-11-21	1065.97	7.12	1.64	7.17	0.26	25.59	149.0	0.84
2022-11-30	1067.74 ^h	6.82	1.64 ^h	7.17	5.15	24.51	-75.3	0.84 ^h
2022-12-19	1109.14	6.74	1.71	6.86	2.52	23.85	146.1	0.87
2022-12-30	1143.73	6.72	1.76	6.76	0.00	24.53	105.1	0.90
2023-01-06	1288.57	6.83	1.98	8.05	0.87	26.49	143.4	1.02
2023-01-13	1202.55	6.82	1.85	7.08	0.79	22.02	41.3	0.95
2023-01-20	1115.53	6.93	1.72	7.12	5.25	30.05	212.4	0.88
2023-01-25	1116.15	N/A ^k	1.72	6.78	5.51	27.32	115.2	0.88
2023-02-16	1293.53	7.53	1.99	7.89	4.73	22.83	67.2	1.03
2023-02-23	1006.99	6.86	1.55	7.08	1.57	22.41	41.5	0.79
2023-03-02	1031.18	6.99	1.59	7.35	0.44	22.57	99.9	0.81
2023-03-09	1139.62	6.96	1.75	7.00	0.96	24.04	113.2	0.90
2023-03-15	994.50	6.88	1.53	6.67	1.00	26.53	209.7	0.78
2023-03-24	1052.18	7.07	1.62	6.66	1.66	26.22	63.2	0.83
2023-03-30	1091.15	6.77	1.68	6.93	0.54	24.07	136.6	0.86
2023-04-06	1071.00	6.94	1.65	6.98	0.48	26.33	106.6	0.84

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW08								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-30	513.88	8.03	0.79	8.16	1.43	26.46	210.5	0.4
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-01	466.14	8.07	0.72	6.62	0.62	24.99	44.4	0.4
2021-12-08	450.45	7.65	0.69	5.66	0.96	22.63	99.1	0.3
2021-12-16	460.91	7.10	0.71	3.81	2.34	21.37	140.2	0.3
2021-12-23	464.96	8.23	0.72	3.92	4.83	27.96	185.3	0.4
2021-12-28	458.10	7.73	0.71	5.64	0.15	21.95	52.9	0.7
2022-01-04	467.30	7.58	0.72	3.00	0.38	21.99	74.6	0.4
2022-01-11	463.94	7.75	0.71	5.05	1.30	24.32	135.5	0.4
2022-01-18	467.88	6.12	0.72	3.76	0.28	24.79	361.9	0.4
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-02-28	450.78	8.01	0.71	6.34	1.61	15.07	78.2	0.4
2022-03-09	467.88	7.61	0.72	4.67	0.84	25.07	168.3	0.35
2022-03-16	507.78	7.49	0.78	4.98	0.08	26.70	207.6	0.39
2022-03-23	517.66	7.70	0.80	4.16	0.00	24.39	211.9	0.39
2022-03-30	453.12	7.89	0.70	5.19	0.25	24.96	186.3	0.34
2022-04-04	447.28	7.58	0.70	5.01	0.02	23.76	200.6	0.34
2022-04-25	437.69	7.77	0.67	6.31	0.67	24.21	95.9	0.33
2022-05-04	457.07	7.86	0.70	4.84	2.34	23.83	-106.7	0.35
2022-05-11	467.79	7.62	0.72	6.05	0.19	24.84	148.3	0.35
2022-05-16	442.89	7.65	0.68	5.24	7.06	23.68	114.7	0.34
2022-05-23	446.99	7.41	0.69	2.88	1.08	24.50	76.8	0.34
2022-06-03	447.35	7.35	0.69	3.80	1.47	27.76	116.2	0.34
2022-06-08	446.60	7.60	0.69	4.70	5.32	27.35	23.6	0.34
2022-06-15	451.24	7.84	0.69	5.66	1.96	26.83	215.7	0.34
2022-06-22	448.89	7.40	0.69	5.57	12.59	27.09	91.5	0.34
2022-06-30	441.62	7.44	0.68	5.12	3.50	24.77	95.9	0.33
2022-07-08	455.25	7.59	0.70	5.69	0.42	23.13	100.1	0.35
2022-07-14	451.73	7.58	0.69	5.08	2.74	25.26	179.4	0.34
2022-08-03	445.60	7.88	0.69	6.49	0.00	23.24	216.6	0.34
2022-08-10	425.79	8.12	0.66	5.27	5.35	24.62	206.5	0.32
2022-08-17	418.57	8.03	0.64	5.75	6.13	25.88	201.2	0.32
2022-08-24	443.09	8.00	0.68	5.89	0.43	24.41	180.4	0.34
2022-08-31	446.08	7.93	0.69	6.37	0.50	24.55	68.3	0.34
2022-09-09	464.84	7.86	0.72	5.62	0.58	23.81	178.2	0.35
2022-09-14	451.13	8.00	0.69	5.31	3.83	24.52	165.1	0.34
2022-09-23	449.07	7.84	0.69	5.96	0.89	24.53	83.0	0.34
2022-09-28	457.61	8.05	0.70	6.26	0.20	23.51	96.3	0.35
2022-10-05	496.01	7.92	0.76	6.36	0.00	23.32	77.3	0.38
2022-10-17	455.71	8.26	0.70	5.88	0.37	25.81	8.8	0.35
2022-10-19	453.93	7.86	0.70	6.03	0.64	23.68	146.8	0.34
2022-10-24	478.23	7.96	0.74	7.19	0.16	27.02	207.4	0.36
2022-10-26	477.51	7.95	0.73	7.17	0.00	25.76	144.0	0.36
2022-10-31	471.95	8.01	0.73	6.61	0.83	24.26	196.8	0.36
2022-11-02	440.77	8.25	0.68	6.67	0.50	22.82	197.9	0.33
2022-11-07	410.31	7.57	0.63	6.33	5.97	25.29	69.5	0.31
2022-11-09	462.19	8.10	0.71	6.34	2.88	23.22	69.8	0.35
2022-11-14	444.64	7.80	0.68	6.38	0.51	23.49	51.9	0.34
2022-11-16	419.92	8.00	0.65	6.41	0.82	24.53	67.8	0.32
2022-11-19	438.72	7.89	0.67	6.52	0.00	23.89	195.4	0.33
2022-11-21	415.60	7.56	0.64	7.54	0.37	26.26	141.4	0.31
2022-11-30	437.41 ^h	7.85	0.67 ^h	6.29	1.49	24.31	88.1	0.33 ^h
2022-12-19	432.54	7.60	0.67	5.83	0.88	23.24	202.8	0.33
2022-12-30	471.18	7.66	0.72	6.51	0.00	24.65	123.0	0.36
2023-01-06	526.56	7.69	0.81	5.78	2.72	24.48	139.7	0.40
2023-01-13	482.43	7.51	0.74	6.35	1.72	24.40	-9.0	0.37
2023-01-20	467.92	7.66	0.72	6.83	7.10	27.52	202.9	0.35
2023-01-25	449.22	N/A ^k	0.69	1.72	19.94	26.12	-117.6	0.34
2023-02-16	552.56	7.67	0.85	3.85	0.43	22.99	-16.5	0.42
2023-02-23	412.03	7.72	0.63	2.72	1.08	23.09	-7.2	0.31
2023-03-02	436.19	7.66	0.67	4.87	0.00	23.91	37.6	0.33
2023-03-09	483.75	7.85	0.74	5.32	0.96	23.48	-34.5	0.37
2023-03-15	466.48	7.49	0.72	2.74	1.79	23.35	202.1	0.35
2023-03-24	444.52	7.71	0.68	4.04	1.27	27.30	61.2	0.34
2023-03-30	458.61	7.66	0.71	3.93	0.22	23.22	109.9	0.35
2023-04-06	446.03	7.94	0.69	4.82	1.19	23.71	112.0	0.34

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW09								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-30	244.07	7.89	0.38	8.24	1.62	26.86	155.6	0.2
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-16	216.08	7.53	0.33	9.34	2.44	22.02	54.4	0.2
2021-12-24	223.54	7.07	0.35	7.85	4.03	21.86	104.1	0.2
2022-01-01	223.64	6.91	0.34	8.73	2.26	20.31	115.7	0.2
2022-01-07	217.49	7.78	0.34	8.75	0.95	21.11	79.0	0.2
2022-01-12	215.34	7.75	0.33	9.26	1.05	19.55	80.9	0.2
2022-01-17	228.58	8.68	0.35	8.52	0.64	24.79	99.0	0.2
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-03	208.25	6.78	0.32	8.94	81.88	23.83	238.8	0.15
2022-03-16	177.84	7.19	0.32	9.89	1.81	25.05	217.7	0.13
2022-03-21	216.83	7.79	0.33	9.44	0.51	26.76	190.6	0.16
2022-03-28	207.90	7.45	0.32	8.70	0.11	24.22	176.2	0.15
2022-04-08	212.31	7.47	0.33	8.54	0.66	25.32	198.3	0.16
2022-04-28	202.87	7.27	0.31	8.16	0.00	24.51	213.7	0.15
2022-05-02	205.97	7.19	0.32	8.44	6.49	23.15	72.8	0.15
2022-05-09	209.18	7.43	0.32	8.49	2.11	23.84	286.4	0.15
2022-05-18	210.44	7.30	0.32	9.55	0.04	24.68	215.5	0.16
2022-05-25	203.54	7.35	0.31	8.26	1.43	26.02	76.7	0.15
2022-06-01	233.79	7.17	0.36	8.70	1.60	24.92	184.3	0.17
2022-06-06	222.33	7.09	0.34	8.22	27.08	25.28	-120.0	0.16
2022-06-13	208.59	7.49	0.32	8.15	1.34	28.99	174.7	0.15
2022-06-20	202.60	6.70	0.31	8.43	2.67	22.97	130.1	0.15
2022-06-28	211.91	7.31	0.33	8.70	0.01	22.93	196.7	0.16
2022-07-05	227.30	7.09	0.35	8.95	2.16	23.50	125.9	0.17
2022-07-11	210.26	6.85	0.32	8.57	4.41	23.85	193.2	0.16
2022-08-01	219.59	7.32	0.34	9.13	0.00	24.41	182.6	0.16
2022-08-08	211.61	7.33	0.33	8.43	0.00	22.63	258.0	0.16
2022-08-15	204.27	7.27	0.31	8.39	3.60	23.17	178.9	0.15
2022-08-22	213.18	7.61	0.33	8.84	0.00	24.79	192.4	0.16
2022-08-29	205.39	7.66	0.32	8.39	0.79	23.52	49.2	0.15
2022-09-07	209.80	7.59	0.32	9.00	0.00	22.65	193.3	0.16
2022-09-12	211.50	7.25	0.33	8.59	0.38	22.65	163.5	0.16
2022-09-19	216.19	7.51	0.33	8.43	3.49	23.65	154.9	0.16
2022-09-26	209.97	7.44	0.32	8.50	0.50	23.41	92.0	0.16
2022-10-03	224.37	7.88	0.35	8.68	0.59	22.49	91.1	0.17
2022-10-17	215.79	7.55	0.33	7.14	0.02	23.59	-4.5	0.16
2022-10-19	217.37	7.33	0.33	8.73	0.95	22.20	226.9	0.16
2022-10-24	228.41	7.78	0.35	8.76	0.21	22.54	159.6	0.17
2022-10-26	201.06	7.42	0.31	8.91	2.30	24.82	272.0	0.15
2022-10-31	197.11	7.13	0.30	8.61	2.58	22.64	105.9	0.15
2022-11-02	196.84	7.32	0.30	8.43	6.13	23.07	91.8	0.15
2022-11-07	216.49	7.53	0.33	8.52	0.84	23.25	71.3	0.16
2022-11-09	233.65	7.17	0.36	8.18	2.86	25.11	18.3	0.17
2022-11-14	205.05	7.44	0.32	8.28	3.20	24.34	54.7	0.15
2022-11-16	209.65	7.58	0.32	8.54	2.61	22.47	103.2	0.16
2022-11-19	208.05	7.50	0.32	8.64	1.34	21.94	92.3	0.15
2022-11-21	218.17	7.68	0.34	8.53	1.55	23.03	222.9	0.16
2022-11-28	217.38	7.38	0.33	9.04	0.94	22.68	71.9	0.16
2022-12-23	216.06	7.30	0.33	8.43	0.80	23.29	129.1	0.16
2022-12-27	212.21	6.43	0.33	7.98	0.39	23.90	87.9	0.16
2023-01-03	224.21	6.78	0.34	8.17	0.46	23.57	99.6	0.17
2023-01-09	253.71	7.30	0.39	8.35	0.69	26.35	125.7	0.19
2023-01-16	0.17 ¹	4.53 ¹	0.00 ¹	9.79	1.27	24.85	140.9	0.00 ¹
2023-01-23	208.19	7.17	0.32	7.83	53.83	24.72	47.9	0.15
2023-02-13	392.55	7.13	0.60	8.59	18.92	21.26	1.7	0.30
2023-02-20	209.70	7.46	0.32	9.26	0.37	21.73	44.5	0.16
2023-02-27	209.09	7.04	0.32	8.97	0.21	21.19	48.0	0.15
2023-03-06	221.08	7.45	0.34	8.75	1.41	21.68	70.5	0.16
2023-03-13	218.33	7.17	0.34	9.31	0.62	21.51	231.9	0.16
2023-03-20	234.97	7.58	0.36	8.43	0.50	22.96	186.7	0.17
2023-03-27	228.16	7.42	0.35	8.75	0.37	23.33	183.0	0.17
2023-04-03	207.90	7.14	0.32	8.61	0.23	21.83	110.3	0.15

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW11 - Zone 5								
DATE	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
	(ppm)		(mS/cm)	(mg/L)	(NTU)	(°C)	(Mv)	(psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-27	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-16	281.68	6.75	0.43	0.23	0.23	23.77	44.4	0.20
2021-12-23	279.80	7.94	0.43	1.45	0.17	24.29	-12.8	0.20
2021-12-30	272.91	8.11	0.42	0.27	0.08	22.86	61.4	0.20
2022-01-06	268.32	8.06	0.41	0.44	0.14	23.01	-32.4	0.20
2022-01-13	253.68	7.70	0.39	0.54	0.18	27.56	99.1	0.20
2022-01-20	254.89	7.96	0.39	0.51	0.33	23.08	-7.8	0.20
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-03	260.54	7.88	0.40	2.91	9.16	24.30	-37.8	0.20
2022-03-09	365.58	7.69	0.56	0.30	10.46	25.81	-76.8	0.27
2022-03-17	305.35	7.69	0.47	0.14	3329.54	25.04	-89.7	0.23
2022-03-22	276.49	7.80	0.43	0.23	3.86	24.55	-80.9	0.20
2022-03-31	288.92	7.98	0.44	1.15	0.08	27.47	-78.5	0.22
2022-04-07	283.76	7.94	0.44	0.79	0.19	24.10	-31.4	0.21
2022-04-28	264.41	7.93	0.41	1.13	0.44	25.45	13.4	0.20
2022-05-05	259.56	7.95	0.40	0.70	1.70	26.49	25.2	0.19
2022-05-11	263.71	7.94	0.40	1.30	0.55	26.62	14.9	0.20
2022-05-19	268.31	7.87	0.41	0.57	0.78	25.05	21.4	0.20
2022-05-26	270.22	7.82	0.42	0.91	11.97	25.40	-44.2	0.20
2022-06-02	273.70	7.89	0.42	1.86	0.20	27.54	1.3	0.20
2022-06-09	273.05	7.69	0.42	0.93	0.50	25.51	17.1	0.20
2022-06-16	274.88	7.85	0.42	1.20	0.45	24.70	8.1	0.21
2022-06-23	265.34	7.82	0.41	1.79	0.42	26.08	60.9	0.20
2022-07-01	273.07	7.88	0.42	0.99	0.79	27.59	31.0	0.20
2022-07-07	274.70	7.90	0.42	0.74	0.23	27.41	24.1	0.20
2022-07-13	269.70	7.90	0.41	1.38	0.72	25.97	19.9	0.20
NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3
2022-08-12	266.54	8.07	0.41	0.90	0.97	26.04	-0.7	0.20
2022-08-17	309.31	7.92	0.48	0.75	0.21	25.71	-30.4	0.23
2022-08-22	286.87	7.95	0.44	0.93	0.49	25.76	96.3	0.21
2022-08-29	267.85	8.00	0.41	0.85	0.79	26.54	-150.4	0.20
2022-09-07	277.92	7.95	0.43	0.88	1.12	25.91	17.6	0.21
2022-09-13	284.37	7.74	0.44	1.05	1.43	27.88	15.4	0.21
2022-09-20	295.10	7.95	0.45	0.70	0.65	26.03	-1.6	0.22
2022-09-27	285.90	7.91	0.44	1.18	0.68	26.45	-50.4	0.21
2022-10-03	272.13	7.94	0.42	1.07	1.30	25.67	-60.3	0.20
2022-10-17	317.41	7.85	0.49	0.99	1.62	26.01	1.3	0.24
2022-10-21	254.73	7.98	0.39	0.84	1.65	29.65	187.3	0.19
2022-10-24	259.53	7.98	0.40	2.07	1.45	26.99	224.6	0.19
2022-10-28	252.96	8.04	0.39	1.61	0.07	23.47	76.8	0.19
2022-11-02	295.31	7.86	0.45	1.42	1.00	26.23	-40.7	0.22
2022-11-04	282.48	7.95	0.43	1.12	1.18	25.73	-4.9	0.21
2022-11-09	227.55	7.84	0.35	1.22	0.21	26.82	46.5	0.17
2022-11-11	251.89	8.02	0.39	1.48	0.55	24.18	-120.9	0.19
2022-11-16	249.76	8.04	0.38	0.62	0.53	26.14	-164.5	0.19
2022-11-18	264.90	7.96	0.41	2.18	0.00	27.45	-91.7	0.20
2022-11-21	376.59	7.94	0.58	0.97	0.00	24.83	42.1	0.28
2022-11-23	268.04	8.10	0.41	1.95	0.00	24.17	-174.6	0.20
2022-11-29	280.27	8.00	0.43	1.12	0.09	28.33	206.6	0.21
2022-12-20	285.72	8.13	0.44	1.68	0.37	25.58	-190.9	0.21
2022-12-28	267.82	8.06	0.41	1.33	0.00	24.73	-164.0	0.20
2023-01-04	284.35	8.04	0.44	1.48	0.00	23.41	-179.0	0.21
2023-01-10	280.89	8.02	0.43	1.99	1.09	27.06	-149.9	0.21
2023-01-17	267.92	7.93	0.41	2.12	0.44	24.73	-101.5	0.20
2023-01-24	263.13	8.00	0.40	1.49	1.44	25.26	-171.3	0.20
2023-02-15	258.39	8.05	0.40	1.38	0.23	25.25	-203.8	0.19
2023-02-21	270.39	8.23	0.42	1.27	0.00	24.73	-88.5	0.20
2023-02-27	272.20	7.82	0.42	1.76	0.61	23.66	-154.0	0.20
2023-03-08	257.24	8.04	0.40	1.85	0.46	22.57	-163.5	0.19
2023-03-15	275.25	8.02	0.42	1.89	0.50	25.61	-65.6	0.21
2023-03-21	276.48	7.99	0.43	1.97	0.88	25.29	-17.1	0.21
2023-03-27	273.48	7.92	0.42	1.89	0.70	24.04	-55.3	0.20
2023-04-03	273.26	8.00	0.42	1.80	0.45	24.51	-201.7	0.20

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW12A								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D. O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-27	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-04	2510.08	11.97	3.86	7.92	0.39	27.73	117.1	2.1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-14	242.26	8.80	0.37	5.31	4.71	22.93	50.3	0.2
2021-12-22	245.02	8.80	0.38	4.29	2.95	22.54	43.0	0.2
2021-12-29	242.18	8.76	0.37	5.53	7.03	22.16	57.3	0.2
2022-01-05	241.17	8.90	0.38	4.51	0.89	20.82	50.9	0.2
2022-01-12	264.48	8.47	0.41	2.70	0.49	25.21	323.7	0.2
2022-01-17	241.14	8.77	0.37	4.31	0.83	19.64	50.2	0.2
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-01	241.67	8.78	0.37	5.19	3.87	24.21	223.9	0.2
2022-03-08	260.95	8.30	0.40	3.18	0.91	25.11	113.1	0.19
2022-03-15	256.26	8.04	0.39	3.60	0.36	25.03	151.6	0.19
2022-03-22	240.13	8.29	0.37	3.63	0.69	24.83	161.1	0.18
2022-03-29	240.79	7.87	0.37	3.61	0.48	25.68	145.9	0.18
2022-04-04	261.17	8.13	0.40	3.80	1.02	24.92	159.7	0.20
2022-04-26	234.83	8.26	0.36	4.25	0.61	25.61	186.5	0.17
2022-05-03	239.26	8.10	0.37	4.18	0.00	25.07	203.2	0.18
2022-05-10	227.78	8.43	0.35	4.96	0.29	24.12	151.5	0.17
2022-05-17	231.70	8.22	0.36	5.03	0.01	24.17	192.0	0.17
2022-05-24	233.73	8.60	0.36	4.83	0.14	26.47	83.1	0.17
2022-06-01	239.77	8.23	0.37	4.41	0.00	25.79	84.2	0.18
2022-06-07	228.08	8.54	0.35	5.08	0.00	24.70	125.2	0.17
2022-06-14	229.66	8.47	0.35	5.06	0.00	24.44	174.0	0.17
2022-06-21	248.13	9.30	0.38	5.24	0.00	25.19	159.5	0.18
2022-06-29	227.95	8.38	0.35	5.45	0.00	25.22	177.4	0.17
2022-07-05	226.74	8.55	0.35	5.24	0.21	24.61	188.3	0.17
2022-07-11	227.83	8.49	0.35	5.28	0.14	24.91	180.6	0.17
2022-08-02	233.58	8.48	0.36	5.25	0.07	24.85	177.8	0.17
2022-08-09	222.57	8.45	0.34	5.44	0.00	24.96	183.9	0.17
2022-08-16	226.83	8.24	0.35	5.55	0.00	24.85	211.2	0.17
2022-08-25	220.59	8.42	0.34	5.80	0.00	26.73	199.3	0.16
2022-09-01	219.82	8.34	0.34	5.96	0.00	25.71	203.7	0.16
2022-09-07	224.16	8.46	0.34	5.62	0.21	24.96	221.4	0.17
2022-09-13	227.27	8.14	0.35	5.60	1.01	25.81	199.1	0.17
2022-09-22	248.67	8.43	0.38	5.59	0.43	26.44	183.0	0.18
2022-09-27	225.14	8.34	0.35	5.68	0.26	24.63	122.8	0.17
2022-10-04	238.97	8.38	0.37	5.53	0.00	24.77	141.9	0.18
2022-10-18	223.79	8.02	0.34	5.78	0.85	25.34	189.2	0.17
2022-10-20	258.99	8.27	0.40	5.65	1.02	25.17	166.4	0.19
2022-10-24	241.36	8.39	0.37	5.96	0.28	24.37	154.9	0.18
2022-10-27	264.66	8.42	0.41	5.84	0.29	24.34	151.2	0.20
2022-11-01	209.04	8.43	0.32	5.59	0.00	24.57	231.4	0.15
2022-11-03	227.67	8.38	0.35	5.87	0.23	25.49	209.5	0.17
2022-11-07	229.81	8.24	0.35	5.94	0.81	24.78	121.4	0.17
2022-11-10	243.53	8.33	0.37	5.94	0.36	24.57	22.0	0.18
2022-11-15	221.65	8.36	0.34	5.93	0.26	25.41	127.8	0.16
2022-11-17	219.22	8.29	0.34	5.93	0.30	24.22	144.3	0.16
2022-11-19	215.76	8.40	0.33	6.10	0.00	24.40	188.5	0.16
2022-11-22	267.61	8.38	0.41	6.20	0.00	24.49	72.0	0.20
2022-11-29	270.62	8.41	0.42	6.14	0.27	24.44	109.1	0.20
2022-12-20	218.98	8.35	0.34	6.70	14.20	24.52	147.0	0.16
2022-12-28	230.96	8.56	0.36	6.34	3.71	24.16	58.3	0.17
2023-01-04	214.59	8.41	0.33	6.16	4.19	24.04	133.8	0.16
2023-01-10	227.00	5.47 ^l	0.35	6.06	2.56	24.91	138.7	0.17
2023-01-17	217.61	8.20	0.33	6.00	5.16	25.23	98.8	0.16
2023-01-25	220.22	8.52	0.34	6.16	0.92	24.43	114.9	0.16
2023-02-14	217.14	8.47	0.33	6.04	0.78	24.30	52.4	0.16
2023-02-21	227.61	8.30	0.35	5.74	0.66	24.50	20.5	0.17
2023-02-28	217.26	8.31	0.33	5.58	0.10	24.12	57.4	0.16
2023-03-06	213.44	8.36	0.33	5.20	0.06	24.37	46.5	0.16
2023-03-13	218.29	8.29	0.34	4.82	51.57 ⁿ	24.94	57.5	0.16
2023-03-20	255.68	8.17	0.39	4.81	3.93	24.89	217.1	0.19
2023-03-27	268.75	7.99	0.41	4.48	1.09	24.87	206.1	0.20
2023-04-03	239.19	8.27	0.37	4.69	1.12	24.67	131.6	0.18

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW13 - Zone 5								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-27	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-15	266.50	7.83	0.41	0.32	1.41	22.07	132.5	0.2
2021-12-22	244.97	8.28	0.38	0.20	0.55	24.18	142.1	0.2
2021-12-29	239.61	8.09	0.37	0.39	0.40	23.01	182.4	0.2
2022-01-05	239.92	8.28	0.37	0.82	1.25	24.76	266.0	0.2
2022-01-12	241.68	8.14	0.37	0.76	1.19	24.50	115.0	0.2
2022-01-19	237.00	8.19	0.36	0.61	2.01	20.13	64.4	0.2
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-02	245.81	8.01	0.38	0.63	0.51	24.61	51.1	0.18
2022-03-10	240.67	8.11	0.37	0.88	0.00	24.51	75.8	0.17
2022-03-16	267.10	7.99	0.41	0.53	0.61	24.65	33.1	0.19
2022-03-23	238.98	8.04	0.37	0.58	0.22	24.15	37.6	0.17
2022-03-30	247.36	8.08	0.38	0.79	0.70	25.03	15.0	0.18
2022-04-06	237.67	8.10	0.35	0.85	1.12	24.22	88.8	0.17
2022-04-27	231.08	8.04	0.36	1.66	0.28	25.16	120.6	0.17
2022-05-04	238.51	8.08	0.37	0.80	0.20	25.32	106.6	0.18
2022-05-12	237.07	8.08	0.36	1.32	4.39	26.53	67.3	0.18
2022-05-18	231.67	8.06	0.36	1.76	0.51	25.35	182.6	0.17
2022-05-25	233.37	8.04	0.36	1.20	5.29	28.77	137.8	0.17
2022-06-01	230.09	8.04	0.35	1.24	0.78	27.57	78.9	0.17
2022-06-10	233.26	8.00	0.36	1.30	0.54	30.24	190.5	0.17
2022-06-15	222.00	8.03	0.34	1.28	0.52	27.79	161.2	0.16
2022-06-22	232.96	7.98	0.36	1.43	0.57	26.95	152.9	0.17
2022-06-30	238.95	8.01	0.37	0.99	0.26	27.96	149.7	0.18
2022-07-06	253.60	7.96	0.39	0.79	2.10	33.50	161.2	0.19
2022-07-12	220.18	8.01	0.34	1.17	0.54	27.02	137.6	0.16
2022-08-03	238.52	7.96	0.37	1.18	0.00	23.95	161.0	0.18
2022-08-13	239.22	8.12	0.37	1.27	0.59	27.48	124.0	0.18
2022-08-18	258.41	8.01	0.40	1.40	0.45	28.39	125.8	0.19
2022-08-24	264.40	7.97	0.41	1.48	0.22	26.63	157.9	0.20
2022-08-31	242.07	8.08	0.37	1.14	0.60	28.46	131.8	0.18
2022-09-09	244.83	8.13	0.38	1.06	0.55	24.57	114.5	0.18
2022-09-14	235.76	8.09	0.36	0.99	0.41	25.66	107.2	0.18
2022-09-21	261.50	7.55	0.40	1.10	0.00	24.69	126.4	0.19
2022-09-28	259.82	8.07	0.40	1.11	0.88	26.66	30.4	0.19
2022-10-06	248.24	7.99	0.38	0.71	0.54	25.59	31.3	0.18
2022-10-19	234.21	8.06	0.36	1.01	1.42	25.28	121.0	0.17
2022-10-21	220.38	8.12	0.34	1.11	0.65	24.56	239.8	0.16
2022-10-26	231.24	8.10	0.36	1.27	0.19	24.09	263.5	0.17
2022-10-28	206.77	8.16	0.32	1.90	0.91	26.96	174.0	0.15
2022-10-31	228.84	8.09	0.35	1.16	2.54	24.03	209.1	0.17
2022-11-04	207.79	7.77	0.32	3.94	1.34	28.13	16.3	0.15
2022-11-07	236.32	8.03	0.36	1.27	1.83	23.90	117.5	0.18
2022-11-11	221.74	8.15	0.34	1.55	0.14	24.07	-6.6	0.16
2022-11-14	208.12	8.08	0.32	0.93	0.71	23.26	10.3	0.15
2022-11-16	219.60	8.04	0.34	1.79	1.02	23.15	35.2	0.16
2022-11-19	218.24	8.07	0.34	2.06	1.16	23.49	-30.2	0.16
2022-11-22	222.12	8.07	0.34	0.81	0.00	24.63	91.4	0.16
2022-11-30	225.35	8.08	0.35	0.89	0.63	23.24	-15.2	0.17
2022-12-21	235.00	8.17	0.36	1.01	0.20	22.61	18.5	0.17
2022-12-29	239.29	8.03	0.37	0.87	0.22	23.81	-78.2	0.18
2023-01-05	232.72	8.10	0.36	1.57	0.00	23.82	-8.0	0.17
2023-01-11	268.20	8.00	0.41	1.17	0.69	22.93	-13.7	0.20
2023-01-18	235.33	7.90	0.36	1.08	1.49	23.53	-62.9	0.17
2023-01-25	278.46	8.16	0.43	0.79	0.65	23.91	-10.9	0.21
2023-02-14	224.33	8.18	0.35	1.04	0.50	24.45	-99.8	0.17
2023-02-22	227.61	8.20	0.35	1.35	0.36	22.91	-46.6	0.17
2023-02-28	234.84	7.86	0.36	0.99	2.25	22.87	-31.1	0.17
2023-03-07	238.77	8.01	0.37	0.91	0.11	23.05	-127.2	0.18
2023-03-14	231.90	8.08	0.36	1.69	0.45	26.73	-8.7	0.17
2023-03-22	227.82	8.01	0.35	0.92	1.67	25.52	-66.8	0.17
2023-03-28	231.05	8.02	0.36	1.80	0.04	25.12	-169.4	0.17
2023-04-04	230.15	7.93	0.35	1.08	0.27	23.64	-150.2	0.17

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW14 - Zone 3								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-27	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-13	184.38	7.95	0.28	1.62	1.31	26.79	48.4	0.10
2021-12-20	189.89	7.33	0.29	2.23	1.11	26.02	193.0	0.10
2021-12-27	184.52	7.96	0.28	1.70	0.12	26.22	119.2	0.10
2022-01-03	188.96	7.95	0.29	1.70	2.77	23.42	61.5	0.10
2022-01-10	174.26	8.05	0.27	1.59	0.40	25.85	147.8	0.10
2022-01-18	169.52	7.81	0.26	0.59	0.36	26.69	60.8	0.10
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-01	176.48	8.40	0.27	4.22	0.93	17.46	11.6	0.10
2022-03-08	202.38	7.28	0.31	3.19	2.26	25.18	196.6	0.15
2022-03-15	196.16	7.45	0.30	4.59	1.20	16.92	130.4	0.10
2022-03-22	186.58	7.69	0.29	3.91	63.57	25.00	133.1	0.13
2022-03-29	193.70	7.86	0.30	2.74	1.02	27.67	137.0	0.14
2022-04-05	192.39	7.83	0.30	1.22	0.05	26.97	82.5	0.14
2022-04-26	183.27	7.65	0.28	1.28	0.44	25.64	245.5	0.14
2022-05-03	185.44	7.91	0.29	1.71	0.59	24.09	187.4	0.14
2022-05-10	192.49	7.77	0.30	1.36	1.17	25.95	116.0	0.14
2022-05-17	184.56	7.77	0.28	2.30	0.66	25.12	263.0	0.14
2022-05-24	187.95	7.81	0.29	1.38	0.00	26.99	205.5	0.14
2022-05-31	183.35	7.70	0.28	2.79	0.65	26.95	111.7	0.14
2022-06-07	187.27	7.60	0.29	2.71	0.04	26.98	142.1	0.14
2022-06-14	184.87	7.75	0.28	1.70	0.00	24.10	193.8	0.14
2022-06-21	205.50	7.53	0.32	2.70	0.81	26.90	122.0	0.15
2022-06-29	193.47	7.72	0.30	1.49	0.00	25.40	180.2	0.14
2022-07-05	195.56	7.83	0.30	1.76	0.62	27.63	190.7	0.14
2022-07-14	185.78	7.80	0.29	1.66	0.47	25.46	194.2	0.14
NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3
2022-08-13	184.05	7.79	0.28	2.43	0.49	26.48	194.2	0.14
2022-08-16	190.90	7.70	0.29	2.04	0.31	25.83	194.8	0.14
2022-08-22	197.68	7.78	0.30	2.44	0.16	25.21	200.4	0.15
2022-08-29	185.94	7.85	0.29	1.55	0.64	27.33	14.9	0.14
2022-09-07	192.36	7.80	0.30	2.95	1.07	26.54	194.7	0.14
2022-09-13	192.31	7.81	0.30	2.16	1.15	25.80	177.1	0.14
2022-09-20	207.05	7.82	0.32	0.92	0.85	25.90	160.5	0.15
2022-09-27	198.23	7.86	0.30	1.50	0.78	26.17	54.9	0.15
2022-10-05	196.56	7.78	0.30	1.77	1.07	25.87	87.8	0.15
2022-10-17	219.91	7.65	0.34	2.49	1.62	26.76	118.2	0.16
2022-10-19	181.99	7.85	0.28	2.01	0.58	23.61	147.9	0.13
2022-10-24	177.77	7.88	0.27	2.32	1.10	26.05	247.4	0.13
2022-10-26	184.43	7.80	0.28	2.36	0.72	25.33	287.3	0.14
2022-10-31	178.21	8.00	0.27	0.85	0.70	25.70	197.7	0.13
2022-11-02	203.61	7.84	0.31	3.18	0.63	25.37	86.8	0.15
2022-11-07	188.94	7.98	0.29	2.15	1.99	26.77	90.3	0.14
2022-11-09	175.70	7.89	0.27	3.01	0.61	25.06	88.4	0.13
2022-11-15	181.45	7.94	0.28	2.33	3.39	26.18	2.4	0.13
2022-11-17	180.13	8.02	0.28	1.91	0.28	27.68	126.4	0.13
2022-11-21	179.79	8.04	0.28	3.37	1.31	25.13	115.9	0.13
2022-11-23	179.47	7.90	0.28	1.95	1.52	25.48	91.8	0.13
2022-12-01	183.84	8.01	0.28	1.82	1.42	25.63	44.0	0.14
2022-12-20	197.80	8.39	0.30	2.65	0.51	26.02	38.9	0.15
2022-12-30	184.77	7.88	0.28	2.88	9.70	24.80	103.8	0.14
2023-01-06	199.96	7.74	0.31	1.99	1.23	25.29	0.2	0.15
2023-01-12	189.17	7.88	0.29	2.13	0.97	24.36	-37.3	0.14
2023-01-19	199.53	7.51	0.31	2.43	1.70	25.26	12.5	0.15
2023-01-26	181.23	8.06	0.28	1.93	0.57	24.18	26.7	0.13
2023-02-16	196.26	8.16	0.30	1.94	0.49	28.75	106.8	0.14
2023-02-23	179.66	7.74	0.28	3.10	1.66	23.79	204.4	0.13
2023-03-01	216.07	7.89	0.33	1.11	0.14	24.57	117.5	0.16
2023-03-08	177.13	7.97	0.27	1.68	0.76	23.66	94.9	0.13
2023-03-15	190.82	7.99	0.29	2.91	1.07	25.26	53.4	0.14
2023-03-21	184.85	7.89	0.28	2.54	0.64	24.77	71.3	0.14
2023-03-31	184.18	8.07	0.28	1.98	0.32	24.28	52.3	0.14
2023-04-03	189.03	7.93	0.29	3.25	0.82	24.10	89.9	0.14

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW15 - Zone 5								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-27	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-02	193.00	7.42	0.30	1.59	0.04	29.75	124.3	0.1
2021-12-09	198.14	8.04	0.31	1.22	0.31	24.62	134.1	0.1
2021-12-14	201.56	7.83	0.31	2.31	0.51	23.45	109.2	0.1
2021-12-21	201.69	7.64	0.31	1.61	0.29	20.22	50.5	0.1
2021-12-28	203.71	7.98	0.31	0.74	0.25	22.51	162.4	0.2
2022-01-04	241.76	8.10	0.37	2.30	2.65	23.04	206.2	0.2
2022-01-11	237.69	7.80	0.37	0.80	1.16	19.68	65.9	0.2
2022-01-16	206.46	7.79	0.32	1.46	0.13	23.47	74.5	0.2
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-04	214.45	7.57	0.33	2.32	0.31	23.14	120.7	0.16
2022-03-07	225.85	7.41	0.35	1.87	1.29	23.00	140.3	0.17
2022-03-14	195.28	7.78	0.30	1.07	0.74	30.45	140.1	0.14
2022-03-21	213.14	7.42	0.33	1.38	0.17	24.61	163.5	0.16
2022-03-28	226.01	7.74	0.35	1.36	0.01	24.67	138.4	0.16
2022-04-04	220.87	7.78	0.34	1.43	0.04	24.03	149.3	0.16
2022-04-25	209.54	7.58	0.32	1.68	0.24	25.06	148.4	0.16
2022-05-02	211.79	7.69	0.33	1.60	0.21	23.38	201.9	0.16
2022-05-09	208.87	7.63	0.32	1.56	0.09	25.26	67.6	0.15
2022-05-16	235.92	7.75	0.36	1.69	0.00	24.81	118.8	0.18
2022-05-23	189.37	7.75	0.29	1.69	0.23	27.62	211.7	0.14
2022-06-03	217.10	7.77	0.33	1.91	0.09	28.94	103.7	0.16
2022-06-06	213.69	7.68	0.33	1.43	9.90	27.80	200.3	0.16
2022-06-13	208.93	7.83	0.32	1.68	0.48	28.46	218.1	0.15
2022-06-20	208.97	7.73	0.32	1.40	0.51	28.88	152.1	0.15
2022-06-28	200.02	7.73	0.31	1.36	0.64	27.35	183.6	0.15
2022-07-08	209.88	7.81	0.32	1.52	0.78	26.65	181.7	0.16
2022-07-11	203.22	7.70	0.31	1.51	0.91	27.97	186.3	0.15
2022-08-02	214.56	7.84	0.33	1.88	0.41	25.89	163.1	0.16
2022-08-12	211.82	7.74	0.33	1.51	0.66	26.42	190.7	0.16
2022-08-15	218.90	7.88	0.34	2.30	0.00	26.70	195.6	0.16
2022-08-23	241.96	7.50	0.37	1.96	0.00	24.73	212.8	0.18
2022-08-30	210.88	7.79	0.32	1.33	0.53	27.84	157.7	0.16
2022-09-06	210.55	7.71	0.32	1.66	1.29	28.06	145.6	0.16
2022-09-12	214.53	7.76	0.33	2.09	1.25	28.17	188.9	0.16
2022-09-19	209.23	7.88	0.32	1.19	0.97	26.73	158.2	0.15
2022-09-26	254.11	7.59	0.39	1.67	1.04	28.44	95.8	0.19
2022-10-04	221.15	7.67	0.34	0.76	0.10	27.56	73.4	0.16
2022-10-18	234.64	7.76	0.36	1.50	1.27	27.38	129.9	0.17
2022-10-20	218.02	7.96	0.34	1.04	1.29	25.82	148.7	0.16
2022-10-25	202.49	7.84	0.31	1.62	0.84	26.96	266.0	0.15
2022-10-27	197.26	7.70	0.30	1.86	0.80	27.08	194.9	0.15
2022-11-01	214.20	7.78	0.33	2.53	0.69	26.27	126.0	0.16
2022-11-03	219.31	7.80	0.34	1.83	0.76	25.26	136.2	0.16
2022-11-08	199.81	7.85	0.31	1.53	1.92	25.77	79.6	0.15
2022-11-10	198.47	7.77	0.31	2.34	0.73	23.98	27.6	0.15
2022-11-15	184.62	7.97	0.28	1.61	0.27	24.78	94.2	0.14
2022-11-17	205.06	7.95	0.32	1.44	1.41	26.21	104.0	0.15
2022-11-20	274.44	7.89	0.42	2.06	0.97	25.09	223.4	0.20
2022-11-22	197.47	7.86	0.30	2.13	1.32	25.28	139.0	0.15
2022-11-28	210.94	7.83	0.32	1.70	0.59	22.93	220.6	0.16
2022-12-19	211.10	7.96	0.32	1.52	0.00	21.44	103.8	0.16
2022-12-27	205.37	7.46	0.32	3.83	3.05	24.16	90.3	0.15
2023-01-03	205.64	7.93	0.32	1.50	1.14	24.20	80.2	0.15
2023-01-09	209.10	7.88	0.32	1.86	0.00	23.56	-37.4	0.15
2023-01-16	207.76	7.76	0.32	1.37	1.05	25.21	-16.1	0.15
2023-01-23	203.23	7.73	0.31	1.12	0.73	24.11	106.4	0.15
2023-02-13	206.86	7.95	0.32	6.44	8.55	23.23	78.2	0.15
2023-02-20	220.12	7.92	0.34	1.01	0.38	23.64	117.3	0.16
2023-03-02	205.86	7.59	0.32	1.78	0.55	24.95	57.7	0.15
2023-03-09	202.79	7.65	0.31	1.43	0.87	23.60	22.3	0.15
2023-03-16	210.34	7.73	0.32	2.41	0.42	25.15	70.1	0.16
2023-03-23	205.30	7.73	0.32	1.93	0.52	23.70	79.5	0.15
2023-03-30	207.30	7.79	0.32	2.29	0.03	25.44	39.5	0.15
2023-04-06	211.06	7.62	0.32	2.19	4.87	24.52	67.8	0.16

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW16								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-01	296.92	7.68	0.46	5.60	3.20	27.94	160.0	0.2
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-22	285.85	8.05	0.44	8.14	1.80	21.47	53.2	0.2
2021-12-29	283.18	7.84	0.44	8.48	3.91	21.56	66.8	0.2
2022-01-05	283.54	8.03	0.44	8.24	2.45	20.68	57.0	0.2
2022-01-12	285.52	8.02	0.44	7.87	0.32	24.27	430.2	0.2
2022-01-17	284.20	7.95	0.44	7.78	0.10	19.79	59.1	0.2
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-01	283.73	7.84	0.44	8.27	2.36	24.31	360.9	0.2
2022-03-08	297.88	7.55	0.46	6.13	0.00	24.76	166.8	0.22
2022-03-15	302.17	7.35	0.47	6.17	0.49	25.14	190.0	0.23
2022-03-22	279.34	7.80	0.43	6.50	0.62	24.45	153.6	0.21
2022-03-31	291.59	7.63	0.45	7.86	1.43	25.53	178.6	0.22
2022-04-04	291.98	7.76	0.46	4.61	7.70	24.47	185.4	0.22
2022-04-26	279.31	7.69	0.43	5.42	0.23	24.16	206.7	0.21
2022-05-03	286.02	7.70	0.44	3.37	0.00	24.47	214.4	0.21
2022-05-10	280.09	7.75	0.43	5.04	0.06	24.30	175.5	0.21
2022-05-17	268.45	7.74	0.41	5.55	0.00	24.72	193.4	0.20
2022-05-24	279.75	8.01	0.43	6.54	0.04	24.51	119.4	0.21
2022-06-01	290.55	7.93	0.45	4.96	1.19	24.56	106.7	0.22
2022-06-07	278.66	7.86	0.43	5.46	0.00	24.56	149.1	0.21
2022-06-14	278.72	7.80	0.43	5.51	0.00	24.46	206.5	0.21
2022-06-21	300.17	8.66	0.46	6.06	0.00	24.32	204.7	0.22
2022-06-29	277.92	7.83	0.43	6.75	0.00	24.41	198.1	0.21
2022-07-08	279.54	7.87	0.43	5.63	0.00	24.36	192.0	0.21
2022-07-11	279.27	7.87	0.43	6.08	0.14	24.45	197.0	0.21
2022-08-02	288.77	7.83	0.44	6.11	0.31	24.46	200.1	0.22
2022-08-09	277.36	7.84	0.43	5.60	0.28	24.98	211.5	0.21
2022-08-16	284.23	7.80	0.44	5.85	0.00	25.07	227.1	0.21
2022-08-25	272.28	7.77	0.42	6.42	0.00	24.96	207.4	0.20
2022-09-01	271.44	7.85	0.42	6.91	0.00	25.47	231.0	0.20
2022-09-07	277.16	7.89	0.43	6.78	0.21	24.78	235.6	0.21
2022-09-13	276.47	7.88	0.43	6.65	0.35	25.03	215.3	0.21
2022-09-22	295.60	7.65	0.45	7.40	0.28	25.67	260.4	0.22
2022-09-27	271.68	7.85	0.42	7.54	0.31	24.78	149.2	0.20
2022-10-04	290.58	7.82	0.45	6.63	0.00	24.56	159.4	0.22
2022-10-18	268.70	7.76	0.41	6.87	0.29	25.48	198.6	0.20
2022-10-20	308.01	7.74	0.47	6.69	0.59	25.82	199.3	0.23
2022-10-24	292.17	7.96	0.45	6.97	1.50	23.89	197.9	0.22
2022-10-27	321.43	7.84	0.49	6.78	0.11	25.05	180.1	0.24
2022-11-01	254.78	7.88	0.39	6.53	0.05	24.92	268.6	0.19
2022-11-03	273.56	7.95	0.42	7.12	0.12	24.40	236.5	0.20
2022-11-07	276.90	7.80	0.43	7.11	0.19	25.16	152.1	0.21
2022-11-10	293.38	7.95	0.45	7.01	0.49	23.96	61.0	0.22
2022-11-15	267.02	7.88	0.41	6.77	0.23	24.53	156.8	0.20
2022-11-17	264.43	7.79	0.41	6.94	0.28	25.09	172.6	0.20
2022-11-19	259.43	7.89	0.40	7.48	0.00	24.66	220.9	0.19
2022-11-22	315.35	7.90	0.49	7.36	0.00	24.25	109.4	0.24
2022-11-29	325.06	7.82	0.50	7.16	0.37	24.78	137.1	0.24
2022-12-20	262.53	7.93	0.40	8.48	0.13	24.31	180.6	0.20
2022-12-28	272.51	8.06	0.42	8.41	0.25	24.11	108.1	0.20
2023-01-04	252.35	7.89	0.39	8.29	0.18	24.46	176.2	0.19
2023-01-10	263.64	4.94	0.41	8.43	0.15	24.80	171.4	0.20
2023-01-17	253.64	7.87	0.39	8.40	0.94	24.91	153.1	0.19
2023-01-25	257.90	7.93	0.40	8.32	0.81	24.24	161.5	0.19
2023-02-14	253.29	7.97	0.39	8.33	0.41	24.08	100.1	0.19
2023-02-21	261.15	7.88	0.40	8.67	0.32	24.05	47.7	0.19
2023-02-28	251.91	7.91	0.39	8.64	0.00	23.95	85.4	0.19
2023-03-06	242.89	7.90	0.37	8.48	0.13	24.50	86.2	0.18
2023-03-13	250.37	7.96	0.39	8.67	4.53	25.35	180.2	0.19
2023-03-20	295.87	7.85	0.46	8.10	0.00	24.86	240.0	0.22
2023-03-27	310.21	7.65	0.48	7.56	4.10	24.32	246.4	0.23
2023-04-03	275.64	7.97	0.42	7.93	0.13	24.92	157.3	0.21

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW17								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
6/15/2022 ^g	339.58	7.48	0.52	6.99	11.33	23.73	213.4	0.25
2022-06-23	319.90	7.29	0.49	6.48	8.90	24.34	54.3	0.24
2022-07-01	310.58	7.77	0.48	5.82	11.88	24.83	16.4	0.23
2022-07-06	318.08	7.61	0.49	6.04	0.49	23.21	187.5	0.24
2022-07-12	306.91	7.35	0.47	5.61	0.00	23.98	271.7	0.23
2022-08-03	298.17	7.37	0.46	4.96	4.35	25.27	161.8	0.22
2022-08-10	311.64	7.31	0.48	2.35	13.10	25.30	-110.9	0.23
2022-08-17	347.25	7.28	0.53	5.00	0.64	26.00	227.5	0.26
2022-08-24	291.70	7.43	0.45	4.58	0.60	24.78	193.2	0.22
2022-08-31	294.22	7.30	0.45	3.77	1.05	24.29	205.4	0.22
2022-09-09	300.88	7.55	0.46	4.90	1.12	25.14	233.7	0.22
2022-09-14	273.19	7.26	0.42	4.79	1.40	26.37	228.0	0.20
2022-09-21	297.93	7.34	0.46	4.26	0.00	23.65	102.8	0.22
2022-09-28	284.29	7.27	0.44	4.77	0.87	23.79	151.6	0.21
2022-10-05	291.84	7.17	0.45	4.83	0.79	24.16	201.9	0.22
2022-10-19	319.62	7.33	0.49	4.95	0.74	25.30	195.1	0.24
2022-10-21	327.76	7.68	0.50	5.53	0.40	29.25	137.3	0.25
2022-10-25	290.14	7.55	0.45	4.41	0.40	23.90	256.5	0.22
2022-10-28	333.03	7.26	0.51	5.42	0.44	26.37	148.1	0.25
2022-11-01	338.22	7.68	0.52	4.86	0.26	23.94	182.1	0.25
2022-11-03	267.12	7.67	0.41	4.25	4.47	25.70	76.5	0.20
2022-11-08	291.48	7.71	0.45	4.27	0.86	24.00	34.3	0.22
2022-11-10	325.98	7.86	0.50	4.49	0.44	23.97	33.6	0.24
2022-11-15	281.61	7.54	0.43	4.82	0.43	25.42	73.5	0.21
2022-11-17	284.49	7.36	0.44	4.74	1.29	26.10	91.4	0.21
2022-11-20	277.99	7.85	0.43	5.09	0.79	23.72	-3.6	0.21
2022-11-22	263.80	7.42	0.41	4.57	0.33	24.23	167.7	0.20
2022-11-30	291.22	7.09	0.45	4.40	0.60	23.51	219.1	0.22
2022-12-21	289.38	7.37	0.45	5.01	2.30	24.36	210.4	0.22
2022-12-30	324.06	7.24	0.50	5.31	1.68	23.12	121.7	0.24
2023-01-06	272.73	7.36	0.42	3.82	1.26	22.68	190.9	0.20
2023-01-12	281.68	4.69 ^l	0.43	5.79	1.96	23.45	100.7	0.21
2023-01-19	262.39	7.31	0.40	4.12	2.40	23.11	252.9	0.20
2023-01-26	320.87	7.58	0.49	4.35	0.97	22.65	-28.8	0.24
2023-02-16	284.93	7.35	0.44	4.48	1.59	24.61	113.7	0.21
2023-02-23	272.89	7.29	0.42	4.15	1.29	22.81	114.1	0.20
2023-03-02	285.23	7.45	0.44	5.11	1.10	23.27	87.9	0.21
2023-03-09	324.51	7.18	0.50	5.25	0.41	21.76	150.7	0.24
2023-03-16	290.33	7.34	0.45	4.48	1.40	23.54	149.1	0.22
2023-03-23	283.87	7.45	0.44	4.99	8.50	22.97	249.2	0.21
2023-03-30	251.41	7.36	0.39	4.57	1.79	25.28	102.7	0.19
2023-04-06	280.07	7.65	0.43	5.88	1.34	24.88	69.8	0.21

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW19								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-30	209.76	7.15	0.32	9.46	0.76	24.02	176.7	0.2
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-27	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2022-01-07	182.51	7.84	0.28	9.75	0.50	22.90	58.9	0.1
2022-01-12	181.29	7.63	0.28	9.07	4.01	20.06	103.0	0.1
2022-01-19	187.89	9.15	0.29	8.73	0.19	22.57	122.9	0.1
2022-01-25	205.49	9.05	0.32	9.18	0.39	22.31	136.8	0.2
2022-02-02	199.05	8.53	0.21	8.69	0.51	25.73	101.5	0.1
2022-02-09	191.78	8.04	0.30	8.68	3.43	22.66	233.2	0.1
2022-02-17	178.97	7.61	0.27	8.33	0.44	22.35	130.7	0.1
2022-02-24	199.88	7.65	0.31	10.71	0.00	13.78	179.3	0.1
2022-03-04	184.90	7.22	0.27	11.51	13.68	27.10	236.5	0.14
2022-03-09	184.33	7.58	0.28	9.42	0.00	24.00	155.5	0.14
2022-03-14	188.78	7.44	0.29	9.74	0.07	23.81	234.0	0.14
2022-03-21	180.93	7.80	0.28	9.44	0.11	24.39	215.3	0.13
2022-03-28	178.33	7.42	0.27	8.91	0.30	23.39	155.3	0.13
2022-04-08	179.34	7.07	0.28	8.95	0.62	22.35	220.3	0.13
2022-04-28	186.23	7.84	0.29	8.13	0.43	24.01	208.5	0.14
2022-05-02	183.00	8.01	0.28	8.68	0.75	22.21	92.8	0.14
2022-05-09	180.88	7.45	0.28	8.58	1.87	24.51	220.7	0.13
2022-05-18	177.87	7.53	0.27	10.16	1.80	23.97	231.4	0.13
2022-05-25	178.78	7.65	0.28	8.84	0.74	25.13	113.6	0.13
2022-06-01	193.40	7.20	0.30	8.47	1.43	25.95	149.1	0.14
2022-06-06	195.23	7.29	0.30	8.28	22.40	25.36	67.8	0.14
2022-06-13	181.23	7.72	0.28	8.13	0.34	32.01	188.6	0.13
2022-06-20	171.07	7.02	0.26	8.55	3.22	23.40	83.6	0.13
2022-06-28	178.51	7.24	0.27	8.70	0.10	22.88	193.8	0.13
2022-07-05	187.99	7.43	0.29	8.60	3.30	24.00	67.0	0.14
2022-07-11	175.64	6.96	0.27	8.63	2.66	23.40	193.5	0.13
2022-08-01	187.71	7.58	0.29	8.87	0.00	24.44	175.7	0.14
2022-08-08	180.94	7.67	0.28	8.41	0.18	23.89	230.8	0.13
2022-08-15	173.68	7.98	0.27	8.49	3.76	25.18	139.9	0.13
2022-08-22	186.48	7.86	0.29	8.29	0.84	25.57	155.8	0.14
2022-08-29	181.26	7.44	0.28	8.61	0.28	25.15	142.5	0.13
2022-09-07	178.95	7.80	0.28	8.35	1.98	24.16	158.1	0.13
2022-09-12	181.42	7.64	0.28	8.49	0.37	23.42	157.7	0.13
2022-09-19	182.23	7.99	0.28	8.60	0.69	23.21	133.3	0.13
2022-09-26	176.11	7.35	0.27	8.44	0.13	23.24	61.2	0.13
2022-10-03	247.65	7.37	0.38	9.79	1.97	27.06	109.5	0.18
2022-10-17	193.87	7.61	0.30	7.23	0.47	24.28	-12.9	0.14
2022-10-19	185.04	7.72	0.28	8.46	0.00	23.88	165.4	0.14
2022-10-24	191.02	7.92	0.29	8.71	0.00	24.13	148.1	0.14
2022-10-26	169.67	7.32	0.26	8.79	1.91	23.06	337.9	0.13
2022-10-31	173.31	7.75	0.27	8.64	5.49	24.52	88.3	0.13
2022-11-02	175.10	7.87	0.27	8.65	3.74	22.84	73.1	0.13
2022-11-07	186.82	7.96	0.29	8.80	0.71	23.22	24.9	0.14
2022-11-09	199.24	7.13	0.31	8.17	1.81	25.66	-14.2	0.15
2022-11-14	174.76	7.49	0.27	8.38	0.58	25.08	47.7	0.13
2022-11-16	181.90	7.47	0.28	8.87	0.84	23.36	109.4	0.13
2022-11-19	176.13	7.61	0.27	8.39	0.00	23.66	76.0	0.13
2022-11-21	186.61	7.45	0.29	8.57	0.33	23.33	256.0	0.14
2022-11-28	183.40	7.59	0.28	9.00	0.00	22.68	63.9	0.14
2022-12-23	185.82	7.52	0.29	8.49	2.92	24.80	101.9	0.14
2022-12-27	181.42	7.36	0.28	8.19	0.45	25.46	19.6	0.13
2023-01-03	190.26	7.28	0.29	8.32	0.67	24.56	67.4	0.14
2023-01-09	214.80	7.56	0.33	8.30	0.43	25.00	122.0	0.16
2023-01-16	186.84	4.79	0.29	8.49	0.67	25.89	99.0	0.14
2023-01-23	176.86	7.26	0.27	7.86	1.41	28.85	133.1	0.13
2023-02-13	338.54	7.67	0.52	8.50	0.23	23.20	56.6	0.25
2023-02-20	183.39	7.62	0.28	8.58	0.26	25.30	29.8	0.14
2023-02-27	182.65	7.68	0.28	9.75	0.10	21.94	-59.7	0.13
2023-03-06	189.81	7.66	0.29	8.73	2.26	22.35	41.6	0.14
2023-03-13	191.03	7.73	0.29	8.85	0.45	23.78	201.6	0.14
2023-03-20	179.78	7.74	0.28	8.52	0.61	24.15	170.7	0.13
2023-03-27	186.27	7.56	0.29	8.73	1.24	23.94	182.3	0.14
2023-04-03	184.05	7.65	0.28	8.52	3.80	23.20	19.7	0.14

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

OWDFMW01								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-01	2517.32	11.56	3.87	7.71	1.05	27.74	137.8	2.1
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-01	2987.69	8.18	4.60	5.39	2.71	25.76	261.6	2.5
2021-12-08	3027.85	8.21	4.66	5.98	8.33	25.30	161.7	2.5
2021-12-13	3012.87	8.26	4.63	5.86	3.08	24.68	166.7	2.5
2021-12-21	2994.76	7.91	4.61	5.07	1.41	24.75	92.8	2.5
2021-12-27	3012.78	8.06	4.64	6.59	5.95	25.00	81.4	2.5
2022-01-04	2985.58	7.61	4.60	5.71	0.18	21.92	52.7	2.5
2022-01-11	2941.57	8.11	4.53	5.58	1.27	24.45	156.9	2.4
2022-01-17	2943.42	8.04	4.53	5.21	1.19	25.59	130.2	2.4
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-03	2893.50	8.10	4.45	5.86	2.86	27.23	140.9	2.40
2022-03-10	2851.89	8.32	4.39	5.47	6.12	26.10	130.7	2.37
2022-03-15	3109.50	8.12	4.78	6.00	9.59	27.15	80.6	2.60
2022-03-23	3009.80	7.90	4.63	5.62	0.91	26.31	181.6	2.51
2022-03-30	2920.50	7.95	4.49	6.27	3.26	26.13	152.0	2.43
4/6/2022*	0.03	6.23	0.00	8.24	0.65	26.44	257.5	0.00
2022-04-27	2903.00	8.07	4.47	6.10	0.86	26.40	183.2	2.41
2022-05-04	2984.27	7.88	4.59	5.92	0.18	26.30	181.5	2.48
2022-05-11	2909.82	7.89	4.48	6.29	1.43	26.46	147.9	2.42
2022-05-20	2998.20	7.72	4.61	5.95	12.48	26.14	171.6	2.50
2022-05-25	3055.94	7.86	4.70	7.48	1.69	26.90	123.8	2.55
2022-05-31	2882.62	7.78	4.43	5.96	1.82	27.07	104.1	2.39
2022-06-09	2796.64	8.03	4.30	6.72	0.25	28.86	120.9	2.32
2022-06-15	2936.83	7.71	4.52	5.44	0.00	26.92	173.8	2.44
2022-06-24	2879.99	7.75	4.43	6.53	2.54	26.32	213.5	2.39
2022-06-28	3116.57	7.61	4.79	5.97	0.00	26.94	247.9	2.60
2022-07-06	2873.54	7.82	4.42	5.47	1.07	26.21	161.0	2.39
2022-07-12	2851.21	7.75	4.39	5.65	3.13	27.11	172.7	2.37
2022-08-03	2767.98	8.02	4.26	5.64	1.06	26.71	168.6	2.29
2022-08-10	2999.40	7.67	4.61	6.06	1.65	26.63	195.2	2.50
2022-08-17	2931.64	7.72	4.51	5.48	5.37	28.65	186.9	2.44
2022-08-24	2747.79	7.82	4.23	6.63	4.14	27.30	194.2	2.28
2022-08-31	2856.53	7.59	4.39	6.09	7.31	27.37	196.0	2.37
2022-09-09	2911.11	7.62	4.48	6.68	3.94	27.02	210.6	2.42
2022-09-14	2907.72	7.57	4.47	6.04	1.27	27.51	146.2	2.42
2022-09-21	2978.48	7.73	4.58	5.13	2.23	27.56	77.4	2.48
2022-09-28	2844.98	7.60	4.38	6.00	0.80	27.60	130.0	2.36
2022-10-05	3010.62	7.45	4.63	5.22	1.30	26.83	165.1	2.51
2022-10-19	3115.95	7.47	4.79	5.79	0.37	26.30	169.6	2.60
2022-10-21	2835.12	7.80	4.36	5.73	24.70	26.27	171.1	2.35
2022-10-25	2852.75	7.70	4.39	5.40	3.88	27.54	270.5	2.37
2022-10-28	2899.79	7.84	4.46	5.57	0.35	26.31	147.5	2.41
2022-11-02	3050.24	7.76	4.69	5.44	0.64	26.25	165.0	2.54
2022-11-04	2711.41	8.03	4.17	5.51	7.40	26.81	112.9	2.24
2022-11-09	2932.00	7.73	4.51	5.52	0.62	26.53	52.1	2.44
2022-11-11	2683.91	7.89	4.13	5.39	1.69	26.61	19.4	2.22
2022-11-16	3159.18	7.54	4.86	5.56	0.63	26.49	159.1	2.64
2022-11-18	3148.34	7.73	4.84	5.01	0.00	26.56	38.3	2.63
2022-11-20	3346.15	7.62	5.15	5.44	0.00	26.41	302.7	2.81
2022-11-23	2666.43	7.61	4.10	5.09	0.18	27.26	123.5	2.20
2022-11-30	2989.70	7.54	4.60	4.18	5.12	26.03	178.8	2.49
2022-12-21	3125.71	7.59	4.81	4.46	5.86	26.06	160.3	2.61
2022-12-30	3086.56	7.67	4.75	4.06	6.21	25.28	120.1	2.58
2023-01-06	2831.91	7.65	4.36	4.05	6.02	25.47	147.3	2.35
2023-01-12	2993.46	4.70 ^l	4.61	3.89	1.19	24.52	121.9	2.49
2023-01-19	2821.38	7.59	4.34	4.67	2.84	24.83	271.3	2.34
2023-01-26	3109.30	7.63	4.78	4.29	0.77	25.10	9.1	2.60
2023-02-16	2993.64	7.81	4.61	5.08	19.15	25.75	73.2	2.49
2023-02-23	2953.96	7.59	4.54	4.29	2.43	25.27	60.9	2.46
2023-03-02	2757.67	7.62	4.24	3.25	7.38	25.15	114.0	2.28
2023-03-09	2942.28	7.67	4.53	4.36	9.78	25.76	70.4	2.45
2023-03-16	3065.65	8.17	4.72	4.31	9.19	26.36	96.4	2.56
2023-03-23	2885.55	7.82	4.44	3.61	8.31	25.66	196.2	2.40
2023-03-30	2821.58	7.96	4.34	3.03	19.32	26.23	49.0	2.34
2023-04-06	3106.39	7.77	4.78	2.20	14.31	25.81	42.9	2.59

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

RHMW2254-01								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-27	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-06	415.09	7.52	0.64	8.14	0.00	21.33	71.4	0.3
2021-10-13	417.78	7.61	0.64	8.64	0.03	21.85	164.7	0.3
2021-10-20	429.27	7.46	0.66	8.63	0.07	21.25	102.8	0.3
2021-10-26	425.03	7.55	0.65	8.63	0.05	21.13	96.3	0.3
2021-11-03	413.91	7.82	0.64	8.07	0.18	21.87	184.8	0.3
2021-11-10	422.24	6.98	0.65	8.66	0.01	21.74	163.1	0.3
2021-11-17	415.59	7.80	0.64	8.71	0.00	21.46	373.5	0.3
2021-11-24	416.77	7.73	0.64	8.21	0.00	20.97	67.2	0.3
2021-12-01	402.73	7.27	0.62	8.40	0.00	21.90	209.7	0.3
2021-12-08	391.73	7.69	0.60	7.31	NM	23.39	116.3	0.3
2021-12-15	362.34	7.34	0.56	3.52	0.38	20.96	56.2	0.3
2021-12-20	388.64	7.49	0.60	1.97	1.80	23.77	197.7	0.3
2021-12-21	348.68	7.16	0.52	2.39	0.13	21.72	138.1	0.3
2021-12-27	349.39	7.25	0.54	1.53	0.22	21.83	51.3	0.3
2021-01-03	302.76	7.28	0.46	1.58	0.00	22.43	262.2	0.2
2022-01-10	348.29	7.19	0.53	1.02	NM	18.81	47.6	0.3
2022-01-20	339.90	7.38	0.52	1.63	0.14	22.35	125.4	0.3
2022-01-24	300.40	6.78	0.46	4.31	0.31	22.17	109.1	0.2
2022-02-03	345.67	7.53	0.53	9.48	NM	15.16	69.7	0.3
2022-02-10	359.30	7.70	0.55	8.45	0.00	21.81	120.0	0.3
2022-02-17	368.33	7.55	0.57	8.51	0.24	22.09	331.1	0.3
2022-02-22	372.40	7.65	0.57	8.23	0.00	22.08	366.5	0.3
2022-02-26	361.16	8.04	0.56	8.50	0.09	22.02	322.6	0.3
2022-03-03	359.33	7.43	0.55	8.49	0.02	22.17	145.6	0.27
2022-03-09	371.30	7.14	0.57	8.46	0.00	22.07	171.6	0.28
2022-03-17	428.91	7.26	0.66	8.54	0.29	22.21	223.2	0.32
2022-03-24	370.01	7.37	0.57	8.52	8.72	22.07	275.5	0.28
2022-03-29	362.91	7.44	0.56	8.52	0.67	22.07	230.2	0.27
2022-04-07	371.21	7.40	0.57	8.58	0.62	22.06	220.5	0.28
2022-04-28	366.64	7.32	0.56	8.59	0.82	21.88	21.7	0.28
2022-05-05	383.42	7.38	0.59	9.38	0.65	21.95	85.0	0.29
2022-05-12	372.95	7.38	0.57	8.60	0.00	21.94	149.4	0.28
2022-05-19	361.70	7.30	0.56	8.66	0.00	21.96	58.8	0.27
2022-05-26	366.17	7.30	0.56	8.70	0.15	21.97	55.0	0.28
2022-06-02	379.43	7.41	0.58	8.60	0.11	21.95	51.6	0.29
2022-06-09	369.57	7.34	0.57	8.68	0.00	21.90	210.7	0.28
2022-06-16	346.23	7.14	0.53	8.69	1.00	21.87	185.2	0.26
2022-06-23	369.73	7.11	0.57	8.86	0.36	21.93	84.8	0.28
2022-07-01	371.79	7.13	0.57	8.73	3.61	22.13	80.7	0.28
2022-07-07	373.12	7.08	0.57	8.66	1.41	22.15	87.4	0.28
2022-07-13	369.97	6.87	0.57	9.43	0.73	21.97	208.0	0.28
2022-08-04	378.67	7.67	0.58	8.65	0.00	21.81	219.8	0.29
2022-08-11	365.09	7.41	0.56	8.74	0.00	22.03	284.1	0.27
2022-08-18	363.62	7.48	0.56	8.74	4.89	22.14	280.8	0.27
2022-08-25	380.58	7.61	0.59	8.64	0.00	21.89	197.2	0.29
2022-09-01	388.72	7.71	0.60	8.62	0.00	21.93	71.3	0.29
2022-09-08	379.74	7.77	0.58	8.64	0.00	21.82	173.2	0.29
2022-09-15	397.41	7.72	0.61	8.61	0.00	22.18	162.6	0.30
2022-09-22	391.18	7.54	0.60	8.66	0.14	22.16	83.5	0.29
2022-09-29	382.31	7.73	0.59	8.67	0.23	22.25	106.8	0.29
2022-10-06	448.65	7.26	0.69	8.60	0.07	22.03	138.7	0.34
2022-10-18	401.24	7.80	0.62	8.63	0.00	21.73	181.0	0.30
2022-10-20	397.77	7.84	0.61	8.67	0.00	21.92	181.9	0.30
2022-10-25	438.23	7.51	0.67	8.73	0.13	22.06	174.9	0.33
2022-10-27	430.55	7.61	0.66	8.77	0.22	22.44	210.3	0.33
2022-11-01	460.85	7.50	0.71	8.68	0.00	21.99	211.4	0.35
2022-11-03	355.42	7.52	0.55	8.32	0.07	24.20	140.1	0.27
2022-11-08	380.68	7.57	0.59	8.74	0.00	22.14	84.0	0.29
2022-11-10	430.36	7.77	0.66	8.68	0.02	21.95	95.2	0.33
2022-11-15	388.93	7.50	0.60	8.27	0.00	23.85	123.8	0.29
2022-11-17	390.37	7.51	0.60	8.24	0.38	24.02	107.5	0.29
2022-11-20	376.81	7.76	0.58	8.65	0.41	22.05	29.4	0.28
2022-11-22	362.82	7.53	0.56	8.29	0.39	23.88	127.8	0.27
2022-12-01	374.75	7.32	0.58	8.58	0.31	24.21	50.9	0.28
2022-12-21	448.42	7.49	0.69	8.54	0.37	21.88	158.9	0.34
2022-12-29	448.36	7.49	0.69	8.41	0.27	21.95	155.1	0.34
2023-01-05	452.73	6.71	0.70	8.53	0.05	21.81	142.2	0.34
2023-01-11	410.76	7.61	0.63	8.57	0.00	21.69	138.1	0.31
2023-01-18	409.25	7.63	0.63	8.62	0.00	22.13	247.1	0.31
2023-01-26	383.47	7.48	0.59	8.60	0.01	21.88	71.6	0.29
2023-02-15	412.91	7.61	0.64	8.61	0.00	21.85	106.9	0.31
2023-02-22	390.09	7.52	0.60	8.68	0.25	21.92	52.2	0.29
2023-03-01	387.01	7.65	0.60	8.60	0.39	22.07	75.9	0.29
2023-03-08	382.28	7.56	0.59	8.68	0.00	21.90	56.5	0.29
2023-03-16	379.04	7.45	0.58	8.63	0.00	21.83	240.5	0.29
2023-03-22	372.82	7.55	0.57	8.60	0.08	22.03	253.4	0.28
2023-03-29	371.70	7.56	0.57	8.54	0.08	21.96	210.3	0.28
2023-04-05	392.69	7.58	0.60	8.70	0.00	22.14	122.5	0.30

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

OWDFMW04A								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-27	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-30	584.21	8.77	0.90	3.87	0.50	21.34	48.5	0.4
2022-01-06	588.13	8.86	0.91	1.01	0.01	24.51	139.9	0.5
2022-01-13	572.58	8.73	0.88	1.48	0.34	24.22	186.7	0.4
2022-01-16	597.95	8.59	0.92	1.67	0.07	24.31	204.6	0.5
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-02	611.77	7.88	0.93	4.52	2.20	25.88	185.7	0.47
2022-03-09	669.87	7.78	1.03	3.06	0.00	24.58	198.7	0.52
2022-03-16	638.54	7.71	0.98	2.68	0.00	24.82	166.5	0.49
2022-03-21	588.64	7.88	0.91	2.66	0.00	24.69	145.7	0.45
2022-03-28	591.11	7.76	0.91	2.36	0.00	24.42	141.3	0.45
2022-04-05	633.09	7.76	0.97	2.54	0.32	25.03	186.7	0.49
2022-04-25	599.73	7.88	0.92	3.44	0.28	25.43	193.4	0.46
2022-05-02	603.22	7.77	0.93	2.97	0.00	24.37	189.4	0.46
2022-05-09	598.68	7.44	0.92	3.00	0.00	25.43	150.3	0.46
2022-05-18	606.39	7.74	0.93	3.16	0.00	25.21	163.2	0.46
2022-05-23	614.83	7.51	0.95	3.09	0.00	25.27	38.8	0.47
2022-06-03	612.77	7.84	0.94	3.16	0.08	25.45	116.8	0.47
2022-06-06	606.47	7.77	0.93	3.12	0.19	26.28	103.6	0.46
2022-06-13	606.38	7.81	0.93	3.30	0.25	25.93	123.5	0.46
2022-06-22	614.52	7.72	0.95	3.21	0.05	25.53	150.0	0.47
2022-06-30	610.83	7.70	0.94	3.09	0.04	24.86	184.7	0.47
2022-07-05	607.67	7.81	0.93	3.18	0.10	25.06	185.6	0.47
2022-07-15	601.54	7.71	0.93	3.37	0.37	25.11	156.2	0.46
2022-08-01	630.14	7.68	0.97	3.46	0.00	25.10	179.1	0.48
2022-08-08	634.00	7.72	0.98	3.82	0.28	26.71	201.7	0.49
2022-08-15	623.95	7.42	0.96	3.38	0.00	25.44	223.5	0.48
2022-08-22	603.36	7.67	0.93	3.49	0.00	25.84	171.1	0.46
2022-08-29	547.36	7.64	0.84	3.20	0.25	25.52	140.9	0.42
2022-09-06	619.48	7.60	0.95	3.37	1.37	26.63	188.0	0.47
2022-09-12	624.61	7.64	0.96	3.08	0.90	25.46	161.2	0.48
2022-09-21	636.78	7.55	0.98	3.19	1.26	25.62	63.3	0.49
2022-09-26	630.59	7.51	0.97	2.91	0.57	26.09	80.2	0.48
2022-10-03	625.11	7.65	0.96	2.88	0.50	25.06	100.8	0.48
2022-10-17	722.06	7.64	1.11	3.21	1.36	27.01	106.2	0.56
2022-10-21	664.86	7.71	1.02	3.15	0.92	25.15	141.7	0.51
2022-10-26	702.99	7.90	1.08	3.04	0.01	25.48	137.0	0.54
2022-10-28	672.94	7.67	1.04	2.89	0.34	25.41	153.0	0.52
2022-10-31	791.77	7.59	1.22	2.81	0.70	24.70	157.3	0.61
2022-11-04	783.84	7.40	1.21	2.79	0.21	25.08	107.0	0.61
2022-11-08	786.04	7.32	1.21	2.64	0.00	24.96	43.6	0.61
2022-11-11	660.28	7.69	1.02	2.68	0.70	24.55	95.3	0.51
2022-11-14	820.39	7.85	1.26	2.82	0.00	24.58	25.6	0.64
2022-11-18	611.88	7.72	0.94	2.80	0.00	24.59	135.8	0.47
2022-11-21	749.06	7.71	1.15	2.85	0.00	24.78	20.2	0.58
2022-11-23	650.90	7.74	1.00	3.11	0.00	24.75	338.5	0.50
2022-12-01	615.54	7.72	0.95	2.86	0.13	24.30	133.5	0.47
2022-12-19	538.89	7.97	0.83	2.72	0.00	23.63	160.8	0.41
2022-12-29	698.25	7.46	1.07	1.63	0.35	24.57	103.7	0.54
2023-01-05	645.94	7.53	0.99	1.62	0.78	24.27	96.0	0.50
2023-01-11	712.41	7.51	1.10	2.44	0.00	24.77	53.0	0.55
2023-01-18	643.06	7.63	0.99	7.38	2.88	24.80	121.2	0.49
2023-01-24	744.78	7.66	1.15	6.42	0.00	24.21	35.5	0.58
2023-02-15	751.79	7.55	1.16	5.72	4.36	24.10	85.2	0.58
2023-02-22	611.39	7.53	0.94	5.68	3.08	24.47	57.3	0.47
2023-03-01	690.91	7.57	1.06	5.79	2.27	24.28	88.3	0.53
2023-03-10	588.37	7.46	0.91	5.99	4.15	24.80	184.9	0.45
2023-03-15	611.69	7.46	0.94	6.05	0.33	24.93	192.9	0.47
2023-03-22	623.30	7.37	0.96	5.56	4.10	24.50	222.3	0.48
2023-03-29	647.81	7.43	1.00	5.62	1.19	24.86	150.7	0.50
2023-04-05	626.10	7.51	0.96	5.70	0.78	25.09	136.1	0.48

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

OWDFMW05A								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-27	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-31	477.00	7.97	0.73	0.62	0.58	22.18	43.5	0.4
2022-01-06	485.69	7.61	0.75	0.59	0.47	24.70	81.1	0.4
2022-01-13	476.15	7.93	0.73	0.43	0.31	20.66	31.0	0.4
2022-01-16	469.00	7.90	0.72	0.68	0.31	21.17	56.8	0.4
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
2022-03-02	496.34	7.75	0.76	1.26	39.08	25.26	174.8	0.38
2022-03-07	486.53	7.85	0.75	0.51	1.12	26.42	-18.7	0.37
2022-03-17	560.47	7.65	0.86	0.71	164.63	26.16	124.6	0.43
2022-03-22	473.91	7.57	0.73	0.25	0.05	25.05	-26.3	0.36
2022-03-28	473.20	7.64	0.73	0.33	0.00	25.22	-18.9	0.36
2022-04-05	504.40	7.56	0.78	1.18	13.59	25.16	181.1	0.38
2022-04-25	483.45	7.70	0.74	0.70	1.76	26.28	146.5	0.37
2022-05-02	487.60	7.65	0.75	0.28	0.00	24.87	71.8	0.37
2022-05-09	473.06	7.61	0.73	0.65	0.00	26.99	110.3	0.36
2022-05-18	482.46	7.63	0.74	0.65	0.17	25.81	115.7	0.37
2022-05-23	456.17	7.58	0.70	0.39	218.53	25.72	59.6	0.35
2022-06-03	482.67	7.73	0.74	0.51	0.10	25.90	87.5	0.37
2022-06-06	485.33	7.75	0.75	0.37	0.16	26.18	72.3	0.37
2022-06-13	483.23	7.72	0.74	0.46	0.18	25.90	100.6	0.37
2022-06-20	520.08	8.58	0.80	0.38	119.81	26.36	-11.3	0.40
2022-06-30	490.46	7.68	0.75	0.45	9.76	26.39	118.9	0.37
2022-07-08	489.52	7.73	0.75	0.39	7.92	25.28	66.4	0.37
2022-07-15	475.95	7.73	0.73	0.53	1.12	26.44	72.8	0.36
8/1/2022*	0.03	6.03	0.00	8.12	0.00	26.11	198.7	0.00
2022-08-08	508.70	7.74	0.78	0.42	0.66	26.05	149.2	0.39
2022-08-15	508.15	7.74	0.78	0.42	0.00	26.23	142.2	0.39
2022-08-22	477.85	7.73	0.74	0.47	0.00	26.03	116.8	0.36
2022-08-29	414.44	7.75	0.64	0.27	3.90	25.80	44.8	0.31
2022-09-06	492.64	7.68	0.76	0.34	0.46	26.05	46.4	0.37
2022-09-12	496.09	7.70	0.76	0.41	1.02	25.86	53.8	0.38
2022-09-19	493.87	7.65	0.76	0.59	3.53	26.91	-8.6	0.38
2022-09-26	506.29	7.70	0.78	0.32	0.40	25.81	-23.4	0.39
2022-10-03	496.86	7.64	0.76	0.36	0.31	25.80	12.6	0.38
2022-10-17	551.90	7.77	0.85	0.67	59.53	26.46	90.4	0.42
2022-10-21	527.51	8.14	0.81	0.41	9.86	25.54	96.8	0.40
2022-10-26	548.98	7.81	0.84	0.53	0.00	25.65	72.6	0.42
2022-10-28	533.45	7.93	0.82	0.38	0.49	25.62	88.5	0.41
2022-10-31	626.99	7.74	0.96	0.40	0.04	25.51	81.6	0.48
2022-11-04	619.24	7.76	0.95	0.44	0.00	25.73	41.6	0.47
2022-11-08	597.85	7.65	0.92	0.44	0.00	25.92	-40.7	0.46
2022-11-11	520.96	7.65	0.80	0.60	0.51	26.12	57.6	0.40
2022-11-14	644.64	7.77	0.99	0.38	0.00	25.11	-52.8	0.50
2022-11-18	478.10	7.64	0.74	0.72	0.00	26.08	86.4	0.36
2022-11-21	592.90	7.73	0.91	0.50	0.00	25.81	-60.2	0.45
2022-11-23	513.92	7.67	0.79	0.71	0.00	25.56	275.4	0.39
2022-12-01	483.18	7.73	0.74	0.21	0.00	24.69	41.8	0.37
2022-12-19	603.48	7.72	0.93	0.73	0.22	25.18	26.5	0.46
2022-12-29	527.13	7.64	0.81	0.57	0.30	25.00	65.4	0.40
2023-01-05	492.73	7.70	0.76	0.44	0.26	25.05	46.6	0.37
2023-01-11	545.51	7.66	0.84	0.48	0.00	25.21	4.6	0.42
2023-01-18	495.02	7.71	0.76	0.52	0.82	25.57	23.2	0.38
2023-01-24	582.13	7.76	0.90	0.39	0.00	25.01	56.7	0.45
2023-02-15	611.23	7.74	0.94	0.39	0.54	24.95	-40.0	0.47
2023-02-22	497.47	7.71	0.77	0.56	0.82	25.06	-25.8	0.38
2023-03-01	576.91	7.76	0.89	0.34	0.53	25.13	-46.9	0.44
2023-03-10	481.49	7.72	0.74	0.32	98.77 ^m	25.28	174.6	0.37
2023-03-15	502.15	7.68	0.77	0.54	0.38	26.19	85.2	0.38
2023-03-22	512.97	7.62	0.79	0.44	0.00	25.45	115.5	0.39
2023-03-29	541.16	7.65	0.83	0.67	0.49	25.43	59.7	0.41
2023-04-05	517.55	7.75	0.80	0.49	0.19	25.16	59.0	0.39

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

OWDFMW07A								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (MV)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-27	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-31	277.09	7.15	8.43	3.82	6.51	21.46	58.6	0.2
2022-01-06	274.56	6.84	0.42	3.93	8.05	25.59	254.8	0.2
2022-01-13	270.54	7.00	0.42	4.24	8.58	20.59	68.8	0.2
2022-01-20	265.08	6.82	0.41	3.79	4.63	24.49	543.4	0.2
2022-01-24	261.67	6.84	0.40	4.21	2.96	20.32	67.2	0.2
2022-02-02	260.33	6.82	0.40	4.58	NM	18.21	61.7	0.7
2022-02-09	259.49	6.92	0.40	4.65	2.42	17.93	56.7	0.2
2022-02-17	260.36	6.94	0.40	5.17	2.18	16.93	62.2	0.2
2022-02-23	264.58	6.84	0.41	4.46	1.20	15.98	70.7	0.2
2022-02-28	267.03	6.82	0.41	4.01	1.02	25.23	205.8	0.2
2022-03-09	278.01	6.55	0.43	3.74	2.01	24.33	205.7	0.21
2022-03-16	261.68	6.55	0.40	3.85	374.39	25.28	167.5	0.19
2022-03-23	254.18	6.69	0.39	4.29	241.20	25.23	218.3	0.19
2022-03-31	251.54	6.81	0.39	4.33	5.25	25.52	200.9	0.19
2022-04-07	255.23	6.78	0.39	4.23	850.11	25.14	213.7	0.19
2022-04-27	315.44	8.59	0.49	2.82	2.32	25.16	174.5	0.24
2022-05-05	306.27	9.25	0.47	2.93	2.55	26.31	190.4	0.23
2022-05-12	257.05	6.11	0.40	4.45	1.15	26.37	247.7	0.19
2022-05-19	255.53	6.31	0.39	4.60	0.29	26.14	261.9	0.19
2022-05-26	242.19	6.75	0.37	4.84	2.99	25.91	96.4	0.18
2022-06-02	247.44	6.71	0.38	4.50	0.55	25.37	186.6	0.18
2022-06-08	248.86	6.64	0.38	4.35	0.92	25.78	184.9	0.19
2022-06-16	247.86	6.63	0.38	4.78	0.95	25.71	235.3	0.18
2022-06-21	338.16	6.26	0.52	4.38	2.91	25.60	195.2	0.25
2022-07-01	256.01	6.55	0.39	4.49	11.93	25.65	292.0	0.19
2022-07-07	267.29	6.59	0.41	4.74	3.33	25.84	237.9	0.20
2022-07-13	252.66	6.59	0.39	4.70	6.98	25.88	247.2	0.19
2022-08-04	258.67	6.57	0.40	4.71	2.83	25.68	234.7	0.19
2022-08-11	254.91	6.47	0.39	4.91	5.68	26.03	256.0	0.19
2022-08-18	257.17 ^a	6.68	0.40 ^b	3.17	1.91	25.75	275.2	0.19 ^b
2022-08-23	247.52	6.61	0.38	5.17	4.17	26.02	283.0	0.18
2022-08-30	251.33	6.61	0.39	3.86	1.51	25.96	253.9	0.19
2022-09-08	270.08	6.59	0.42	4.55	1.42	25.56	261.2	0.20
2022-09-15	258.30	6.57	0.40	4.61	4.77	26.23	171.6	0.19
2022-09-20	260.96	6.54	0.40	3.84	3.57	25.33	151.7	0.19
2022-09-29	272.69	6.50	0.42	4.25	26.96	25.26	218.5	0.20
2022-10-06	264.16	6.51	0.41	4.60	11.94	25.82	226.8	0.20
2022-10-17	254.82	6.50	0.39	4.21	4.10	25.27	227.0	0.19
2022-10-21	268.71	6.53	0.41	4.52	4.09	25.37	247.2	0.20
2022-10-24	264.84	6.59	0.41	4.18	2.86	25.12	331.4	0.20
2022-10-28	237.69	6.68	0.37	4.43	4.34	25.17	287.3	0.18
2022-10-31	244.82	6.67	0.38	3.90	6.78	26.29	257.3	0.18
2022-11-04	239.72	6.70	0.37	4.00	5.88	25.72	272.2	0.18
2022-11-08	252.63	6.62	0.39	4.16	7.38	25.21	216.8	0.19
2022-11-11	282.69	6.68	0.43	4.61	6.52	25.21	153.0	0.21
2022-11-14	477.92	6.59	0.74	5.07	5.54	25.30	218.6	0.36
2022-11-18	258.88	6.68	0.40	3.41	22.70	27.04	123.8	0.19
2022-11-20	255.31	6.61	0.39	3.97	5.53	28.66	431.0	0.19
2022-11-23	280.87	6.69	0.43	4.51	7.68	24.77	153.7	0.21
2022-11-28	242.05	6.75	0.37	4.76	3.63	24.98	244.0	0.18
2022-12-22	247.47	6.50	0.38	4.76	8.06	25.01	234.0	0.18
2022-12-27	249.58	6.59	0.38	4.76	10.53	25.15	221.2	0.19
2023-01-03	249.35	6.51	0.38	4.57	6.40	24.76	225.5	0.19
2023-01-09	266.38	6.57	0.41	4.60	7.43	24.82	209.0	0.20
2023-01-16	248.47	6.54	0.38	4.82	4.44	24.67	162.1	0.18
2023-01-23	248.83	6.60	0.38	4.18	5.89	25.04	234.3	0.19
2023-02-13	266.45	6.51	0.41	4.71	5.57	24.57	151.5	0.20
2023-02-24	N/A ^c	6.57	N/A ^c	4.42	1.23	24.42	228.4	N/A ^c
2023-02-27	276.37	6.56	0.43	4.13	0.80	24.94	129.7	0.21
2023-03-07	250.79	6.70	0.39	4.03	5.56	24.71	122.1	0.19
2023-03-14	251.74	6.52	0.39	3.91	3.37	25.02	240.2	0.19
2023-03-24	284.87	6.57	0.44	3.66	18.94	24.88	320.5	0.21
2023-03-28	251.75	6.61	0.39	3.79	22.57	25.06	324.0	0.19
2023-04-04	259.92	6.66	0.40	3.63	12.65	24.84	177.7	0.19

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Stabilized Groundwater Parameters

OWDFMW08A								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2021-05-10	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-17	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-24	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-05-31	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-07	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-14	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-21	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-06-28	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-05	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-12	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-19	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-07-26	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-02	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-09	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-16	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-23	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-08-30	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-09-27	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-04	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-11	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-18	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-10-25	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-01	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-08	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-15	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-22	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-11-29	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-06	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-13	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-20	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
2021-12-30	683.79	7.67	1.05	2.12	NM	23.82	69.1	0.5
2022-01-06	684.05	7.60	1.06	2.52	0.01	24.62	99.2	0.5
2022-01-13	661.18	7.69	1.02	3.49	4.94	24.97	220.1	0.5
2022-01-16	688.91	7.66	1.06	3.13	5.83	25.61	302.9	0.5
2022-01-24	676.08	7.64	1.04	3.89	3.24	19.95	66.2	0.5
2022-02-02	670.56	7.28	1.03	5.52	2.04	20.00	66.6	0.5
2022-02-09	667.39	7.28	1.03	5.96	1.16	18.80	63.5	0.5
2022-02-16	675.95	7.32	1.04	5.25	NR	16.95	67.3	0.5
2022-02-23	677.77	7.21	1.05	5.89	2.76	16.50	68.9	0.5
2022-02-28	669.79	7.25	1.03	4.75	0.55	24.89	127.0	0.5
2022-03-07	682.23	7.15	1.05	5.17	1.80	26.45	140.4	0.53
2022-03-17	794.63	6.93	1.22	5.23	14.16	25.58	165.4	0.62
2022-03-24	670.55	7.08	1.03	6.64	2.65	24.94	158.2	0.52
2022-03-31	655.78	7.05	1.01	5.34	0.91	25.77	169.9	0.50
2022-04-07	663.84	7.13	1.02	5.56	0.00	26.19	192.0	0.51
2022-04-27	676.73	7.01	1.04	5.08	2.58	25.11	125.7	0.52
2022-05-05	658.99	7.04	1.01	4.82	20.44	25.83	128.2	0.51
2022-05-12	669.93	6.91	1.03	5.49	0.72	27.10	199.9	0.52
2022-05-19	665.66	6.99	1.02	5.01	1.64	25.63	208.7	0.51
2022-05-26	635.19	7.13	0.98	4.82	8.70	25.58	77.5	0.49
2022-06-02	668.19	7.05	1.03	5.71	1.61	27.16	155.1	0.51
2022-06-08	672.35	6.97	1.03	5.60	1.11	27.96	169.3	0.52
2022-06-16	667.76	6.97	1.03	5.48	0.46	26.44	193.3	0.51
2022-06-23	674.76	6.94	1.04	5.51	0.34	25.91	202.4	0.52
2022-07-01	689.24	6.78	1.06	5.57	1.59	26.27	248.5	0.53
2022-07-07	718.16	6.94	1.10	5.61	2.01	26.76	214.4	0.55
2022-07-13	671.73	6.91	1.03	5.44	0.00	26.76	229.6	0.52
2022-08-04	688.54	6.97	1.06	5.06	0.00	25.80	134.9	0.53
2022-08-11	681.68	6.95	1.05	5.16	0.16	27.18	165.7	0.52
2022-08-19	680.45	7.02	1.05	5.23	0.00	25.73	233.4	0.52
2022-08-23	656.84	7.00	1.01	5.66	0.02	25.81	207.3	0.50
2022-08-31	661.60	6.80	1.02	5.66	0.07	26.38	218.2	0.51
2022-09-08	723.22	6.92	1.11	5.41	0.42	26.91	245.4	0.56
2022-09-15	688.24	6.90	1.06	5.49	1.76	27.73	145.6	0.53
2022-09-22	702.73	6.72	1.08	5.42	0.44	26.47	147.3	0.54
2022-09-29	728.39	6.67	1.12	5.46	0.37	26.14	197.5	0.56
2022-10-06	701.00	6.82	1.08	5.34	0.37	25.82	214.0	0.54
2022-10-17	680.93	6.74	1.05	5.21	2.26	25.82	222.1	0.52
2022-10-21	705.55	6.88	1.09	5.42	1.54	26.37	235.3	0.54
2022-10-24	706.75	6.79	1.09	5.39	2.08	25.30	319.0	0.54
2022-10-28	632.35	6.99	0.97	5.47	0.90	26.20	259.2	0.49
2022-10-31	649.28	6.93	1.00	5.31	0.34	25.28	254.6	0.50
2022-11-04	665.76	6.97	1.02	5.01	9.12	26.46	257.5	0.51
2022-11-08	674.93	6.87	1.04	5.46	8.63	25.92	203.7	0.52
2022-11-11	760.88	6.99	1.17	5.48	0.52	25.42	139.0	0.59
2022-11-14	1287.26	6.89	1.98	5.83	0.91	25.77	191.2	1.02
2022-11-18	704.12	7.00	1.08	4.90	7.10	27.82	65.2	0.54
2022-11-20	632.15	7.09	0.97	3.62	10.66	24.85	401.6	0.49
2022-11-23	760.32	7.03	1.17	5.53	2.07	25.27	148.4	0.59
2022-11-28	650.76	7.14	1.00	5.18	1.57	25.10	224.8	0.50
2022-12-22	671.38	6.90	1.03	5.44	9.39	25.44	214.5	0.52
2022-12-27	671.67	6.93	1.03	5.64	2.48	25.41	204.0	0.52
2023-01-03	665.77	6.87	1.02	5.62	1.57	25.57	208.3	0.51
2023-01-09	720.71	6.91	1.11	5.66	0.93	25.34	193.5	0.56
2023-01-16	676.29	6.99	1.04	5.65	1.38	25.00	123.4	0.52
2023-01-23	674.75	6.92	1.04	5.26	1.09	24.89	238.2	0.52
2023-02-13	720.70	6.93	1.11	5.61	5.31	25.08	143.8	0.56
2023-02-24	N/A ¹	6.89	N/A ¹	4.58	4.11	24.67	217.7	N/A ¹
2023-02-27	749.35	6.94	1.15	5.50	6.83	25.61	100.3	0.58
2023-03-07	705.48	7.07	1.09	5.27	3.87	24.99	98.4	0.54
2023-03-14	688.64	6.94	1.06	5.28	4.14	25.47	118.2	0.53
2023-03-24	725.22	6.92	1.12	5.20	12.35	25.68	281.1	0.56
2023-03-28	687.15	6.97	1.06	5.23	5.74	25.22	308.9	0.53
2023-04-04	719.58	7.01	1.11	5.23	6.19	25.71	141.3	0.56

Red Hill Bulk Fuel Storage Facility
Stabilized Groundwater Parameters

RHP01									
DATE	Time	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (oC)	ORP (Mv)	SAL (psu)
2022-06-20	11:51	481.58	7.00	0.74	5.48	0.01	26.15	190.6	0.37
2022-07-06	13:02	452.76	6.85	0.70	5.45	0.24	25.60	92.6	0.34
2022-07-18	12:15	420.71	6.93	0.64	6.49	0.31	25.13	190.4	0.23
2022-08-01	10:51	503.01	6.79	0.77	6.16	0.00	24.97	150.1	0.38
2022-08-17	10:10	425.99	6.67	0.66	6.02	0.14	24.95	246.7	0.32
2022-09-01	11:57	430.76	6.76	0.66	5.89	0.00	25.10	245.0	0.32
2022-09-15	10:06	430.23	6.75	0.66	6.10	0.72	25.75	248.9	0.33
2022-10-07	9:41	548.91	6.72	0.84	6.19	1.50	24.00	133.2	0.42
2022-10-16	9:52	480.01	6.71	0.74	6.15	0.00	24.60	142.8	0.36
2022-10-18	9:51	395.40	6.95	0.61	5.86	0.00	24.45	191.5	0.30
2022-10-21	10:00	410.15	6.91	0.63	5.91	0.00	24.50	186.4	0.31
2022-10-26	9:28	412.92	6.87	0.64	6.18	0.00	24.32	219.0	0.31
2022-10-28	8:30	NR	6.87	0.67	6.12	10.43	24.34	255.5	0.33
2022-11-01	11:26	439.68	7.15	0.68	1.33	0.38	24.53	212.1	0.33
2022-11-03	9:30	412.82	6.86	0.63	6.01	0.00	24.28	232.7	0.31
2022-11-08	10:21	429.71	6.85	0.66	6.01	0.15	24.62	260.9	0.32
2022-11-10	9:17	NR	6.86	0.66	6.09	0.00	24.07	131.3	NR
2022-11-15	9:18	414.70	6.87	0.64	6.26	0.11	24.13	158.1	0.31
2022-11-17	8:45	460.95	6.85	0.71	6.58	0.00	25.06	132.3	0.35
2022-11-19	11:10	NR	6.87	0.67	6.41	0.00	24.42	222.2	0.33
2022-11-22	8:54	446.79	6.77	0.69	6.06	0.00	24.14	331.7	0.33
2022-12-09	10:54	414.89	6.80	0.64	6.59	0.00	24.38	197.3	0.31
2022-12-22	9:26	502.50	6.84	0.77	6.49	0.36	24.00	180.1	0.38
2023-01-12	10:02	417.13	6.82	0.64	6.53	0.00	23.80	171.1	0.32
2023-01-27	10:38	NR	6.84	0.65	6.46	0.00	23.91	126.6	0.32
2023-02-03	10:35	439.97	6.74	0.68	6.24	0.00	27.58	176.2	0.33
2023-02-17	8:38	484.66	6.59	0.75	7.01	0.29	23.71	109.3	0.37
2023-03-03	9:46	433.46	6.80	0.67	6.56	0.63	23.75	87.7	0.33
2023-03-17	9:34	433.58	6.98	0.67	7.41	0.20	24.61	229.7	0.33
2023-04-07	8:00	450.76	6.56	0.69	6.96	0.24	24.03	148.7	0.34

Red Hill Bulk Fuel Storage Facility
Stabilized Groundwater Parameters

RHP02									
DATE	Time	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (oC)	ORP (Mv)	SAL (psu)
2022-06-08	12:37	524.60	6.89	0.81	6.90	0.00	27.50	205.3	0.40
2022-06-20	15:46	526.80	6.73	0.81	6.79	0.00	25.78	210.0	0.40
2022-07-06	10:42	498.27	6.83	0.77	6.88	0.00	25.56	102.9	0.38
2022-07-18	9:50	449.21	6.86	0.67	7.36	0.36	25.20	193.5	0.34
2022-08-04	10:35	489.19	6.88	0.75	7.76	0.23	25.71	294.0	0.37
2022-08-19	10:09	416.70	6.77	0.65	7.50	0.00	25.61	212.3	0.32
2022-09-01	15:30	478.15	6.42	0.73	6.85	0.03	26.10	260.1	0.36
2022-09-15	12:14	477.57	6.58	0.73	7.03	0.97	26.85	271.0	0.36
2022-10-07	12:02	600.01	6.63	0.92	7.14	0.33	25.27	130.1	0.46
2022-10-16	12:33	533.96	6.66	0.82	7.22	0.00	25.07	111.2	0.41
2022-10-18	11:37	439.52	6.88	0.68	6.68	0.00	25.12	201.8	0.33
2022-10-21	12:12	448.21	6.80	0.69	7.10	0.00	25.05	196.2	0.34
2022-10-26	11:47	455.33	6.83	0.70	7.16	0.73	24.76	245.6	0.34
2022-10-28	10:21	NR	6.82	0.74	7.01	0.00	24.94	253.1	0.37
2022-11-01	13:28	487.51	6.78	0.75	7.11	0.00	24.96	253.8	0.37
2022-11-03	11:36	457.30	6.81	0.70	7.16	0.06	24.80	262.3	0.34
2022-11-08	13:18	486.72	6.82	0.74	7.48	0.00	24.90	263.8	0.36
2022-11-10	11:38	NR	6.81	0.73	7.09	2.24	24.45	127.2	NR
2022-11-15	11:25	463.10	6.81	0.71	7.31	0.00	24.47	159.7	0.35
2022-11-17	10:25	509.56	6.84	0.78	7.60	0.00	24.55	142.9	0.35
2022-11-19	12:57	NR	6.82	0.75	7.57	0.00	24.81	238.4	0.37
2022-11-22	10:42	495.20	6.76	0.76	7.30	0.00	24.57	362.9	0.38
2022-12-09	13:29	462.61	6.72	0.71	7.38	0.00	24.63	207.2	0.35
2022-12-22	11:04	558.61	6.76	0.86	7.71	0.44	24.48	194.3	0.43
2023-01-12	11:54	466.77	6.75	0.72	7.40	0.08	24.40	183.9	0.35
2023-01-27	12:23	NR	6.82	0.73	7.36	0.00	24.17	94.8	0.36
2023-02-03	10:17	461.97	6.76	0.71	7.32	0.00	24.29	24.7	0.35
2023-02-17	10:34	540.51	6.78	0.83	7.74	0.36	23.75	119.0	0.41
2023-03-03	11:22	486.01	6.72	0.75	7.62	0.80	24.35	60.1	0.37
2023-03-17	12:35	476.88	6.88	0.74	7.28	0.93	27.16	235.6	0.36
2023-04-07	13:22	121.58	6.86	0.78	7.50	0.58	24.60	276.4	0.39

**Red Hill Bulk Fuel Storage Facility
Stabilized Groundwater Parameters**

RHP03									
DATE	Time	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (oC)	ORP (Mv)	SAL (psu)
2022-08-11	11:16	763.18	7.48	1.17	2.50	1.15	25.03	163.9	0.59
2022-09-25	12:25	794.76	7.35	1.22	2.39	8.71	25.20	145.3	0.61
2022-09-08	11:16	777.54	7.31	1.20	2.88	1.69	25.61	159.9	0.60
2022-09-21	12:43	744.64	7.17	1.18	2.50	0.57	25.87	152.9	0.57
2022-10-14	12:03	798.24	7.06	1.23	3.25	0.68	25.26	110.1	0.62
2022-10-17	12:36	782.12	7.10	1.20	2.81	0.00	25.20	82.7	0.60
2022-10-20	11:23	796.12	7.34	1.22	2.97	0.00	24.90	164.2	0.62
2022-10-25	12:29	654.00	7.35	1.01	3.10	0.00	25.00	219.3	0.50
2022-10-27	10:49	667.21	7.34	1.02	3.20	0.00	24.91	211.3	0.51
2022-11-02	11:32	661.31	7.36	1.04	3.33	0.00	25.25	241.3	0.52
2022-11-04	13:35	690.94	7.36	1.05	3.51	1.46	24.71	64.6	0.52
2022-11-09	15:19	803.26	6.85	1.24	3.40	2.03	24.83	82.6	0.62
2022-11-11	14:02	700.23	7.24	1.08	2.95	0.34	24.79	45.9	0.54
2022-11-16	14:36	871.15	7.16	1.34	3.41	0.56	24.80	175.3	0.68
2022-11-18	12:16	880.92	6.91	1.35	3.38	0.00	24.47	88.5	0.69
2022-11-20	11:45	951.34	7.22	1.46	3.09	0.00	24.41	310.9	0.74
2022-11-23	11:46	644.20	7.29	1.02	3.21	0.47	26.17	98.8	0.54
2022-12-09	10:49	758.33	7.27	1.17	3.21	0.48	25.91	50.3	0.59
2022-12-22	9:35	719.31	7.32	1.11	3.98	0.15	23.99	109.6	0.56
2023-01-13	9:31	686.78	7.32	1.06	4.14	0.00	23.67	212.7	0.53
2023-01-27	10:35	NR	7.31	0.99	3.73	1.68	24.06	73.3	NR
2023-02-03	13:58	806.28	7.30	1.24	3.42	0.70	24.25	-23.1	0.63
2023-02-17	12:27	NR	7.23	1.08	4.73	0.93	24.01	65.5	0.54
2023-03-03	14:03	721.09	7.24	1.11	4.28	0.84	24.15	60.5	0.56
2023-03-17	11:59	860.71	7.29	1.32	4.67	2.72	24.97	245.3	0.67
2023-04-07	14:14	7.44E-07	7.39	1.14	4.57	2.75	24.46	98.9	0.58

**Red Hill Bulk Fuel Storage Facility
Stabilized Groundwater Parameters**

RHP04A									
DATE	Time	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (oC)	ORP (Mv)	SAL (psu)
2022-08-12	10:16	656.96	7.47	1.02	7.48	0.61	27.14	77.1	0.51
2022-09-25	15:46	564.13	7.48	0.87	5.65	8.45	26.87	188.1	0.43
2022-09-08	9:08	590.13	7.58	0.91	4.99	0.00	26.39	200.1	0.45
2022-09-21	10:16	554.99	7.29	0.85	5.90	0.78	26.25	144.4	0.42
2022-10-14	9:40	678.33	7.32	1.04	9.12	0.74	25.89	146.8	0.52
2022-10-17	10:21	698.23	7.33	1.07	7.80	0.00	25.85	117.5	0.55
2022-10-20	9:20	727.21	7.66	1.12	7.31	0.00	25.50	164.2	0.56
2022-10-25	9:37	600.35	7.66	0.93	5.40	0.00	25.50	211.5	0.46
2022-10-27	8:55	580.21	7.66	0.90	4.65	0.00	25.48	202.5	0.45
2022-11-02	9:28	608.18	7.59	0.89	4.39	0.00	25.68	160.8	0.45
2022-11-04	10:39	605.00	7.60	0.93	4.12	8.03	25.90	224.3	0.46
2022-11-09	12:30	608.12	7.57	0.93	3.88	0.30	26.00	179.2	0.47
2022-11-11	11:46	573.66	7.58	0.88	3.90	0.00	25.48	-18.0	0.44
2022-11-16	9:10	594.67	7.60	0.52	3.66	0.09	25.20	91.1	0.46
2022-11-18	11:50	572.58	7.60	0.85	3.78	1.53	25.26	18.5	0.44
11/21/522	11:44	667.39	7.51	1.03	3.27	3.15	25.42	-16.9	0.51
2022-11-23	9:12	597.40	7.57	0.92	3.78	0.97	25.15	73.2	0.46
2022-12-09	11:36	609.83	7.58	0.94	3.30	0.00	26.07	41.6	0.47
2022-12-23	9:13	649.80	7.66	1.00	3.06	0.39	24.88	95.7	0.50
2023-01-13	12:59	632.66	7.76	0.97	5.70	8.08	25.56	162.2	0.48
2023-01-27	13:42	738.18	7.71	1.14	4.03	1.20	25.01	10.8	0.57
2023-02-03	12:48	638.08	7.55	0.98	3.09	9.76	28.53	8.2	0.49
2023-02-17	11:38	625.59	7.62	0.96	3.67	14.46	25.06	31.5	0.48
2023-03-03	14:32	0.63	7.68	0.97	3.12	13.95	25.22	-167.0	0.48
2023-03-17	11:06	547.01	7.72	0.92	3.14	72.59	26.77	134.1	0.46
2023-04-07	13:27	6.74E-07	7.71	1.04	3.67	50.07	25.64	-47.8	0.52

Red Hill Bulk Fuel Storage Facility
Stabilized Groundwater Parameters

RHP04B									
DATE	Time	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2022-11-09	10:22	572.49	7.75	0.88	0.57	1.83	25.29	-36.2	0.44
2022-11-11	9:47	613.55	7.82	0.94	0.57	3.19	25.80	-219.2	0.47
2022-11-16	12:06	585.39	7.82	0.90	1.29	9.56	27.20	-230.1	0.44
2022-11-18	9:54	540.63	7.82	0.82	1.31	6.69	26.17	-311.5	0.41
2022-11-21	10:15	614.65	7.75	0.94	0.66	6.35	25.41	-337.6	0.47
2022-11-23	11:56	548.94	7.84	0.84	1.37	4.90	25.70	-227.5	0.42
2022-12-09	9:49	579.35	7.71	0.89	0.99	0.98	25.34	-236.0	0.44
2022-12-23	11:14	515.50	7.64	0.79	0.90	4.29	25.30	-71.5	0.39
2023-01-13	10:16	582.68	7.63	0.90	1.52	7.7	25.24	-66.2	0.45
2023-01-27	3:51	NR	7.79	0.83	1.08	0.68	25.08	-280.2	NR
2023-02-03	12:51	529.41	7.72	0.81	0.69	2.85	24.95	-299.8	0.40
2023-02-17	9:45	548.45	7.70	0.84	2.18	5.00	25.24	-210.1	0.42
2023-03-03	11:28	0.55	7.80	0.85	2.28	3.72	25.61	-359.2	0.42
2023-03-17	13:44	509.55	7.78	0.78	1.87	8.64	26.37	-131.1	0.39
2023-04-07	11:57	5.69E-07	7.74	0.88	3.15	1.23	26.51	-221.2	0.44

Red Hill Bulk Fuel Storage Facility
Stabilized Groundwater Parameters

RHP04C									
DATE	Time	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (oC)	ORP (Mv)	SAL (psu)
2023-03-13	14:18	1.09E-06	7.37	1.68	4.55	127.45	25.66	111.6	0.86
2023-03-29	11:11	1.15E-06	7.49	1.76	1.51	0.00	25.83	-73.6	0.90
2023-04-07	9:38	9.86E-07	7.45	1.52	22.51	0.18	25.88	-23.9	0.77

Red Hill Bulk Fuel Storage Facility
Stabilized Groundwater Parameters

RHP05									
DATE	Time	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2022-12-13	12:12	741.00	7.45	1.14	5.26	174.00	26.99	174.0	0.57
2022-12-21	9:50	684.04	7.53	1.05	6.24	3.29	25.42	114.2	0.53
2023-01-13	12:03	605.94	7.53	0.93	5.74	4.03	25.62	236.2	0.46
2023-01-27	10:33	733.01	7.47	1.13	6.19	0.35	25.08	54.2	0.57
2023-02-03	11:02	712.42	7.38	1.10	6.14	1.65	25.50	58.5	0.53
2023-02-17	10:00	NR	7.24	0.98	6.47	1.45	25.42	39.1	0.49
2023-03-03	18:13	6.57E-07	7.35	1.01	6.33	6.35	25.31	89.5	0.51
2023-03-17	9:35	757.28	7.30	1.16	6.84	23.24	25.71	245.4	0.59
2023-04-07	10:37	5.65E-07	7.41	0.87	7.02	6.55	26.54	98.0	0.43

Red Hill Bulk Fuel Storage Facility
Stabilized Groundwater Parameters

RHP07									
DATE	Time	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2023-03-06	11:52	4.32E-07	8.37	0.67	6.67	8.60	24.02	-24.5	0.33
2023-03-20	10:53	412.97	7.52	0.63	7.85	1.03	23.97	204.5	0.31
2023-04-05	10:10	4.02E-07	7.56	0.62	7.52	5.67	23.61	113.5	0.30

Red Hill Bulk Fuel Storage Facility
Stabilized Groundwater Parameters

NMW24									
DATE	Time	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (°C)	ORP (Mv)	SAL (psu)
2022-11-22	N/A	710.00	7.63	1.09	6.29	9.00	26.31	238.6	0.55
2022-12-09	13:40	760.75	7.33	1.17	4.59	7.65	27.06	87.1	0.59
2022-12-13	9:25	690.65	7.64	1.06	5.97	0.96	25.42	126.8	0.53
2022-12-22	11:54	712.38	7.32	1.10	5.40	0.00	26.92	120.4	0.55
2022-12-29	8:55	766.28	7.48	1.18	5.22	3.92	23.89	121.8	0.59
2023-01-05	15:03	790.28	6.70	1.22	5.44	0.51	25.71	145.5	0.61
2023-01-11	11:35	660.78	4.35	1.02	5.30	8.20	27.52	123.2	0.51
2023-01-18	14:33	694.91	7.35	1.07	5.78	0.55	25.86	191.5	0.54
2023-01-26	10:02	619.16	7.19	0.95	6.01	1.75	23.96	96.5	0.47
2023-02-01	12:21	721.62	6.86	1.11	6.15	0.14	26.12	-13.4	0.56
2023-02-08	11:32	542.74	6.81	0.83	6.52	1.02	25.13	25.0	0.41
2023-02-15	9:53	620.03	7.33	0.95	6.36	0.78	24.36	114.3	0.48
2023-02-22	9:46	545.45	6.98	0.84	6.56	0.37	24.58	109.7	0.42
2023-03-01	14:53	5.48E-07	7.38	0.84	5.60	0.86	25.70	2.2	0.42
2023-03-06	11:52	6.42E-07	8.37	0.67	6.67	8.60	24.02	-24.5	0.33
2023-03-13	8:00	6.52E-07	7.04	1.00	6.03	0.57	25.33	201.7	0.50
2023-03-20	14:51	555.81	7.12	0.86	5.39	0.54	26.28	241.7	0.43
2023-03-29	9:07	6.11E-07	7.18	0.94	5.64	0.00	26.17	60.1	0.47
2023-04-05	12:48	5.15E-07	7.16	0.79	5.31	0.00	26.10	112.4	0.39
2023-04-11	13:04	5.76E-07	7.15	0.89	5.46	1.79	26.55	204.0	0.44

Red Hill Bulk Fuel Storage Facility
Notice of Interest 20210507-0852 (6 May 2021 Event)
Notice of Interest 20211120-2330 (20 Nov 2021 Event)
Sump Headspace, Fuel Product Gauging, and Parameters

Adit 3 Sump Headspace and Product Gauging								
DATE	TDS (ppm)	pH	Sp. Cond. (mS/cm)	D.O. (mg/L)	Turbidity (NTU)	Temp (oC)	ORP (MV)	SAL (psu)
2022-12-15	NC	NC	NC	NC	NC	NC	NC	NC
2022-12-20	NC	NC	NC	NC	NC	NC	NC	NC
2022-12-27	NC	NC	NC	NC	NC	NC	NC	NC
2022-01-03	572.00	7.59	0.88	6.66	1.06	25.57	169.8	0.4
2022-01-11	889.48	8.18	1.77	6.19	10.03	25.56	154.2	0.7
2022-01-20	763.84	7.45	1.17	6.03	0.61	25.05	137.1	0.6
2022-01-24	771.53	6.99	1.19	5.50	1.81	25.25	129.6	0.6
2022-02-03	421.71	7.59	0.65	7.99	NC	18.52	92.1	0.3
2022-02-10	442.88	7.76	0.68	6.00	96.20	NC	70.30	0.30
2022-02-17	432.70	7.46	0.67	7.47	0.13	25.30	230.50	0.30
2022-02-22	418.56	7.71	0.64	NC	6.14	25.58	196.9	0.3
2022-03-02	430.83	7.68	0.65	9.73	0.83	14.89	43.6	0.3
2022-03-08	451.05	7.11	0.69	7.45	1.75	26.31	159.7	0.34
2022-03-17	478.49	7.09	0.74	7.08	0.35	25.00	221.4	0.36
2022-03-24	305.72	7.42	0.47	7.52	0.02	26.11	148.3	0.23
2022-03-29	383.54	7.26	0.59	8.63	9.22	25.35	158.3	0.29
4/7/2022	403.22	7.22	0.62	7.72	1.17	25.35	194.7	0.30
4/28/2022	398.88	7.21	0.61	7.61	0.46	25.32	33.4	0.30
2022-05-05	411.30	7.24	0.63	8.47	0.15	25.31	138.6	0.31
2022-05-12	404.95	7.53	0.62	8.09	0.00	24.99	140.3	0.31
5/19/2022	399.89	7.46	0.62	7.98	4.08	25.50	48.4	0.30
2022-05-26	405.42	7.24	0.62	8.05	20.51	25.45	116.0	0.31
2022-06-02	404.06	7.40	0.62	7.97	9.89	25.50	124.4	0.30
6/9/2022	397.40	7.24	0.61	8.36	0.68	25.23	215.1	0.30
2022-06-16	397.11	7.46	0.61	7.94	0.63	25.49	135.3	0.30
2022-06-23	389.81	7.22	0.60	8.07	3.83	25.71	144.2	0.29
2022-07-01	397.85	7.20	0.61	7.87	2.78	25.53	71.8	0.30
2022-07-07	325.04	6.90	0.50	7.90	1.49	25.62	85.0	0.24
2022-07-13	387.67	7.25	0.60	8.81	0.26	25.68	179.1	0.29
2022-08-04	404.60	7.79	0.62	8.07	0.00	25.41	205.6	0.31
2022-08-11	379.61	7.83	0.58	8.05	0.00	25.97	216.7	0.29
2022-08-18	373.27	7.17	0.57	7.94	6.36	26.20	218.1	0.28
2022-08-25	397.02	7.90	0.61	8.02	0.00	25.99	248.3	0.30
2022-09-01	401.38	7.38	0.62	7.94	0.00	25.88	101.6	0.30
2022-09-08	392.78	7.92	0.60	8.00	0.99	25.56	182.2	0.30
2022-09-15	409.13	7.93	0.63	7.94	0.29	25.65	136.0	0.31
2022-09-22	400.48	7.18	0.62	8.01	3.58	25.72	102.0	0.30
2022-09-29	391.64	7.28	0.60	7.85	3.05	25.57	102.4	0.30
2022-10-05	437.31	7.36	0.67	7.75	0.21	26.06	100.2	0.33
2022-10-18	414.82	7.80	0.64	8.62	2.93	24.80	163.1	0.31
2022-10-20	410.17	7.71	0.63	8.07	0.10	25.11	181.5	0.31
2022-10-25	436.49	7.27	0.67	8.22	17.99	25.26	175.3	0.33
2022-10-27	441.80	7.51	0.68	7.93	2.88	25.19	128.5	0.33
2022-11-01	411.57	7.48	0.63	8.40	0.27	25.19	203.0	0.31
2022-11-03	371.45	7.50	0.57	7.80	0.71	27.09	41.5	0.28
2022-11-08	394.78	7.36	0.61	7.69	19.81	25.63	136.9	0.30
2022-11-10	441.74	7.72	0.68	7.90	1.31	24.97	50.1	0.33
2022-11-15	401.63	7.53	0.62	7.68	0.01	26.12	89.3	0.30
2022-11-17	402.03	7.28	0.62	8.26	3.23	26.41	144.5	0.30
2022-11-20	388.12	7.82	0.60	8.14	0.81	24.55	25.8	0.29
2022-11-22	370.91	7.39	0.57	7.74	1.61	26.68	110.3	0.28
2022-12-01	385.31	7.27	0.59	7.99	0.44	26.26	60.9	0.29
2022-12-21	461.98	7.61	0.71	8.08	10.95	24.03	118.9	0.35
2022-12-29	464.73	7.03	0.71	8.17	3.44	24.12	131.0	0.35
2023-01-05	467.16	6.70	0.72	8.69	0.65	24.11	131.5	0.35
2023-01-11	427.81	7.69	0.66	8.15	0.17	23.59	94.9	0.32
2023-01-18	428.31	7.68	0.66	8.16	3.20	24.08	198.5	0.32
2023-01-26	397.70	7.37	0.61	8.28	5.89	24.00	78.7	0.30
2023-02-15	450.55	7.44	0.69	7.98	0.00	24.29	74.6	0.34
2023-02-22	459.87	7.33	0.71	8.12	7.03	24.09	112.1	0.35
2023-03-01	471.69	7.51	0.73	8.14	4.25	23.47	191.1	0.36
2023-03-08	470.68	7.32	0.72	8.46	0.14	24.21	156.7	0.36
2023-03-16	435.14	7.48	0.67	8.20	0.65	24.34	54.5	0.33
2023-03-22	429.46	7.49	0.66	8.14	1.35	23.98	227.3	0.32
2023-03-29	436.18	7.36	0.67	7.98	0.46	24.17	192.0	0.33
2023-04-05	496.88	7.39	0.76	8.01	1.11	24.18	99.7	0.38

Appendix B.4 – Summary of Groundwater Analytical Results through April 17, 2023

Data Legend for Appendix B.4.1–B.4.4

Non-bold text indicates non-detected value

Bold text indicates detected value, but below the Environmental Action Level (EAL).

Bold and orange shaded text indicates exceeds the Department of Health Tier 1 EAL.

Green text indicates results have completed third-party validation.

Specific EPA method revision used for analyses vary by lab and compound. The lab report associated with a sample specifies
— = not analyzed or not applicable

µg/L = microgram per liter (same as parts per billion)

B = Analyte detected in associated method blank

CAS = Chemical Abstracts Service

¹ - Low-flow method – sample with bladder pump, after purging and from approximately mid-screen.

² - Bailer method – sample without purging and from the top of the water column.

³ - Silica Gel Cleanup is an EPA approved methodology (SW-846 Method 3630C) that separates fuel related compounds from non-fuel related or naturally-occurring compounds from the sample. When these non-fuel related compounds are reported in

⁴ - After the application of Silica Gel Cleanup, TPH-o levels are below the screening criteria (EAL). TPH-o detects heavy oils

a = Reanalyzed due to inconsistency with historic trends and suspected container switch. Reanalysis results were

b = Reanalyzed due to inconsistency with historic trend and suspected container switch. Reanalysis results reported.

c = Extraction and analysis of another bottle collected from the same location during the same sampling event had no detections of PAHs. Therefore, detections of PAHs in this sample were not confirmed.

d = The concentration of diethylphthalate reported in this sample is similar to concentrations detected in laboratory method blanks analyzed during the same general time period.

e = Sample extract was reanalyzed due to suspected carryover contamination from the LCSD. In-hold reanalysis indicates that

f = The lab confirmed detected concentrations of 4-chlorophenyl phenyl ether at RHMW02 or 2,6-dinitrotoluene at OWDFMW05A as a false positive and results are not detected. However, if results have already been validated and data

D = Limit of Quantitation (LOQ) increased due to sample matrix.

J = estimated value

J- = estimated value, low bias

J+ = estimated value, high bias

J1 = estimated value due to discrepancies in meeting analyte-specific quality control criteria.

JM = estimated value, manually integrated

JMQ = estimated value, manually integrated with one or more quality control outside acceptance criteria

JQ = estimated value with one or more quality control outside of acceptance criteria

mg/L = milligram per liter

M = manually integrated

no. = number

Q = one or more quality control outside of acceptance criteria

QC = quality control

U = nondetect value

UM = nondetect value, manually integrated

UMQ = nondetect value, manually integrated with one or more quality control outside acceptance criteria

UQ = nondetect value with one or more quality control outside of acceptance criteria

S = A documented laboratory error occurred during extraction, which contributed to low surrogate recovery. The sample was re-

O = Diluted out

-O = The oil range hydrocarbons (SGT-C24-C40) result is not available as the analyte was diluted out due to the high concentra

T = Analyte detected in the associated trip blank

TB = trip blank. Do not count for total sample number. Only done for quality control purposes.

TPH-g = total petroleum hydrocarbons-gasoline range organics

TPH-d = total petroleum hydrocarbons-diesel range organics

TPH-o = total petroleum hydrocarbons-residual range

R = Exclusion of data recommended. The sample result was affected by serious deficiencies in the ability to analyze the

H = Sample was prepped or analyzed beyond the specified holding time

Appendix B.4.1 – GW Analytical Table_TPH and Fuel-Related Compounds

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW01R

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8
Method							8260	8015	8015	8015	8015	-	8011	SW8015
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Minimum							ND	150	ND	ND	ND	510	ND	380
Maximum							38	330	120	280	ND	2900	ND	700
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK1	11/8/2022	Primary	V	<80 U	150	88	<240 U	<240 U	1200 J	<0.0057 U	460
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK1	11/10/2022	Primary	V	<80 U	150	97 J	<300 U	<300 U	1000 J	<0.0057 U	700
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK2	11/15/2022	Primary	V	<80 UJ	200	<100 U	<300 U	<300 U	1100 J	<0.0057 UJ	600
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/17/2022	Primary	V	38 J	170	120	230 J	<310 U	1100 J	<0.0057 U	480
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK3	11/20/2022	Primary	V	<80 UJ	330	84 J	<310 U	<310 U	1200 J	<0.0057 U	550
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK3	12/20/2022	Primary	V	<80 UJ	160	<100 U	<310 U	<310 U	1100 J	<0.0057 U	380
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK4	12/28/2022	Primary	V	<80 U	160	<100 U	<310 U	<310 U	540 J	<0.0058 U	550
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK1	1/4/2023	Primary	V	<80 U	170	<93 U	<280 U	<280 U	2900	<0.0058 U	640
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK2	1/10/2023	Primary	V	<80 U	180	<100 U	<310 U	<310 U	780 J	<0.0059 U	610
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK3	1/17/2023	Primary	V	<80 U	230 J+	<100 U	<300 U	<300 U	710 J	<0.0059 U	600
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	V	<80 U	180 J-	<100 UJ	<310 UJ	<310 UJ	790 J	<0.0058 UJ	480

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW02

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8
Method							8260	8015	8015	8015	8015	-	8011	SW8015
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Minimum							ND	1100	260	ND	ND	3400	ND	3000
Maximum							45	2700	1600	250	ND	11000	ND	6200
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	V	<80 U	2700	820	210 J	<310 U	9000	<0.0058 U	4400 58
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	V	<80 U	1400	420	250 J	<310 U	8800	<0.0057 U	3700 58
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	V	<80 UJ	1300	390	<310 U	<310 U	6400	<0.0057 U	3500 J
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	V	45 J	1900	490	210 J	<300 U	6000	<0.0058 U	4500 58
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	V	<80 U	1600	260 J	240 J	<310 U	5200	<0.0057 U	3900 58
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	V	37 J	2000	1600	230 J	<300 U	10000	<0.0057 U	4800 58
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	V	<80 U	2200 J	370 J	200 J	<300 U	3400	<0.0058 UJ	5200 58
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	V	<80 UJ	1300	410	200 J	<300 U	5000	<0.0057 UJ	3900 58
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	V	<80 U	1100	310	230 J	<310 U	4100	<0.0058 U	3700 58
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	V	<80 U	1800	470	220 J	<310 U	11000	<0.0057 U	6200 58
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	V	<80 U	1700	480	190 J	<300 U	3800	<0.0058 U	3900 58
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	V	<80 U	2100	380	210 J	<310 U	6300	<0.0058 U	3600 58
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	V	<80 U	2000 J-	430 J-	240 J	<310 UJ	7200	<0.0058 UJ	3000 58

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW03

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8
Method							8260	8015	8015	8015	8015	-	8011	SW8015
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Minimum							ND	100	ND	180	ND	1300	ND	ND
Maximum							ND	500	100	680	210	13000	0.11	1.6
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK1	11/8/2022	Primary	V	<80 U	220	86 J	450	<310 U	3200	<0.0058 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK1	11/10/2022	Primary	V	<80 U	160	67 J	260 J	<310 U	1900	<0.0058 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK2	11/15/2022	Primary	V	<80 UJ	280	<100 U	190 J	<310 U	6500	<0.0057 U	1.6 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	V	<80 U	500	100 J	680	210 J	4900	<0.0058 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK3	11/20/2022	Primary	V	<80 U	140	<100 U	210 J	<310 U	2100	<0.0057 UJ	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK4	11/29/2022	Primary	V	<80 U	250	<100 U	450	<310 U	8100	<0.0057 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	V	<80 U	160	<100 U	280 J	<310 U	1600	0.11	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK3	12/20/2022	Primary	V	<80 UJ	120	<100 U	200 J	<310 U	1300 J	<0.0056 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK4	12/28/2022	Primary	V	<80 U	100 J	<100 U	190 J	<310 U	1300 J	<0.0058 U	1 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK1	1/4/2023	Primary	V	<80 U	110	<100 U	180 J	<310 U	13000	<0.0057 U	0.92 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK2	1/10/2023	Primary	V	<80 U	110	<100 U	240 J	<310 U	1400	<0.0059 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK3	1/17/2023	Primary	V	<80 U	160 J+	<100 U	290 J	<310 U	1500	<0.0058 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK4	1/24/2023	Primary	V	<80 U	160 J-	<100 UJ	260 J	<300 UJ	2800	<0.0057 UJ	1.3 J

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW04

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane							
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8							
Method							8260	8015	8015	8015	8015	-	8011	SW8015							
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-							
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L							
Minimum							ND	ND	ND	ND	ND	ND	ND	ND							
Maximum							ND	110	120	200	ND	2200	ND	ND							
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result				
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2211WK1	11/7/2022	Field Duplicate	V	<80	U	110		120	<250	U	<250	U	-		-			
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2211WK1	11/7/2022	Primary	V	<80	U	69	J	72	<240	U	<240	U	450	J	<0.0057	U	<1.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK1	11/9/2022	Field Duplicate	V	<80	U	<100	U	-	<310	U	-		-		-			
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK1	11/9/2022	Primary	V	<80	U	<110	U	-	<330	U	-		380	J	<0.0057	U	<1.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK2	11/16/2022	Field Duplicate	V	<80	UJ	<100	U	-	<300	U	-		-		-			
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK2	11/16/2022	Primary	V	<80	U	<100	U	-	<310	U	-		480	J	<0.0057	U	<1.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK1	12/7/2022	Field Duplicate	V	<80	U	<100	UJ	<94	U	200	J	<280	U	-		-		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK1	12/7/2022	Primary	V	<80	U	<98	U	-	<290	U	-		520	J	<0.0057	U	<1.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK3	12/23/2022	Field Duplicate	V	<80	U	<100	U	-	<310	U	-		-		-			
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK3	12/23/2022	Primary	V	<80	U	<100	U	-	<310	U	-		<1000	U	<0.0058	U	<1.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK4	12/30/2022	Field Duplicate	V	<80	U	<100	U	-	<310	U	-		-		-			
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK4	12/30/2022	Primary	V	<80	U	<100	U	-	<310	U	-		<1000	U	<0.0057	U	<1.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK1	1/6/2023	Field Duplicate	V	<80	U	<100	U	-	<310	U	-		-		-			
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK1	1/6/2023	Primary	V	<80	U	<100	U	-	<310	U	-		2200		<0.0057	U	<1.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK2	1/13/2023	Field Duplicate	V	<80	U	80	J	<100	U	<300	U	<300	U	-		-		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK2	1/13/2023	Primary	V	<80	U	<100	U	-	<300	U	-		470	J	<0.0058	U	<1.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK3	1/20/2023	Field Duplicate	V	<80	U	<100	UJ	-	<310	UJ	-		-		-			
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<80	U	<100	UJ	-	<310	U	-		490	J	<0.0057	U	<1.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK2	2/16/2023	Field Duplicate	V	<80	U	<100	UJ	-	<310	U	-		-		-			
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK2	2/16/2023	Primary	V	<80	U	<100	U	-	<300	U	-		370	J	<0.0057	U	<1.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK3	2/23/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-		-		-			
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK3	2/23/2023	Primary	V	<80	U	<100	U	-	<310	U	-		370	J	<0.0057	U	<1.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK4	3/2/2023	Field Duplicate	V	<80	U	<110	U	-	<320	U	-		-		-			
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK4	3/2/2023	Primary	V	<80	U	<110	U	-	<320	U	-		630	J	<0.0058	U	<1.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW05

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8
Method							8260	8015	8015	8015	8015	-	8011	SW8015
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Minimum							ND	ND	ND	ND	ND	ND	ND	ND
Maximum							ND	230	84	360	ND	5700	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK1	11/8/2022	Primary	V	<80 U	140	84 J	300 J	<310 U	390 J	<0.0058 U	<1.3 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK1	11/10/2022	Primary	V	<80 U	<100 U	-	<310 U	-	480 J	<0.0057 U	<1.3 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK2	11/15/2022	Primary	V	<80 UJ	230	<100 U	180 J	<300 U	5700	<0.0057 U	<1.3 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK2	11/17/2022	Primary	V	<80 UJ	140	<100 U	360	<300 U	1900	<0.0057 U	<1.3 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK3	11/20/2022	Primary	V	<80 U	<100 U	-	<300 U	-	<1000 U	<0.0058 U	<1.3 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK4	11/29/2022	Primary	V	<80 U	<100 U	-	<310 U	-	490 J	<0.0058 U	<1.3 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK3	12/20/2022	Primary	V	<80 UJ	<100 U	-	<300 U	-	1200 J	<0.0058 UJ	<1.3 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	V	<80 U	<100 U	-	<300 U	-	<1000 U	<0.0058 U	<1.3 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK1	1/4/2023	Primary	V	<80 U	<100 U	-	<300 U	-	2300	<0.0057 U	<1.3 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	V	<80 U	<100 U	-	<300 U	-	700 J	<0.0059 U	<1.3 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK3	1/17/2023	Primary	V	<80 U	<100 U	-	<300 U	-	460 J	<0.0057 U	<1.3 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK4	1/24/2023	Primary	V	<80 U	<100 U	-	<310 U	-	<800 U	<0.0057 UJ	<1.3 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW06

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane							
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8							
Method							8260	8015	8015	8015	8015	-	8011	SW8015							
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-							
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L							
Minimum							ND	ND	ND	ND	ND	ND	ND	ND							
Maximum							ND	110	ND	280	ND	3300	ND	ND							
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result				
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2211WK1	11/7/2022	Primary	V	<80	U	<80	U	-	<240	U	-	660	J	<0.0057	U	<1.3	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK1	11/9/2022	Primary	V	<80	U	<100	U	-	<300	U	-	490	J	<0.0057	U	<1.3	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK2	11/16/2022	Primary	V	<80	UJ	69	J	<100	<300	U	<300	U	410	J	<0.0057	U	<1.3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK1	12/6/2022	Primary	V	<80	U	110		<100	220	J	<310	U	3000		<0.0057	U	<1.3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK3	12/19/2022	Primary	V	<80	U	86	J	<100	<310	U	<310	U	800	J	<0.0058	UJ	<1.3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK4	12/30/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0058	U	<1.3	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK1	1/6/2023	Primary	V	<80	U	<100	U	-	<300	U	-	3300		<0.0057	U	<1.3	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK2	1/13/2023	Primary	V	<80	U	<100	U	-	<310	U	-	1200		<0.0057	U	<1.3	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK3	1/20/2023	Primary	V	<80	U	110		<100	280	J	<300	U	410	J	<0.0058	U	<1.3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK2	2/16/2023	Primary	V	<80	U	<100	U	-	<310	U	-	570	J	<0.0058	U	<1.3	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK3	2/23/2023	Primary	V	<80	U	<100	U	-	<310	U	-	1300		<0.0057	U	<1.3	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK4	3/2/2023	Primary	V	<80	U	88	J	<100	<310	U	<310	U	960	J	<0.0057	UJ	<1.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW08

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane								
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8								
Method							8260	8015	8015	8015	8015	-	8011	SW8015								
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-								
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
Minimum							ND	ND	ND	ND	ND	ND	ND	ND								
Maximum							ND	93	53	ND	ND	3600	0.0029	16								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2211WK1	11/7/2022	Primary	V	<80	U	69	J	53	J	<240	U	<240	U	740	J	<0.0057	U	<1.3	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK1	11/9/2022	Primary	V	<80	U	<100	U	-		<300	U	-		1000	J	<0.0057	U	16	58
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK2	11/16/2022	Primary	V	<80	U	<96	U	-		<290	U	-		890	J	0.0029	J	<1.3	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK3	12/19/2022	Primary	V	<80	U	93	J	<100	U	<310	U	<310	U	500	J	<0.0057	U	<1.3	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK4	12/30/2022	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0058	UJ	<1.3	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK1	1/6/2023	Primary	V	<80	U	<100	U	-		<310	U	-		3600		<0.0058	U	3	J
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK2	1/13/2023	Primary	V	<80	U	<100	U	-		<310	U	-		720	J	<0.0058	U	<1.3	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK3	1/20/2023	Primary	V	<80	U	<100	UJ	-		<300	UJ	-		930	J	<0.0058	U	<1.3	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK2	2/16/2023	Primary	V	<80	U	<100	UJ	-		<310	U	-		2000		<0.0058	U	2.4	J
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK3	2/23/2023	Primary	V	<80	U	<100	U	-		<310	U	-		1700		<0.0057	U	1.8	J
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK4	3/2/2023	Primary	V	<80	U	<100	U	-		<310	U	-		1400		<0.0057	U	1.2	J

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane								
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8								
Method							8260	8015	8015	8015	8015	-	8011	SW8015								
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-								
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
Minimum							ND	ND	ND	ND	ND	ND	ND	ND								
Maximum							ND	110	ND	230	ND	1600	ND	ND								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK1	11/9/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0057	U	<1.3	U		
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK2	11/16/2022	Primary	V	-	R	100	J	<100	U	<310	U	<310	U	650	J	<0.0057	U	<1.3	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK3	11/19/2022	Primary	V	<80	UJ	<100	U	-	<310	U	-	<1000	U	<0.0057	UJ	<1.3	U		
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK4	11/28/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0057	U	<1.3	U		
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK3	12/23/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0058	U	<1.3	U		
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK4	12/27/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0057	U	<1.3	U		
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK1	1/3/2023	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0058	U	<1.3	U		
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK2	1/9/2023	Primary	V	<80	U	<100	U	-	<310	U	-	1600		<0.0058	U	<1.3	U		
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK3	1/16/2023	Primary	V	<80	U	110		<100	U	230		<800	U	<0.0057	U	<1.3	U		
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK4	1/23/2023	Primary	V	<80	U	110		<100	U	<310	U	<310	U	<800	U	<0.0058	U	<1.3	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK2	2/13/2023	Primary	V	<80	U	<96	U	-	<290	U	-	990	J	<0.0058	U	<1.3	U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

							Analyte	TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane
							CAS No.	PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8
							Method	8260	8015	8015	8015	8015	-	8011	SW8015
							DOH Tier 1 EAL	300	400	—	500	—	-	0.04	-
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	-	ND	-	2300	ND	ND
							Maximum	ND	ND	-	ND	-	2300	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW10	Bailer	Eurofins Seattle	RHMW10-WGN01B-2212WK1	12/9/2022	Primary	V	<80 U	<96 U	-	<290 U	-	2300	<0.0057 U	<1.3 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW12A

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane						
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8						
Method							8260	8015	8015	8015	8015	-	8011	SW8015						
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-						
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L						
Minimum							ND	ND	ND	ND	ND	ND	ND	ND						
Maximum							ND	73	ND	ND	ND	1900	ND	ND						
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result			
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK1	11/10/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0058	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK2	11/15/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0057	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK2	11/17/2022	Primary	V	<80	UJ	<100	U	-	<300	U	-	<1000	U	<0.0058	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK3	11/19/2022	Primary	V	<80	UJ	<100	U	-	<300	U	-	<1000	U	<0.0058	UJ	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK4	11/29/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0057	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK2	12/16/2022	Primary	V	<80	U	73	J	<100	U	<300	U	<1000	U	<0.0058	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK3	12/20/2022	Primary	V	<80	UJ	<100	UJ	-	<310	UJ	-	<1000	U	<0.0057	UJ	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK4	12/28/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0057	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK1	1/4/2023	Primary	V	<80	U	<100	U	-	<310	U	-	1900		<0.0057	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK2	1/10/2023	Primary	V	<80	U	<100	U	-	<310	U	-	<800	U	<0.0058	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK3	1/17/2023	Primary	V	<80	U	<100	U	-	<300	U	-	<800	U	<0.0057	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK4	1/25/2023	Primary	V	<80	U	<100	UJ	-	<300	UJ	-	<800	U	<0.0057	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK2	2/14/2023	Primary	V	<80	U	<100	U	-	<300	U	-	<800	U	<0.0058	UJ	<1.3	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW11-05

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs)		TPH-o (Eurofins Labs) with Silica Gel Cleanup		Total Organic Carbon		1,2-Dibromoethane		Methane	
CAS No.							PHCC6C10		PHCC10C24		PHCC10C24SGC		PHCC24C40		PHCC24C40SGC		-		106-93-4		74-82-8	
Method							8260		8015		8015		8015		8015		-		8011		SW8015	
DOH Tier 1 EAL							300		400		-		500		-		-		0.04		-	
Units							µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Minimum							ND		ND		ND		ND		ND		ND		ND		ND	
Maximum							ND		97		ND		ND		ND		1600		ND		2	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK1	11/9/2022	Primary	V	<80	U	<100	U	-		<310	U	-		400	J	<0.0058	U	<1.3	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK2	11/16/2022	Primary	V	-	R	84	J	<100	U	<310	U	<310	U	410	J	<0.0058	U	1.5	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN02G-2211WK3	11/23/2022	Primary	V	<80	U	97	J	<100	U	<310	U	<310	U	410	J	<0.0057	U	0.92	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK4	11/29/2022	Primary	V	<80	U	<100	U	-		<310	U	-		1200	J	<0.0057	U	2	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK3	12/20/2022	Primary	V	<80	UJ	72	J	<100	U	<300	U	<300	U	<1000	U	<0.0058	UJ	0.87	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK4	12/28/2022	Primary	V	<80	UJ	78	J	<100	U	<300	U	<300	U	<1000	U	<0.0058	U	1.7	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK1	1/4/2023	Primary	V	<80	U	<100	UJ	-		<300	UJ	-		1600		<0.0057	U	1.2	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK2	1/10/2023	Primary	V	<80	U	<100	U	-		<300	U	-		380	J	<0.0058	U	<1.3	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK3	1/17/2023	Primary	V	<80	U	<100	U	-		<300	U	-		<800	U	<0.0058	U	0.93	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK4	1/24/2023	Primary	V	<80	U	<100	UJ	-		<310	UJ	-		<800	U	<0.0057	UJ	0.96	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK3	2/21/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0058	U	0.73	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK4	2/27/2023	Primary	V	<80	U	<100	U	-		<300	U	-		360	J	<0.0057	U	0.89	J

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW13-05

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane						
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8						
Method							8260	8015	8015	8015	8015	-	8011	SW8015						
DOH Tier 1 EAL							300	400	-	500	-	-	0.04	-						
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L						
Minimum							ND	ND	-	ND	-	ND	ND	ND						
Maximum							ND	ND	-	ND	-	3800	ND	4.6						
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result			
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN02G-2211WK2	11/16/2022	Primary	V	-	R	<100	U	-	<300	U	-	<1000	U	<0.0059	U	<1.3	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2211WK3	11/19/2022	Primary	V	<80	UJ	<100	U	-	<300	U	-	<1000	U	<0.0057	UJ	<1.3	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK3	12/21/2022	Primary	V	<80	UJ	<100	UJ	-	<300	UJ	-	<1000	U	<0.0057	UJ	4.6	J
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK4	12/29/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0059	UJ	<1.3	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK1	1/5/2023	Primary	V	<80	U	<100	U	-	<300	U	-	3800	J	<0.0057	U	<1.3	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK2	1/11/2023	Primary	V	<80	U	<100	U	-	<310	U	-	400	J	<0.0058	U	<1.3	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK3	1/18/2023	Primary	V	<80	U	<100	UJ	-	<300	UJ	-	390	J	<0.0058	U	<1.3	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK4	1/25/2023	Primary	V	<80	U	<100	UJ	-	<310	UJ	-	<800	U	<0.0057	UJ	<1.3	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK4	2/28/2023	Primary	V	<80	U	<100	U	-	<310	U	-	360	J	<0.0058	U	<1.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW14-03

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs)		TPH-o (Eurofins Labs) with Silica Gel Cleanup		Total Organic Carbon		1,2-Dibromoethane		Methane	
CAS No.							PHCC6C10		PHCC10C24		PHCC10C24SGC		PHCC24C40		PHCC24C40SGC		-		106-93-4		74-82-8	
Method							8260		8015		8015		8015		8015		-		8011		SW8015	
DOH Tier 1 EAL							300		400		-		500		-		-		0.04		-	
Units							µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Minimum							ND		ND		ND		ND		ND		ND		ND		ND	
Maximum							ND		88		ND		220		ND		2000		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK1	11/9/2022	Primary	V	<80	U	<100	U	-		<300	U	-		400	J	<0.0057	U	<1.3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2211WK2	11/15/2022	Primary	V	<80	U	<100	U	-		<310	U	-		410	J	<0.0058	U	<1.3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK2	11/17/2022	Primary	V	<80	UJ	<100	UJ	<100	U	220	J	<300	U	400	J	<0.0057	U	<1.3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK3	11/23/2022	Primary	V	<80	U	<100	U	-		<300	U	-		940	J	<0.0058	U	<1.3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK3	12/20/2022	Primary	V	<80	UJ	88	J	<100	U	<300	U	<300	U	<1000	U	<0.0056	U	<1.3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK4	12/30/2022	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0059	UJ	<1.3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK1	1/6/2023	Primary	V	<80	U	<97	UJ	-		<290	UJ	-		2000		<0.0057	U	<1.3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK2	1/12/2023	Primary	V	<80	U	88	J	<100	U	<300	U	<300	U	360	J	<0.0057	U	<1.3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK3	1/19/2023	Primary	V	<80	U	<100	UJ	-		<300	UJ	-		<800	U	<0.0058	U	<1.3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK4	1/26/2023	Primary	V	<80	U	<100	U	-		<300	U	-		<800	U	<0.0058	U	<1.3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK2	2/16/2023	Primary	V	<80	U	<100	U	-		<310	U	-		450	J	<0.0058	U	<1.3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK3	2/23/2023	Primary	V	<80	U	<100	U	-		<310	U	-		510	J	<0.0058	U	<1.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW15-05

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs)		TPH-o (Eurofins Labs) with Silica Gel Cleanup		Total Organic Carbon		1,2-Dibromoethane		Methane	
CAS No.							PHCC6C10		PHCC10C24		PHCC10C24SGC		PHCC24C40		PHCC24C40SGC		-		106-93-4		74-82-8	
Method							8260		8015		8015		8015		8015		-		8011		SW8015	
DOH Tier 1 EAL							300		400		-		500		-		-		0.04		-	
Units							µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Minimum							ND		ND		ND		ND		ND		ND		ND		ND	
Maximum							ND		100		ND		ND		ND		1300		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN02G-2211WK1	11/10/2022	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0058	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK2	11/15/2022	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0057	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK3	11/20/2022	Primary	V	<80	UJ	<100	UJ	<100	U	<300	UJ	<310	U	<1000	U	<0.0057	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK3	12/19/2022	Primary	V	<80	U	69	J	<100	U	<310	U	<310	U	<1000	U	<0.0057	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK4	12/27/2022	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0057	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK1	1/3/2023	Primary	V	<80	U	<100	U	-		<300	U	-		<1000	U	<0.0058	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK2	1/9/2023	Primary	V	<80	U	<100	U	-		<310	U	-		1300	J	<0.0058	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK3	1/16/2023	Primary	V	<80	U	100		<100	U	<300	U	<300	U	<800	U	<0.0057	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK4	1/23/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0058	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK2	2/13/2023	Primary	V	<80	U	<100	U	-		<300	U	-		510	J	<0.0058	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK3	2/20/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0057	U	<1.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW16

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs)		TPH-o (Eurofins Labs) with Silica Gel Cleanup		Total Organic Carbon		1,2-Dibromoethane		Methane	
CAS No.							PHCC6C10		PHCC10C24		PHCC10C24SGC		PHCC24C40		PHCC24C40SGC		-		106-93-4		74-82-8	
Method							8260		8015		8015		8015		8015		-		8011		SW8015	
DOH Tier 1 EAL							300		400		-		500		-		-		0.04		-	
Units							µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Minimum							ND		ND		ND		ND		ND		ND		ND		ND	
Maximum							ND		90		ND		ND		ND		2600		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK1	11/10/2022	Primary	V	<80	U	90	J	<100	U	<300	U	<300	U	<1000	U	<0.0058	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK2	11/15/2022	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0057	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK2	11/17/2022	Primary	V	<80	U	<100	U	-		<300	U	-		<1000	U	<0.0058	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK4	11/29/2022	Primary	V	<80	U	<100	U	-		<300	U	-		<1000	U	<0.0057	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK2	12/16/2022	Primary	V	<80	U	<100	U	-		<300	U	-		<1000	U	<0.0058	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK3	12/20/2022	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0057	UJ	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK4	12/28/2022	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0058	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK1	1/4/2023	Primary	V	<80	U	72	J	<100	U	<310	U	<310	U	2600		<0.0059	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK2	1/10/2023	Primary	V	<80	U	<100	U	-		<300	U	-		480	J	<0.0057	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK3	1/17/2023	Primary	V	<80	U	<100	U	-		<300	U	-		<800	U	<0.0057	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK4	1/25/2023	Primary	V	<80	U	<100	U	-		<300	U	-		<800	U	<0.0057	UJ	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK2	2/14/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0058	UJ	<1.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW17

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane								
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8								
Method							8260	8015	8015	8015	8015	-	8011	SW8015								
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-								
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
Minimum							ND	ND	ND	ND	ND	ND	ND	ND								
Maximum							ND	120	ND	300	ND	2300	0.017	0.95								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK1	11/8/2022	Primary	V	<80	U	<110	U	-	<320	U	-	870	J	0.017	<1.3	U			
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN02B-2211WK1	11/10/2022	Primary	V	<80	U	<100	U	-	<310	U	-	540	J	0.013	<1.3	U			
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK2	11/15/2022	Primary	V	<80	U	<100	U	-	<300	U	-	650	J	<0.0057	U	<1.3	U		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK3	11/20/2022	Primary	V	<80	U	<100	U	-	<310	U	-	610	J	<0.0057	UJ	0.95	J		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK4	11/30/2022	Primary	V	<80	U	-	R	<100	U	-	R	<310	U	980	J	<0.0058	U	<1.3	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK1	12/7/2022	Primary	V	<80	U	98	J	<94	U	300	J	<280	U	1100	J	<0.0057	U	0.68	J
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK3	12/21/2022	Primary	V	<80	UJ	<110	UJ	-	<320	UJ	-	<1000	U	<0.0057	UJ	<1.3	U		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK4	12/30/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0058	U	<1.3	U		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK1	1/6/2023	Primary	V	<80	U	<100	U	-	<310	U	-	2300		<0.0057	U	<1.3	U		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK2	1/12/2023	Primary	V	<80	U	<100	U	-	<300	U	-	810	J	<0.0058	U	<1.3	U		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK3	1/19/2023	Primary	V	<80	U	<100	U	-	<310	U	-	650	J	<0.0057	U	<1.3	U		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK4	1/26/2023	Primary	V	<80	U	<100	U	-	<300	U	-	<800	U	<0.0057	U	0.84	J		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK2	2/16/2023	Primary	V	<80	U	120		<110	U	<320	U	<320	U	1600		<0.0058	U	<1.3	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK3	2/23/2023	Primary	V	<80	U	<100	U	-	<310	U	-	740	J	<0.0058	U	<1.3	U		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK4	3/2/2023	Primary	V	<80	U	<100	U	-	<310	U	-	680	J	<0.0057	UJ	<1.3	U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW19

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs)		TPH-o (Eurofins Labs) with Silica Gel Cleanup		Total Organic Carbon		1,2-Dibromoethane		Methane	
CAS No.							PHCC6C10		PHCC10C24		PHCC10C24SGC		PHCC24C40		PHCC24C40SGC		-		106-93-4		74-82-8	
Method							8260		8015		8015		8015		8015		-		8011		SW8015	
DOH Tier 1 EAL							300		400		-		500		-		-		0.04		-	
Units							µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Minimum							ND		ND		ND		ND		ND		ND		ND		ND	
Maximum							ND		97		ND		290		180		680		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK1	11/9/2022	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0057	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK2	11/16/2022	Primary	V	-	R	95	J	<100	U	<310	U	<310	U	<1000	U	<0.0057	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2211WK4	11/28/2022	Primary	V	<80	U	<100	UJ	<100	U	<300	U	<300	U	<1000	U	<0.0057	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK3	12/23/2022	Primary	V	<80	U	<100	U	-		<300	U	-		410	J	<0.0058	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK4	12/27/2022	Primary	V	<80	UJ	<100	U	-		<310	U	-		<1000	U	<0.0057	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK1	1/3/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0058	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK2	1/9/2023	Primary	V	<80	U	<100	U	-		<310	U	-		680	J	<0.0059	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK3	1/16/2023	Primary	V	<80	U	97		<100	UJ	290		180	J	410	J	<0.0058	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK4	1/23/2023	Primary	V	<80	U	<100	U	-		<310	U	-		370	J	<0.0058	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK2	2/13/2023	Primary	V	<80	U	<110	U	-		<320	U	-		530	J	<0.0057	UJ	<1.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW2254-01

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs)		TPH-o (Eurofins Labs) with Silica Gel Cleanup		Total Organic Carbon		1,2-Dibromoethane		Methane	
CAS No.							PHCC6C10		PHCC10C24		PHCC10C24SGC		PHCC24C40		PHCC24C40SGC		-		106-93-4		74-82-8	
Method							8260		8015		8015		8015		8015		-		8011		SW8015	
DOH Tier 1 EAL							300		400		-		500		-		-		0.04		-	
Units							µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Minimum							ND		ND		ND		ND		ND		ND		ND		ND	
Maximum							ND		350		180		740		ND		25000		0.014		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK1	11/8/2022	Primary	V	<80	U	<100	U	-	<310	U	-	25000	J	0.014	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK1	11/8/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0057	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	V	<80	U	340	J	<100	U	740	J	1200	J	0.014	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK1	11/10/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0058	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	V	<80	U	350	J	180	J	560	J	390	J	<0.0057	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK2	11/15/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0057	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK2	11/17/2022	Primary	V	<80	U	78	J	<100	U	<310	U	<310	U	<0.0058	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK2	11/17/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0057	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK3	11/20/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0057	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK3	11/20/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0057	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK4	12/1/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0058	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK4	12/1/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0058	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK2	12/15/2022	Primary	V	<80	U	<100	U	-	<310	U	-	2500	J	<0.0057	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK2	12/15/2022	Primary	V	<80	U	<100	U	-	<310	U	-	560	J	<0.0062	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK3	12/21/2022	Primary	V	<80	U	<100	U	-	<310	U	-	580	J	<0.0057	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK3	12/21/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0057	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK4	12/29/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0057	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK4	12/29/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0057	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK2	1/11/2023	Primary	V	<80	U	66	J	<100	U	<300	U	<300	U	<0.0058	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK2	1/11/2023	Primary	V	<80	U	<100	U	-	<300	U	-	380	J	<0.0057	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK3	1/18/2023	Primary	V	<80	U	94	J	<110	U	190	J	920	J	<0.0058	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK3	1/18/2023	Primary	V	<80	U	<100	U	-	<300	U	-	<800	U	<0.0057	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK4	1/26/2023	Primary	V	<80	U	<100	U	-	<310	U	-	1500	J	<0.0057	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK4	1/26/2023	Primary	V	<80	U	<100	U	-	<310	U	-	<800	U	<0.0058	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK2	2/15/2023	Primary	V	<80	U	<100	U	-	<300	U	-	<800	U	<0.0058	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK2	2/15/2023	Primary	V	<80	U	<100	U	-	<300	U	-	<800	U	<0.0059	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK3	2/22/2023	Primary	V	<80	U	<110	U	-	<320	U	-	<800	U	<0.0057	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK3	2/22/2023	Primary	V	<80	U	<100	U	-	<310	U	-	<800	U	<0.0058	U	<1.3	U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK4	3/1/2023	Primary	V	<80	U	<100	U	-	<310	U	-	350	J	<0.0058	U	<1.3	U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK4	3/1/2023	Primary	V	<80	U	<100	U	-	<300	U	-	400	J	<0.0058	U	<1.3	U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW01

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane						
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8						
Method							8260	8015	8015	8015	8015	-	8011	SW8015						
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-						
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L						
Minimum							ND	ND	ND	ND	ND	ND	ND	ND						
Maximum							ND	74	ND	ND	ND	3300	ND	ND						
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result			
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK1	11/9/2022	Primary	V	<80	U	<100	U	-	<310	U	-	750	J	<0.0057	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK2	11/16/2022	Primary	V	-	R	74	J	<100	U	<300	U	<300	U	<0.0058	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN02LF-2211WK3	11/23/2022	Primary	V	<80	U	<100	U	-	<300	U	-	650	J	<0.0057	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK4	11/30/2022	Primary	V	<80	U	<100	U	-	<310	U	-	2000		<0.0057	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK3	12/21/2022	Primary	V	<80	U	<100	UJ	-	<300	UJ	-	<1000	U	<0.0057	UJ	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK4	12/30/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0058	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK1	1/6/2023	Primary	V	<80	U	<100	U	-	<300	U	-	3300		<0.0057	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK2	1/12/2023	Primary	V	<80	U	<100	U	-	<300	UJ	-	780	J	<0.0059	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK3	1/19/2023	Primary	V	<80	U	<100	U	-	<300	U	-	980	J	<0.0057	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK4	1/26/2023	Primary	V	<80	U	<100	U	-	<310	U	-	650	J	<0.0057	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK2	2/16/2023	Primary	V	<80	U	<100	U	-	<300	U	-	850	J	<0.0058	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK3	2/23/2023	Primary	V	<80	U	<100	U	-	<300	U	-	710	J	<0.0057	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK4	3/2/2023	Primary	V	<80	U	<100	U	-	<300	U	-	820	J	<0.0056	UJ	<1.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW04A

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8
Method							8260	8015	8015	8015	8015	-	8011	SW8015
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Minimum							ND	ND	ND	ND	ND	570	ND	ND
Maximum							ND	87	ND	200	ND	5100	0.0052	0.96
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<80 U	<100 U	-	<310 U	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN02LF-2211WK3	11/23/2022	Primary	V	<80 U	<100 U	-	<310 U	-	570 J	<0.0058 UJ	<1.3 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK3	12/19/2022	Field Duplicate	V	<80 U	80 J	<100 U	<310 U	<310 U	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK3	12/19/2022	Primary	V	<80 U	82 J	<100 U	<310 U	<310 U	960 J	<0.0057 U	<1.3 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK4	12/29/2022	Field Duplicate	V	<80 U	87 J	<100 U	200 J	<310 U	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK4	12/29/2022	Primary	V	<80 U	<100 U	-	<300 U	-	1200 J	<0.0057 U	0.96 J
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK1	1/5/2023	Field Duplicate	V	<80 U	<100 U	-	<300 U	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK1	1/5/2023	Primary	V	<80 U	<100 U	-	<300 U	-	5100	<0.0058 U	<1.3 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK2	1/11/2023	Field Duplicate	V	<80 U	<100 UJ	<100 UJ	<300 UJ	<300 UJ	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK2	1/11/2023	Primary	V	<80 U	<100 U	-	<300 U	-	1500	<0.0058 U	<1.3 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK3	1/18/2023	Field Duplicate	V	<80 U	<100 UJ	-	<300 UJ	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK3	1/18/2023	Primary	V	<80 U	<100 UJ	-	<300 UJ	-	1100	<0.0058 U	<1.3 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK4	1/24/2023	Field Duplicate	V	<80 U	<100 U	-	<300 U	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK4	1/24/2023	Primary	V	<80 U	<100 U	-	<300 U	-	880 J	<0.0057 U	<1.3 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK1	3/10/2023	Field Duplicate	V	<80 U	<85 U	-	<260 U	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK1	3/10/2023	Primary	V	<80 U	<83 U	-	<250 U	-	750 J	0.0052 J	<1.3 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW05A

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane						
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8						
Method							8260	8015	8015	8015	8015	-	8011	SW8015						
DOH Tier 1 EAL							300	400	-	500	-	-	0.04	-						
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L						
Minimum							ND	ND	-	ND	-	ND	ND	ND						
Maximum							ND	ND	-	ND	-	4000	ND	ND						
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result			
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN02LF-2211WK3	11/23/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0057	U	<1.3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK3	12/19/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0058	U	<1.3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK4	12/29/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0057	U	<1.3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK1	1/5/2023	Primary	V	<80	U	<100	U	-	<310	U	-	4000		<0.0057	U	<1.3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK2	1/11/2023	Primary	V	<80	U	<100	U	-	<300	U	-	500	J	<0.0058	U	<1.3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK3	1/18/2023	Primary	V	<80	U	<100	UJ	-	<300	UJ	-	550	J	<0.0058	U	<1.3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK4	1/24/2023	Primary	V	<80	U	<100	U	-	<300	U	-	<800	U	<0.0059	U	<1.3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK1	3/10/2023	Primary	V	<80	U	<81	U	-	<240	U	-	360	J	<0.0058	U	<1.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW07A

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs)		TPH-o (Eurofins Labs) with Silica Gel Cleanup		Total Organic Carbon		1,2-Dibromoethane		Methane	
CAS No.							PHCC6C10		PHCC10C24		PHCC10C24SGC		PHCC24C40		PHCC24C40SGC		-		106-93-4		74-82-8	
Method							8260		8015		8015		8015		8015		-		8011		SW8015	
DOH Tier 1 EAL							300		400		-		500		-		-		0.04		-	
Units							µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Minimum							ND		ND		ND		ND		ND		ND		ND		ND	
Maximum							ND		300		ND		ND		ND		2500		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2211WK1	11/8/2022	Primary	V	<80	U	<81	U	-		<240	U	-		<1000	U	<0.0057	U	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN02LF-2211WK3	11/23/2022	Primary	V	<80	U	<100	U	-		<300	U	-		<1000	U	<0.0056	U	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK3	12/22/2022	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0058	U	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK4	12/27/2022	Primary	V	<80	U	<100	U	-		<300	U	-		<1000	U	<0.0059	U	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK1	1/3/2023	Primary	V	<80	U	300		<100	U	<310	U	<310	U	<1000	U	<0.0057	U	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK2	1/9/2023	Primary	V	<80	U	<100	U	-		<310	U	-		2500		<0.0059	U	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK3	1/16/2023	Primary	V	<80	U	<100	U	-		<300	U	-		<800	U	<0.0058	U	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK4	1/23/2023	Primary	V	<80	U	<100	U	-		<310	U	-		420	J	<0.0059	U	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK2	2/13/2023	Primary	V	<80	U	<100	U	-		<300	U	-		<800	U	<0.0058	U	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK3	2/24/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0057	U	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK4	2/27/2023	Primary	V	<80	U	<110	U	-		<330	U	-		<800	U	<0.0057	U	<1.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW08A

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane								
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8								
Method							8260	8015	8015	8015	8015	-	8011	SW8015								
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-								
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
Minimum							ND	ND	ND	ND	ND	ND	ND	ND								
Maximum							ND	67	ND	240	ND	2000	ND	ND								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK2	11/18/2022	Field Duplicate	V	<80	UJ	<100	U	-	<310	U	-	-	-	-	-				
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK2	11/18/2022	Primary	V	<80	UJ	<100	U	-	<300	U	-	390	J	<0.0057	UJ	<1.3	U		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2211WK3	11/20/2022	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2211WK3	11/20/2022	Primary	V	<80	U	<100	U	-	<310	U	-	580	J	<0.0058	UJ	<1.3	U		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK3	11/23/2022	Primary	V	<80	U	<100	U	-	<300	U	-	<1000	U	<0.0058	U	<1.3	U		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK3	12/22/2022	Field Duplicate	V	<80	U	67	J	-	240	J	-	-	-	-	-	-			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK3	12/22/2022	Primary	V	<80	U	<100	U	<100	U	200	J	<300	U	<1000	U	<0.0058	U	<1.3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK4	12/27/2022	Field Duplicate	V	<80	U	<100	U	-	<310	U	-	-	-	-	-	-			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK4	12/27/2022	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0058	U	<1.3	UJ		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK1	1/3/2023	Field Duplicate	V	<80	U	<100	U	-	<310	U	-	-	-	-	-	-			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK1	1/3/2023	Primary	V	<80	U	<100	U	-	<310	U	-	<1000	U	<0.0058	U	<1.3	U		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK2	1/9/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK2	1/9/2023	Primary	V	<80	U	<100	U	-	<300	U	-	2000	-	<0.0058	U	<1.3	U		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK3	1/16/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK3	1/16/2023	Primary	V	<80	U	<100	U	-	<300	U	-	<800	U	<0.0057	U	<1.3	U		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<80	U	<100	U	-	<300	U	-	<800	U	<0.0057	U	<1.3	U		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK2	2/13/2023	Field Duplicate	V	<80	U	<100	U	-	<310	U	-	-	-	-	-	-			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK2	2/13/2023	Primary	V	<80	U	<100	U	-	<310	U	-	<800	U	<0.0058	UJ	<1.3	U		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK3	2/24/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK3	2/24/2023	Primary	V	<80	U	<100	U	-	<300	U	-	510	J	<0.0056	U	<1.3	U		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK4	2/27/2023	Field Duplicate	V	<80	U	<110	U	-	<320	U	-	-	-	-	-	-			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK4	2/27/2023	Primary	V	<80	U	<100	U	-	<310	U	-	<800	U	<0.0057	U	<1.3	U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Sump Sampling: Adit 3 Sump

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs)	TPH-o (Eurofins Labs) with Silica Gel Cleanup	Total Organic Carbon	1,2-Dibromoethane	Methane								
CAS No.							PHCC6C10	PHCC10C24	PHCC10C24SGC	PHCC24C40	PHCC24C40SGC	-	106-93-4	74-82-8								
Method							8260	8015	8015	8015	8015	-	8011	SW8015								
DOH Tier 1 EAL							300	400	—	500	—	-	0.04	-								
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
Minimum							ND	ND	88	ND	ND	ND	ND	ND								
Maximum							ND	490	320	350	270	4600	0.0061	3.8								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK1	11/8/2022	Primary	V	<80	U	140		260		<310	U	<310	U	630	J	<0.0057	U	1.8	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK1	11/10/2022	Primary	V	<80	U	91	J	140	J+	<300	U	230	J	<1000	U	0.0061	J	3.8	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK2	11/15/2022	Primary	V	<80	U	190		88	J	<300	U	<300	U	460	J	<0.0058	U	0.94	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK2	11/17/2022	Primary	V	-	R	70	J	130		<310	U	<310	U	<1000	U	<0.0058	U	1.1	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK4	12/1/2022	Primary	V	<80	U	<100	U	-		<300	U	-		<1000	U	<0.0057	U	<1.3	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK3	12/21/2022	Primary	V	<80	UJ	<100	U	-		<310	U	-		<1000	U	<0.0057	UJ	1.3	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK4	12/29/2022	Primary	V	<80	U	<100	U	-		<310	U	-		<1000	U	<0.0058	U	<1.3	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK2	1/11/2023	Primary	V	<80	U	<100	U	-		<310	U	-		650	J	<0.0058	U	0.84	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK3	1/18/2023	Primary	V	<80	U	210		120		350	J	270	J	430	J	<0.0059	U	0.99	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK4	1/26/2023	Primary	V	<80	U	<110	U	-		<330	U	-		400	J	<0.0057	U	0.98	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK2	2/15/2023	Primary	V	<80	U	<100	U	-		<310	U	-		640	J	<0.0058	U	0.76	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK3	2/22/2023	Primary	V	<80	U	<110	U	-		<320	U	-		1500		<0.0057	UJ	<1.3	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK4	3/1/2023	Primary	V	<80	U	490		320		<310	U	<310	U	4600		<0.0058	U	<1.3	U

Notes:
 See Data Legend

Appendix B.4.2 – GW Analytical Table_BTEX_VOCS

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW01R

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform		
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3		
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28		
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK4	11/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK3	12/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK4	12/28/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK1	1/4/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK2	1/10/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK3	1/17/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW01R

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result					
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK1	11/8/2022	Primary	V	0.33	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK1	11/10/2022	Primary	V	0.2	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/15/2022	Primary	V	0.2	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/17/2022	Primary	V	0.6	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK3	11/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK4	11/29/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK3	12/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK4	12/28/2022	Primary	V	0.17	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK1	1/4/2023	Primary	V	0.16	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK2	1/10/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK3	1/17/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW01R

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene										
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result							
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/17/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK3	11/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK4	11/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK3	12/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK4	12/28/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK1	1/4/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK2	1/10/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK3	1/17/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW01R

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.58	0.34	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.091 J	<0.08 U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.11 J	<0.08 U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.22 J	<0.08 U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.53 J	0.068 J		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.1 J	<0.08 U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK4	11/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.098 J	<0.08 U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK3	12/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.059 J	<0.08 U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK4	12/28/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.24 J	<0.08 U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK1	1/4/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK2	1/10/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.082 J	<0.08 U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK3	1/17/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.083 J	<0.08 U		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.58 J	0.34 J		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW02

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		0.071		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	0.037		0.23		ND		0.35		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07	U	0.16	J	<0.15	U	0.35	J	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07	U	0.14	J	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07	U	0.13	J	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07	U	0.16	J	<0.15	U	0.24	J	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07	U	0.16	J	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	V	0.035	J	0.23	J	<0.15	U	0.15	J	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	V	<0.07	U	0.087	J	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	V	0.037	J	0.14	J	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	V	0.03	J	0.11	J	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	V	<0.07	U	0.11	J	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	V	0.03	J	0.071	J	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	V	<0.07	U	0.075	J	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	V	0.037	J	0.13	J	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW02

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result				
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	V	0.17	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	V	0.39	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	V	0.16	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	V	2		<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	V	0.42	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	V	0.14	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW02

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene												
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B										
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW02

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	0.064	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	0.35	2.8	0.22	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	0.35 J	0.16 J	<0.08 U		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.085 J	<0.08 U		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.37 J	<0.08 U		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	0.24 J	0.45 J	0.14 J		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.21 J	0.053 J		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	0.15 J	0.064 J	0.12 J		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.19 J	0.055 J		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.24 J	<0.08 U		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.13 J	<0.08 U		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.22 J	<0.08 U		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.083 J	<0.08 U		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.16 J	0.1 J		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	2.8 J	0.22 J		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW03

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK4	11/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK3	12/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK4	12/28/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK1	1/4/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK2	1/10/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK3	1/17/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK4	1/24/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW03

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene												
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B											
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L												
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
							Maximum	0.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result							
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK1	11/8/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK1	11/10/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK2	11/15/2022	Primary	V	<0.35	UJ	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	V	0.42	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK3	11/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK4	11/29/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK3	12/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK4	12/28/2022	Primary	V	0.49	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK1	1/4/2023	Primary	V	0.15	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK2	1/10/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK3	1/17/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK4	1/24/2023	Primary	V	0.14	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW03

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene												
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B										
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK3	11/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK4	11/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK3	12/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK4	12/28/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK1	1/4/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK2	1/10/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK3	1/17/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK4	1/24/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW03

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	0.076	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.95	0.37	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.29 J	<0.08 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.076 J	<0.08 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.19 J	<0.08 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.95 J	0.37 J		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.4 J	<0.08 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK4	11/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.48 J	<0.08 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.34 J	0.066 J		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK3	12/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.4 J	0.074 J		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK4	12/28/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.2 J	<0.08 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK1	1/4/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.22 J	<0.08 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK2	1/10/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.28 J	<0.08 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK3	1/17/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.3 J	<0.08 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK4	1/24/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.6 J	0.092 J		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW04

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform		
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3		
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28		
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2211WK1	11/7/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2211WK1	11/7/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK1	11/9/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK1	11/9/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK2	11/16/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK2	11/16/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK1	12/7/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK1	12/7/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK3	12/23/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK3	12/23/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK4	12/30/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK4	12/30/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK1	1/6/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK1	1/6/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK2	1/13/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK2	1/13/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK3	1/20/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK2	2/16/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK2	2/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK3	2/23/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK3	2/23/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK4	3/2/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	-	R	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK4	3/2/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	-	R	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U

Notes:
 See Data Legend

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result					
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2211WK1	11/7/2022	Field Duplicate	V	0.16	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2211WK1	11/7/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK1	11/9/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK1	11/9/2022	Primary	V	0.54		<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK2	11/16/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK2	11/16/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK1	12/7/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK1	12/7/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK3	12/23/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK3	12/23/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK4	12/30/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK4	12/30/2022	Primary	V	0.14	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK1	1/6/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK1	1/6/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK2	1/13/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK2	1/13/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK3	1/20/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK2	2/16/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK2	2/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK3	2/23/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK3	2/23/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK4	3/2/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK4	3/2/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW04

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene										
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result							
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2211WK1	11/7/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2211WK1	11/7/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK1	11/9/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK2	11/16/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK2	11/16/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK1	12/7/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK1	12/7/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK3	12/23/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK3	12/23/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK4	12/30/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK4	12/30/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK1	1/6/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK1	1/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK2	1/13/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK2	1/13/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK3	1/20/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK2	2/16/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK2	2/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK3	2/23/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK3	2/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK4	3/2/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK4	3/2/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW04

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead									
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1									
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020								
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-									
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	0.063	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	1.5	0.26									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2211WK1	11/7/2022	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2211WK1	11/7/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	0.52	<0.13	J	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK1	11/9/2022	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK1	11/9/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	0.13	J	0.07	J
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK2	11/16/2022	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK2	11/16/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	0.087	J	<0.08	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK1	12/7/2022	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK1	12/7/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	1.5	<0.23	J	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK3	12/23/2022	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK3	12/23/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.063	J	0.078	J
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK4	12/30/2022	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK4	12/30/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.29	J	0.052	J
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK1	1/6/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK1	1/6/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.16	J	<0.08	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK2	1/13/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK2	1/13/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.078	J	0.048	J
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK3	1/20/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.09	J	0.057	J
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK2	2/16/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK2	2/16/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.25	J	0.04	J
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK3	2/23/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK3	2/23/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.084	J	0.048	J
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK4	3/2/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK4	3/2/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	1.2	<0.26	J	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW05

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK4	11/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK3	12/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK1	1/4/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK3	1/17/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK4	1/24/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW05

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.65	ND	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result				
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK1	11/8/2022	Primary	V	0.2	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK1	11/10/2022	Primary	V	0.55	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK2	11/15/2022	Primary	V	0.17	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	0.1	J	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK2	11/17/2022	Primary	V	0.17	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK3	11/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK4	11/29/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK3	12/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	V	0.65	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK1	1/4/2023	Primary	V	0.21	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK3	1/17/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK4	1/24/2023	Primary	V	0.18	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW05

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene												
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B										
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK2	11/17/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK3	11/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK4	11/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK3	12/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK1	1/4/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK3	1/17/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK4	1/24/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW05

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	0.65	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	6.3	2	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.83	<0.08 U		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.65	<0.08 U		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.88	0.12 J		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	1.2	0.053 J		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	- R	<0.09 U	<0.25 U	<0.35 U	0.73	0.084 J		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK4	11/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	1	0.34 J		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK3	12/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.73	0.47		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	6.3	2		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK1	1/4/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	4.6	0.44		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	2.4	0.73		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK3	1/17/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	3	0.35 J		
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK4	1/24/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	3.4	0.49		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW06

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.068	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2211WK1	11/7/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK1	11/9/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK1	12/6/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.047	J	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK3	12/19/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.047	J	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK4	12/30/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.044	J	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK1	1/6/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.068	J	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK2	1/13/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK3	1/20/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.061	J	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK2	2/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.036	J	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK3	2/23/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.042	J	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK4	3/2/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	-	R	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.043	J	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW06

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene												
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B											
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L												
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
							Maximum	0.83	ND	ND	ND	ND	ND	ND	ND	ND	0.074	ND	ND	ND												
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result							
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2211WK1	11/7/2022	Primary	V	0.83	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK1	11/9/2022	Primary	V	0.38	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK2	11/16/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK1	12/6/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	0.074	J	<0.07	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK3	12/19/2022	Primary	V	<0.35	U	<0.35	U	<0.25	UJ	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK4	12/30/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK1	1/6/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK2	1/13/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK3	1/20/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK2	2/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK3	2/23/2023	Primary	V	0.18	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK4	3/2/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW06

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene												
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B										
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2211WK1	11/7/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK2	11/16/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK1	12/6/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK3	12/19/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK4	12/30/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK1	1/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK2	1/13/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK3	1/20/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK2	2/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK3	2/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK4	3/2/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW06

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead									
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1									
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020								
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-									
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	0.092	ND	ND	ND	ND	ND	0.54	0.067									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2211WK1	11/7/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	0.091	J	0.046	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK1	11/9/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK2	11/16/2022	Primary	V	<0.07	U	<0.15	U	0.092	J	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK1	12/6/2022	Primary	V	<0.07	U	<0.15	U	0.069	J	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.54		<0.08	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK3	12/19/2022	Primary	V	<0.07	U	<0.15	U	0.085	J	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.091	J	<0.08	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK4	12/30/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.18	J	0.067	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK1	1/6/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.11	J	<0.08	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK2	1/13/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.055	J	0.042	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK3	1/20/2023	Primary	V	<0.07	U	<0.15	U	0.081	J	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.15	J	0.059	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK2	2/16/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.044	J	0.047	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK3	2/23/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.13	J	<0.08	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK4	3/2/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.31	J	0.06	J

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW08

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform		
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3		
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28		
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
							Maximum	ND		ND		0.11		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2211WK1	11/7/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK1	11/9/2022	Primary	V	<0.07	U	<0.07	U	0.11	J	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK3	12/19/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK4	12/30/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK1	1/6/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK2	1/13/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK3	1/20/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK2	2/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK3	2/23/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK4	3/2/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	-	R	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW08

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result					
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2211WK1	11/7/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK1	11/9/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK3	12/19/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK4	12/30/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK1	1/6/2023	Primary	V	0.17	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK2	1/13/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK3	1/20/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK2	2/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK3	2/23/2023	Primary	V	0.18	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK4	3/2/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW08

							Analyte		1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene									
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result							
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2211WK1	11/7/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK3	12/19/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK4	12/30/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK1	1/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK2	1/13/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK3	1/20/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK2	2/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK3	2/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK4	3/2/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW08

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	0.082	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	2.6	0.74	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2211WK1	11/7/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.2 J	0.11 J	J	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK1	11/9/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.25 J	0.089 J	J	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK2	11/16/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.082 J	<0.08 U	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK3	12/19/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.11 J	0.087 J	J	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK4	12/30/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.17 J	<0.08 U	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK1	1/6/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.16 J	<0.08 U	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK2	1/13/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.13 J	0.054 J	J	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK3	1/20/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	2.6	0.74		
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK2	2/16/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.11 J	0.041 J	J	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK3	2/23/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.13 J	<0.08 U	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK4	3/2/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.11 J	<0.08 U	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

							Analyte		Benzene	Ethylbenzene	Toluene	Xylenes	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform									
							CAS No.		71-43-2	100-41-4	108-88-3	1330-20-7	108-86-1	74-97-5	75-27-4	75-25-2	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3									
							Method		8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
							DOH Tier 1 EAL		5	30	40	20	-	-	-	80	5	25	-	16	28									
							Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result					
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK1	11/9/2022	Primary	V	<0.07	UJ	<0.07	UJ	<0.15	UJ	<0.35	UJ	<0.15	UJ	<0.15	UJ	<0.35	UJ	<0.07	UJ	<0.15	UJ	<0.15	UJ	<0.25	UJ	<0.07	UJ
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK2	11/16/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK3	11/19/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK4	11/28/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK3	12/23/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK4	12/27/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK1	1/3/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK2	1/9/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK3	1/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK4	1/23/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK2	2/13/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

							Analyte	Chloromethane		2-Chlorotoluene		4-Chlorotoluene		Dibromomethane		1,2-Dichlorobenzene		1,3-Dichlorobenzene		1,4-Dichlorobenzene		Dichlorodifluoromethane		1,1-Dichloroethane		1,2-Dichloroethane		1,1-Dichloroethene		cis-1,2-Dichloroethene		trans-1,2-Dichloroethene			
							CAS No.	74-87-3		95-49-8		106-43-4		74-95-3		95-50-1		541-73-1		106-46-7		75-71-8		75-34-3		107-06-2		75-35-4		156-59-2		156-60-5			
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	190		-		-		-		10		5		5		-		2.8		5		7		70		100			
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L			
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
							Maximum	0.31		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result				
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK1	11/9/2022	Primary	V	0.14	J	<0.35	UJ	<0.25	UJ	<0.15	UJ	<0.15	UJ	<0.15	UJ	<0.15	UJ	<0.35	UJ	<0.07	UJ	<0.15	U	<0.07	UJ	<0.15	UJ	<0.07	UJ			
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK2	11/16/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK3	11/19/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK4	11/28/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK3	12/23/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK4	12/27/2022	Primary	V	0.31	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK1	1/3/2023	Primary	V	0.25	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK2	1/9/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK3	1/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK4	1/23/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK2	2/13/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

							Analyte		1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene									
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND								
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result							
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK1	11/9/2022	Primary	V	<0.15	UJ	<0.07	UJ	<0.15	UJ	<0.15	UJ	<0.15	UJ	<5	U	<0.25	UJ	<3.5	UJ	<0.5	UJ	<0.15	UJ	<0.15	UJ	<0.25	UJ
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK2	11/16/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK3	11/19/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK4	11/28/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK3	12/23/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK4	12/27/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK1	1/3/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK2	1/9/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK3	1/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK4	1/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK2	2/13/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead									
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1									
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020								
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-									
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.32	0.16									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result							
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK1	11/9/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	0.15	J	<0.08	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK2	11/16/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	0.32	J	0.09	J
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK3	11/19/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.13	J	<0.08	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK4	11/28/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.093	J	<0.08	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK3	12/23/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.053	J	<0.08	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK4	12/27/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.048	J	<0.08	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK1	1/3/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.058	J	<0.08	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK2	1/9/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK3	1/16/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.057	J	0.064	J
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK4	1/23/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.18	J	0.042	J
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK2	2/13/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.31	J	0.16	J

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW10

							Analyte	Benzene	Ethylbenzene	Toluene	Xylenes	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform												
							CAS No.	71-43-2	100-41-4	108-88-3	1330-20-7	108-86-1	74-97-5	75-27-4	75-25-2	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B											
							DOH Tier 1 EAL	5	30	40	20	-	-	-	80	5	25	-	16	28												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L												
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
RHMW10	Bailer	Eurofins Seattle	RHMW10-WGN01B-2212WK1	12/9/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW10

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene												
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B										
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW10	Bailer	Eurofins Seattle	RHMW10-WGN01B-2212WK1	12/9/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW10

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene										
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
RHMW10	Bailer	Eurofins Seattle	RHMW10-WGN01B-2212WK1	12/9/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW10

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead									
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1									
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020								
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-									
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18	ND								
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18	ND								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW10	Bailer	Eurofins Seattle	RHMW10-WGN01B-2212WK1	12/9/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.18	J	<0.08	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW12A

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK3	11/19/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW12A

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene												
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B											
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L												
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
							Maximum	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result						
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK2	11/17/2022	Primary	V	0.24	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK3	11/19/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	UJ	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW12A

Analyte							1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene													
CAS No.							78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4													
Method							8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B												
DOH Tier 1 EAL							5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5													
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L													
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result									
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK3	11/19/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW12A

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.24	0.053	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK3	11/19/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.24 J	0.053 J		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.13 J	<0.08 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.053 J	<0.08 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.082 J	<0.08 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW11-05

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK1	11/9/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK2	11/16/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN02G-2211WK3	11/23/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK4	11/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK3	12/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK4	12/28/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK1	1/4/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK2	1/10/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK3	1/17/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK4	1/24/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK3	2/21/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK4	2/27/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW11-05

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene												
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B											
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L												
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
							Maximum	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result							
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK1	11/9/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK2	11/16/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN02G-2211WK3	11/23/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK4	11/29/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK3	12/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	UJ	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK4	12/28/2022	Primary	V	0.31	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK1	1/4/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK2	1/10/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK3	1/17/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK4	1/24/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK3	2/21/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK4	2/27/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW11-05

Analyte							1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene											
CAS No.							78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4											
Method							8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B										
DOH Tier 1 EAL							5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result												
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK2	11/16/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN02G-2211WK3	11/23/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK4	11/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	0.2	J	<0.15	U	<0.15	U	<0.25	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK3	12/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK4	12/28/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK1	1/4/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK2	1/10/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK3	1/17/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK4	1/24/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK3	2/21/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK4	2/27/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW11-05

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.077	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK1	11/9/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK2	11/16/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.077 J	<0.08 U	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN02G-2211WK3	11/23/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK4	11/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK3	12/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK4	12/28/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK1	1/4/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK2	1/10/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK3	1/17/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK4	1/24/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK3	2/21/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK4	2/27/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW13-05

							Analyte		Benzene	Ethylbenzene	Toluene	Xylenes	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform									
							CAS No.	71-43-2	100-41-4	108-88-3	1330-20-7	108-86-1	74-97-5	75-27-4	75-25-2	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
							DOH Tier 1 EAL	5	30	40	20	-	-	-	80	5	25	-	16	28										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result							
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN02G-2211WK2	11/16/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2211WK3	11/19/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK4	12/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK1	1/5/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK2	1/11/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK3	1/18/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK4	1/25/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK4	2/28/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW13-05

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result				
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN02G-2211WK2	11/16/2022	Primary	V	0.25	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2211WK3	11/19/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK4	12/29/2022	Primary	V	0.36	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK1	1/5/2023	Primary	V	0.18	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK2	1/11/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK3	1/18/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK4	1/25/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK4	2/28/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW13-05

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene										
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result							
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN02G-2211WK2	11/16/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2211WK3	11/19/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK3	12/21/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK4	12/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK1	1/5/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK2	1/11/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK3	1/18/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK4	2/28/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW13-05

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.13	0.041	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN02G-2211WK2	11/16/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2211WK3	11/19/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.13 J	0.041 J		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK3	12/21/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK4	12/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK1	1/5/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK2	1/11/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK3	1/18/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.051 J	<0.08 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK4	1/25/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.096 J	<0.08 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK4	2/28/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW14-03

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK1	11/9/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK3	11/23/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK3	12/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK4	12/30/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK1	1/6/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK2	1/12/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK3	1/19/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK4	1/26/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK2	2/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK3	2/23/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW14-03

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result				
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK1	11/9/2022	Primary	V	0.22	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2211WK2	11/15/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK3	11/23/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK3	12/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK4	12/30/2022	Primary	V	0.95		<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK1	1/6/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK2	1/12/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK3	1/19/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK4	1/26/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK2	2/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK3	2/23/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW14-03

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene												
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B											
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L												
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK3	11/23/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK3	12/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK4	12/30/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK1	1/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK2	1/12/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK3	1/19/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK2	2/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK3	2/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW14-03

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	3.5	4.2	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK1	11/9/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.13 J	<0.08 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2211WK2	11/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.082 J	0.063 J		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK2	11/17/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.049 J	0.22 J		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK3	11/23/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.12 J	<0.08 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK3	12/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.1 J	<0.08 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK4	12/30/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.078 J	<0.08 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK1	1/6/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.068 J	<0.08 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK2	1/12/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.072 J	<0.08 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK3	1/19/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	3.5	4.2		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK4	1/26/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.11 J	0.054 J		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK2	2/16/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.073 J	<0.08 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK3	2/23/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW15-05

							Analyte	Benzene	Ethylbenzene	Toluene	Xylenes	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform												
							CAS No.	71-43-2	100-41-4	108-88-3	1330-20-7	108-86-1	74-97-5	75-27-4	75-25-2	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B											
							DOH Tier 1 EAL	5	30	40	20	-	-	-	80	5	25	-	16	28												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L												
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result						
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN02G-2211WK1	11/10/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK3	11/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK3	12/19/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK4	12/27/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK1	1/3/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK2	1/9/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK3	1/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK4	1/23/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK2	2/13/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK3	2/20/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW15-05

							Analyte	Chloromethane		2-Chlorotoluene		4-Chlorotoluene		Dibromomethane		1,2-Dichlorobenzene		1,3-Dichlorobenzene		1,4-Dichlorobenzene		Dichlorodifluoromethane		1,1-Dichloroethane		1,2-Dichloroethane		1,1-Dichloroethene		cis-1,2-Dichloroethene		trans-1,2-Dichloroethene			
							CAS No.	74-87-3		95-49-8		106-43-4		74-95-3		95-50-1		541-73-1		106-46-7		75-71-8		75-34-3		107-06-2		75-35-4		156-59-2		156-60-5			
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	190		-		-		-		10		5		5		-		2.8		5		7		70		100			
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L			
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
							Maximum	0.36		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result				
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN02G-2211WK1	11/10/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK2	11/15/2022	Primary	V	0.36	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK3	12/19/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK4	12/27/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK1	1/3/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK2	1/9/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK3	1/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK4	1/23/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK2	2/13/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK3	2/20/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U			

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW15-05

Analyte							1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene													
CAS No.							78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4													
Method							8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B												
DOH Tier 1 EAL							5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5													
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L													
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result									
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN02G-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK3	11/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK3	12/19/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK4	12/27/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK1	1/3/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK2	1/9/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK3	1/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK4	1/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK2	2/13/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK3	2/20/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW15-05

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.14	0.05	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN02G-2211WK1	11/10/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.073 J	<0.08 U	<0.08 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK2	11/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK3	11/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	0.05 J	0.05 J	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK3	12/19/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.14 J	<0.08 U	<0.08 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK4	12/27/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	0.041 J	0.041 J	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK1	1/3/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK2	1/9/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK3	1/16/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK4	1/23/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.067 J	0.047 J	0.047 J	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK2	2/13/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.04 J	<0.08 U	<0.08 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK3	2/20/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW16

							Analyte		Benzene	Ethylbenzene	Toluene	Xylenes	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform									
							CAS No.	71-43-2		100-41-4	108-88-3	1330-20-7	108-86-1	74-97-5	75-27-4	75-25-2	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3									
							Method	8260B		8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
							DOH Tier 1 EAL	5		30	40	20	-	-	-	80	5	25	-	16	28									
							Units	µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result							
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW16

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result				
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK1	11/10/2022	Primary	V	0.14	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK2	11/15/2022	Primary	V	0.3	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK2	11/17/2022	Primary	V	0.28	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	UJ	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK1	1/4/2023	Primary	V	0.27	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW16

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene												
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B										
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW16

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.11	0.058	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	<0.08 U	0.054 J		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	0.058 J		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.11 J	<0.08 U		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW17

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK4	11/30/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK1	12/7/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK3	12/21/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK4	12/30/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK1	1/6/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK2	1/12/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK3	1/19/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK4	1/26/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK2	2/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK3	2/23/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK4	3/2/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	-	R	<0.35	U	<0.07	U	<0.15	U	<0.25	U	<0.07	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW17

							Analyte	Chloromethane		2-Chlorotoluene		4-Chlorotoluene		Dibromomethane		1,2-Dichlorobenzene		1,3-Dichlorobenzene		1,4-Dichlorobenzene		Dichlorodifluoromethane		1,1-Dichloroethane		1,2-Dichloroethane		1,1-Dichloroethene		cis-1,2-Dichloroethene		trans-1,2-Dichloroethene	
							CAS No.	74-87-3		95-49-8		106-43-4		74-95-3		95-50-1		541-73-1		106-46-7		75-71-8		75-34-3		107-06-2		75-35-4		156-59-2		156-60-5	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	190		-		-		-		10		5		5		-		2.8		5		7		70		100	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	1		ND		ND		ND		ND		ND		ND		ND		0.059		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK1	11/8/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN02B-2211WK1	11/10/2022	Primary	V	0.39	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	0.059	J	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK2	11/15/2022	Primary	V	1	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK3	11/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK4	11/30/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK1	12/7/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK3	12/21/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK4	12/30/2022	Primary	V	0.16	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK1	1/6/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK2	1/12/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK3	1/19/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK4	1/26/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK2	2/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK3	2/23/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK4	3/2/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW17

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene										
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result							
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN02B-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK3	11/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	UJ	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	UJ	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK4	11/30/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	UJ	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK1	12/7/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	UJ	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK3	12/21/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK4	12/30/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK1	1/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK2	1/12/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK3	1/19/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK2	2/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK3	2/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK4	3/2/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW17

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead									
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1									
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020								
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-									
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND								
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.28	0.065									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	0.098	J	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	0.12	J	0.044	J
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	0.23	J	0.046	J
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	-	R	<0.09	U	<0.25	U	<0.35	U	0.11	J	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK4	11/30/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.18	J	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK1	12/7/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.078	J	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK3	12/21/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.04	J	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK4	12/30/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.16	J	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK1	1/6/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK2	1/12/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.28	J	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK3	1/19/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.049	J	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK4	1/26/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.17	J	0.057	J
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK2	2/16/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.088	J	0.065	J
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK3	2/23/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.14	J	0.043	J
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK4	3/2/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.12	J	<0.08	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW19

							Analyte		Benzene	Ethylbenzene	Toluene	Xylenes	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform									
							CAS No.	71-43-2		100-41-4	108-88-3	1330-20-7	108-86-1	74-97-5	75-27-4	75-25-2	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3									
							Method	8260B		8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
							DOH Tier 1 EAL	5		30	40	20	-	-	-	80	5	25	-	16	28									
							Units	µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result							
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK1	11/9/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK2	11/16/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2211WK4	11/28/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK3	12/23/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK4	12/27/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK1	1/3/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK2	1/9/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK3	1/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK4	1/23/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK2	2/13/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW19

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result				
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK1	11/9/2022	Primary	V	0.4	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK2	11/16/2022	Primary	V	0.17	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2211WK4	11/28/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK3	12/23/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK4	12/27/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK1	1/3/2023	Primary	V	0.2	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK2	1/9/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK3	1/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK4	1/23/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK2	2/13/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW19

							Analyte		1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene									
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result							
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK2	11/16/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2211WK4	11/28/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK3	12/23/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK4	12/27/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK1	1/3/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK2	1/9/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK3	1/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK4	1/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK2	2/13/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW19

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.38	0.17	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK1	11/9/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.12 J	0.079 J		
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK2	11/16/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2211WK4	11/28/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.054 J	0.043 J		
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK3	12/23/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.083 J	0.041 J		
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK4	12/27/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK1	1/3/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.38 J	0.17 J		
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK2	1/9/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK3	1/16/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.11 J	<0.08 U		
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK4	1/23/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.067 J	<0.08 U		
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK2	2/13/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		

Notes:
 See Data Legend

							Analyte	Benzene	Ethylbenzene	Toluene	Xylenes	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform										
							CAS No.	71-43-2	100-41-4	108-88-3	1330-20-7	108-86-1	74-97-5	75-27-4	75-25-2	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	5	30	40	20	-	-	-	80	5	25	-	16	28										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.025	ND	ND	ND	0.13										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result							
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.049	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.083	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.071	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK4	12/1/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.12	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK4	12/1/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK2	12/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.067	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK2	12/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK3	12/21/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.088	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK4	12/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.058	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK2	1/11/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.12	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK3	1/18/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.033	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK4	1/26/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.046	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK2	2/15/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.12	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK2	2/15/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK3	2/22/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.025	J	<0.15	U	<0.15	U	<0.25	U	0.13	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK3	2/22/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK4	3/1/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.061	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK4	3/1/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U

Notes:
 See Data Legend

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result							
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK1	11/8/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	V	0.28	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK2	11/15/2022	Primary	V	0.2	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK2	11/17/2022	Primary	V	0.8	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK2	11/17/2022	Primary	V	0.35	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK3	11/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK4	12/1/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK4	12/1/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK2	12/15/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK2	12/15/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK3	12/21/2022	Primary	V	0.15	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK4	12/29/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK4	12/29/2022	Primary	V	0.27	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK2	1/11/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK3	1/18/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK4	1/26/2023	Primary	V	0.25	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK2	2/15/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK2	2/15/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK3	2/22/2023	Primary	V	0.15	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK3	2/22/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK4	3/1/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK4	3/1/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene										
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK2	11/17/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK3	11/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK4	12/1/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK4	12/1/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK2	12/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK2	12/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK3	12/21/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK4	12/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK2	1/11/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK3	1/18/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK2	2/15/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK2	2/15/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK3	2/22/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK3	2/22/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK4	3/1/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK4	3/1/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U	<0.25	U

Notes:
See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW2254-01

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.64	0.15	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.16 J	0.082 J		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.13 J	<0.08 U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.048 J	0.067 J		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.052 J	<0.08 U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.047 J	<0.08 U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK3	11/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	UJ	-	<0.09 U	<0.25 U	<0.35 U	0.39 J	<0.08 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.17 J	<0.08 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK4	12/1/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.057 J	<0.08 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK4	12/1/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.064 J	<0.08 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK2	12/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.23 J	0.043 J	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK2	12/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.084 J	0.13 J	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK3	12/21/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.059 J	<0.08 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK4	12/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.05 J	<0.08 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK2	1/11/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.21 J	0.063 J	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK3	1/18/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.045 J	<0.08 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK4	1/26/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.17 J	<0.08 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.091 J	0.15 J	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK2	2/15/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.64 J	<0.08 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK2	2/15/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK3	2/22/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.36 J	<0.08 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK3	2/22/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK4	3/1/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK4	3/1/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW01

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.23	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.31	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK1	11/9/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	0.24
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK2	11/16/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.27		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.29		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK4	11/30/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.25		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.25		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK4	12/30/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.27		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK1	1/6/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.28		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK2	1/12/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.31	J+	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK3	1/19/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.3		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.24		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK2	2/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.25		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK3	2/23/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.23		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK4	3/2/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	-	R	<0.35	U	<0.07	U	<0.15	U	<0.25	U	0.24		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW01

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result					
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK1	11/9/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK2	11/16/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK4	11/30/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK4	12/30/2022	Primary	V	0.15	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK1	1/6/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK2	1/12/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK3	1/19/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK2	2/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK3	2/23/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK4	3/2/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW01

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene												
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B										
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK2	11/16/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK4	11/30/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK4	12/30/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK1	1/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK2	1/12/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK3	1/19/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK2	2/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK3	2/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK4	3/2/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW01

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.21	0.076	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK1	11/9/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	0.049 J	<0.08 U	0.065 J	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK2	11/16/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK4	11/30/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.048 J	0.076 J	0.076 J	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK4	12/30/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK1	1/6/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK2	1/12/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK3	1/19/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.21 J	0.055 J	0.055 J	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK2	2/16/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK3	2/23/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK4	3/2/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW04A

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2.9	
							Maximum	ND		ND		ND		ND		ND		0.073		ND		0.078		ND		ND		ND		ND		4.3	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.049	J	<0.15	U	<0.15	U	<0.25	U	3.8		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.052	J	<0.15	U	<0.15	U	<0.25	U	3.8		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK3	12/19/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	4.3		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	4		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK4	12/29/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.063	J	<0.15	U	<0.15	U	<0.25	U	4.2		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.054	J	<0.15	U	<0.15	U	<0.25	U	4		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK1	1/5/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.066	J	<0.15	U	<0.15	U	<0.25	U	4.2		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	4		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK2	1/11/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.051	J	<0.15	U	<0.15	U	<0.25	U	3.9		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.052	J	<0.15	U	<0.15	U	<0.25	U	3.8		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK3	1/18/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	0.073	J	<0.35	U	<0.07	U	<0.15	U	<0.25	U	3.1		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.052	J	<0.15	U	<0.15	U	<0.25	U	2.9		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK4	1/24/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.052	J	<0.15	U	<0.15	U	<0.25	U	3.6		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.07	J	<0.15	U	<0.15	U	<0.25	U	3.8		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK1	3/10/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.057	J	<0.15	U	<0.15	U	<0.25	U	3.9		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	0.078	J	<0.15	U	<0.15	U	<0.25	U	4		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW04A

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene												
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B											
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L												
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
							Maximum	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result					
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK3	12/19/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK4	12/29/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK1	1/5/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK1	1/5/2023	Primary	V	0.16	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK2	1/11/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK3	1/18/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK4	1/24/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK1	3/10/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	UJ	<0.15	U	<0.07	UJ
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	UJ	<0.15	U	<0.07	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW04A

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene										
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result					
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK3	12/19/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK4	12/29/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK1	1/5/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK2	1/11/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK3	1/18/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK4	1/24/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK1	3/10/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW04A

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.12	0.095	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	-	-	-	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	0.095 J	-	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK3	12/19/2022	Field Duplicate	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	-	-	-	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK4	12/29/2022	Field Duplicate	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	-	-	-	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK1	1/5/2023	Field Duplicate	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	-	-	-	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK2	1/11/2023	Field Duplicate	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	-	-	-	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK3	1/18/2023	Field Duplicate	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	-	-	-	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.12 J	<0.08 U	<0.08 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK4	1/24/2023	Field Duplicate	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	-	-	-	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK1	3/10/2023	Field Duplicate	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	-	-	-	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	<0.08 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW05A

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW05A

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result					
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK1	1/5/2023	Primary	V	0.16	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK1	3/10/2023	Primary	V	0.16	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	UJ	<0.15	U	<0.07	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW05A

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene			
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4			
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B		
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5			
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<5 U	<0.25 U	<3.5 U	<0.5 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.25 U	<0.25 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<5 U	<0.25 U	<3.5 U	<0.5 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.25 U	<0.25 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<5 U	<0.25 U	<3.5 U	<0.5 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.25 U	<0.25 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<5 U	<0.25 U	<3.5 U	<0.5 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.25 U	<0.25 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<5 U	<0.25 U	<3.5 U	<0.5 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.25 U	<0.25 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<5 U	<0.25 U	<3.5 U	<0.5 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.25 U	<0.25 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<5 U	<0.25 U	<3.5 U	<0.5 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.25 U	<0.25 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW05A

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.17	0.14	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.17 J	<0.08 U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	0.14 J		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.15 J	<0.08 U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.093 J	0.13 J		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW07A

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform			
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3			
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28			
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L			
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result				
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW07A

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene												
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5												
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B											
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100												
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L												
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
							Maximum	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result						
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK4	12/27/2022	Primary	V	0.42	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW07A

							Analyte		1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene									
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result							
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW07A

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.067	0.069	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.058 J	<0.08 U	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.05 J	<0.08 U	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.042 J	0.069 J	J	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.067 J	<0.08 U	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW08A

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform		
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3		
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28		
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.11		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK2	11/18/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	0.1	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK2	11/18/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.085	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2211WK3	11/20/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.078	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.059	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.083	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.11	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK3	12/22/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.085	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.1	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK4	12/27/2022	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.086	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.085	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK1	1/3/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.092	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.086	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK2	1/9/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.097	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.086	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK3	1/16/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.061	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.076	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.086	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.077	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK2	2/13/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.083	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK3	2/24/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.074	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.087	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK4	2/27/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.07	J		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.069	J		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW08A

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result					
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK2	11/18/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK2	11/18/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2211WK3	11/20/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK3	12/22/2022	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK4	12/27/2022	Field Duplicate	V	0.36	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK1	1/3/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK2	1/9/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK3	1/16/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK2	2/13/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK2	2/13/2023	Primary	V	0.14	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK3	2/24/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK4	2/27/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW08A

							Analyte	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene										
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result							
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK2	11/18/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK2	11/18/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2211WK3	11/20/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	UJ	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	UJ	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	UJ	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	UJ	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK3	12/22/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK4	12/27/2022	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK1	1/3/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK2	1/9/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK3	1/16/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK2	2/13/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK3	2/24/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK4	2/27/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW08A

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead									
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1									
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020								
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-									
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	0.68	0.24									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK2	11/18/2022	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK2	11/18/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.015	U	<0.25	U	<0.35	U	0.2	J	<0.08	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2211WK3	11/20/2022	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	-	R	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	-	R	<0.09	U	<0.25	U	<0.35	U	0.68	J	0.24	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.23	J	<0.08	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK3	12/22/2022	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.44	J	0.097	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK4	12/27/2022	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.12	J	0.07	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK1	1/3/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.065	J	0.12	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK2	1/9/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.061	J	<0.08	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK3	1/16/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.14	J	0.053	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.084	J	<0.08	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK2	2/13/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK3	2/24/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.26	J	0.12	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK4	2/27/2023	Field Duplicate	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-	-	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.19	J	0.046	J

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Water Sampling: Sump Adit 3

							Analyte	Benzene		Ethylbenzene		Toluene		Xylenes		Bromobenzene		Bromochloromethane		Bromodichloromethane		Bromoform		Carbon tetrachloride		Chlorobenzene		Chlorodibromomethane		Chloroethane		Chloroform	
							CAS No.	71-43-2		100-41-4		108-88-3		1330-20-7		108-86-1		74-97-5		75-27-4		75-25-2		56-23-5		108-90-7		124-48-1		75-00-3		67-66-3	
							Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
							DOH Tier 1 EAL	5		30		40		20		-		-		-		80		5		25		-		16		28	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		0.048		ND		0.37		ND		ND		ND		ND		ND		ND		ND		ND		0.12	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07	U	0.048	J	<0.15	U	0.37	J	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK4	12/1/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK3	12/21/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.036	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK4	12/29/2022	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.041	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK2	1/11/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.047	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK3	1/18/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.052	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK4	1/26/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.036	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK2	2/15/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.12	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK3	2/22/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.094	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK4	3/1/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.082	J	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Water Sampling: Sump Adit 3

							Analyte	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene										
							CAS No.	74-87-3	95-49-8	106-43-4	74-95-3	95-50-1	541-73-1	106-46-7	75-71-8	75-34-3	107-06-2	75-35-4	156-59-2	156-60-5										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B									
							DOH Tier 1 EAL	190	-	-	-	10	5	5	-	2.8	5	7	70	100										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result					
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK1	11/8/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK1	11/10/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK2	11/15/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK2	11/17/2022	Primary	V	0.18	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK4	12/1/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK3	12/21/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK4	12/29/2022	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK2	1/11/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK3	1/18/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK4	1/26/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK2	2/15/2023	Primary	V	1.3	J+	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK3	2/22/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK4	3/1/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Water Sampling: Sump Adit 3

							Analyte		1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl ethyl ketone	Methyl tert-butyl ether (MTBE)	Methylene chloride	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene									
							CAS No.	78-87-5	142-28-9	594-20-7	563-58-6	10061-01-5	10061-02-6	78-93-3	1634-04-4	75-09-2	100-42-5	630-20-6	79-34-5	127-18-4										
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
							DOH Tier 1 EAL	5	-	-	-	-	-	5600	5	5	10	0.61	0.078	5										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result							
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK2	11/15/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK2	11/17/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK4	12/1/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK3	12/21/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK4	12/29/2022	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK2	1/11/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK3	1/18/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK2	2/15/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK3	2/22/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK4	3/1/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<5	U	<0.25	U	<3.5	U	<0.5	U	<0.15	U	<0.15	U	<0.25	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Water Sampling: Sump Adit 3

							Analyte	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead	
							CAS No.	71-55-6	79-00-5	79-01-6	75-69-4	96-18-4	75-01-4	179601-23-1	95-47-6	7439-92-1	7439-92-1	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	SW6020	SW6020
							DOH Tier 1 EAL	11	5	5	-	0.6	2	-	-	5.6	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	0.31	ND	
							Maximum	ND	ND	ND	ND	ND	ND	0.15	ND	1400	8.9	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK1	11/8/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	10	8.9		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK1	11/10/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	0.15 J	<0.35 U	1400	2		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK2	11/15/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.015 U	<0.25 U	<0.35 U	7.3	0.1	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK2	11/17/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	6.2	0.12	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK4	12/1/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	2.3	1.3		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK3	12/21/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.49	0.22	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK4	12/29/2022	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	140	4.1		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK2	1/11/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.54	<0.08	U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK3	1/18/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	11	0.088	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK4	1/26/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.31	J	0.089	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK2	2/15/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	5.5	0.042	J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK3	2/22/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	25	0.51		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK4	3/1/2023	Primary	V	<0.07 U	<0.15 U	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.75	0.16	J	

Notes:
 See Data Legend

Appendix B.4.3 – GW Analytical Table_SVOCs

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW01R

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene										
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK1	11/8/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK1	11/10/2022	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	-	R	<0.29	U	<0.29	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK2	11/15/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/17/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	-	R	<0.29	U	<0.29	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK3	11/20/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK4	11/29/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK4	12/28/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK1	1/4/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	UJ	<1.2	U	<0.29	U	<0.29	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK2	1/10/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK3	1/17/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW01R

							Analyte	2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane										
							CAS No.	91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	-	0.18	-	0.17	-	-	-	-	-	-	-	-									
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK1	11/8/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	UJ	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK4	11/29/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW01R

							Analyte	bis-(2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK1	11/8/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK1	11/10/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK2	11/15/2022	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 UJ	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/17/2022	Primary	V	<0.086 U	<0.14 UJ	<1.5 U	<0.57 U	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK3	11/20/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK4	11/29/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK3	12/20/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK4	12/28/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK1	1/4/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK2	1/10/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK3	1/17/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 UJ	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW01R

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK1	11/8/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	-	R
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.29	UJ	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	UJ	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK4	11/29/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	-	R	<0.57	U	<3.1	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.29	U	<0.29	UJ	<0.087	U	-	R	<0.14	U	<0.087	U	<0.14	U	<0.97	U	<0.58	U	<3.1	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	UJ	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	UJ	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	UJ
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	UJ	<0.96	U	<0.58	U	<3.1	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW02

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene										
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result					
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	V	<0.28	UJ	<0.14	UJ	<0.085	UJ	<0.085	UJ	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	UJ	<0.28	UJ
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	V	-	R	-	R	-	R	-	R	<0.29	U	<0.29	U	<0.49	U	<0.49	U	-	R	-	R	-	R
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	V	<5.7	U	<2.8	U	<1.7	U	<1.7	U	<5.7	U	<5.7	U	<9.5	U	<9.5	U	<23	U	<5.7	U	<5.7	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	V	<0.28	UJ	<0.14	UJ	<0.085	UJ	<0.085	UJ	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	UJ	<0.28	UJ
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	UJ	<1.2	U	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	V	<0.3	UJ	<0.15	UJ	<0.089	UJ	<0.089	UJ	<0.3	U	<0.3	U	<0.49	U	<0.49	U	<1.2	UJ	<0.3	UJ	<0.3	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW02

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane											
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-	-										
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result					
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	V	<0.14	UJ	<0.14	U	<0.14	U	<0.28	UJ	<1.1	UJ	<0.14	UJ	<0.28	U	<0.14	UJ	<5.7	U	<0.14	UJ	<0.14	UJ
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	V	-	R	<0.15	U	<0.15	U	-	R	-	R	<0.29	U	-	R	-	R	-	R	-	R	-	R
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	V	<2.8	U	<2.8	U	<2.8	U	<5.7	U	<23	UJ	<2.8	U	<5.7	U	<2.8	U	-	R	<2.8	U	<2.8	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14	UJ	<0.14	U	<0.14	U	<0.28	UJ	<1.1	UJ	<0.14	UJ	<0.28	U	<0.14	UJ	-	R	<0.14	UJ	<0.14	UJ
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	V	<0.14	U	<0.14	U	<0.14	UJ	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	V	<0.15	UJ	<0.15	U	<0.15	U	<0.3	UJ	-	R	<0.15	UJ	<0.3	U	<0.15	UJ	<5.9	U	<0.15	UJ	<0.15	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW02

							Analyte	bis(-2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene								
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4								
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C							
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-								
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L							
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND							
							Maximum	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND							
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result			
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	V	<0.085	UJ	<0.14	UJ	<1.5	UJ	<0.57	UJ	<7.6	UJ	<0.28	UJ	<0.28	UJ	<0.14	UJ	<0.28	UJ	<0.28	UJ
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	V	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	V	<1.7	U	<2.8	U	<30	U	<11	U	<150	U	<5.7	U	<5.7	U	<2.8	U	<5.7	U	<5.7	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	V	<0.085	UJ	<0.14	UJ	<1.5	UJ	<0.57	UJ	<7.6	UJ	<0.28	UJ	<0.28	UJ	<0.14	UJ	<0.28	UJ	<0.28	UJ
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	V	<0.086	U	<0.14	UJ	0.75	J	<0.57	UJ	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.29	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	V	<0.085	U	<0.14	U	1.5	J	<0.57	U	<7.5	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.28	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	V	<0.089	UJ	<0.15	UJ	1.1	J	<0.59	UJ	<7.9	UJ	<0.3	UJ	<0.3	UJ	<0.15	UJ	<0.3	UJ	<0.3	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW02

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	V	<0.14	UJ	<0.28	UJ	<0.28	U	<0.085	UJ	<0.28	UJ	<0.14	UJ	<0.085	UJ	<0.14	U	<0.95	U	<0.57	U	-	R
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	V	-	R	-	R	<0.29	U	-	R	-	R	-	R	-	R	<0.15	U	<0.97	U	<0.58	U	-	R
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	V	<2.8	U	<5.7	U	<5.7	U	<1.7	U	<5.7	U	<2.8	U	<1.7	U	<2.8	U	<19	U	<11	U	<61	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14	UJ	<0.28	UJ	<0.28	U	<0.085	UJ	<0.28	UJ	<0.14	UJ	<0.085	UJ	<0.14	U	<0.95	U	<0.57	U	<3	UJ
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	-	R	<0.57	U	<3.1	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	UJ
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.29	U	<0.29	UJ	<0.086	U	-	R	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	UJ	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	UJ	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	UJ
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	V	<0.15	UJ	<0.3	UJ	<0.3	U	<0.089	UJ	<0.3	UJ	<0.15	UJ	<0.089	UJ	<0.15	UJ	<0.99	U	<0.59	U	<3.2	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW03

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK1	11/8/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 UJ	<0.29 U	<0.29 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK1	11/10/2022	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	- R	<0.29 U	<0.29 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK2	11/15/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 UJ	<0.29 U	<0.29 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	- R	<0.29 U	<0.29 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK3	11/20/2022	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 UJ	<0.28 U	<0.28 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK4	11/29/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	V	<0.3 U	<0.15 U	<0.09 U	<0.09 U	<0.3 U	<0.3 U	<0.5 U	<0.5 U	<1.2 U	<0.3 U	<0.3 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK3	12/20/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 UJ	<0.29 U	<0.29 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK4	12/28/2022	Primary	V	<0.29 U	<0.15 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 U	<0.29 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK1	1/4/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK2	1/10/2023	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 UJ	<0.28 U	<0.28 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK3	1/17/2023	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 UJ	<0.28 U	<0.28 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK4	1/24/2023	Primary	V	<0.29 UJ	<0.15 UJ	<0.088 UJ	<0.088 UJ	<0.29 U	<0.29 U	<0.49 U	<0.49 U	<1.2 UJ	<0.29 UJ	<0.29 UJ		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW03

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane											
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-	-										
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK1	11/8/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK4	11/29/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	UJ	<1.2	U	<0.15	U	<0.3	U	<0.15	U	<6	U	<0.15	U	<0.15	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK4	12/28/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	-	R	<0.15	U	<0.15	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.6	U	<0.14	U	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK4	1/24/2023	Primary	V	<0.15	UJ	<0.15	U	<0.15	U	<0.29	UJ	-	R	<0.15	UJ	<0.29	U	<0.15	UJ	<5.9	U	<0.15	UJ	<0.15	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW03

							Analyte	bis(-2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK1	11/8/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK1	11/10/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK2	11/15/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	V	<0.086 U	<0.14 UJ	<1.5 U	<0.57 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK3	11/20/2022	Primary	V	<0.085 U	<0.14 U	<1.5 UJ	<0.57 U	<7.5 U	<0.28 UJ	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK4	11/29/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	V	<0.09 U	<0.15 U	<1.6 UJ	<0.6 U	<8 U	<0.3 U	<0.3 U	<0.15 U	<0.3 U	<0.15 UJ	<0.3 U	<0.15 UJ	<0.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK3	12/20/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK4	12/28/2022	Primary	V	<0.087 U	<0.15 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK1	1/4/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK2	1/10/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK3	1/17/2023	Primary	V	<0.085 U	<0.14 U	0.8 J	<0.56 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK4	1/24/2023	Primary	V	<0.088 UJ	<0.15 UJ	<1.6 UJ	<0.59 UJ	<7.8 UJ	<0.29 UJ	<0.29 UJ	<0.15 UJ	<0.29 UJ	<0.15 UJ	<0.29 UJ	<0.15 UJ	<0.29 UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW03

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine	
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1	
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-	
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK1	11/8/2022	Primary	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.086 U	<0.29 U	<0.14 U	<0.086 U	<0.14 U	<0.95 U	<0.57 U	- R
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK1	11/10/2022	Primary	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.087 U	<0.29 U	<0.14 U	<0.087 U	<0.14 U	<0.97 U	<0.58 U	<3.1 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.086 U	<0.29 U	<0.14 U	<0.086 U	<0.14 U	<0.95 U	<0.57 U	<3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.086 U	<0.29 U	<0.14 U	<0.086 U	<0.14 U	<0.96 U	<0.57 U	<3.1 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14 U	<0.28 U	<0.28 U	<0.28 U	<0.085 U	<0.28 U	<0.14 U	<0.085 U	<0.14 U	<0.94 U	<0.57 U	<3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK4	11/29/2022	Primary	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.086 U	<0.29 U	<0.14 U	<0.086 U	<0.14 U	- R	<0.58 U	<3.1 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	V	<0.15 U	<0.3 U	<0.3 U	<0.3 U	<0.09 U	- R	<0.15 U	<0.09 U	<0.15 U	<1 U	<0.6 U	<3.2 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK3	12/20/2022	Primary	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.086 U	- R	<0.14 U	<0.086 U	<0.14 U	<0.96 U	<0.57 U	<3.1 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK4	12/28/2022	Primary	V	<0.15 U	<0.29 U	<0.29 U	<0.29 U	<0.087 U	<0.29 U	<0.15 U	<0.087 U	<0.15 U	<0.97 U	<0.58 U	<3.1 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK1	1/4/2023	Primary	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.086 U	<0.29 U	<0.14 U	<0.086 U	<0.14 U	<0.95 U	<0.57 U	<3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK2	1/10/2023	Primary	V	<0.14 U	<0.28 U	<0.28 U	<0.28 U	<0.085 U	<0.28 U	<0.14 U	<0.085 U	<0.14 U	<0.95 U	<0.57 U	<3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK3	1/17/2023	Primary	V	<0.14 U	<0.28 U	<0.28 U	<0.28 U	<0.085 U	<0.28 U	<0.14 U	<0.085 U	<0.14 U	<0.94 U	<0.56 U	<3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK4	1/24/2023	Primary	V	<0.15 U	<0.29 U	<0.29 U	<0.29 U	<0.088 U	<0.29 U	<0.15 U	<0.088 U	<0.15 U	<0.98 U	<0.59 U	<3.1 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW04

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene										
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2211WK1	11/7/2022	Field Duplicate	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2211WK1	11/7/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK1	11/9/2022	Field Duplicate	V	<0.29	U	<0.15	U	<0.088	U	<0.088	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK1	11/9/2022	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK2	11/16/2022	Field Duplicate	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK2	11/16/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK1	12/7/2022	Field Duplicate	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK1	12/7/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK3	12/23/2022	Field Duplicate	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK3	12/23/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK4	12/30/2022	Field Duplicate	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK4	12/30/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK1	1/6/2023	Field Duplicate	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK1	1/6/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK2	1/13/2023	Field Duplicate	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK2	1/13/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK3	1/20/2023	Field Duplicate	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK2	2/16/2023	Field Duplicate	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK2	2/16/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK3	2/23/2023	Field Duplicate	V	<0.31	U	<0.15	U	<0.093	U	<0.093	U	<0.31	U	<0.31	U	<0.52	U	<0.52	U	<1.2	U	<0.31	U	<0.31	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK3	2/23/2023	Primary	V	<0.31	U	<0.16	U	<0.093	U	<0.093	U	<0.31	U	<0.31	U	<0.52	U	<0.52	U	<1.2	U	<0.31	U	<0.31	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK4	3/2/2023	Field Duplicate	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK4	3/2/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW04

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane	
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1	
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-	
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2211WK1	11/7/2022	Field Duplicate	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.2 U	<0.14 U	<0.29 U	<0.14 U	<5.8 U	<0.14 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2211WK1	11/7/2022	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.2 U	<0.14 U	<0.29 U	<0.14 U	<5.8 U	<0.14 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK1	11/9/2022	Field Duplicate	V	<0.15 U	<0.15 U	<0.15 U	<0.29 U	<1.2 U	<0.15 U	<0.29 U	<0.15 U	-	R	<0.15 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK1	11/9/2022	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.2 U	<0.14 U	<0.29 U	<0.14 U	-	R	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK2	11/16/2022	Field Duplicate	V	<0.15 U	<0.15 U	<0.15 U	<0.29 U	<1.2 U	<0.15 U	<0.29 U	<0.15 U	<5.8 U	<0.15 U	<0.15 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK2	11/16/2022	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.2 U	<0.14 U	<0.29 U	<0.14 U	<5.8 U	<0.14 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK1	12/7/2022	Field Duplicate	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.1 U	<0.14 U	<0.29 U	<0.14 U	-	R	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK1	12/7/2022	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.1 U	<0.14 U	<0.29 U	<0.14 U	-	R	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK3	12/23/2022	Field Duplicate	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.1 U	<0.14 U	<0.29 U	<0.14 U	-	R	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK3	12/23/2022	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.28 U	<1.1 U	<0.14 U	<0.28 U	<0.14 U	-	R	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK4	12/30/2022	Field Duplicate	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.2 U	<0.14 U	<0.29 U	<0.14 U	<5.8 U	<0.14 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK4	12/30/2022	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.28 U	<1.1 U	<0.14 U	<0.28 U	<0.14 U	<5.7 U	<0.14 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK1	1/6/2023	Field Duplicate	V	<0.14 U	<0.14 U	<0.14 U	<0.28 U	<1.1 U	<0.14 U	<0.28 U	<0.14 U	<5.7 U	<0.14 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK1	1/6/2023	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.28 U	<1.1 U	<0.14 U	<0.28 U	<0.14 U	<5.7 U	<0.14 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK2	1/13/2023	Field Duplicate	V	<0.15 U	<0.15 U	<0.15 U	<0.29 U	<1.2 U	<0.15 U	<0.29 U	<0.15 U	<5.8 U	<0.15 U	<0.15 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK2	1/13/2023	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.1 U	<0.14 U	<0.29 U	<0.14 U	<5.7 U	<0.14 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK3	1/20/2023	Field Duplicate	V	<0.15 U	<0.15 U	<0.15 U	<0.29 U	<1.2 U	<0.15 U	<0.29 U	<0.15 U	<5.8 U	<0.15 U	<0.15 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.1 U	<0.14 U	<0.29 U	<0.14 U	<5.7 U	<0.14 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK2	2/16/2023	Field Duplicate	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.1 U	<0.14 U	<0.29 U	<0.14 U	<5.7 U	<0.14 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK2	2/16/2023	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.1 U	<0.14 U	<0.29 U	<0.14 U	<5.7 U	<0.14 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK3	2/23/2023	Field Duplicate	V	<0.15 U	<0.15 U	<0.15 U	<0.31 U	<1.2 U	<0.15 U	<0.31 U	<0.15 U	-	R	<0.15 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK3	2/23/2023	Primary	V	<0.16 U	<0.16 U	<0.16 U	<0.31 U	<1.2 U	<0.16 U	<0.31 U	<0.16 U	-	R	<0.16 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK4	3/2/2023	Field Duplicate	V	<0.14 U	<0.14 U	<0.14 U	-	R	<1.1 U	<0.14 U	<0.29 U	<0.14 U	<5.7 U	<0.14 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK4	3/2/2023	Primary	V	<0.14 U	<0.14 U	<0.14 U	-	R	<1.1 U	<0.14 U	<0.29 U	<0.14 U	<5.7 U	<0.14 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW04

							Analyte	bis(-2-chloroethyl)Ether		bis(2-chloroisopropyl)Ether		bis(2-ethylhexyl)Phthalate		Butylbenzylphthalate		Di-n-butyl phthalate		Di-n-octyl phthalate		Diethyl phthalate		Dimethyl phthalate		Hexachlorobenzene		Hexachlorobutadiene		Hexachlorocyclopentadiene	
							CAS No.	111-44-4		108-60-1		117-81-7		85-68-7		84-74-2		117-84-0		84-66-2		131-11-3		118-74-1		87-68-3		77-47-4	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	0.014		-		3		-		-		-		210		1100		0.0003		0.2		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		0.93		1.3		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2211WK1	11/7/2022	Field Duplicate	V	<0.087	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2211WK1	11/7/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK1	11/9/2022	Field Duplicate	V	<0.088	U	<0.15	U	<1.6	U	<0.59	U	<7.8	U	<0.29	UJ	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK1	11/9/2022	Primary	V	<0.087	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK2	11/16/2022	Field Duplicate	V	<0.087	U	<0.15	U	0.79	J	1.3	J	<7.8	U	<0.29	UJ	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK2	11/16/2022	Primary	V	<0.086	U	<0.14	U	0.93	J	1.3	J	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK1	12/7/2022	Field Duplicate	V	<0.086	UJ	<0.14	U	<1.5	UJ	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK1	12/7/2022	Primary	V	<0.086	UJ	<0.14	U	<1.5	UJ	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK3	12/23/2022	Field Duplicate	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK3	12/23/2022	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK4	12/30/2022	Field Duplicate	V	<0.086	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK4	12/30/2022	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK1	1/6/2023	Field Duplicate	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.5	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK1	1/6/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK2	1/13/2023	Field Duplicate	V	<0.087	U	<0.15	U	<1.6	U	<0.58	U	<7.8	U	<0.29	U	<0.29	U	<0.15	U	<0.29	U	<0.14	UJ	<0.29	UJ	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK2	1/13/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	UJ	<0.29	UJ	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK3	1/20/2023	Field Duplicate	V	<0.087	U	<0.15	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK2	2/16/2023	Field Duplicate	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK2	2/16/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK3	2/23/2023	Field Duplicate	V	<0.093	U	<0.15	U	<1.6	U	<0.62	U	<8.2	U	<0.31	U	<0.31	U	<0.15	U	<0.31	U	<0.15	U	<0.31	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK3	2/23/2023	Primary	V	<0.093	U	<0.16	U	<1.7	U	<0.62	U	<8.3	U	<0.31	U	<0.31	U	<0.16	U	<0.31	U	<0.16	U	<0.31	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK4	3/2/2023	Field Duplicate	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK4	3/2/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW04

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result											
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2211WK1	11/7/2022	Field Duplicate	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.97	U	<0.58	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2211WK1	11/7/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK1	11/9/2022	Field Duplicate	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.98	U	<0.59	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK1	11/9/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK2	11/16/2022	Field Duplicate	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK2	11/16/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK1	12/7/2022	Field Duplicate	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	UJ	<0.14	U	<0.086	U	<0.14	U	-	R	<0.57	U	<3.1	UJ
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK1	12/7/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	UJ	<0.14	U	<0.086	U	<0.14	U	-	R	<0.57	U	<3.1	UJ
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK3	12/23/2022	Field Duplicate	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK3	12/23/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK4	12/30/2022	Field Duplicate	V	<0.14	U	<0.29	UJ	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	UJ	<0.58	U	-	R
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK4	12/30/2022	Primary	V	<0.14	U	<0.28	UJ	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	UJ	<0.57	U	-	R
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK1	1/6/2023	Field Duplicate	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	-	R
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK1	1/6/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	-	R
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK2	1/13/2023	Field Duplicate	V	<0.14	UJ	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK2	1/13/2023	Primary	V	<0.14	UJ	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK3	1/20/2023	Field Duplicate	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	-	R	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK2	2/16/2023	Field Duplicate	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK2	2/16/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK3	2/23/2023	Field Duplicate	V	<0.15	U	<0.31	U	<0.31	U	<0.093	U	<0.31	U	<0.15	U	<0.093	U	<0.15	U	<1	U	<0.62	U	<3.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK3	2/23/2023	Primary	V	<0.16	U	<0.31	U	<0.31	U	<0.093	U	<0.31	U	<0.16	U	<0.093	U	<0.16	U	<1	U	<0.62	U	<3.3	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK4	3/2/2023	Field Duplicate	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	UJ	<0.086	U	<0.14	U	<0.95	U	<0.57	U	-	R
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK4	3/2/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	UJ	<0.086	U	<0.14	U	<0.96	U	<0.57	U	-	R

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW05

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK1	11/8/2022	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK1	11/10/2022	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	- R	<0.29 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK2	11/15/2022	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 UJ	<0.28 U	<0.28 U	<0.28 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK2	11/17/2022	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	- R	<0.28 U	<0.28 U	<0.28 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK3	11/20/2022	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 U	<0.28 U	<0.28 U	<0.28 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK4	11/29/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 UJ	<0.29 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK3	12/20/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 UJ	<0.29 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 UJ	<0.29 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK1	1/4/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 UJ	<0.29 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 UJ	<0.29 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK3	1/17/2023	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK4	1/24/2023	Primary	V	<0.32 U	<0.16 U	<0.096 U	<0.096 U	<0.32 U	<0.32 U	<0.53 U	<0.53 U	<1.3 UJ	<0.32 U	<0.32 U	<0.32 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW05

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane											
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK1	11/8/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	UJ	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	-	R	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK4	11/29/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK4	1/24/2023	Primary	V	<0.16	U	<0.16	U	<0.16	U	<0.32	U	-	R	<0.16	U	<0.32	U	<0.16	U	<6.4	U	<0.16	U	<0.16	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW05

							Analyte	bis-(2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	2.5	0.41	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK1	11/8/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK1	11/10/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK2	11/15/2022	Primary	V	<0.085 U	<0.14 U	2.5 J	<0.57 U	<7.6 U	<0.28 UJ	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK2	11/17/2022	Primary	V	<0.085 U	<0.14 UJ	<1.5 U	<0.57 U	<7.6 U	<0.28 UJ	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK3	11/20/2022	Primary	V	<0.085 U	<0.14 U	1.2 J	<0.57 U	<7.5 U	<0.28 UJ	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK4	11/29/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK3	12/20/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	V	<0.086 U	<0.14 U	0.97 J	0.41 J	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK1	1/4/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK3	1/17/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK4	1/24/2023	Primary	V	<0.096 U	<0.16 U	<1.7 U	<0.64 U	<8.5 U	<0.32 UJ	<0.32 U	<0.16 U	<0.32 U	<0.16 U	<0.32 U	<0.32 UJ	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW05

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK1	11/8/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.97	U	<0.58	U	-	R
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.28	UJ	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	UJ	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK4	11/29/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	-	R	<0.57	U	<3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.29	U	<0.29	UJ	<0.086	U	-	R	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	UJ	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	UJ	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	UJ
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK4	1/24/2023	Primary	V	<0.16	U	<0.32	U	<0.32	U	<0.096	U	<0.32	U	<0.16	U	<0.096	U	<0.16	UJ	<1.1	U	<0.64	U	<3.4	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW06

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2211WK1	11/7/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK1	11/9/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK2	11/16/2022	Primary	V	<0.29 U	<0.15 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 U	<0.29 U		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK1	12/6/2022	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 UJ	<0.28 U	<0.28 U		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK3	12/19/2022	Primary	V	<0.29 U	– R	– R	– R	<0.29 U	<0.29 U	<0.48 U	<0.48 U	– R	<0.29 U	<0.29 U		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK4	12/30/2022	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 U	<0.29 U		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK1	1/6/2023	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 UJ	<0.28 U	<0.28 U		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK2	1/13/2023	Primary	V	<0.28 U	<0.14 UJ	<0.085 UJ	<0.085 UJ	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 U	<0.28 U	<0.28 U		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK3	1/20/2023	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 UJ	<0.28 U	<0.28 U		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK2	2/16/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK3	2/23/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK4	3/2/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW06

							Analyte	2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane										
							CAS No.	91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	-	0.18	-	0.17	-	-	-	-	-	-	-	-									
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result				
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2211WK1	11/7/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK1	11/9/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK2	11/16/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	UJ	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK1	12/6/2022	Primary	V	<0.14	U	<0.14	U	<0.14	UJ	<0.28	U	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK3	12/19/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK4	12/30/2022	Primary	V	<0.14	U	<0.14	U	<0.14	UJ	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK1	1/6/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK2	1/13/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.6	UJ	<0.14	U	<0.14	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK3	1/20/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK2	2/16/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK3	2/23/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK4	3/2/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW06

							Analyte	bis-(2-chloroethyl)Ether		bis(2-chloroisopropyl)Ether		bis(2-ethylhexyl)Phthalate		Butylbenzylphthalate		Di-n-butyl phthalate		Di-n-octyl phthalate		Diethyl phthalate		Dimethyl phthalate		Hexachlorobenzene		Hexachlorobutadiene		Hexachlorocyclopentadiene	
							CAS No.	111-44-4		108-60-1		117-81-7		85-68-7		84-74-2		117-84-0		84-66-2		131-11-3		118-74-1		87-68-3		77-47-4	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	0.014		-		3		-		-		-		210		1100		0.0003		0.2		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		0.75		1.2		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2211WK1	11/7/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK1	11/9/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK2	11/16/2022	Primary	V	<0.087	U	<0.15	U	0.75	J	1.2	J	<7.7	U	<0.29	UJ	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK1	12/6/2022	Primary	V	<0.085	U	<0.14	U	0.71	J	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	UJ	<0.28	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK3	12/19/2022	Primary	V	<0.087	U	-	R	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	-	R	-	R	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK4	12/30/2022	Primary	V	<0.087	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK1	1/6/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.5	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK2	1/13/2023	Primary	V	<0.084	U	<0.14	U	<1.5	U	<0.56	U	<7.5	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	UJ	<0.28	UJ	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK3	1/20/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK2	2/16/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK3	2/23/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK4	3/2/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW06

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2211WK1	11/7/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK1	11/9/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK2	11/16/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK1	12/6/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	-	R	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK3	12/19/2022	Primary	V	-	R	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	-	R	<0.58	U	<3.1	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK4	12/30/2022	Primary	V	<0.14	U	<0.29	UJ	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.97	UJ	<0.58	U	-	R
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK1	1/6/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	-	R
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK2	1/13/2023	Primary	V	<0.14	UJ	<0.28	U	<0.28	U	<0.084	U	<0.28	UJ	<0.14	U	<0.084	U	<0.14	U	<0.94	U	<0.56	U	<3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK3	1/20/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	-	R	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK2	2/16/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK3	2/23/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	UJ
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK4	3/2/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW08

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene										
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2211WK1	11/7/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK1	11/9/2022	Primary	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	U	<0.29	U	<0.29	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK2	11/16/2022	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK3	12/19/2022	Primary	V	<0.29	U	<0.14	U	-	R	-	R	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK4	12/30/2022	Primary	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK1	1/6/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK2	1/13/2023	Primary	V	<0.29	U	<0.14	UJ	<0.086	UJ	<0.086	UJ	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK3	1/20/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	-	R	-	R	-	R	<0.29	U	<0.29	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK2	2/16/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK3	2/23/2023	Primary	V	<0.31	U	<0.15	U	<0.093	U	<0.093	U	<0.31	U	<0.31	U	<0.52	U	<0.52	U	<1.2	U	<0.31	U	<0.31	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK4	3/2/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW08

							Analyte	2-Chloronaphthalene		2-Chlorophenol		2-Nitrophenol		3,3'-Dichlorobenzidine		4,6-Dinitro-2-methylphenol		4-Bromophenyl phenyl ether		4-Chloro-3-methylphenol		4-Chlorophenyl phenyl ether		4-Nitrophenol		Azobenzene		bis-(2-chloroethoxy)Methane	
							CAS No.	91-58-7		95-57-8		88-75-5		91-94-1		534-52-1		101-55-3		59-50-7		7005-72-3		100-02-7		103-33-3		111-91-1	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	-		0.18		-		0.17		-		-		-		-		-		-		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2211WK1	11/7/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	-	R	<0.15	U	<0.15	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK2	11/16/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK3	12/19/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK4	12/30/2022	Primary	V	<0.15	U	<0.15	U	<0.15	UJ	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.8	UJ	<0.15	U	<0.15	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK1	1/6/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK2	1/13/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK3	1/20/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	-	R	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK2	2/16/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK3	2/23/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.31	U	<1.2	U	<0.15	U	<0.31	U	<0.15	U	-	R	<0.15	U	<0.15	U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK4	3/2/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW08

							Analyte	bis(-2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	0.71	0.59	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2211WK1	11/7/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK1	11/9/2022	Primary	V	<0.087 U	<0.15 U	<1.6 U	<0.58 U	<7.8 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK2	11/16/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	0.59 J	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK3	12/19/2022	Primary	V	<0.087 U	- R	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	- R	- R	- R	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK4	12/30/2022	Primary	V	<0.087 U	<0.15 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK1	1/6/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK2	1/13/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK3	1/20/2023	Primary	V	<0.086 U	<0.14 U	0.71 J	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK2	2/16/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK3	2/23/2023	Primary	V	<0.093 U	<0.15 U	<1.7 U	<0.62 U	<8.3 U	<0.31 U	<0.31 U	<0.15 U	<0.31 U	<0.15 U	<0.31 U	<0.31 U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK4	3/2/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW08

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2211WK1	11/7/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK2	11/16/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK3	12/19/2022	Primary	V	-	R	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.97	U	<0.58	U	<3.1	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK4	12/30/2022	Primary	V	<0.15	U	<0.29	UJ	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	UJ	<0.58	U	-	R
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK1	1/6/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	-	R
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK2	1/13/2023	Primary	V	<0.14	UJ	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK3	1/20/2023	Primary	V	<0.14	U	<0.29	U	<0.29	UJ	<0.086	U	-	R	<0.14	UJ	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK2	2/16/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	UJ	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK3	2/23/2023	Primary	V	<0.15	U	<0.31	U	<0.31	U	<0.093	U	<0.31	U	<0.15	U	<0.093	U	<0.15	U	<1	U	<0.62	U	<3.3	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK4	3/2/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.97	U	<0.58	U	<3.1	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene										
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result				
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK1	11/9/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK2	11/16/2022	Primary	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK3	11/19/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK4	11/28/2022	Primary	V	<0.28	U	<0.14	U	<0.084	U	<0.084	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK3	12/23/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK4	12/27/2022	Primary	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK1	1/3/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK2	1/9/2023	Primary	V	<0.28	UJ	<0.14	UJ	<0.085	UJ	<0.085	UJ	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK3	1/16/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK4	1/23/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK2	2/13/2023	Primary	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	U	<0.29	U	<0.29	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

							Analyte	2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane	
							CAS No.	91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	-	0.18	-	0.17	-	-	-	-	-	-	-	-
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK1	11/9/2022	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.28 U	<1.1 U	<0.14 U	<0.28 U	<0.14 U	- R	<0.14 U	<0.14 U	<0.14 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK2	11/16/2022	Primary	V	<0.15 U	<0.15 U	<0.15 U	<0.29 UJ	<1.2 U	<0.15 U	<0.29 U	<0.15 U	<5.8 U	<0.15 U	<0.15 U	<0.15 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK3	11/19/2022	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.1 UJ	<0.14 U	<0.29 U	<0.14 U	- R	<0.14 U	<0.14 U	<0.14 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK4	11/28/2022	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.28 U	<1.1 UJ	<0.14 U	<0.28 U	<0.14 U	- R	<0.14 U	<0.14 U	<0.14 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK3	12/23/2022	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.1 U	<0.14 U	<0.29 U	<0.14 U	- R	<0.14 UJ	<0.14 U	<0.14 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK4	12/27/2022	Primary	V	<0.15 U	<0.15 U	<0.15 U	<0.29 U	<1.2 U	<0.15 U	<0.29 U	<0.15 U	- R	<0.15 UJ	<0.15 U	<0.15 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK1	1/3/2023	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.29 U	<1.2 U	<0.14 U	<0.29 U	<0.14 U	<5.8 U	<0.14 U	<0.14 U	<0.14 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK2	1/9/2023	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.28 U	<1.1 U	<0.14 U	<0.28 UJ	<0.14 U	<5.7 U	<0.14 U	<0.14 U	<0.14 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK3	1/16/2023	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.28 UJ	<1.1 U	<0.14 U	<0.28 U	<0.14 U	<5.7 U	<0.14 U	<0.14 U	<0.14 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK4	1/23/2023	Primary	V	<0.14 U	<0.14 U	<0.14 U	<0.29 UJ	<1.2 U	<0.14 U	<0.29 U	<0.14 U	<5.8 U	<0.14 U	<0.14 U	<0.14 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK2	2/13/2023	Primary	V	<0.15 U	<0.15 U	<0.15 U	<0.29 U	<1.2 U	<0.15 U	<0.29 U	<0.15 U	<5.8 UJ	<0.15 U	<0.15 U	<0.15 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

							Analyte	bis-(2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK1	11/9/2022	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 UJ	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK2	11/16/2022	Primary	V	<0.087 U	<0.15 U	<1.5 UJ	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK3	11/19/2022	Primary	V	<0.086 U	<0.14 U	<1.5 UJ	<0.57 U	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK4	11/28/2022	Primary	V	<0.084 U	<0.14 U	<1.5 U	<0.56 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK3	12/23/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK4	12/27/2022	Primary	V	<0.087 U	<0.15 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK1	1/3/2023	Primary	V	- R	<0.14 U	<1.5 UJ	<0.58 UJ	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK2	1/9/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 UJ	<0.28 U	<0.14 U	<0.28 U	<0.14 UJ	<0.28 U	<0.28 UJ	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK3	1/16/2023	Primary	V	<0.085 U	<0.14 U	<1.5 UJ	<0.57 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK4	1/23/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK2	2/13/2023	Primary	V	<0.087 U	<0.15 U	<1.6 U	<0.58 U	<7.8 U	<0.29 U	<0.29 UJ	<0.15 U	<0.29 U	<0.15 UJ	<0.29 UJ		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	0.072	ND	0.15	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK1	11/9/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK2	11/16/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK3	11/19/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK4	11/28/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.084	U	<0.28	U	<0.14	U	<0.084	U	<0.14	U	-	R	<0.56	U	<3	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK3	12/23/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK4	12/27/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK1	1/3/2023	Primary	V	<0.14	U	<0.29	UJ	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	0.072	J	<0.96	U	0.15	J	<3.1	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK2	1/9/2023	Primary	V	<0.14	UJ	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK3	1/16/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	UJ	<0.57	U	<3	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK4	1/23/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK2	2/13/2023	Primary	V	<0.15	UJ	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW10

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene										
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
RHMW10	Bailer	Eurofins Seattle	RHMW10-WGN01B-2212WK1	12/9/2022	Primary	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW10

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane											
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result											
RHMW10	Bailer	Eurofins Seattle	RHMW10-WGN01B-2212WK1	12/9/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	UJ	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW10

							Analyte	bis-(2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW10	Bailer	Eurofins Seattle	RHMW10-WGN01B-2212WK1	12/9/2022	Primary	V	<0.087 U	<0.15 U	<1.5 UJ	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 UJ	<0.29 U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW10

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
Minimum							ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND										
Maximum							ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result											
RHMW10	Bailer	Eurofins Seattle	RHMW10-WGN01B-2212WK1	12/9/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	-	R	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW12A

Analyte							1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene											
CAS No.							120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	-	R	<0.29	U	<0.29	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	-	R	<0.28	U	<0.28	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK3	11/19/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.29	U	<0.15	U	<0.088	U	<0.088	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	U	<0.29	U	<0.29	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	UJ	<0.29	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	UJ	<1.2	U	<0.29	U	<0.29	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.3	U	<0.15	U	<0.089	U	<0.089	U	<0.3	U	<0.3	U	<0.5	U	<0.5	U	<1.2	UJ	<0.3	U	<0.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW12A

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane											
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	UJ	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	-	R	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK3	11/19/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	UJ	<0.15	U	<0.29	U	<0.15	U	-	R	<0.15	U	<0.15	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	UJ	<0.14	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	-	R	<0.15	U	<0.3	U	<0.15	U	<6	U	<0.15	U	<0.15	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW12A

							Analyte	bis(-2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene								
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4								
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C							
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-								
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L							
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND							
							Maximum	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND							
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result			
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.087	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	UJ	<0.28	U	<0.14	U	<0.28	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.085	U	<0.14	UJ	<1.5	U	<0.57	U	<7.6	U	<0.28	UJ	<0.28	U	<0.14	U	<0.28	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK3	11/19/2022	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	UJ	<0.28	U	<0.14	U	<0.28	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.088	U	<0.15	U	<1.6	U	<0.59	U	<7.8	U	<0.29	U	<0.29	U	0.1	J	<0.29	U	<0.15	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.086	U	<0.14	U	<1.5	UJ	<0.57	U	<7.6	U	<0.29	U	<0.29	UJ	<0.14	U	<0.29	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.087	U	<0.14	U	<1.5	UJ	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.087	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.089	U	<0.15	U	<1.6	U	<0.6	U	<7.9	U	<0.3	UJ	<0.3	U	<0.15	U	<0.3	U	<0.15	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	UJ	<0.14	U	<0.29	U	<0.14	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW12A

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.28	UJ	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	UJ	<0.14	U	<0.94	U	<0.57	U	<3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK3	11/19/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	-	R	<0.59	U	<3.1	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	UJ	<0.95	UJ	<0.57	U	<3.1	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	UJ	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	UJ	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	UJ
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.089	U	<0.3	U	<0.15	U	<0.089	U	<0.15	UJ	<0.99	U	<0.6	U	<3.2	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.14	UJ	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW11-05

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK1	11/9/2022	Primary	V	<0.29 U	<0.15 U	<0.088 U	<0.088 U	<0.29 U	<0.29 U	<0.49 U	<0.49 U	<1.2 U	<0.29 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK2	11/16/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 UJ	<0.29 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN02G-2211WK3	11/23/2022	Primary	V	<0.3 U	<0.15 U	<0.089 U	<0.089 U	<0.3 U	<0.3 U	<0.49 U	<0.49 U	<1.2 U	<0.3 U	<0.3 U	<0.3 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK4	11/29/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK3	12/20/2022	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK4	12/28/2022	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK1	1/4/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK2	1/10/2023	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK3	1/17/2023	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 UJ	<0.28 U	<0.28 U	<0.28 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK4	1/24/2023	Primary	V	<0.32 U	<0.16 U	<0.095 U	<0.095 U	<0.32 U	<0.32 U	<0.53 U	<0.53 U	<1.3 UJ	<0.32 U	<0.32 U	<0.32 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK3	2/21/2023	Primary	V	<0.3 U	<0.15 U	<0.091 U	<0.091 U	<0.3 U	<0.3 U	<0.51 U	<0.51 U	<1.2 UJ	<0.3 U	<0.3 U	<0.3 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK4	2/27/2023	Primary	V	<0.29 U	<0.14 UJ	<0.086 UJ	<0.086 UJ	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 U	<0.29 U	<0.29 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW11-05

							Analyte	2-Chloronaphthalene		2-Chlorophenol		2-Nitrophenol		3,3'-Dichlorobenzidine		4,6-Dinitro-2-methylphenol		4-Bromophenyl phenyl ether		4-Chloro-3-methylphenol		4-Chlorophenyl phenyl ether		4-Nitrophenol		Azobenzene		bis-(2-chloroethoxy)Methane			
							CAS No.	91-58-7		95-57-8		88-75-5		91-94-1		534-52-1		101-55-3		59-50-7		7005-72-3		100-02-7		103-33-3		111-91-1			
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	-		0.18		-		0.17		-		-		-		-		-		-		-		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	-	R	<0.15	U	<0.15	U			
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK2	11/16/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U			
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN02G-2211WK3	11/23/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	U	<0.15	U	<0.3	U	<0.15	U	-	R	<0.15	U	<0.15	U			
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK4	11/29/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U			
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	UJ	<0.14	U	<0.14	U			
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	UJ	<0.14	U			
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U			
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U			
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U			
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK4	1/24/2023	Primary	V	<0.16	U	<0.16	U	<0.16	U	<0.32	U	-	R	<0.16	U	<0.32	U	<0.16	U	<6.4	U	<0.16	U	<0.16	U			
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK3	2/21/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	UJ	<0.15	U	<0.3	U	<0.15	U	<6.1	U	<0.15	U	<0.15	U			
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK4	2/27/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	UJ	<0.14	U	<0.14	U			

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW11-05

							Analyte	bis-(2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	0.82	0.31	ND	ND	ND	0.18	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK1	11/9/2022	Primary	V	<0.088 U	<0.15 U	<1.6 U	<0.58 U	<7.8 U	<0.29 UJ	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK2	11/16/2022	Primary	V	<0.086 U	<0.14 U	0.82 J	0.31 J	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN02G-2211WK3	11/23/2022	Primary	V	<0.089 U	<0.15 U	<1.6 U	<0.59 U	<7.9 U	<0.3 U	<0.3 U	<0.15 U	<0.3 U	<0.15 U	<0.3 U	<0.3 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK4	11/29/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK3	12/20/2022	Primary	V	<0.087 U	<0.14 U	<1.5 UJ	<0.58 UJ	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK4	12/28/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK1	1/4/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK2	1/10/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK3	1/17/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK4	1/24/2023	Primary	V	<0.095 U	<0.16 U	<1.7 U	<0.64 U	<8.5 U	<0.32 UJ	<0.32 U	<0.16 U	<0.32 U	<0.16 U	<0.32 UJ	<0.32 UJ	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK3	2/21/2023	Primary	V	<0.091 U	<0.15 U	<1.6 U	<0.61 U	<8.1 U	<0.3 U	<0.3 U	0.069 J	<0.3 U	<0.15 U	<0.3 U	<0.3 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK4	2/27/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	0.18 J	<0.29 U	<0.14 UJ	<0.29 UJ	<0.29 UJ	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW11-05

							Analyte	Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine										
							CAS No.	67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	0.4	82	-	-	-	-	0.14	-	1	58	-										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK2	11/16/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN02G-2211WK3	11/23/2022	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.089	U	<0.3	U	<0.15	U	<0.089	U	<0.15	U	<0.99	U	<0.59	U	<3.2	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK4	11/29/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	-	R	<0.58	U	<3.1	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.97	U	<0.58	U	<3.1	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK4	1/24/2023	Primary	V	<0.16	U	<0.32	U	<0.32	U	<0.095	U	<0.32	U	<0.16	U	<0.095	U	<0.16	U	<1.1	U	<0.64	U	<3.4	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK3	2/21/2023	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.091	U	<0.3	U	<0.15	U	<0.091	U	<0.15	U	<1	U	<0.61	U	<3.2	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK4	2/27/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.97	U	<0.58	U	<3.1	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW13-05

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN02G-2211WK2	11/16/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 U	<0.29 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2211WK3	11/19/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 UJ	<0.29 U	<0.29 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK3	12/21/2022	Primary	V	<0.29 U	<0.14 UJ	<0.086 UJ	<0.086 UJ	<0.29 U	<0.29 U	<0.48 U	<0.48 UJ	<1.2 UJ	<0.29 U	<0.29 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK4	12/29/2022	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK1	1/5/2023	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 UJ	<1.2 U	<0.29 U	<0.29 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK2	1/11/2023	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK3	1/18/2023	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	- R	- R	- R	<0.47 U	- R	<0.28 U	<0.28 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK4	1/25/2023	Primary	V	<0.3 U	<0.15 U	<0.089 U	<0.089 U	<0.3 U	<0.3 U	<0.49 U	<0.49 U	<1.2 UJ	<0.3 U	<0.3 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK4	2/28/2023	Primary	V	<0.29 U	<0.15 U	<0.088 U	<0.088 U	<0.29 U	<0.29 U	<0.49 U	<0.49 U	<1.2 U	<0.29 U	<0.29 U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW13-05

							Analyte	2-Chloronaphthalene		2-Chlorophenol		2-Nitrophenol		3,3'-Dichlorobenzidine		4,6-Dinitro-2-methylphenol		4-Bromophenyl phenyl ether		4-Chloro-3-methylphenol		4-Chlorophenyl phenyl ether		4-Nitrophenol		Azobenzene		bis-(2-chloroethoxy)Methane	
							CAS No.	91-58-7		95-57-8		88-75-5		91-94-1		534-52-1		101-55-3		59-50-7		7005-72-3		100-02-7		103-33-3		111-91-1	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	-		0.18		-		0.17		-		-		-		-		-		-		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN02G-2211WK2	11/16/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2211WK3	11/19/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK3	12/21/2022	Primary	V	<0.14	U	<0.14	UJ	<0.14	U	<0.29	UJ	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	UJ	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK4	12/29/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK1	1/5/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK2	1/11/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK3	1/18/2023	Primary	V	<0.14	U	<0.14	U	-	R	<0.28	U	-	R	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	-	R	<0.15	U	<0.3	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK4	2/28/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW13-05

							Analyte	bis(-2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN02G-2211WK2	11/16/2022	Primary	V	<0.086 U	<0.14 U	<1.5 UJ	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2211WK3	11/19/2022	Primary	V	<0.086 U	<0.14 U	<1.5 UJ	<0.57 U	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK3	12/21/2022	Primary	V	<0.086 UJ	<0.14 U	<1.5 UJ	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 UJ
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK4	12/29/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 UJ
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK1	1/5/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK2	1/11/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK3	1/18/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.56 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK4	1/25/2023	Primary	V	<0.089 U	<0.15 U	<1.6 U	<0.59 U	<7.9 U	<0.3 UJ	<0.3 U	<0.15 U	<0.3 U	<0.15 U	<0.3 U	<0.15 U	<0.3 UJ
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK4	2/28/2023	Primary	V	<0.088 U	<0.15 U	<1.6 U	<0.59 U	<7.9 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW13-05

							Analyte	Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine										
							CAS No.	67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	0.4	82	-	-	-	-	0.14	-	1	58	-										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result					
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN02G-2211WK2	11/16/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2211WK3	11/19/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK3	12/21/2022	Primary	V	<0.14	UJ	<0.29	UJ	<0.29	UJ	<0.086	UJ	-	R	<0.14	U	<0.086	UJ	<0.14	UJ	<0.96	UJ	<0.58	UJ	<3.1	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK4	12/29/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK1	1/5/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	UJ	<0.087	U	<0.14	U	<0.97	U	<0.58	U	<3.1	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK2	1/11/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK3	1/18/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	-	R	<0.56	U	<3	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.089	U	<0.3	U	<0.15	U	<0.089	U	<0.15	UJ	<0.99	U	<0.59	U	<3.2	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK4	2/28/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	-	R	<0.15	U	<0.088	U	<0.15	U	<0.98	U	<0.59	U	-	R

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW14-03

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK1	11/9/2022	Primary	V	<0.3 U	<0.15 U	<0.089 U	<0.089 U	<0.3 U	<0.3 U	<0.49 U	<0.49 U	<1.2 U	<0.3 U	<0.3 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2211WK2	11/15/2022	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK2	11/17/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	- R	<0.29 U	<0.29 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK3	11/23/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK3	12/20/2022	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 U	<0.28 U	<0.28 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK4	12/30/2022	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 U	<0.28 U	<0.28 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK1	1/6/2023	Primary	V	<0.29 U	<0.15 U	<0.088 U	<0.088 U	<0.29 U	<0.29 U	<0.49 U	<0.49 U	<1.2 U	<0.29 U	<0.29 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK2	1/12/2023	Primary	V	<0.29 U	- R	- R	- R	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK3	1/19/2023	Primary	V	<0.29 U	<0.15 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK4	1/26/2023	Primary	V	<0.3 U	<0.15 U	<0.09 U	<0.09 U	<0.3 U	<0.3 U	<0.5 U	<0.5 U	<1.2 U	<0.3 U	<0.3 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK2	2/16/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK3	2/23/2023	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW14-03

							Analyte	2-Chloronaphthalene		2-Chlorophenol		2-Nitrophenol		3,3'-Dichlorobenzidine		4,6-Dinitro-2-methylphenol		4-Bromophenyl phenyl ether		4-Chloro-3-methylphenol		4-Chlorophenyl phenyl ether		4-Nitrophenol		Azobenzene		bis-(2-chloroethoxy)Methane	
							CAS No.	91-58-7		95-57-8		88-75-5		91-94-1		534-52-1		101-55-3		59-50-7		7005-72-3		100-02-7		103-33-3		111-91-1	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	-		0.18		-		0.17		-		-		-		-		-		-		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	U	<0.15	U	<0.3	U	<0.15	U	-	R	<0.15	U	<0.15	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK3	11/23/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	UJ	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK4	12/30/2022	Primary	V	<0.14	U	<0.14	U	<0.14	UJ	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK1	1/6/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	UJ	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK2	1/12/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	UJ	<0.14	U	<0.14	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK3	1/19/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	UJ	<1.2	UJ	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	UJ	<1.2	U	<0.15	U	<0.3	U	<0.15	U	<6	U	<0.15	U	<0.15	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK2	2/16/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK3	2/23/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW14-03

							Analyte	bis-(2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK1	11/9/2022	Primary	V	<0.089 U	<0.15 U	<1.6 U	<0.59 U	<7.9 U	<0.3 UJ	<0.3 U	<0.15 U	<0.3 U	<0.15 U	<0.3 U	<0.3 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2211WK2	11/15/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK2	11/17/2022	Primary	V	<0.086 U	<0.14 UJ	<1.5 U	<0.57 U	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK3	11/23/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK3	12/20/2022	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 UJ	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK4	12/30/2022	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK1	1/6/2023	Primary	V	<0.088 U	<0.15 U	<1.6 U	<0.58 U	<7.8 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK2	1/12/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	-	R	-	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK3	1/19/2023	Primary	V	<0.087 U	<0.15 U	<1.5 U	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK4	1/26/2023	Primary	V	<0.09 U	<0.15 U	<1.6 U	<0.6 U	<8 U	<0.3 U	<0.3 U	<0.15 U	<0.3 U	<0.15 U	<0.3 U	<0.3 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK2	2/16/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK3	2/23/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW14-03

							Analyte	Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine										
							CAS No.	67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	0.4	82	-	-	-	-	0.14	-	1	58	-										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.089	U	<0.3	U	<0.15	U	<0.089	U	<0.15	U	<0.99	U	<0.59	U	<3.2	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.29	UJ	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	UJ	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK3	11/23/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.28	U	<0.28	UJ	<0.085	U	-	R	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK4	12/30/2022	Primary	V	<0.14	U	<0.28	UJ	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	UJ	<0.57	U	-	R
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK1	1/6/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.97	U	<0.58	U	-	R
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK2	1/12/2023	Primary	V	-	R	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK3	1/19/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	-	R	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.09	U	<0.3	U	<0.15	U	<0.09	U	<0.15	U	<1	U	<0.6	U	<3.2	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK2	2/16/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK3	2/23/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW15-05

Analyte							1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene											
CAS No.							120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN02G-2211WK1	11/10/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	-	R	<0.29	U	<0.29	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK2	11/15/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK3	11/20/2022	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK3	12/19/2022	Primary	V	<0.29	U	<0.14	U	-	R	-	R	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK4	12/27/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK1	1/3/2023	Primary	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK2	1/9/2023	Primary	V	<0.29	UJ	<0.14	UJ	<0.086	UJ	<0.086	UJ	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK3	1/16/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK4	1/23/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK2	2/13/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK3	2/20/2023	Primary	V	<0.31	U	<0.15	U	<0.093	U	<0.093	U	<0.31	U	<0.31	U	<0.51	U	<0.51	U	<1.2	UJ	<0.31	U	<0.31	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW15-05

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane											
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-	-										
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN02G-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK3	12/19/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK4	12/27/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	UJ	<0.14	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK1	1/3/2023	Primary	V	<0.15	U	<0.15	U	<0.15	UJ	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK2	1/9/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	UJ	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK3	1/16/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	UJ	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK4	1/23/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK2	2/13/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK3	2/20/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.31	U	<1.2	UJ	<0.15	U	<0.31	U	<0.15	U	<6.2	U	<0.15	U	<0.15	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW15-05

							Analyte	bis-(2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN02G-2211WK1	11/10/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK2	11/15/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK3	11/20/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK3	12/19/2022	Primary	V	<0.086 U	- R	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	- R	- R	- R	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK4	12/27/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK1	1/3/2023	Primary	V	- R	<0.15 U	<1.6 U	<0.58 U	<7.8 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK2	1/9/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK3	1/16/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK4	1/23/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK2	2/13/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK3	2/20/2023	Primary	V	<0.093 U	<0.15 U	<1.6 U	<0.62 U	<8.2 U	<0.31 U	<0.31 U	<0.15 U	<0.31 U	<0.15 U	<0.31 U	<0.31 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW15-05

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	0.051	0.82	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN02G-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK3	12/19/2022	Primary	V	-	R	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK4	12/27/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK1	1/3/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	0.051	J	<0.97	U	<0.58	U	<3.1	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK2	1/9/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK3	1/16/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK4	1/23/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	0.82	J	<0.57	U	<3.1	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK2	2/13/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.97	U	<0.58	U	<3.1	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK3	2/20/2023	Primary	V	<0.15	U	<0.31	U	<0.31	U	<0.093	U	<0.31	U	<0.15	U	<0.093	U	<0.15	U	<1	U	<0.62	U	<3.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW16

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene										
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	-	R	<0.29	U	<0.29	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	-	R	<0.29	U	<0.29	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	UJ	<0.28	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	UJ	<1.2	U	<0.29	U	<0.29	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW16

							Analyte	2-Chloronaphthalene		2-Chlorophenol		2-Nitrophenol		3,3'-Dichlorobenzidine		4,6-Dinitro-2-methylphenol		4-Bromophenyl phenyl ether		4-Chloro-3-methylphenol		4-Chlorophenyl phenyl ether		4-Nitrophenol		Azobenzene		bis-(2-chloroethoxy)Methane	
							CAS No.	91-58-7		95-57-8		88-75-5		91-94-1		534-52-1		101-55-3		59-50-7		7005-72-3		100-02-7		103-33-3		111-91-1	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	-		0.18		-		0.17		-		-		-		-		-		-		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		0.048		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	UJ	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	UJ	<0.14	U	<0.14	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	-	R	<0.14	U	<0.28	U	0.048	J	<5.6	U	<0.14	U	<0.14	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW16

							Analyte	bis-(2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.56 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW16

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result					
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.29	UJ	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	UJ	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	-	R	<0.58	U	<3.1	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	UJ	<0.95	UJ	<0.57	U	<3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	UJ	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	UJ	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	UJ
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	UJ	<0.94	U	<0.56	U	<3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.14	UJ	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW17

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene										
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK1	11/8/2022	Primary	V	<0.3	U	<0.15	U	<0.089	U	<0.089	U	<0.3	U	<0.49	U	<0.49	U	<1.2	UJ	<0.3	U	<0.3	U		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN02B-2211WK1	11/10/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	-	R	<0.29	U	<0.29	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK2	11/15/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK3	11/20/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK4	11/30/2022	Primary	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK1	12/7/2022	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK3	12/21/2022	Primary	V	<0.29	U	<0.14	UJ	<0.086	UJ	<0.086	UJ	<0.29	U	<0.29	U	<0.48	U	<0.48	UJ	<1.1	UJ	<0.29	U	<0.29	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK4	12/30/2022	Primary	V	<0.29	U	<0.15	U	<0.088	U	<0.088	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK1	1/6/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK2	1/12/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK3	1/19/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	-	R	-	R	-	R	-	R	-	R	<0.29	U	<0.29	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK4	1/26/2023	Primary	V	<0.29	U	<0.15	U	<0.088	U	<0.088	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK2	2/16/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK3	2/23/2023	Primary	V	<0.32	U	<0.16	U	<0.096	U	<0.096	U	<0.32	U	<0.32	U	<0.53	U	<0.53	U	<1.3	U	<0.32	U	<0.32	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK4	3/2/2023	Primary	V	<0.29	U	<0.15	U	<0.088	U	<0.088	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	U	<0.29	U	<0.29	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW17

							Analyte	2-Chloronaphthalene		2-Chlorophenol		2-Nitrophenol		3,3'-Dichlorobenzidine		4,6-Dinitro-2-methylphenol		4-Bromophenyl phenyl ether		4-Chloro-3-methylphenol		4-Chlorophenyl phenyl ether		4-Nitrophenol		Azobenzene		bis-(2-chloroethoxy)Methane	
							CAS No.	91-58-7		95-57-8		88-75-5		91-94-1		534-52-1		101-55-3		59-50-7		7005-72-3		100-02-7		103-33-3		111-91-1	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	-		0.18		-		0.17		-		-		-		-		-		-		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	UJ	<0.15	U	<0.3	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN02B-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	UJ	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.6	U	<0.14	U	<0.14	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK4	11/30/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	-	R	<0.15	U	<0.15	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK1	12/7/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	UJ	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK3	12/21/2022	Primary	V	<0.14	U	<0.14	UJ	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	UJ	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK4	12/30/2022	Primary	V	<0.15	U	<0.15	U	<0.15	UJ	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK1	1/6/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK2	1/12/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK3	1/19/2023	Primary	V	<0.14	U	-	R	-	R	<0.29	UJ	-	R	<0.14	U	-	R	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	UJ	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK2	2/16/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK3	2/23/2023	Primary	V	<0.16	U	<0.16	U	<0.16	U	<0.32	U	<1.3	U	<0.16	U	<0.32	U	<0.16	U	-	R	<0.16	U	<0.16	U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK4	3/2/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW17

							Analyte	bis(-2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	0.95	ND	ND	ND	ND	0.29	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK1	11/8/2022	Primary	V	<0.089 U	<0.15 U	<1.6 U	<0.59 U	<7.9 U	<0.3 UJ	<0.3 U	<0.15 U	<0.3 U	<0.15 U	<0.3 U	<0.3 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN02B-2211WK1	11/10/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK2	11/15/2022	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 UJ	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK3	11/20/2022	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.56 U	<7.5 U	<0.28 UJ	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK4	11/30/2022	Primary	V	<0.087 U	<0.15 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK1	12/7/2022	Primary	V	<0.087 UJ	<0.14 U	<1.5 UJ	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK3	12/21/2022	Primary	V	<0.086 UJ	<0.14 U	<1.5 UJ	<0.57 U	<7.6 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 UJ	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK4	12/30/2022	Primary	V	<0.088 U	<0.15 U	0.95 J	<0.59 U	<7.8 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK1	1/6/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK2	1/12/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK3	1/19/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK4	1/26/2023	Primary	V	<0.088 U	<0.15 U	<1.6 U	<0.59 U	<7.8 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK2	2/16/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK3	2/23/2023	Primary	V	<0.096 U	<0.16 U	<1.7 U	<0.64 U	<8.5 U	<0.32 U	<0.32 U	0.29 J	<0.32 U	<0.16 U	<0.32 U	<0.32 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK4	3/2/2023	Primary	V	<0.088 U	<0.15 U	<1.6 U	<0.59 U	<7.8 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW17

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.089	U	<0.3	U	<0.15	U	<0.089	U	<0.15	U	<0.99	U	<0.59	U	-	R
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN02B-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.56	U	<3	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK4	11/30/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK1	12/7/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	UJ	<0.14	U	<0.087	U	<0.14	U	-	R	<0.58	U	<3.1	UJ
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK3	12/21/2022	Primary	V	<0.14	UJ	<0.29	UJ	<0.29	UJ	<0.086	UJ	-	R	<0.14	U	<0.086	UJ	<0.14	UJ	<0.95	UJ	<0.57	UJ	<3	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK4	12/30/2022	Primary	V	<0.15	U	<0.29	UJ	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.98	UJ	<0.59	U	-	R
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK1	1/6/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	-	R
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK2	1/12/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK3	1/19/2023	Primary	V	<0.14	U	<0.29	U	-	R	<0.086	U	-	R	<0.14	U	<0.086	U	-	R	-	R	-	R	<3.1	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.98	U	<0.59	U	<3.1	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK2	2/16/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK3	2/23/2023	Primary	V	<0.16	U	<0.32	U	<0.32	U	<0.096	U	-	R	<0.16	U	<0.096	U	<0.16	U	<1.1	U	<0.64	U	-	R
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK4	3/2/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.98	U	<0.59	U	<3.1	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW19

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene										
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result				
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK1	11/9/2022	Primary	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK2	11/16/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2211WK4	11/28/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK3	12/23/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK4	12/27/2022	Primary	V	<0.29	U	<0.15	U	<0.088	U	<0.088	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	U	<0.29	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK1	1/3/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK2	1/9/2023	Primary	V	<0.29	UJ	<0.15	UJ	<0.087	UJ	<0.087	UJ	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK3	1/16/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK4	1/23/2023	Primary	V	<0.29	U	<0.15	U	<0.088	U	<0.088	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	U	<0.29	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK2	2/13/2023	Primary	V	<0.3	U	<0.15	U	<0.09	U	<0.09	U	<0.3	U	<0.3	U	<0.5	U	<0.5	U	<1.2	U	<0.3	U	<0.3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW19

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane											
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	-	R	<0.15	U	<0.15	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK2	11/16/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2211WK4	11/28/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK3	12/23/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	UJ	<0.14	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK4	12/27/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	-	R	<0.15	UJ	<0.15	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK1	1/3/2023	Primary	V	<0.14	U	<0.14	U	<0.14	UJ	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK2	1/9/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	UJ	<0.14	U	<5.8	U	<0.14	U	<0.14	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK3	1/16/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK4	1/23/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	UJ	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK2	2/13/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	U	<0.15	U	<0.3	U	<0.15	U	<6	UJ	<0.15	U	<0.15	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW19

							Analyte	bis-(2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene										
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	0.76	0.32	ND	ND	0.19	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result					
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK1	11/9/2022	Primary	V	<0.087	U	<0.15	U	<1.6	U	<0.58	U	<7.8	U	<0.29	UJ	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK2	11/16/2022	Primary	V	<0.086	U	<0.14	U	<1.5	UJ	0.32	J	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2211WK4	11/28/2022	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.5	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK3	12/23/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK4	12/27/2022	Primary	V	<0.088	U	<0.15	U	<1.6	U	<0.58	U	<7.8	U	<0.29	U	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK1	1/3/2023	Primary	V	-	R	<0.14	U	0.76	J	<0.58	UJ	<7.7	U	<0.29	U	0.19	J	<0.14	U	<0.29	U	<0.14	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK2	1/9/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.15	UJ	<0.29	UJ
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK3	1/16/2023	Primary	V	<0.086	U	<0.14	U	<1.5	UJ	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK4	1/23/2023	Primary	V	<0.088	U	<0.15	U	<1.6	U	<0.59	U	<7.9	U	<0.29	U	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK2	2/13/2023	Primary	V	<0.09	U	<0.15	U	<1.6	U	<0.6	U	<8	U	<0.3	U	<0.3	UJ	<0.15	U	<0.3	U	<0.15	UJ	<0.3	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW19

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK1	11/9/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK2	11/16/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2211WK4	11/28/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	-	R	<0.57	U	<3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK3	12/23/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK4	12/27/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK1	1/3/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK2	1/9/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK3	1/16/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK4	1/23/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.98	U	<0.59	U	<3.1	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK2	2/13/2023	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.09	U	<0.3	U	<0.15	U	<0.09	U	<0.15	U	<1	U	<0.6	U	<3.2	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW2254-01

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene										
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK1	11/8/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.29	U	<0.15	U	<0.088	U	<0.088	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	--	R	--	R	--	R	--	R	--	R	<0.29	U	<0.29	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	--	R	<0.29	U	<0.29	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK2	11/17/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	--	R	<0.29	U	<0.29	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	--	R	<0.28	U	<0.28	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK3	11/20/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK4	12/1/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK4	12/1/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK2	12/15/2022	Primary	V	--	R	--	R	--	R	--	R	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK2	12/15/2022	Primary	V	--	R	--	R	--	R	--	R	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK3	12/21/2022	Primary	V	<0.29	U	<0.14	UJ	<0.086	UJ	<0.086	UJ	<0.29	U	<0.29	U	<0.48	U	<0.48	UJ	<1.1	UJ	<0.29	U	<0.29	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.29	U	<0.14	UJ	<0.086	UJ	<0.086	UJ	<0.29	U	<0.29	U	<0.48	U	<0.48	UJ	<1.1	UJ	<0.29	U	<0.29	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK4	12/29/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK2	1/11/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK3	1/18/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	--	R	--	R	--	R	--	R	--	R	<0.29	U	<0.29	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	--	R	--	R	--	R	--	R	--	R	<0.29	U	<0.29	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK4	1/26/2023	Primary	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	UJ	<0.29	U	<0.29	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.3	U	<0.15	U	<0.09	U	<0.09	U	<0.3	U	<0.3	U	<0.5	U	<0.5	U	<1.2	UJ	<0.3	U	<0.3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK2	2/15/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK2	2/15/2023	Primary	V	<0.3	U	<0.15	U	<0.09	U	<0.09	U	<0.3	U	<0.3	U	<0.5	U	<0.5	U	<1.2	UJ	<0.3	U	<0.3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK3	2/22/2023	Primary	V	<0.3	U	<0.15	U	<0.091	U	<0.091	U	<0.3	U	<0.3	U	<0.51	U	<0.51	U	<1.2	UJ	<0.3	U	<0.3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK3	2/22/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK4	3/1/2023	Primary	V	<0.3	U	<0.15	U	<0.091	U	<0.091	U	<0.3	U	<0.3	U	<0.5	U	<0.5	U	<1.2	UJ	<0.3	U	<0.3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK4	3/1/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW2254-01

							Analyte	2-Chloronaphthalene		2-Chlorophenol		2-Nitrophenol		3,3'-Dichlorobenzidine		4,6-Dinitro-2-methylphenol		4-Bromophenyl phenyl ether		4-Chloro-3-methylphenol		4-Chlorophenyl phenyl ether		4-Nitrophenol		Azobenzene		bis-(2-chloroethoxy)Methane	
							CAS No.	91-58-7		95-57-8		88-75-5		91-94-1		534-52-1		101-55-3		59-50-7		7005-72-3		100-02-7		103-33-3		111-91-1	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	-		0.18		-		0.17		-		-		-		-		-		-		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK1	11/8/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	UJ	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	V	<0.14	U	-	R	-	R	<0.29	UJ	-	R	<0.14	U	-	R	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	-	R	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK4	12/1/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK4	12/1/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	UJ	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK2	12/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK2	12/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK3	12/21/2022	Primary	V	<0.14	U	<0.14	UJ	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	UJ	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.14	U	<0.14	UJ	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	UJ	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK4	12/29/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK2	1/11/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK3	1/18/2023	Primary	V	<0.14	U	<0.14	U	-	R	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.14	U	<0.14	U	-	R	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	UJ	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	UJ	<0.15	U	<0.3	U	<0.15	U	<6	U	<0.15	U	<0.15	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK2	2/15/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK2	2/15/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	U	<0.15	U	<0.3	U	<0.15	U	<6	U	<0.15	U	<0.15	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK3	2/22/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	U	<0.15	U	<0.3	U	<0.15	U	-	R	<0.15	U	<0.15	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK3	2/22/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK4	3/1/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	U	<0.15	U	<0.3	U	<0.15	U	<6	U	<0.15	U	<0.15	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK4	3/1/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW2254-01

							Analyte	bis-(2-chloroethyl)Ether		bis-(2-chloroisopropyl)Ether		bis-(2-ethylhexyl)Phthalate		Butylbenzylphthalate		Di-n-butyl phthalate		Di-n-octyl phthalate		Diethyl phthalate		Dimethyl phthalate		Hexachlorobenzene		Hexachlorobutadiene		Hexachlorocyclopentadiene	
							CAS No.	111-44-4		108-60-1		117-81-7		85-68-7		84-74-2		117-84-0		84-66-2		131-11-3		118-74-1		87-68-3		77-47-4	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	0.014		-		3		-		-		-		210		1100		0.0003		0.2		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		4.4		0.72		ND		ND		ND		0.25		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK1	11/8/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.088	U	<0.15	U	<1.6	U	<0.58	U	<7.8	U	<0.29	UJ	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	V	<0.086	U	<0.14	U	4.4		<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	0.72	J	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK2	11/17/2022	Primary	V	<0.086	U	<0.14	UJ	<1.5	U	<0.57	U	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.085	U	<0.14	UJ	<1.5	U	<0.57	U	<7.6	U	<0.28	UJ	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK3	11/20/2022	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.5	U	<0.28	UJ	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.085	U	<0.14	U	<1.5	UJ	<0.57	U	<7.5	U	<0.28	UJ	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK4	12/1/2022	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	UJ	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK4	12/1/2022	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK2	12/15/2022	Primary	V	<0.086	U	<0.14	U	<1.5	UJ	<0.58	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	-	R	-	R	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK2	12/15/2022	Primary	V	<0.086	U	<0.14	U	<1.5	UJ	<0.58	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	-	R	-	R	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK3	12/21/2022	Primary	V	<0.086	UJ	<0.14	U	<1.5	UJ	<0.57	U	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	UJ	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.086	UJ	<0.14	U	<1.5	UJ	<0.57	U	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	UJ	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK4	12/29/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	UJ	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	UJ	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK2	1/11/2023	Primary	V	<0.087	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.5	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK3	1/18/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK4	1/26/2023	Primary	V	<0.087	U	<0.15	U	<1.6	U	<0.58	U	<7.8	U	<0.29	U	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.09	U	<0.15	U	<1.6	U	<0.6	U	<8	U	<0.3	U	<0.3	U	<0.15	U	<0.3	U	<0.15	U	<0.3	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK2	2/15/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK2	2/15/2023	Primary	V	<0.09	U	<0.15	U	<1.6	U	<0.6	U	<8	U	<0.3	U	<0.3	U	<0.15	U	<0.3	U	<0.15	U	<0.3	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK3	2/22/2023	Primary	V	<0.091	U	<0.15	U	<1.6	U	<0.61	U	<8.1	U	<0.3	U	<0.3	U	0.25	J	<0.3	U	<0.15	U	<0.3	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK3	2/22/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.56	U	<7.5	U	<0.28	U	<0.28	U	0.21	J	<0.28	U	<0.14	U	<0.28	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK4	3/1/2023	Primary	V	<0.091	U	<0.15	U	<1.6	U	<0.6	U	<8.1	U	<0.3	U	<0.3	U	<0.15	U	<0.3	U	<0.15	U	<0.3	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK4	3/1/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW2254-01

							Analyte	Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine										
							CAS No.	67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	0.4	82	-	-	-	-	0.14	-	1	58	-										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK1	11/8/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	-	R
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.97	U	<0.58	U	-	R
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.29	U	-	R	<0.086	U	<0.29	U	<0.14	U	<0.086	U	-	R	-	R	-	R	<3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK4	12/1/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2211WK4	12/1/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK2	12/15/2022	Primary	V	-	R	<0.29	U	<0.29	U	<0.086	U	-	R	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK2	12/15/2022	Primary	V	-	R	<0.29	U	<0.29	U	<0.086	U	-	R	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK3	12/21/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	-	R	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	-	R	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK4	12/29/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK2	1/11/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK3	1/18/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	-	R	<0.58	U	<3.1	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	-	R	<0.58	U	<3.1	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.09	U	<0.3	U	<0.15	U	<0.09	U	<0.15	U	<1	U	<0.6	U	<3.2	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK2	2/15/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK2	2/15/2023	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.09	U	<0.3	U	<0.15	U	<0.09	U	<0.15	U	<1	U	<0.6	U	<3.2	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK3	2/22/2023	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.091	U	-	R	<0.15	U	<0.091	U	<0.15	U	<1	U	<0.61	U	-	R
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK3	2/22/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	-	R	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.56	U	-	R
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK4	3/1/2023	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.091	U	-	R	<0.15	U	<0.091	U	<0.15	U	<1	U	<0.6	U	-	R
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2302WK4	3/1/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	-	R	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	-	R

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW01

Analyte							1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene											
CAS No.							120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK1	11/9/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK2	11/16/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK4	11/30/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.29	U	<0.14	UJ	<0.086	UJ	<0.086	UJ	<0.29	U	<0.29	U	<0.48	U	<0.48	UJ	<1.1	UJ	<0.29	U	<0.29	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK4	12/30/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK1	1/6/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK2	1/12/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK3	1/19/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.29	U	<0.15	U	<0.088	U	<0.088	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	UJ	<0.29	U	<0.29	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK2	2/16/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK3	2/23/2023	Primary	V	<0.3	U	<0.15	UJ	<0.092	UJ	<0.092	UJ	<0.3	U	<0.3	U	<0.51	U	<0.51	U	<1.2	UJ	<0.3	U	<0.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK4	3/2/2023	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW01

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane											
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK1	11/9/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK2	11/16/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	UJ	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK4	11/30/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.14	U	<0.14	UJ	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	UJ
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK4	12/30/2022	Primary	V	<0.14	U	<0.14	U	<0.14	UJ	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK1	1/6/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	UJ	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK2	1/12/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK3	1/19/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	UJ	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK2	2/16/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK3	2/23/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	U	<0.15	U	<0.3	U	<0.15	U	<6.1	UJ	<0.15	U	<0.15	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK4	3/2/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW01

							Analyte	bis(-2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK1	11/9/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK2	11/16/2022	Primary	V	<0.085 U	<0.14 U	<1.5 UJ	<0.57 U	<7.6 U	<0.28 UJ	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK4	11/30/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.086 UJ	<0.14 U	<1.5 UJ	<0.57 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 UJ	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK4	12/30/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK1	1/6/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK2	1/12/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK3	1/19/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.7 U	<0.29 UJ	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.088 U	<0.15 U	<1.6 U	<0.59 U	<7.8 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK2	2/16/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK3	2/23/2023	Primary	V	<0.091 U	<0.15 U	<1.6 U	<0.61 U	<8.1 U	<0.3 U	<0.3 U	<0.15 U	<0.3 U	<0.15 UJ	<0.31 UJ	<0.31 UJ	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK4	3/2/2023	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW01

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result					
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK1	11/9/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK2	11/16/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK4	11/30/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.14	UJ	<0.29	UJ	<0.29	UJ	<0.086	UJ	-	R	<0.14	U	<0.086	UJ	<0.14	UJ	<0.96	UJ	<0.57	UJ	<3.1	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK4	12/30/2022	Primary	V	<0.14	U	<0.29	UJ	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	UJ	<0.57	U	-	R
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK1	1/6/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	-	R
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK2	1/12/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK3	1/19/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	-	R	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.98	U	<0.59	U	<3.1	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK2	2/16/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK3	2/23/2023	Primary	V	<0.15	UJ	<0.3	U	<0.3	U	<0.091	U	<0.3	U	<0.15	U	<0.091	U	<0.15	U	<1	U	<0.61	U	<3.2	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK4	3/2/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.97	U	<0.58	U	<3.1	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW04A

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U	<0.29 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U	<0.29 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK3	12/19/2022	Field Duplicate	V	<0.29 U	<0.14 U	-- R	-- R	<0.29 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U	<0.29 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.29 U	<0.15 U	-- R	-- R	<0.29 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U	<0.29 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK4	12/29/2022	Field Duplicate	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U	<0.29 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.29 U	<0.15 U	<0.088 U	<0.088 U	<0.29 U	<0.29 U	<0.29 U	<0.49 U	<0.49 U	<1.2 U	<0.29 U	<0.29 U	<0.29 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK1	1/5/2023	Field Duplicate	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U	<0.29 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 U	<0.28 U	<0.28 U	<0.28 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK2	1/11/2023	Field Duplicate	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 U	<0.28 U	<0.28 U	<0.28 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 U	<0.28 U	<0.28 U	<0.28 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK3	1/18/2023	Field Duplicate	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	-- R	-- R	-- R	<0.47 U	<0.47 U	-- R	<0.28 U	<0.28 U	<0.28 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	-- R	-- R	-- R	<0.47 U	<0.47 U	-- R	<0.28 U	<0.28 U	<0.28 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK4	1/24/2023	Field Duplicate	V	<0.29 U	<0.15 U	<0.088 U	<0.088 U	<0.29 U	<0.29 U	<0.29 U	<0.49 U	<0.49 U	<1.2 U	<0.29 U	<0.29 U	<0.29 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U	<0.29 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK1	3/10/2023	Field Duplicate	V	<0.29 U	<0.15 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	-- R	<0.29 U	<0.29 U	<0.29 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	-- R	<0.29 U	<0.29 U	<0.29 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW04A

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane											
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result											
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK3	12/19/2022	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	-	R	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK4	12/29/2022	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	-	R	<0.15	U	<0.15	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK1	1/5/2023	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.6	U	<0.14	U	<0.14	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK2	1/11/2023	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.6	U	<0.14	U	<0.14	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK3	1/18/2023	Field Duplicate	V	<0.14	U	<0.14	U	-	R	<0.28	U	-	R	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.14	U	<0.14	U	-	R	<0.28	U	-	R	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK4	1/24/2023	Field Duplicate	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK1	3/10/2023	Field Duplicate	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	-	R	<0.15	U	<0.29	U	<0.15	U	-	R	<0.15	U	<0.15	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW04A

							Analyte	bis-(2-chloroethyl)Ether	bis-(2-chloroisopropyl)Ether	bis-(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	0.29	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.086 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK3	12/19/2022	Field Duplicate	V	<0.087 U	- R	<1.5 U	0.29 J	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	- R	- R	- R	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.087 U	- R	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	- R	- R	- R	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK4	12/29/2022	Field Duplicate	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.088 U	<0.15 U	<1.6 U	<0.59 U	<7.8 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK1	1/5/2023	Field Duplicate	V	<0.087 U	<0.14 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.56 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK2	1/11/2023	Field Duplicate	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.56 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK3	1/18/2023	Field Duplicate	V	<0.085 U	<0.14 U	<1.5 U	<0.56 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.57 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK4	1/24/2023	Field Duplicate	V	<0.088 U	<0.15 U	<1.6 U	<0.59 U	<7.8 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK1	3/10/2023	Field Duplicate	V	<0.087 U	<0.15 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW04A

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine	
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1	
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-	
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.086 U	<0.29 U	<0.14 U	<0.086 U	<0.14 U	<0.96 U	<0.58 U	<3.1 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.087 U	<0.29 U	<0.14 U	<0.087 U	<0.14 U	<0.96 U	<0.58 U	<3.1 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK3	12/19/2022	Field Duplicate	V	- R	<0.29 U	<0.29 U	<0.29 U	<0.087 U	<0.29 U	<0.14 U	<0.087 U	<0.14 U	<0.96 U	<0.58 U	<3.1 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK3	12/19/2022	Primary	V	- R	<0.29 U	<0.29 U	<0.29 U	<0.087 U	<0.29 U	<0.15 U	<0.087 U	<0.15 U	<0.97 U	<0.58 U	<3.1 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK4	12/29/2022	Field Duplicate	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.086 U	<0.29 U	<0.14 U	<0.086 U	<0.14 U	<0.95 U	<0.57 U	<3.1 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.15 U	<0.29 U	<0.29 U	<0.29 U	<0.088 U	<0.29 U	<0.15 U	<0.088 U	<0.15 U	<0.98 U	<0.59 U	<3.1 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK1	1/5/2023	Field Duplicate	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.087 U	<0.29 U	<0.14 U	<0.087 U	<0.14 U	<0.96 U	<0.58 U	<3.1 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.14 U	<0.28 U	<0.28 U	<0.28 U	<0.085 U	<0.28 U	<0.14 U	<0.085 U	<0.14 U	<0.94 U	<0.56 U	<3 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK2	1/11/2023	Field Duplicate	V	<0.14 U	<0.28 U	<0.28 U	<0.28 U	<0.085 U	<0.28 U	<0.14 U	<0.085 U	<0.14 U	<0.94 U	<0.57 U	<3 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.14 U	<0.28 U	<0.28 U	<0.28 U	<0.085 U	<0.28 U	<0.14 U	<0.085 U	<0.14 U	<0.94 U	<0.56 U	<3 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK3	1/18/2023	Field Duplicate	V	<0.14 U	<0.28 U	<0.28 U	<0.28 U	<0.085 U	<0.28 U	<0.14 U	<0.085 U	<0.14 U	- R	<0.56 U	<3 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.14 U	<0.28 U	<0.28 U	<0.28 U	<0.085 U	<0.28 U	<0.14 U	<0.085 U	<0.14 U	- R	<0.57 U	<3 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK4	1/24/2023	Field Duplicate	V	<0.15 U	<0.29 U	<0.29 U	<0.29 U	<0.088 U	<0.29 U	<0.15 U	<0.088 U	<0.15 U	<0.98 U	<0.59 U	<3.1 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.086 U	<0.29 U	<0.14 U	<0.086 U	<0.14 U	<0.96 U	<0.57 U	<3.1 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK1	3/10/2023	Field Duplicate	V	<0.15 U	<0.29 U	<0.29 U	<0.29 U	<0.087 U	<0.29 U	<0.15 U	<0.087 U	<0.15 U	<0.97 U	<0.58 U	<3.1 U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.14 U	<0.29 U	<0.29 U	<0.29 U	<0.086 U	<0.29 U	<0.14 U	<0.086 U	<0.14 U	<0.95 U	<0.57 U	<3 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW05A

							Analyte		1,2,4-Trichlorobenzene		1,2-Dichlorobenzene		1,3-Dichlorobenzene		1,4-Dichlorobenzene		2,4,5-Trichlorophenol		2,4,6-Trichlorophenol		2,4-Dichlorophenol		2,4-Dimethylphenol		2,4-Dinitrophenol		2,4-Dinitrotoluene		2,6-Dinitrotoluene	
CAS No.							120-82-1		95-50-1		541-73-1		106-46-7		95-95-4		88-06-2		120-83-2		105-67-9		51-28-5		121-14-2		606-20-2			
Method							SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
DOH Tier 1 EAL							70		10		5		5		1.9		4.9		0.3		120		14		0.25		0.05			
Units							µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Minimum							ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Maximum							ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.29	U	<0.14	U	-	R	-	R	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.29	U	<0.15	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	-	R	-	R	-	R	<0.47	U	-	R	<0.28	U	<0.28	U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.3	U	<0.15	U	<0.091	U	<0.091	U	<0.3	U	<0.3	U	<0.5	U	<0.5	U	<1.2	U	<0.3	U	<0.3	U		
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	-	R	<0.28	U	<0.28	U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW05A

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane											
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.6	U	<0.14	U	<0.14	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.14	U	<0.14	U	-	R	<0.28	U	-	R	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	U	<0.15	U	<0.3	U	<0.15	U	<6	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	-	R	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW05A

							Analyte	bis-(2-chloroethyl)Ether	bis(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4	
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	0.29	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.086 U	- R	<1.5 U	0.29 J	<7.7 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	- R	- R	- R	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.087 U	<0.15 U	<1.5 U	<0.58 U	<7.7 U	<0.29 U	<0.29 U	<0.15 U	<0.29 U	<0.15 U	<0.29 U	<0.29 U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.56 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.56 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.091 U	<0.15 U	<1.6 U	<0.6 U	<8.1 U	<0.3 U	<0.3 U	<0.15 U	<0.3 U	<0.15 U	<0.3 U	<0.3 U	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.56 U	<7.5 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW05A

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK3	12/19/2022	Primary	V	-	R	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.56	U	<3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	-	R	<0.56	U	<3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.091	U	<0.3	U	<0.15	U	<0.091	U	<0.15	U	<1	U	<0.6	U	<3.2	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.56	U	<3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW07A

							Analyte		1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene									
CAS No.							120-82-1		95-50-1		541-73-1		106-46-7		95-95-4		88-06-2		120-83-2		105-67-9		51-28-5		121-14-2		606-20-2	
Method							SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
DOH Tier 1 EAL							70		10		5		5		1.9		4.9		0.3		120		14		0.25		0.05	
Units							µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Minimum							ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Maximum							ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.28	U	<0.14	UJ	<0.085	UJ	<0.085	UJ	<0.28	U	<0.28	U	<0.47	U	<0.47	UJ	<1.1	UJ	<0.28	U	<0.28	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.29	U	<0.15	U	<0.088	U	<0.088	U	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	U	<0.29	U	<0.29	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.28	UJ	<0.14	UJ	<0.085	UJ	<0.085	UJ	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.3	U	<0.15	U	<0.089	U	<0.089	U	<0.3	U	<0.3	U	<0.49	U	<0.49	U	<1.2	U	<0.3	U	<0.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.3	U	<0.15	UJ	<0.091	UJ	<0.091	UJ	<0.3	U	<0.3	U	<0.5	U	<0.5	U	<1.2	UJ	<0.3	U	<0.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.28	U	<0.15	UJ	<0.087	UJ	<0.087	UJ	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW07A

							Analyte	2-Chloronaphthalene		2-Chlorophenol		2-Nitrophenol		3,3'-Dichlorobenzidine		4,6-Dinitro-2-methylphenol		4-Bromophenyl phenyl ether		4-Chloro-3-methylphenol		4-Chlorophenyl phenyl ether		4-Nitrophenol		Azobenzene		bis-(2-chloroethoxy)Methane	
							CAS No.	91-58-7		95-57-8		88-75-5		91-94-1		534-52-1		101-55-3		59-50-7		7005-72-3		100-02-7		103-33-3		111-91-1	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	-		0.18		-		0.17		-		-		-		-		-		-		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.14	U	<0.14	UJ	<0.14	U	<0.28	UJ	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	UJ	<0.14	UJ	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	UJ	<0.14	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.15	U	<0.15	U	<0.15	UJ	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	UJ	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	UJ	<1.2	U	<0.15	U	<0.3	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	-	R	<0.14	U	<0.14	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	U	<0.15	U	<0.3	U	<0.15	U	<6	UJ	<0.15	U	<0.15	U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW07A

							Analyte	bis-(2-chloroethyl)Ether	bis-(2-chloroisopropyl)Ether	bis(2-ethylhexyl)Phthalate	Butylbenzylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Diethyl phthalate	Dimethyl phthalate	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene										
							CAS No.	111-44-4	108-60-1	117-81-7	85-68-7	84-74-2	117-84-0	84-66-2	131-11-3	118-74-1	87-68-3	77-47-4										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	0.014	-	3	-	-	-	210	1100	0.0003	0.2	-										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	0.26	ND	ND	ND	0.16	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result										
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.085	UJ	<0.14	U	<1.5	UJ	<0.57	U	<7.6	U	<0.28	UJ	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	UJ
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.085	U	<0.14	U	<1.5	U	0.26	J	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK1	1/3/2023	Primary	V	-	R	<0.15	U	<1.6	UJ	<0.59	UJ	<7.8	U	<0.29	U	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	UJ	<0.28	U	<0.14	U	<0.28	U	<0.14	UJ	<0.28	UJ
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.086	U	<0.14	U	<1.5	UJ	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.089	U	<0.15	U	<1.6	U	<0.59	U	<7.9	U	<0.3	U	<0.3	U	<0.15	U	<0.3	U	<0.15	U	<0.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.5	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.091	U	<0.15	U	<1.6	U	<0.6	U	<8.1	U	<0.3	U	<0.3	U	<0.15	U	<0.3	U	<0.15	UJ	<0.3	UJ
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	U	<0.28	U	0.16	J	<0.28	U	<0.15	UJ	<0.29	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW07A

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	-	R
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.14	UJ	<0.28	UJ	<0.28	UJ	<0.085	UJ	-	R	<0.14	U	<0.085	UJ	<0.14	UJ	<0.95	UJ	<0.57	UJ	<3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.15	U	<0.29	UJ	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.98	U	<0.59	U	<3.1	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.14	UJ	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	UJ	<0.57	U	<3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.089	U	<0.3	U	<0.15	U	<0.089	U	<0.15	U	<0.99	U	<0.59	U	<3.2	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.15	UJ	<0.3	U	<0.3	U	<0.091	U	<0.3	U	<0.15	U	<0.091	U	<0.15	U	<1	U	<0.6	U	<3.2	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.15	UJ	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW08A

							Analyte	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene										
							CAS No.	120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2										
							Method	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C									
							DOH Tier 1 EAL	70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05										
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK2	11/18/2022	Field Duplicate	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK2	11/18/2022	Primary	V	<0.29	U	<0.14	U	<0.087	U	<0.087	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2211WK3	11/20/2022	Field Duplicate	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK3	12/22/2022	Field Duplicate	V	<0.28	U	<0.14	UJ	<0.085	UJ	<0.085	UJ	<0.28	U	<0.28	U	<0.47	U	<0.47	UJ	<1.1	UJ	<0.28	U	<0.28	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.28	U	<0.14	UJ	<0.085	UJ	<0.085	UJ	<0.28	U	<0.28	U	<0.47	U	<0.47	UJ	<1.1	UJ	<0.28	U	<0.28	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK4	12/27/2022	Field Duplicate	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK1	1/3/2023	Field Duplicate	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK2	1/9/2023	Field Duplicate	V	<0.28	UJ	<0.14	UJ	<0.085	UJ	<0.085	UJ	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.29	UJ	<0.14	UJ	<0.086	UJ	<0.086	UJ	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK3	1/16/2023	Field Duplicate	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	U	<0.28	U	<0.28	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK2	2/13/2023	Field Duplicate	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.2	U	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK3	2/24/2023	Field Duplicate	V	<0.29	U	<0.15	UJ	<0.088	UJ	<0.088	UJ	<0.29	U	<0.29	U	<0.49	U	<0.49	U	<1.2	UJ	<0.29	U	<0.29	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.28	U	<0.15	UJ	<0.087	UJ	<0.087	UJ	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK4	2/27/2023	Field Duplicate	V	<0.28	U	<0.14	UJ	<0.086	UJ	<0.086	UJ	<0.28	U	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	U	<0.28	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.29	U	<0.14	UJ	<0.086	UJ	<0.086	UJ	<0.29	U	<0.29	U	<0.48	U	<0.48	U	<1.1	UJ	<0.29	U	<0.29	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW08A

							Analyte	2-Chloronaphthalene		2-Chlorophenol		2-Nitrophenol		3,3'-Dichlorobenzidine		4,6-Dinitro-2-methylphenol		4-Bromophenyl phenyl ether		4-Chloro-3-methylphenol		4-Chlorophenyl phenyl ether		4-Nitrophenol		Azobenzene		bis-(2-chloroethoxy)Methane	
							CAS No.	91-58-7		95-57-8		88-75-5		91-94-1		534-52-1		101-55-3		59-50-7		7005-72-3		100-02-7		103-33-3		111-91-1	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	-		0.18		-		0.17		-		-		-		-		-		-		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK2	11/18/2022	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK2	11/18/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2211WK3	11/20/2022	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK3	12/22/2022	Field Duplicate	V	<0.14	U	<0.14	UJ	<0.14	U	<0.28	UJ	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.14	U	<0.14	UJ	<0.14	U	<0.28	UJ	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK4	12/27/2022	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	UJ	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	UJ	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK1	1/3/2023	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	UJ	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.14	U	<0.14	U	<0.14	UJ	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK2	1/9/2023	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	UJ	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	UJ	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK3	1/16/2023	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.28	UJ	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.6	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	UJ	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK2	2/13/2023	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	UJ	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK3	2/24/2023	Field Duplicate	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.8	UJ	<0.15	U	<0.15	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK4	2/27/2023	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	UJ	<0.14	U	<0.14	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW08A

							Analyte	bis-(2-chloroethyl)Ether		bis-(2-chloroisopropyl)Ether		bis-(2-ethylhexyl)Phthalate		Butylbenzylphthalate		Di-n-butyl phthalate		Di-n-octyl phthalate		Diethyl phthalate		Dimethyl phthalate		Hexachlorobenzene		Hexachlorobutadiene		Hexachlorocyclopentadiene	
							CAS No.	111-44-4		108-60-1		117-81-7		85-68-7		84-74-2		117-84-0		84-66-2		131-11-3		118-74-1		87-68-3		77-47-4	
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
							DOH Tier 1 EAL	0.014		-		3		-		-		-		210		1100		0.0003		0.2		-	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK2	11/18/2022	Field Duplicate	V	<0.087	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK2	11/18/2022	Primary	V	<0.087	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2211WK3	11/20/2022	Field Duplicate	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	UJ	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK3	12/22/2022	Field Duplicate	V	<0.085	UJ	<0.14	U	<1.5	UJ	<0.57	U	<7.6	U	<0.28	UJ	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.085	UJ	<0.14	U	<1.5	UJ	<0.57	U	<7.6	U	<0.28	UJ	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK4	12/27/2022	Field Duplicate	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK1	1/3/2023	Field Duplicate	V	-	R	<0.14	U	<1.5	UJ	<0.57	UJ	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK1	1/3/2023	Primary	V	-	R	<0.14	U	<1.5	UJ	<0.57	UJ	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK2	1/9/2023	Field Duplicate	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	UJ	<0.28	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	UJ	<0.29	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK3	1/16/2023	Field Duplicate	V	<0.085	U	<0.14	U	<1.5	UJ	<0.56	U	<7.5	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.085	U	<0.14	U	<1.5	UJ	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<0.086	U	<0.14	U	<1.5	UJ	<0.57	UJ	<7.6	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK2	2/13/2023	Field Duplicate	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	UJ	<0.14	U	<0.29	U	<0.14	UJ	<0.29	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	UJ	<0.14	U	<0.29	U	<0.14	UJ	<0.29	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK3	2/24/2023	Field Duplicate	V	<0.087	U	<0.15	U	<1.6	U	<0.58	U	<7.8	U	<0.29	U	<0.29	U	<0.15	U	<0.29	U	<0.15	UJ	<0.29	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.5	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.15	UJ	<0.29	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK4	2/27/2023	Field Duplicate	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	UJ	<0.29	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	UJ	<0.29	UJ	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW08A

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L										
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Maximum							ND	ND	ND	ND	ND	ND	ND	0.068	ND	ND	ND	ND										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK2	11/18/2022	Field Duplicate	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK2	11/18/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2211WK3	11/20/2022	Field Duplicate	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK3	12/22/2022	Field Duplicate	V	<0.14	UJ	<0.28	UJ	<0.28	UJ	<0.085	UJ	-	R	<0.14	U	<0.085	UJ	<0.14	UJ	<0.95	UJ	<0.57	UJ	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.14	UJ	<0.28	UJ	<0.28	UJ	<0.085	UJ	-	R	<0.14	U	<0.085	UJ	<0.14	UJ	<0.95	UJ	<0.57	UJ	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK4	12/27/2022	Field Duplicate	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK1	1/3/2023	Field Duplicate	V	<0.14	U	<0.29	UJ	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.14	U	<0.29	UJ	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK2	1/9/2023	Field Duplicate	V	<0.14	UJ	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.14	UJ	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK3	1/16/2023	Field Duplicate	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	UJ	<0.56	U	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	UJ	<0.57	U	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK2	2/13/2023	Field Duplicate	V	<0.14	UJ	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.14	UJ	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK3	2/24/2023	Field Duplicate	V	<0.15	UJ	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.15	UJ	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.94	U	<0.57	U	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK4	2/27/2023	Field Duplicate	V	<0.14	UJ	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.14	UJ	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: Sump Adit 3

Analyte							1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	
CAS No.							120-82-1	95-50-1	541-73-1	106-46-7	95-95-4	88-06-2	120-83-2	105-67-9	51-28-5	121-14-2	606-20-2	
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C
DOH Tier 1 EAL							70	10	5	5	1.9	4.9	0.3	120	14	0.25	0.05	
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK1	11/8/2022	Primary	V	<0.3 U	<0.15 U	<0.089 U	<0.089 U	<0.3 U	<0.3 U	<0.49 U	<0.49 U	<1.2 UJ	<0.3 U	<0.3 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK1	11/10/2022	Primary	V	<0.29 U	<0.15 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	– R	<0.29 U	<0.29 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK2	11/15/2022	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 U	<0.29 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK2	11/17/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	– R	<0.29 U	<0.29 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK4	12/1/2022	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 U	<0.28 U	<0.28 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK3	12/21/2022	Primary	V	<0.29 U	<0.14 UJ	<0.086 UJ	<0.086 UJ	<0.29 U	<0.29 U	<0.48 U	<0.48 UJ	<1.1 UJ	<0.29 U	<0.29 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK4	12/29/2022	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.1 U	<0.29 U	<0.29 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK2	1/11/2023	Primary	V	<0.29 U	<0.15 U	<0.088 U	<0.088 U	<0.29 U	<0.29 U	<0.49 U	<0.49 U	<1.2 U	<0.29 U	<0.29 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK3	1/18/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	– R	– R	– R	– R	<0.48 U	– R	<0.29 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK4	1/26/2023	Primary	V	<0.29 U	<0.15 U	<0.087 U	<0.087 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 U	<0.29 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK2	2/15/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 U	<0.29 U	<0.48 U	<0.48 U	<1.2 U	<0.29 U	<0.29 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK3	2/22/2023	Primary	V	<0.29 U	<0.15 U	<0.088 U	<0.088 U	<0.29 U	<0.29 U	<0.49 U	<0.49 U	<1.2 U	<0.29 U	<0.29 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK4	3/1/2023	Primary	V	<0.28 U	<0.14 U	<0.085 U	<0.085 U	<0.28 U	<0.28 U	<0.47 U	<0.47 U	<1.1 U	<0.28 U	<0.28 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: Sump Adit 3

Analyte							2-Chloronaphthalene	2-Chlorophenol	2-Nitrophenol	3,3'-Dichlorobenzidine	4,6-Dinitro-2-methylphenol	4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol	4-Chlorophenyl phenyl ether	4-Nitrophenol	Azobenzene	bis-(2-chloroethoxy)Methane											
CAS No.							91-58-7	95-57-8	88-75-5	91-94-1	534-52-1	101-55-3	59-50-7	7005-72-3	100-02-7	103-33-3	111-91-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							-	0.18	-	0.17	-	-	-	-	-	-	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result					
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.3	U	<1.2	UJ	<0.15	U	<0.3	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	UJ	-	R	<0.15	U	<0.29	U	<0.15	U	-	R	<0.15	U	<0.15	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	UJ	<1.2	UJ	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK4	12/1/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK3	12/21/2022	Primary	V	<0.14	U	<0.14	UJ	<0.14	U	<0.29	UJ	<1.1	U	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	UJ
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK4	12/29/2022	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK2	1/11/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK3	1/18/2023	Primary	V	<0.14	U	<0.14	U	-	R	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	UJ	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK2	2/15/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.2	U	<0.14	U	<0.29	U	<0.14	U	<5.8	U	<0.14	U	<0.14	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK3	2/22/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.29	U	<1.2	U	<0.15	U	<0.29	U	<0.15	U	-	R	<0.15	U	<0.15	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK4	3/1/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.28	U	<1.1	U	<0.14	U	<0.28	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: Sump Adit 3

							Analyte	bis-(2-chloroethyl)Ether		bis-(2-chloroisopropyl)Ether		bis-(2-ethylhexyl)Phthalate		Butylbenzylphthalate		Di-n-butyl phthalate		Di-n-octyl phthalate		Diethyl phthalate		Dimethyl phthalate		Hexachlorobenzene		Hexachlorobutadiene		Hexachlorocyclopentadiene		
							CAS No.	111-44-4		108-60-1		117-81-7		85-68-7		84-74-2		117-84-0		84-66-2		131-11-3		118-74-1		87-68-3		77-47-4		
							Method	SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C		
							DOH Tier 1 EAL	0.014		-		3		-		-		-		210		1100		0.0003		0.2		-		
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
							Maximum	ND		ND		8		0.42		ND		ND		ND		0.23		ND		ND		ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK1	11/8/2022	Primary	V	<0.089	U	<0.15	U	<1.6	U	<0.59	U	<7.9	U	<0.3	UJ	<0.3	U	<0.15	U	<0.3	U	<0.15	U	<0.3	U		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK1	11/10/2022	Primary	V	<0.087	U	<0.15	U	0.96	J	0.42	J	<7.7	U	<0.29	U	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK2	11/15/2022	Primary	V	<0.087	U	<0.14	U	<1.5	U	<0.58	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK2	11/17/2022	Primary	V	<0.086	U	<0.14	UJ	<1.5	U	<0.57	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK4	12/1/2022	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	UJ		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK3	12/21/2022	Primary	V	<0.086	UJ	<0.14	U	<1.5	UJ	<0.57	U	<7.7	U	<0.29	UJ	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	UJ		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK4	12/29/2022	Primary	V	<0.086	U	<0.14	U	8		<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	UJ		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK2	1/11/2023	Primary	V	<0.088	U	<0.15	U	<1.6	U	<0.59	U	<7.8	U	<0.29	U	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK3	1/18/2023	Primary	V	<0.086	U	<0.14	U	2.9		<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK4	1/26/2023	Primary	V	<0.087	U	<0.15	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK2	2/15/2023	Primary	V	<0.086	U	<0.14	U	0.83	J	<0.58	U	<7.7	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK3	2/22/2023	Primary	V	<0.088	U	<0.15	U	<1.6	U	<0.58	U	<7.8	U	<0.29	U	<0.29	U	<0.29	U	0.23	J	<0.29	U	<0.15	U	<0.29	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK4	3/1/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U	<0.14	U	<0.28	U		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: Sump Adit 3

Analyte							Hexachloroethane	Isophorone	m+p-Cresols	n-Nitroso-di-n-propylamine	n-Nitrosodimethylamine	n-Nitrosodiphenylamine	Nitrobenzene	o-Cresol	Pentachlorophenol	Phenol	Pyridine											
CAS No.							67-72-1	78-59-1	15831-10-4	621-64-7	62-75-9	86-30-6	98-95-3	95-48-7	87-86-5	108-95-2	110-86-1											
Method							SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C	SW8270C										
DOH Tier 1 EAL							0.4	82	-	-	-	-	0.14	-	1	58	-											
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L											
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result							
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK1	11/8/2022	Primary	V	<0.15	U	<0.3	U	<0.3	U	<0.089	U	<0.3	U	<0.15	U	<0.089	U	<0.15	U	<0.99	U	<0.59	U	-	R
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK1	11/10/2022	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK2	11/15/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK2	11/17/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK4	12/1/2022	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	<0.28	U	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	<3	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK3	12/21/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	-	R	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.57	U	<3.1	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK4	12/29/2022	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.95	U	<0.57	U	<3.1	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK2	1/11/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	<0.29	U	<0.15	U	<0.088	U	<0.15	U	<0.98	U	<0.59	U	<3.1	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK3	1/18/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	-	R	<0.57	U	<3	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK4	1/26/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK2	2/15/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.086	U	<0.29	U	<0.14	U	<0.086	U	<0.14	U	<0.96	U	<0.58	U	<3.1	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK3	2/22/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.088	U	-	R	<0.15	U	<0.088	U	<0.15	U	<0.97	U	<0.58	U	-	R
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK4	3/1/2023	Primary	V	<0.14	U	<0.28	U	<0.28	U	<0.085	U	-	R	<0.14	U	<0.085	U	<0.14	U	<0.95	U	<0.57	U	-	R

Notes:
 See Data Legend

Appendix B.4.4 – GW Analytical Table_PAH_SIMs

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW01R

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)							
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8							
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM							
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06							
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L							
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND							
							Maximum	0.36	ND	0.18	0.035	ND	ND	0.079	0.04							
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result							
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK1	11/8/2022	Primary	V	<0.031	U	<0.077	U	0.11		0.018	J	<0.031	U	<0.077	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK1	11/10/2022	Primary	V	0.36		<0.077	U	0.18		0.023	J	<0.031	U	<0.077	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK2	11/15/2022	Primary	V	<0.03	U	<0.076	U	0.11		0.021	J	<0.03	U	<0.076	U	<0.03	U	<0.03	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/17/2022	Primary	V	0.026	J	<0.076	U	0.12	J	0.035	J	<0.03	U	<0.076	U	0.022	J	<0.03	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK3	11/20/2022	Primary	V	<0.031	U	<0.076	U	0.13		0.023	J	<0.031	U	<0.076	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK4	11/29/2022	Primary	V	<0.031	U	<0.077	U	0.14		0.024	J	<0.031	U	<0.077	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK3	12/20/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	0.024	J	<0.031	U	<0.077	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK4	12/28/2022	Primary	V	0.032	J	<0.076	U	0.13		0.032	J	<0.031	U	<0.076	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK1	1/4/2023	Primary	V	<0.031	U	<0.077	U	0.13	J+	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK2	1/10/2023	Primary	V	0.028	J	<0.077	U	<0.077	U	0.023	J	<0.031	U	<0.077	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK3	1/17/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	0.026	J	<0.03	U	<0.075	U	<0.03	U	<0.03	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	0.033	J	<0.031	U	<0.077	U	0.079		0.04	J

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW01R

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	0.064	0.022	0.021	0.068	ND	0.13	0.027	0.032	0.12	0.13
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK1	11/8/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK1	11/10/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK2	11/15/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN02B-2211WK2	11/17/2022	Primary	V	<0.03 U	0.014 J	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.018 J	0.036 J	0.031 J
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK3	11/20/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2211WK4	11/29/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.019 J	<0.031 U	<0.077 U	<0.077 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK3	12/20/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.016 J	<0.031 U	<0.077 U	<0.077 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2212WK4	12/28/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.019 J	<0.031 U	<0.076 U	<0.076 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK1	1/4/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK2	1/10/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK3	1/17/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.017 J	<0.03 U	<0.075 U	<0.075 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2301WK4	1/24/2023	Primary	V	0.064	0.022 J	0.021 J	0.068 J	<0.031 U	0.13 J	0.027 J	0.032 J	0.12 J	0.13	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW02

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)			
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8			
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM			
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06			
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
							Minimum	4	1.4	4.2	0.16	ND	ND	ND	ND			
							Maximum	26	21	54	0.41	0.15	ND	0.12	0.069			
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result			
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	V	26	21	49	0.32	0.083	<0.076	U	<0.03	U	<0.03	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	V	22	8.9	33	0.23	J	<0.31	U	<0.78	U	<0.31	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	V	11	5.2	16	0.25		0.059		<0.076	U	<0.03	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	V	9	J	5.2	J	12	J	0.4	J-	<0.03	UJ	<0.076	UJ
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	V	8		3.5		9.3		0.26		0.065		<0.076	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	V	20		15		54		0.27		0.11		<0.076	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	V	6.9		3.4		11		0.24		0.058		<0.076	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	V	5.3	J	2.6	J	9.9	J	0.17		0.069	J	<0.076	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	V	4.4		1.4		4.2		0.16		0.038	J	<0.077	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	V	9.5		5.4		12		0.41		0.15		<0.077	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	V	11		6.9		18		0.35		0.15		<0.076	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	V	4		1.8		6.1		0.32		0.066		<0.075	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	V	9	J-	6.4	J-	14	J-	0.4	J-	<0.032	UJ	<0.079	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW02

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)	
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0	
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	0.083	0.034	0.043	0.09	ND	0.15	0.24	0.048	0.16	0.15	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK1	11/8/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.14	<0.03 U	<0.076 U	<0.076 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK1	11/10/2022	Primary	V	<0.31 U	<0.31 U	<0.31 U	<0.31 U	<0.31 U	<0.31 U	<0.31 U	<0.31 U	<0.31 U	<0.78 U	<0.78 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK2	11/15/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.13	<0.03 U	<0.076 U	<0.076 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN02B-2211WK2	11/17/2022	Primary	V	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	0.15 J-	<0.03 UJ	<0.076 UJ	<0.076 UJ	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK3	11/20/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.14	<0.03 U	<0.076 U	<0.076 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2211WK4	11/29/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.16	<0.031 U	<0.076 U	<0.076 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK2	12/14/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.15	<0.03 U	<0.076 U	<0.076 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK3	12/20/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.1	<0.03 U	0.061 J	<0.076 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2212WK4	12/28/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.098	<0.031 U	<0.077 U	<0.077 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK1	1/4/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.21	<0.031 U	0.068 J	<0.077 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK2	1/10/2023	Primary	V	0.048	0.019 J	0.017 J	0.049 J	<0.03 U	0.11 J	0.21	0.027 J	0.15	0.1		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK3	1/17/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.19	<0.03 U	0.055 J	<0.075 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2301WK4	1/24/2023	Primary	V	0.083 J-	0.034 J	0.043 J	0.09 J	<0.032 UJ	0.15 J	0.24 J-	0.048 J	0.16 J-	0.15 J-		

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW03

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)	
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8	
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	0.047	0.024	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK1	11/8/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK1	11/10/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.077	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK2	11/15/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.077	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK3	11/20/2022	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.075	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK4	11/29/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.077	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	V	<0.032	U	<0.08	U	<0.08	U	<0.032	U	<0.08	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK3	12/20/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.077	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK4	12/28/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.077	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK1	1/4/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK2	1/10/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK3	1/17/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.075	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK4	1/24/2023	Primary	V	<0.031	UJ	<0.078	UJ	<0.078	UJ	<0.031	UJ	<0.078	UJ

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW03

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	0.034	0.016	0.017	0.028	ND	0.07	ND	0.017	0.055	0.072
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK1	11/8/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK1	11/10/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK2	11/15/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN02B-2211WK2	11/17/2022	Primary	V	0.023 J	<0.031 U	0.011 J	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.032 J	0.038 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK3	11/20/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2211WK4	11/29/2022	Primary	V	0.014 J	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK1	12/9/2022	Primary	V	0.034 J	0.016 J	0.017 J	0.028 J	<0.032 U	0.07 J	<0.032 U	0.017 J	0.055 J	0.072 J	0.072 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK3	12/20/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2212WK4	12/28/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK1	1/4/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK2	1/10/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK3	1/17/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2301WK4	1/24/2023	Primary	V	0.018 J	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.028 J	<0.031 U	<0.031 U	0.035 J	<0.078 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW04

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)	
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8	
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	0.041	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2211WK1	11/7/2022	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2211WK1	11/7/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK1	11/9/2022	Field Duplicate	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK1	11/9/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK2	11/16/2022	Field Duplicate	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK2	11/16/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK1	12/7/2022	Field Duplicate	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK1	12/7/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK3	12/23/2022	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK3	12/23/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK4	12/30/2022	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK4	12/30/2022	Primary	V	<0.03	U	<0.076	U	0.041	J	<0.03	U	<0.03	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK1	1/6/2023	Field Duplicate	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK1	1/6/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK2	1/13/2023	Field Duplicate	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK2	1/13/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK3	1/20/2023	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK2	2/16/2023	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK2	2/16/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK3	2/23/2023	Field Duplicate	V	<0.033	U	<0.082	U	<0.082	U	<0.033	U	<0.033	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK3	2/23/2023	Primary	V	<0.033	U	<0.083	U	<0.083	U	<0.033	U	<0.033	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK4	3/2/2023	Field Duplicate	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK4	3/2/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW04

							Analyte	Benzo(b)fluoranthene (SIM)		Benzo(g,h,i)perylene (SIM)		Benzo(k)fluoranthene (SIM)		Chrysene (SIM)		Dibenzo(a,h)anthracene (SIM)		Fluoranthene (SIM)		Fluorene (SIM)		Indeno(1,2,3-cd)pyrene (SIM)		Phenanthrene (SIM)		Pyrene (SIM)	
							CAS No.	205-99-2		191-24-2		207-08-9		218-01-9		53-70-3		206-44-0		86-73-7		193-39-5		85-01-8		129-00-0	
							Method	8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM	
							DOH Tier 1 EAL	0.22		0.13		0.4		1		0.022		0.8		3.9		0.095		2.3		4.6	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2211WK1	11/7/2022	Field Duplicate	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2211WK1	11/7/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK1	11/9/2022	Field Duplicate	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U	<0.078	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK1	11/9/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD02B-2211WK2	11/16/2022	Field Duplicate	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U	<0.078	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN02B-2211WK2	11/16/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK1	12/7/2022	Field Duplicate	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.076	U	<0.076	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK1	12/7/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK3	12/23/2022	Field Duplicate	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK3	12/23/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2212WK4	12/30/2022	Field Duplicate	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2212WK4	12/30/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK1	1/6/2023	Field Duplicate	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.075	U	<0.075	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK1	1/6/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK2	1/13/2023	Field Duplicate	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U	<0.078	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK2	1/13/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK3	1/20/2023	Field Duplicate	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK3	1/20/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK2	2/16/2023	Field Duplicate	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK2	2/16/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK3	2/23/2023	Field Duplicate	V	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.082	U	<0.082	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK3	2/23/2023	Primary	V	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.083	U	<0.083	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2302WK4	3/2/2023	Field Duplicate	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2302WK4	3/2/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW05

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	0.021	ND	0.055	ND	ND	ND	0.036	0.02
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK1	11/8/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK1	11/10/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK2	11/15/2022	Primary	V	0.021 J	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	<0.03 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK2	11/17/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	0.02 J	<0.03 U	<0.03 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK3	11/20/2022	Primary	V	<0.03 U	<0.075 U	0.055 J	<0.03 U	<0.03 U	<0.075 U	<0.03 U	<0.03 U	<0.03 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK4	11/29/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	0.021 J	<0.03 U	<0.03 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK3	12/20/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	<0.03 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	V	<0.031 U	<0.076 U	<0.076 U	<0.031 U	<0.031 U	<0.076 U	<0.031 U	<0.031 U	<0.031 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK1	1/4/2023	Primary	V	<0.031 U	<0.076 U	<0.076 U	<0.031 U	<0.031 U	<0.076 U	0.015 J	<0.031 U	<0.031 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	V	<0.031 U	<0.076 U	<0.076 U	<0.031 U	<0.031 U	<0.076 U	0.036 J	0.02 J	0.02 J
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK3	1/17/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	0.015 J	<0.031 U	<0.031 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK4	1/24/2023	Primary	V	<0.034 U	<0.085 U	<0.085 U	<0.034 U	<0.034 U	<0.085 U	0.019 J	<0.034 U	<0.034 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW05

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)	
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0	
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	0.03	0.011	ND	0.029	ND	0.067	ND	0.014	0.063	0.062	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK1	11/8/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK1	11/10/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK2	11/15/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN02B-2211WK2	11/17/2022	Primary	V	0.014 J	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK3	11/20/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2211WK4	11/29/2022	Primary	V	0.019 J	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.035 J	<0.03 U	<0.03 U	0.029 J	0.034 J	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK3	12/20/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2212WK4	12/28/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK1	1/4/2023	Primary	V	0.012 J	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK2	1/10/2023	Primary	V	0.03 J	0.011 J	<0.031 U	0.029 J	<0.031 U	0.067 J	<0.031 U	0.014 J	0.063 J	0.062 J	0.062 J	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK3	1/17/2023	Primary	V	0.012 J	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2301WK4	1/24/2023	Primary	V	0.014 J	<0.034 U	<0.034 U	<0.034 U	<0.034 U	<0.034 U	0.022 J	<0.034 U	<0.034 U	<0.085 U	<0.085 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW06

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)	
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8	
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2211WK1	11/7/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK1	11/9/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK2	11/16/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK1	12/6/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK3	12/19/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK4	12/30/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK1	1/6/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK2	1/13/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK3	1/20/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK2	2/16/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK3	2/23/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK4	3/2/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW06

							Analyte	Benzo(b)fluoranthene (SIM)		Benzo(g,h,i)perylene (SIM)		Benzo(k)fluoranthene (SIM)		Chrysene (SIM)		Dibenzo(a,h)anthracene (SIM)		Fluoranthene (SIM)		Fluorene (SIM)		Indeno(1,2,3-cd)pyrene (SIM)		Phenanthrene (SIM)		Pyrene (SIM)	
							CAS No.	205-99-2		191-24-2		207-08-9		218-01-9		53-70-3		206-44-0		86-73-7		193-39-5		85-01-8		129-00-0	
							Method	8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM	
							DOH Tier 1 EAL	0.22		0.13		0.4		1		0.022		0.8		3.9		0.095		2.3		4.6	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2211WK1	11/7/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK1	11/9/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN02B-2211WK2	11/16/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK1	12/6/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK3	12/19/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2212WK4	12/30/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK1	1/6/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.075	U	<0.075	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK2	1/13/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.075	U	<0.075	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK3	1/20/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK2	2/16/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK3	2/23/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2302WK4	3/2/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW08

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)	
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8	
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	0.013	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2211WK1	11/7/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK1	11/9/2022	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK2	11/16/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK3	12/19/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK4	12/30/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK1	1/6/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK2	1/13/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK3	1/20/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK2	2/16/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK3	2/23/2023	Primary	V	<0.033	U	<0.083	U	<0.083	U	<0.033	U	<0.033	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK4	3/2/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW08

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2211WK1	11/7/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK1	11/9/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN02B-2211WK2	11/16/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK3	12/19/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2212WK4	12/30/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK1	1/6/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK2	1/13/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK3	1/20/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK2	2/16/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK3	2/23/2023	Primary	V	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.083 U	<0.083 U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2302WK4	3/2/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)	
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8	
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK1	11/9/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK2	11/16/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK3	11/19/2022	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK4	11/28/2022	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK3	12/23/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK4	12/27/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK1	1/3/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK2	1/9/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK3	1/16/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK4	1/23/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK2	2/13/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW09

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)	
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0	
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK1	11/9/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN02B-2211WK2	11/16/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK3	11/19/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2211WK4	11/28/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK3	12/23/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2212WK4	12/27/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK1	1/3/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK2	1/9/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK3	1/16/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2301WK4	1/23/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK2	2/13/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW10

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW10	Bailer	Eurofins Seattle	RHMW10-WGN01B-2212WK1	12/9/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW10

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)	
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0	
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW10	Bailer	Eurofins Seattle	RHMW10-WGN01B-2212WK1	12/9/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW12A

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)	
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8	
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK3	11/19/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.032	U	<0.079	U	<0.079	U	<0.032	U	<0.032	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW12A

							Analyte	Benzo(b)fluoranthene (SIM)		Benzo(g,h,i)perylene (SIM)		Benzo(k)fluoranthene (SIM)		Chrysene (SIM)		Dibenzo(a,h)anthracene (SIM)		Fluoranthene (SIM)		Fluorene (SIM)		Indeno(1,2,3-cd)pyrene (SIM)		Phenanthrene (SIM)		Pyrene (SIM)		
							CAS No.	205-99-2		191-24-2		207-08-9		218-01-9		53-70-3		206-44-0		86-73-7		193-39-5		85-01-8		129-00-0		
							Method	8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		
							DOH Tier 1 EAL	0.22		0.13		0.4		1		0.022		0.8		3.9		0.095		2.3		4.6		
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK3	11/19/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U	<0.078	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.076	U	<0.076	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.076	U	<0.076	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.079	U	<0.079	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW11-05

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)	
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8	
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK1	11/9/2022	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK2	11/16/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN02G-2211WK3	11/23/2022	Primary	V	<0.032	U	<0.079	U	<0.079	U	<0.032	U	<0.032	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK4	11/29/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK3	12/20/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK4	12/28/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK1	1/4/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK2	1/10/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK3	1/17/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK4	1/24/2023	Primary	V	<0.034	U	<0.085	U	<0.085	U	<0.034	U	<0.034	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK3	2/21/2023	Primary	V	<0.032	U	<0.081	U	<0.081	U	<0.032	U	<0.032	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK4	2/27/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW11-05

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK1	11/9/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK2	11/16/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN02G-2211WK3	11/23/2022	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.079 U	<0.079 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2211WK4	11/29/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK3	12/20/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2212WK4	12/28/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK1	1/4/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK2	1/10/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK3	1/17/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2301WK4	1/24/2023	Primary	V	<0.034 U	<0.034 U	<0.034 U	<0.034 U	<0.034 U	<0.034 U	<0.034 U	<0.034 U	<0.034 U	<0.085 U	<0.085 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK3	2/21/2023	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.081 U	<0.081 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK4	2/27/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW13-05

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN02G-2211WK2	11/16/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2211WK3	11/19/2022	Primary	V	<0.031 U	<0.076 U	<0.076 U	<0.031 U	<0.031 U	<0.076 U	<0.031 U	<0.031 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK3	12/21/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK4	12/29/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK1	1/5/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK2	1/11/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK3	1/18/2023	Primary	V	<0.03 U	<0.075 U	<0.075 U	<0.03 U	<0.03 U	<0.075 U	<0.03 U	<0.03 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK4	1/25/2023	Primary	V	<0.032 U	<0.079 U	<0.079 U	<0.032 U	<0.032 U	<0.079 U	<0.032 U	<0.032 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK4	2/28/2023	Primary	V	<0.031 U	<0.079 U	<0.079 U	<0.031 U	<0.031 U	<0.079 U	<0.031 U	<0.031 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW13-05

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)	
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0	
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN02G-2211WK2	11/16/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2211WK3	11/19/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK3	12/21/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2212WK4	12/29/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK1	1/5/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK2	1/11/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK3	1/18/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2301WK4	1/25/2023	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.079 U	<0.079 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK4	2/28/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.079 U	<0.079 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW14-03

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK1	11/9/2022	Primary	V	<0.032 U	<0.079 U	<0.079 U	<0.032 U	<0.032 U	<0.079 U	<0.032 U	<0.032 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2211WK2	11/15/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK2	11/17/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK3	11/23/2022	Primary	V	<0.031 U	<0.076 U	<0.076 U	<0.031 U	<0.031 U	<0.076 U	<0.031 U	<0.031 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK3	12/20/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK4	12/30/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK1	1/6/2023	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	<0.031 U	<0.078 U	<0.031 U	<0.031 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK2	1/12/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK3	1/19/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK4	1/26/2023	Primary	V	<0.032 U	<0.08 U	<0.08 U	<0.032 U	<0.032 U	<0.08 U	<0.032 U	<0.032 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK2	2/16/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK3	2/23/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW14-03

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)	
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0	
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	0.015	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK1	11/9/2022	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.079 U	<0.079 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2211WK2	11/15/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK2	11/17/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN02G-2211WK3	11/23/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK3	12/20/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2212WK4	12/30/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK1	1/6/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK2	1/12/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK3	1/19/2023	Primary	V	0.015 J	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2301WK4	1/26/2023	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.08 U	<0.08 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK2	2/16/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK3	2/23/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW15-05

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN02G-2211WK1	11/10/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK2	11/15/2022	Primary	V	<0.031 U	<0.076 U	<0.076 U	<0.031 U	<0.031 U	<0.076 U	<0.031 U	<0.031 U	<0.031 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK3	11/20/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK3	12/19/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK4	12/27/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	<0.03 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK1	1/3/2023	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	<0.031 U	<0.078 U	<0.031 U	<0.031 U	<0.031 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK2	1/9/2023	Primary	V	<0.031 U	<0.076 U	<0.076 U	<0.031 U	<0.031 U	<0.076 U	<0.031 U	<0.031 U	<0.031 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK3	1/16/2023	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	<0.03 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK4	1/23/2023	Primary	V	<0.031 U	<0.076 U	<0.076 U	<0.031 U	<0.031 U	<0.076 U	<0.031 U	<0.031 U	<0.031 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK2	2/13/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK3	2/20/2023	Primary	V	<0.033 U	<0.082 U	<0.082 U	<0.033 U	<0.033 U	<0.082 U	<0.033 U	<0.033 U	<0.033 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW15-05

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN02G-2211WK1	11/10/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK2	11/15/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2211WK3	11/20/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK3	12/19/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2212WK4	12/27/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK1	1/3/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK2	1/9/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK3	1/16/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2301WK4	1/23/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK2	2/13/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK3	2/20/2023	Primary	V	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.082 U	<0.082 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW16

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)					
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8					
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM					
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06					
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L					
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND					
							Maximum	ND	ND	ND	ND	0.011	ND	ND	0.011					
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result			
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U	<0.075	U	<0.03	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK4	1/25/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	0.011	J	<0.075	U	<0.03	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW16

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	0.016	ND	0.011	ND	ND	0.038	0.034	0.017	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK2	11/15/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2211WK4	11/29/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK2	12/16/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK3	12/20/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2212WK4	12/28/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK1	1/4/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK2	1/10/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK3	1/17/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2301WK4	1/25/2023	Primary	V	0.016 J	<0.03 U	0.011 J	<0.03 U	<0.03 U	0.038 J	0.034 J	0.017 J	<0.075 U	<0.075 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK2	2/14/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW17

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	0.38	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK1	11/8/2022	Primary	V	<0.032 U	<0.079 U	<0.079 U	<0.032 U	<0.032 U	<0.079 U	<0.032 U	<0.032 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN02B-2211WK1	11/10/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK2	11/15/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK3	11/20/2022	Primary	V	<0.03 U	<0.075 U	0.38 J	<0.03 U	<0.03 U	<0.075 U	<0.03 U	<0.03 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK4	11/30/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK1	12/7/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK3	12/21/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK4	12/30/2022	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	<0.031 U	<0.078 U	<0.031 U	<0.031 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK1	1/6/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK2	1/12/2023	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK3	1/19/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK4	1/26/2023	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	<0.031 U	<0.078 U	<0.031 U	<0.031 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK2	2/16/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK3	2/23/2023	Primary	V	<0.034 U	<0.085 U	<0.085 U	<0.034 U	<0.034 U	<0.085 U	<0.034 U	<0.034 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK4	3/2/2023	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	<0.031 U	<0.078 U	<0.031 U	<0.031 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW17

							Analyte	Benzo(b)fluoranthene (SIM)		Benzo(g,h,i)perylene (SIM)		Benzo(k)fluoranthene (SIM)		Chrysene (SIM)		Dibenzo(a,h)anthracene (SIM)		Fluoranthene (SIM)		Fluorene (SIM)		Indeno(1,2,3-cd)pyrene (SIM)		Phenanthrene (SIM)		Pyrene (SIM)		
							CAS No.	205-99-2		191-24-2		207-08-9		218-01-9		53-70-3		206-44-0		86-73-7		193-39-5		85-01-8		129-00-0		
							Method	8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		
							DOH Tier 1 EAL	0.22		0.13		0.4		1		0.022		0.8		3.9		0.095		2.3		4.6		
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK1	11/8/2022	Primary	V	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.079	U	<0.079	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN02B-2211WK1	11/10/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK2	11/15/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK3	11/20/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.075	U	<0.075	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2211WK4	11/30/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK1	12/7/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK3	12/21/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2212WK4	12/30/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U	<0.078	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK1	1/6/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK2	1/12/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK3	1/19/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2301WK4	1/26/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U	<0.078	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK2	2/16/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK3	2/23/2023	Primary	V	<0.034	U	<0.034	U	<0.034	U	<0.034	U	<0.034	U	<0.034	U	<0.034	U	<0.034	U	<0.034	U	<0.085	U	<0.085	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2302WK4	3/2/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U	<0.078	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW19

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK1	11/9/2022	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	<0.031 U	<0.078 U	<0.031 U	<0.031 U	<0.031 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK2	11/16/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2211WK4	11/28/2022	Primary	V	<0.03 U	<0.075 U	<0.075 U	<0.03 U	<0.03 U	<0.075 U	<0.03 U	<0.03 U	<0.03 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK3	12/23/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK4	12/27/2022	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	<0.031 U	<0.078 U	<0.031 U	<0.031 U	<0.031 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK1	1/3/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK2	1/9/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK3	1/16/2023	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	<0.03 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK4	1/23/2023	Primary	V	<0.031 U	<0.079 U	<0.079 U	<0.031 U	<0.031 U	<0.079 U	<0.031 U	<0.031 U	<0.031 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK2	2/13/2023	Primary	V	<0.032 U	<0.08 U	<0.08 U	<0.032 U	<0.032 U	<0.08 U	<0.032 U	<0.032 U	<0.032 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW19

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK1	11/9/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN02B-2211WK2	11/16/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2211WK4	11/28/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK3	12/23/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2212WK4	12/27/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK1	1/3/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK2	1/9/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK3	1/16/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2301WK4	1/23/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.079 U	<0.079 U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK2	2/13/2023	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.08 U	<0.08 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW2254-01

							Analyte	1-Methylnaphthalene		2-Methylnaphthalene		Naphthalene		Acenaphthene (SIM)		Acenaphthylene (SIM)		Anthracene (SIM)		Benzo(a)anthracene (SIM)		Benzo(a)pyrene (SIM)	
							CAS No.	90-12-0		91-57-6		91-20-3		83-32-9		208-96-8		120-12-7		56-55-3		50-32-8	
							Method	8270D SIM		8270D SIM		8270D SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM	
							DOH Tier 1 EAL	10		10		17		15		13		0.02		0.027		0.06	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		0.25		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK1	11/8/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2211WK1	11/8/2022	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U	<0.078	U	<0.031	U	<0.031	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2211WK2	11/15/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK2	11/17/2022	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U	<0.076	U	<0.031	U	<0.031	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK3	11/20/2022	Primary	V	<0.03	U	<0.075	U	0.25	J	<0.03	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2211WK3	11/20/2022	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK4	12/1/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2211WK4	12/1/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK2	12/15/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2212WK2	12/15/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK3	12/21/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2212WK3	12/21/2022	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U	<0.076	U	<0.031	U	<0.031	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK4	12/29/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2212WK4	12/29/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK2	1/11/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2301WK2	1/11/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK3	1/18/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2301WK3	1/18/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK4	1/26/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U	<0.078	U	<0.031	U	<0.031	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2301WK4	1/26/2023	Primary	V	<0.032	U	<0.08	U	<0.08	U	<0.032	U	<0.032	U	<0.08	U	<0.032	U	<0.032	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK2	2/15/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2302WK2	2/15/2023	Primary	V	<0.032	U	<0.08	U	<0.08	U	<0.032	U	<0.032	U	<0.08	U	<0.032	U	<0.032	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK3	2/22/2023	Primary	V	<0.033	U	<0.081	U	<0.081	U	<0.033	U	<0.033	U	<0.081	U	<0.033	U	<0.033	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2302WK3	2/22/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK4	3/1/2023	Primary	V	<0.032	U	<0.081	U	<0.081	U	<0.032	U	<0.032	U	<0.081	U	<0.032	U	<0.032	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2302WK4	3/1/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: RHMW2254-01

							Analyte	Benzo(b)fluoranthene (SIM)		Benzo(g,h,i)perylene (SIM)		Benzo(k)fluoranthene (SIM)		Chrysene (SIM)		Dibenzo(a,h)anthracene (SIM)		Fluoranthene (SIM)		Fluorene (SIM)		Indeno(1,2,3-cd)pyrene (SIM)		Phenanthrene (SIM)		Pyrene (SIM)	
							CAS No.	205-99-2		191-24-2		207-08-9		218-01-9		53-70-3		206-44-0		86-73-7		193-39-5		85-01-8		129-00-0	
							Method	8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM	
							DOH Tier 1 EAL	0.22		0.13		0.4		1		0.022		0.8		3.9		0.095		2.3		4.6	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	0.014		0.016		ND		ND		ND		ND		ND		0.019		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK1	11/8/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2211WK1	11/8/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U	<0.078	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK1	11/10/2022	Primary	V	<0.03	UJ	<0.03	UJ	<0.03	UJ	<0.03	U	<0.03	UJ	<0.03	U	<0.03	U	<0.03	UJ	<0.076	U	<0.076	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK1	11/10/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK2	11/15/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2211WK2	11/15/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN02B-2211WK2	11/17/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.076	U	<0.076	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN02LF-2211WK2	11/17/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK3	11/20/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.075	U	<0.075	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2211WK3	11/20/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.075	U	<0.075	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2211WK4	12/1/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2211WK4	12/1/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK2	12/15/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2212WK2	12/15/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK3	12/21/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	UJ	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2212WK3	12/21/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.076	U	<0.076	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2212WK4	12/29/2022	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	UJ	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2212WK4	12/29/2022	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	UJ	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK2	1/11/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2301WK2	1/11/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.075	U	<0.075	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK3	1/18/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2301WK3	1/18/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U	<0.077	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK4	1/26/2023	Primary	V	<0.031	U	<0.031	UJ	<0.031	U	<0.031	U	<0.031	UJ	<0.031	U	<0.031	U	<0.031	UJ	<0.078	U	<0.078	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2301WK4	1/26/2023	Primary	V	<0.032	U	<0.032	UJ	<0.032	U	<0.032	U	<0.032	UJ	<0.032	U	<0.032	U	<0.032	UJ	<0.08	U	<0.08	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK2	2/15/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2302WK2	2/15/2023	Primary	V	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.08	U	<0.08	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK3	2/22/2023	Primary	V	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.081	U	<0.081	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2302WK3	2/22/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.075	U	<0.075	U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2302WK4	3/1/2023	Primary	V	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.081	U	<0.081	U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2302WK4	3/1/2023	Primary	V	0.014	J	0.016	J	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	0.019	J	<0.077	U	<0.077	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW01

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK1	11/9/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK2	11/16/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	<0.03 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	<0.03 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK4	11/30/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK4	12/30/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	<0.03 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK1	1/6/2023	Primary	V	<0.03 U	<0.075 U	<0.075 U	<0.03 U	<0.03 U	<0.075 U	<0.03 U	<0.03 U	<0.03 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK2	1/12/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK3	1/19/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	<0.031 U	<0.078 U	<0.031 U	<0.031 U	<0.031 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK2	2/16/2023	Primary	V	<0.03 U	<0.075 U	<0.075 U	<0.03 U	<0.03 U	<0.075 U	<0.03 U	<0.03 U	<0.03 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK3	2/23/2023	Primary	V	<0.032 U	<0.081 U	<0.081 U	<0.032 U	<0.032 U	<0.081 U	<0.032 U	<0.032 U	<0.032 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK4	3/2/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U	<0.031 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW01

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK1	11/9/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK2	11/16/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2211WK4	11/30/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK3	12/21/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2212WK4	12/30/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK1	1/6/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK2	1/12/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK3	1/19/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2301WK4	1/26/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK2	2/16/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK3	2/23/2023	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.081 U	<0.081 U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2302WK4	3/2/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW04A

							Analyte	1-Methylnaphthalene		2-Methylnaphthalene		Naphthalene		Acenaphthene (SIM)		Acenaphthylene (SIM)		Anthracene (SIM)		Benzo(a)anthracene (SIM)		Benzo(a)pyrene (SIM)	
							CAS No.	90-12-0		91-57-6		91-20-3		83-32-9		208-96-8		120-12-7		56-55-3		50-32-8	
							Method	8270D SIM		8270D SIM		8270D SIM		8270SIM		8270SIM		8270SIM		8270SIM		8270SIM	
							DOH Tier 1 EAL	10		10		17		15		13		0.02		0.027		0.06	
							Units	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND	
							Maximum	ND		ND		ND		ND		ND		ND		ND		ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK3	12/19/2022	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK4	12/29/2022	Field Duplicate	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U	<0.076	U	<0.031	U	<0.031	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U	<0.078	U	<0.031	U	<0.031	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK1	1/5/2023	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK2	1/11/2023	Field Duplicate	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK3	1/18/2023	Field Duplicate	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK4	1/24/2023	Field Duplicate	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U	<0.078	U	<0.031	U	<0.031	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK1	3/10/2023	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW04A

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)	
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0	
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6	
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK3	12/19/2022	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2212WK4	12/29/2022	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK1	1/5/2023	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK2	1/11/2023	Field Duplicate	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK3	1/18/2023	Field Duplicate	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2301WK4	1/24/2023	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK1	3/10/2023	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW05A

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)							
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8							
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM							
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06							
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L							
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND							
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND							
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.032	U	<0.081	U	<0.081	U	<0.032	U	<0.032	U	<0.081	U	<0.032	U	<0.032	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW05A

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK3	12/19/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2212WK4	12/29/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK2	1/11/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK3	1/18/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2301WK4	1/24/2023	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.081 U	<0.081 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK1	3/10/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW07A

Analyte							1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)
CAS No.							90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8
Method							8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
DOH Tier 1 EAL							10	10	17	15	13	0.02	0.027	0.06
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Minimum							ND	ND	ND	ND	ND	ND	ND	ND
Maximum							ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.031 U	<0.076 U	<0.076 U	<0.031 U	<0.031 U	<0.076 U	<0.031 U	<0.031 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	<0.031 U	<0.078 U	<0.031 U	<0.031 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.032 U	<0.079 U	<0.079 U	<0.032 U	<0.032 U	<0.079 U	<0.032 U	<0.032 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.03 U	<0.075 U	<0.075 U	<0.03 U	<0.03 U	<0.075 U	<0.03 U	<0.03 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.032 U	<0.081 U	<0.081 U	<0.032 U	<0.032 U	<0.081 U	<0.032 U	<0.032 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW07A

Analyte							Benzo(b)fluoranthene (SIM)	Benzo(g,h)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
CAS No.							205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0
Method							8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
DOH Tier 1 EAL							0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2211WK1	11/8/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.079 U	<0.079 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.081 U	<0.081 U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW08A

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)					
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8					
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM					
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06					
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L					
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND					
							Maximum	ND	ND	0.053	ND	ND	ND	ND	ND					
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result					
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK2	11/18/2022	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK2	11/18/2022	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2211WK3	11/20/2022	Field Duplicate	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.076	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.031	U	<0.077	U	0.053	J	<0.031	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.076	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK3	12/22/2022	Field Duplicate	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK4	12/27/2022	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK1	1/3/2023	Field Duplicate	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.076	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK2	1/9/2023	Field Duplicate	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.076	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK3	1/16/2023	Field Duplicate	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.076	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK2	2/13/2023	Field Duplicate	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK3	2/24/2023	Field Duplicate	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.078	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.075	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK4	2/27/2023	Field Duplicate	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Groundwater Sampling: OWDFMW08A

							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	0.015	ND	ND	ND	ND	ND	ND	0.014	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK2	11/18/2022	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK2	11/18/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2211WK3	11/20/2022	Field Duplicate	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2211WK3	11/20/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD02LF-2211WK3	11/23/2022	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN02LF-2211WK3	11/23/2022	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK3	12/22/2022	Field Duplicate	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK3	12/22/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2212WK4	12/27/2022	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2212WK4	12/27/2022	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK1	1/3/2023	Field Duplicate	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK1	1/3/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK2	1/9/2023	Field Duplicate	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK2	1/9/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK3	1/16/2023	Field Duplicate	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK3	1/16/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2301WK4	1/23/2023	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2301WK4	1/23/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK2	2/13/2023	Field Duplicate	V	0.015 J	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.014 J	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK2	2/13/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK3	2/24/2023	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.078 U	<0.078 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK3	2/24/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.075 U	<0.075 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2302WK4	2/27/2023	Field Duplicate	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2302WK4	2/27/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U

Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Water Sampling: Sump Adit 3

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Acenaphthene (SIM)	Acenaphthylene (SIM)	Anthracene (SIM)	Benzo(a)anthracene (SIM)	Benzo(a)pyrene (SIM)
							CAS No.	90-12-0	91-57-6	91-20-3	83-32-9	208-96-8	120-12-7	56-55-3	50-32-8
							Method	8270D SIM	8270D SIM	8270D SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM
							DOH Tier 1 EAL	10	10	17	15	13	0.02	0.027	0.06
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND
							Maximum	0.1	0.072	0.053	0.14	0.072	0.49	4.5	4.1
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK1	11/8/2022	Primary	V	<0.032 U	<0.079 U	<0.079 U	<0.032 U	<0.032 U	<0.079 U	0.053	0.1	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK1	11/10/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	0.013 J	0.056 J	0.62	0.68	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK2	11/15/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	0.058	0.055 J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK2	11/17/2022	Primary	V	0.029 J	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	0.16	0.15	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK4	12/1/2022	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	0.0085 J	0.021 J	0.17	0.17	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK3	12/21/2022	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	0.094	0.13	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK4	12/29/2022	Primary	V	0.1	0.072 J	0.053 J	0.14	0.072	0.49	4.5	4.1	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK2	1/11/2023	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	<0.031 U	<0.078 U	<0.031 U	<0.031 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK3	1/18/2023	Primary	V	<0.03 U	<0.076 U	<0.076 U	0.04 J	<0.03 U	0.23	1.7	1.8	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK4	1/26/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	0.026 J	0.027 J	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK2	2/15/2023	Primary	V	0.023 J	<0.077 U	<0.077 U	0.021 J	0.014 J	0.15	1.3	1.2	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK3	2/22/2023	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	0.012 J	0.054 J	0.61	0.74	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK4	3/1/2023	Primary	V	0.018 J	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	<0.03 U	<0.03 U	

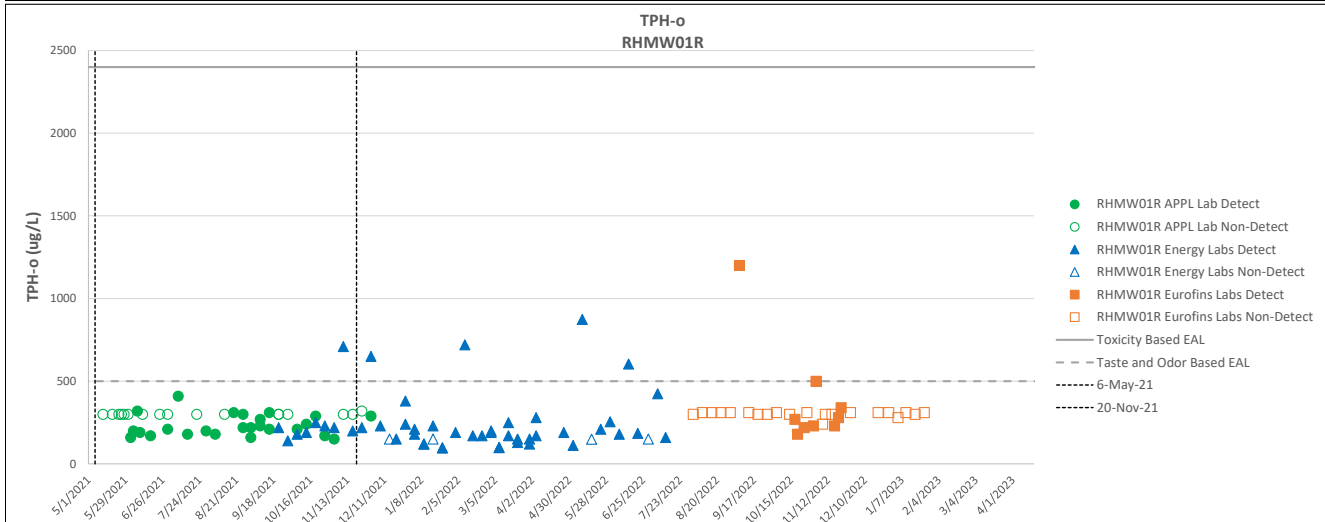
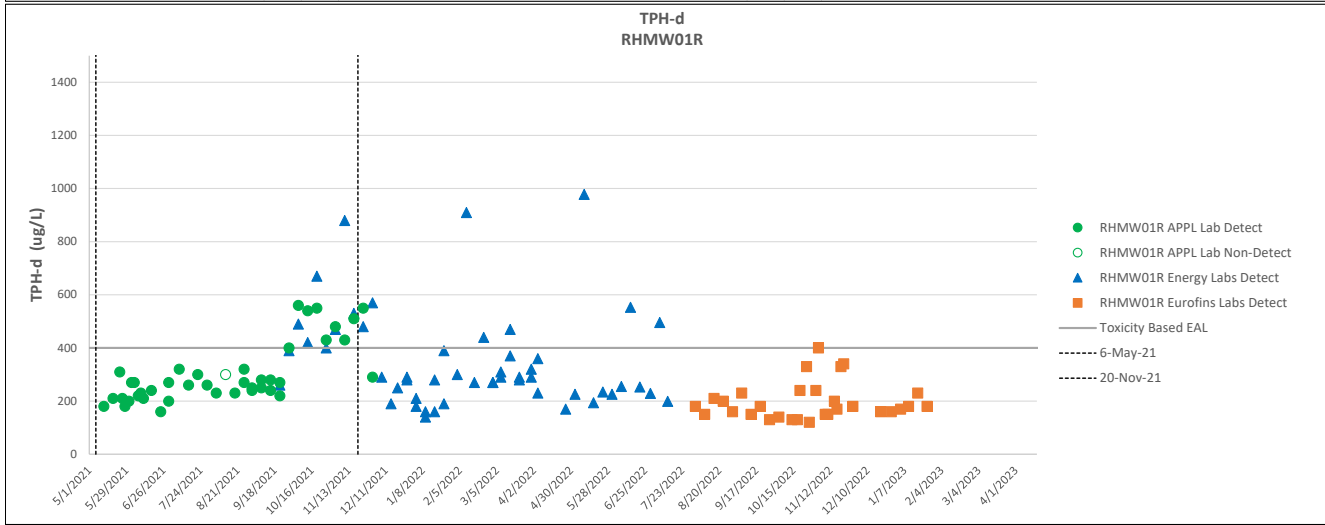
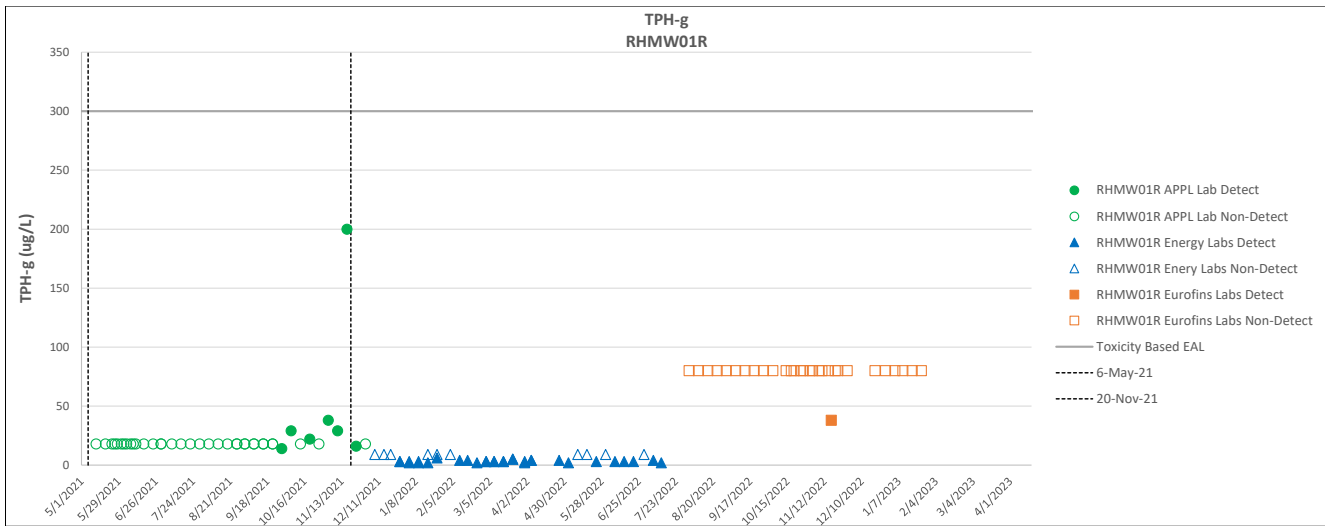
Notes:
 See Data Legend

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Water Sampling: Sump Adit 3

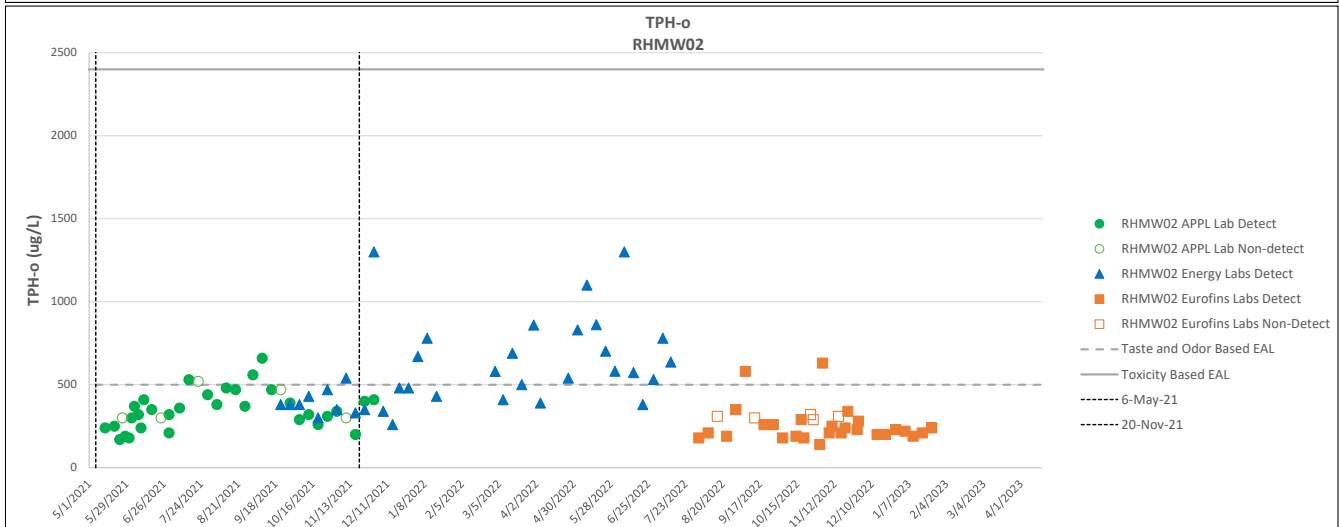
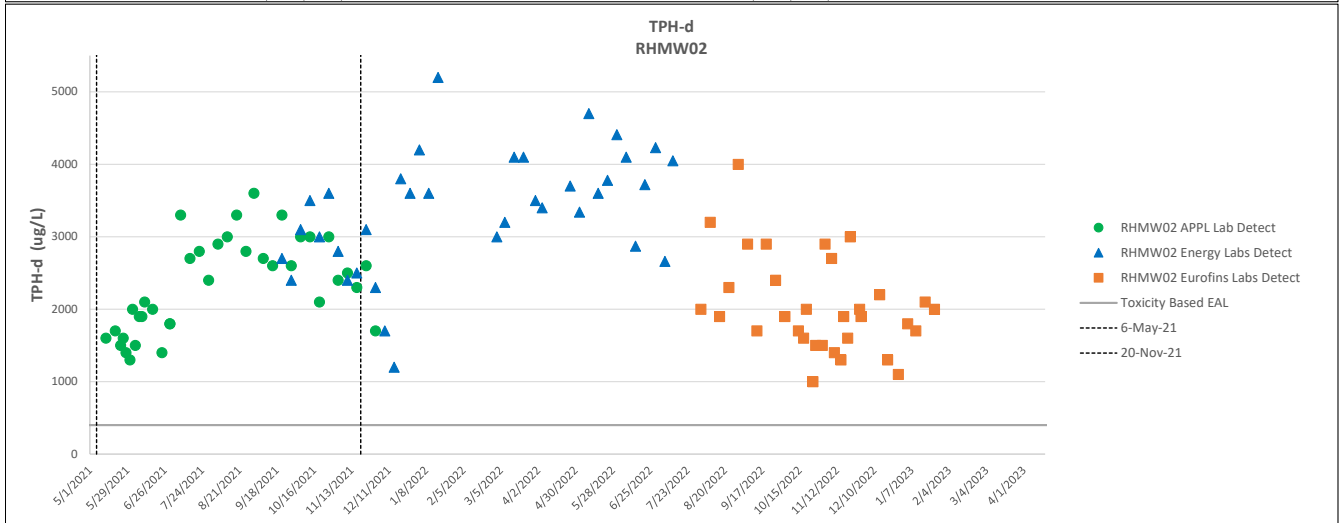
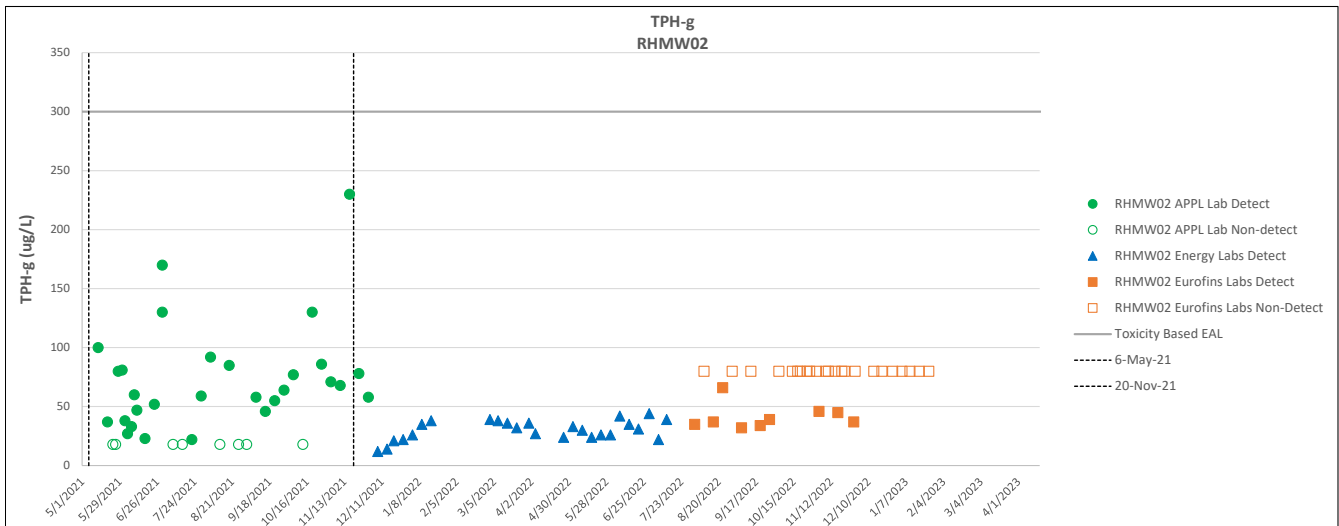
							Analyte	Benzo(b)fluoranthene (SIM)	Benzo(g,h,i)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)									
							CAS No.	205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	193-39-5	85-01-8	129-00-0									
							Method	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM	8270SIM								
							DOH Tier 1 EAL	0.22	0.13	0.4	1	0.022	0.8	3.9	0.095	2.3	4.6									
							Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L									
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
							Maximum	4.7	2.5	1.6	4.7	0.54	6.6	0.11	3.3	2.1	7									
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result									
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK1	11/8/2022	Primary	V	0.097	0.085	0.062	0.098	J	<0.032	U	0.13	J	<0.032	U	0.11	J	<0.079	U	0.22				
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK1	11/10/2022	Primary	V	0.75	0.48	0.31	0.72		0.17		1.1		<0.031	U	0.64		0.23		1.3				
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK2	11/15/2022	Primary	V	0.069	0.046	J 0.036	J 0.083	J	<0.031	U	0.12	J	<0.031	U	0.065		<0.077	U	0.15				
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN02B-2211WK2	11/17/2022	Primary	V	0.17	0.1	0.061	0.15		0.039	J	0.23		<0.031	U	0.12		0.073	J	0.28				
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2211WK4	12/1/2022	Primary	V	0.22	0.13	0.068	0.2		0.027	J	0.23		<0.03	U	0.15		0.062	J	0.25				
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK3	12/21/2022	Primary	V	0.14	0.095	0.061	0.14		<0.031	UJ	0.14	J	<0.031	U	0.12		0.044	J	0.16				
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2212WK4	12/29/2022	Primary	V	4.7	2.5	1.6	4.7		0.54		6.6		0.11		3.3		2.1		7				
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK2	1/11/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U	<0.078	U		
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK3	1/18/2023	Primary	V	2	1.1	0.89	2.2		<0.03	U	2.7		0.031	J	1.3		0.73		3				
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK4	1/26/2023	Primary	V	0.029	J	0.013	J	0.019	J	0.04	J	<0.031	UJ	0.04	J	<0.031	U	0.017	J	<0.077	U	0.043	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK2	2/15/2023	Primary	V	1.4	0.72	0.51	1.3		<0.031	U	1.8		0.019	J	1		0.38		2				
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK3	2/22/2023	Primary	V	0.94	0.48	0.33	0.78		0.11		0.8		<0.031	U	0.65		0.2		0.91				
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2302WK4	3/1/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U	<0.076	U		

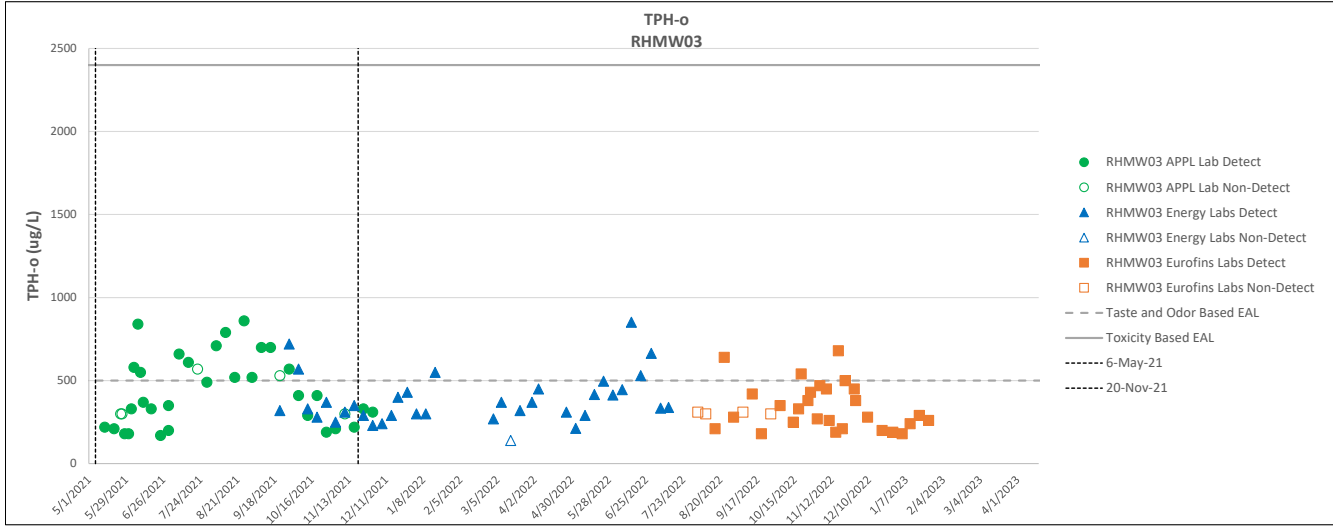
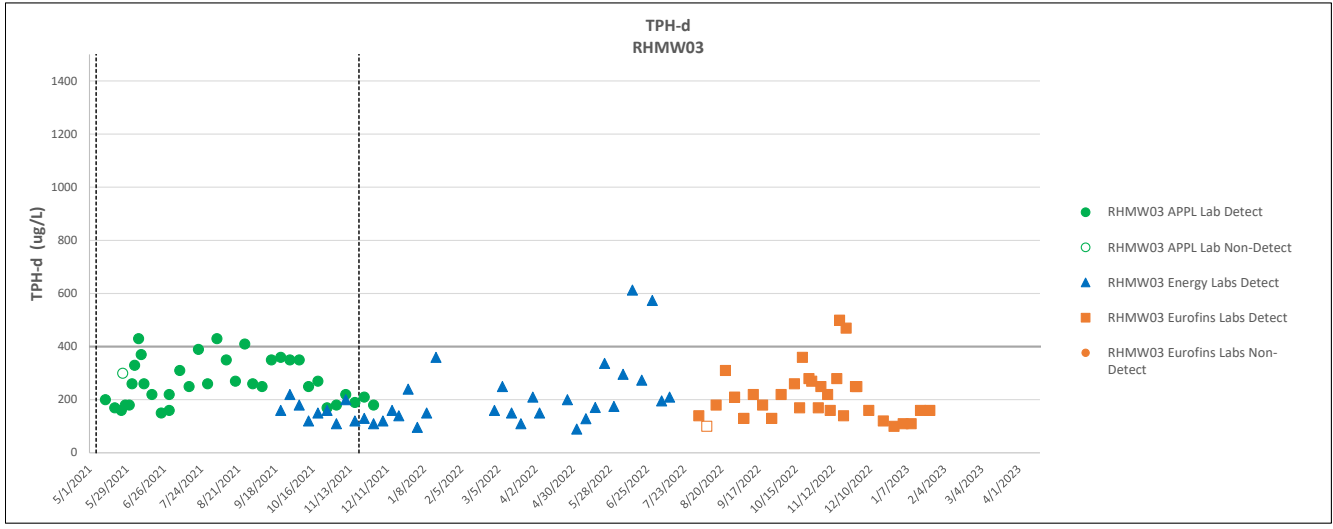
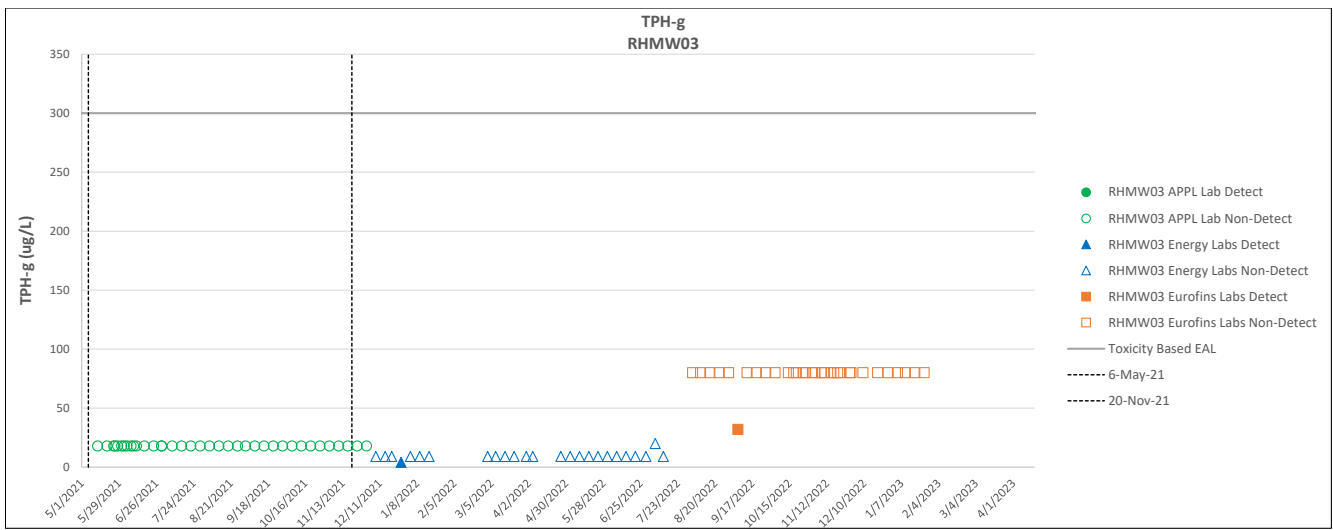
Notes:
 See Data Legend

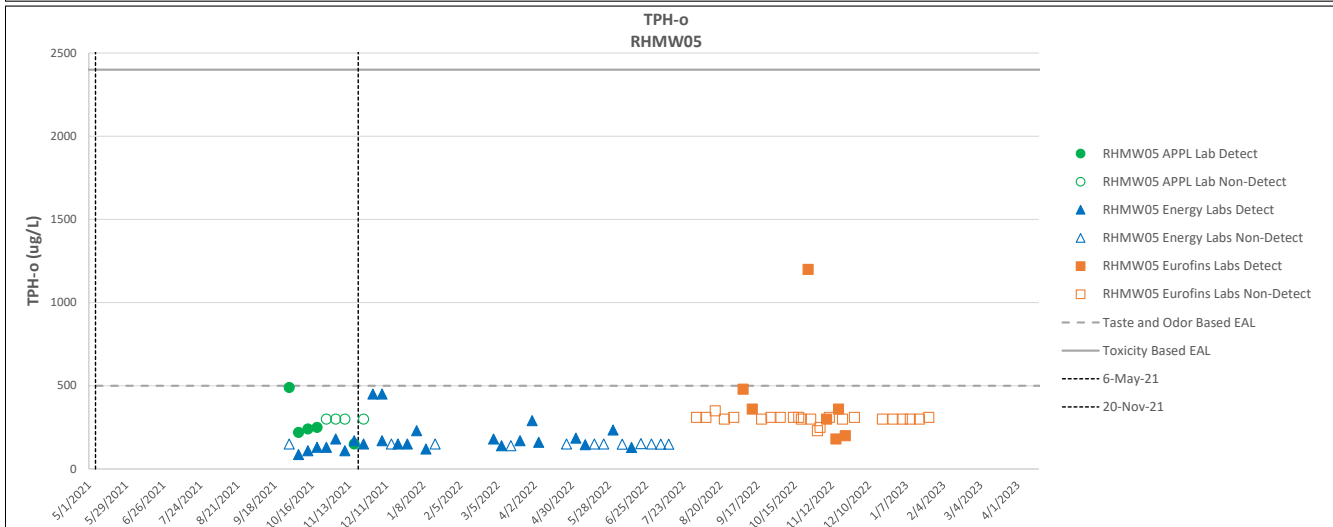
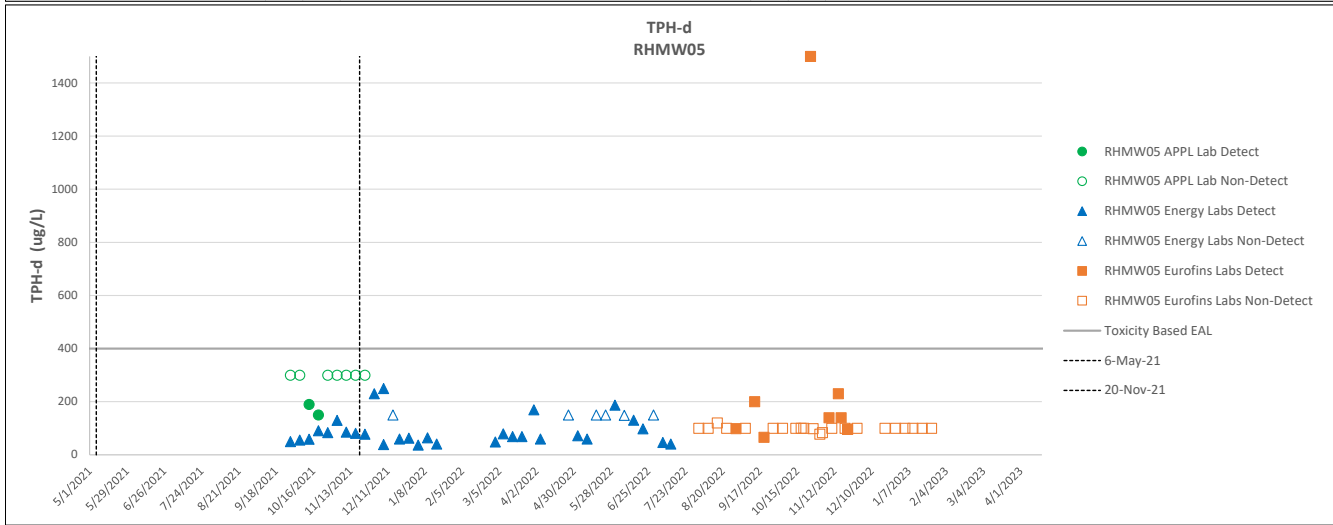
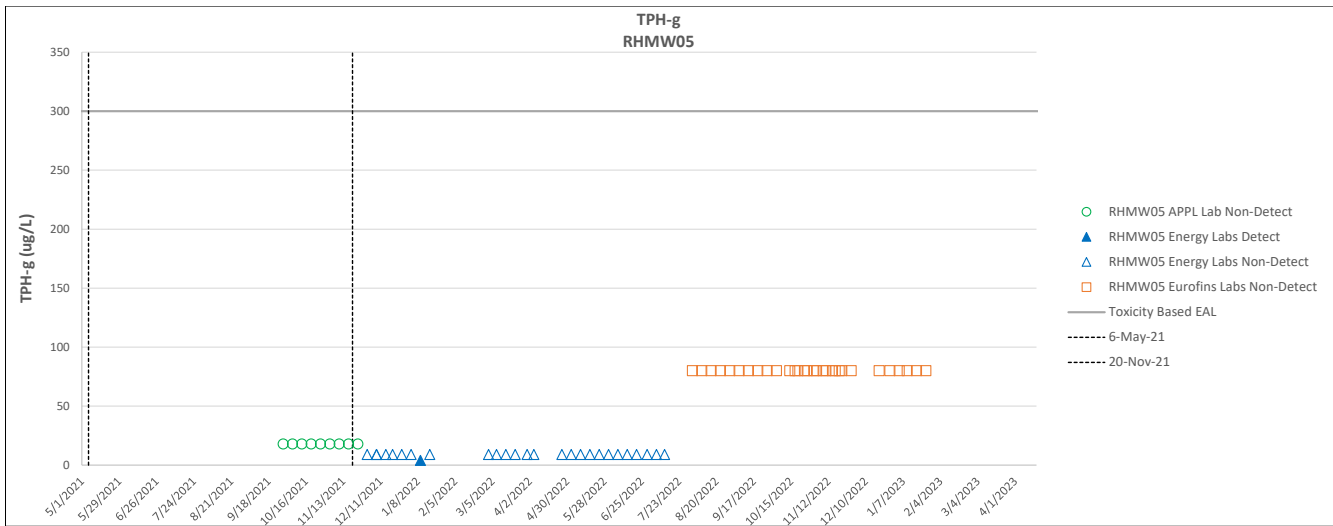
Appendix B.4.5 – TPH Charts

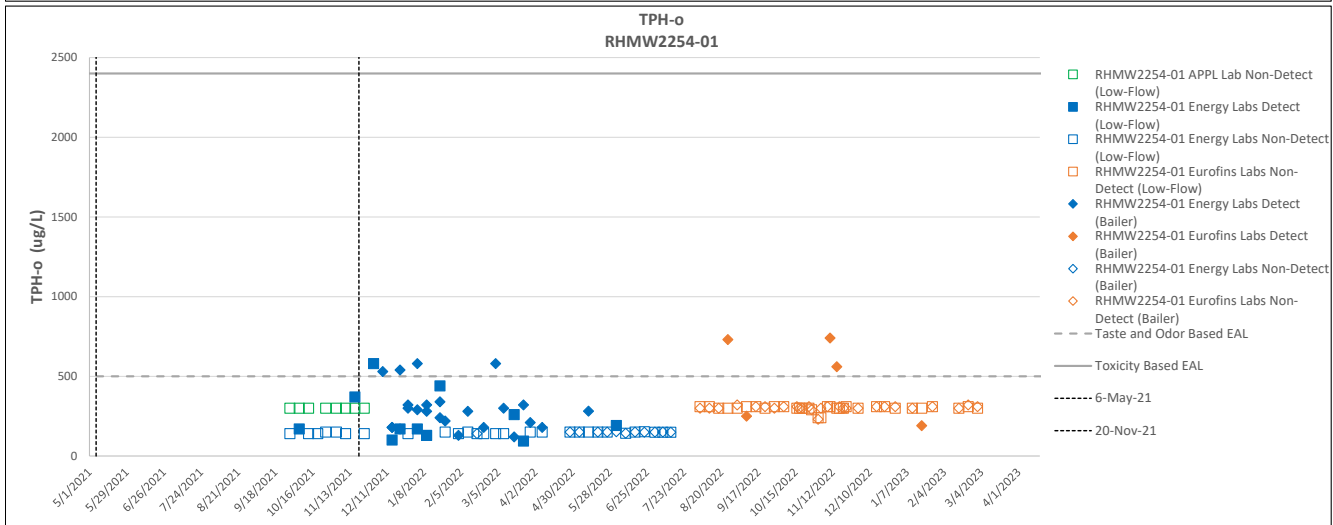
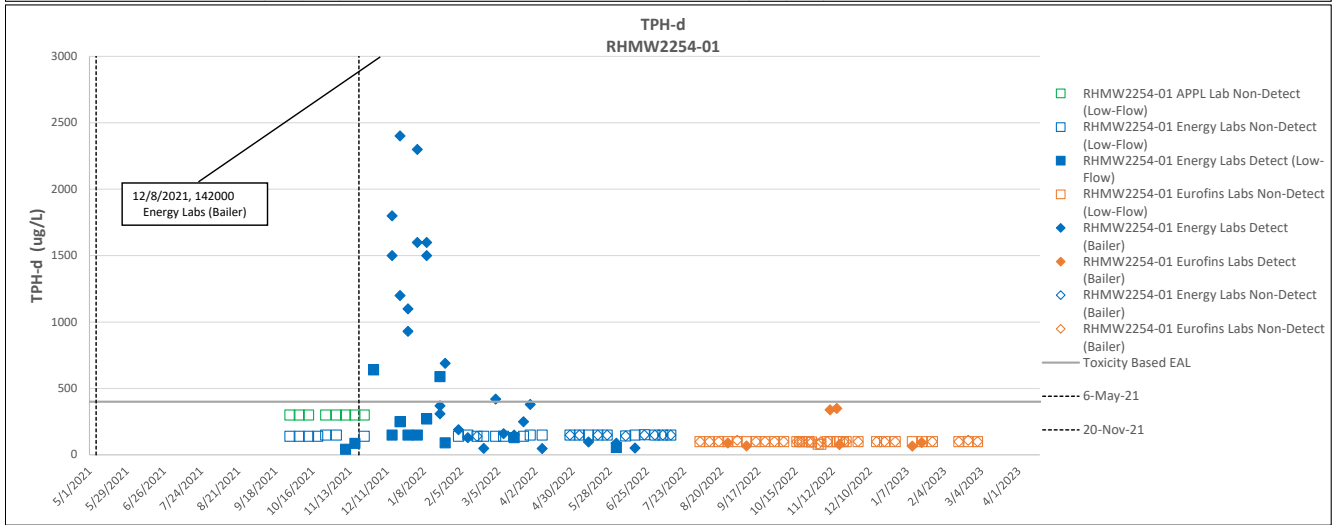
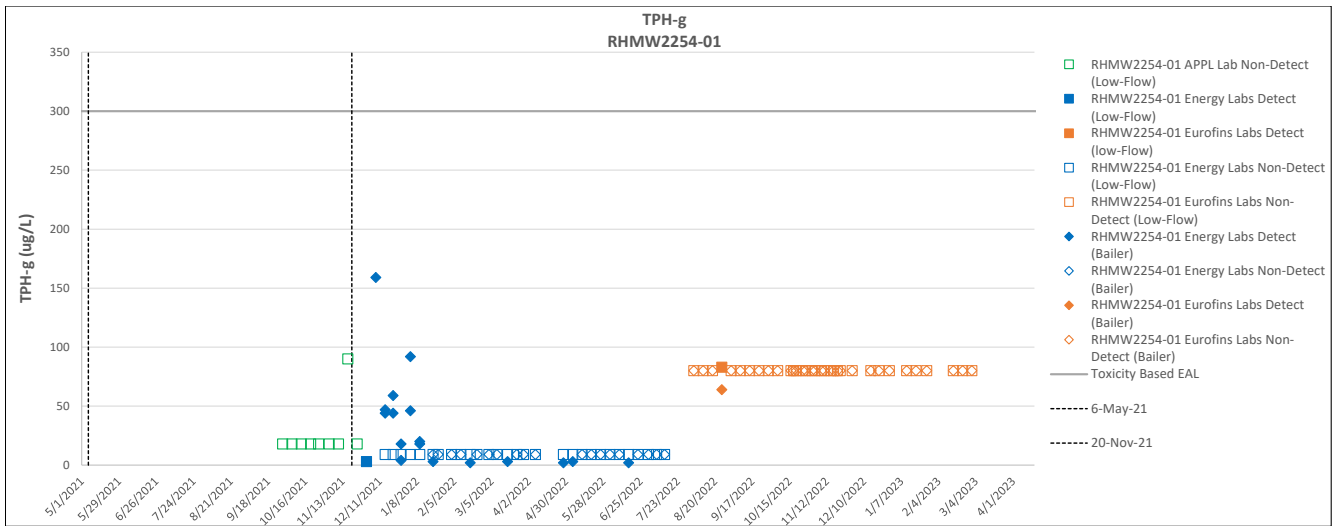


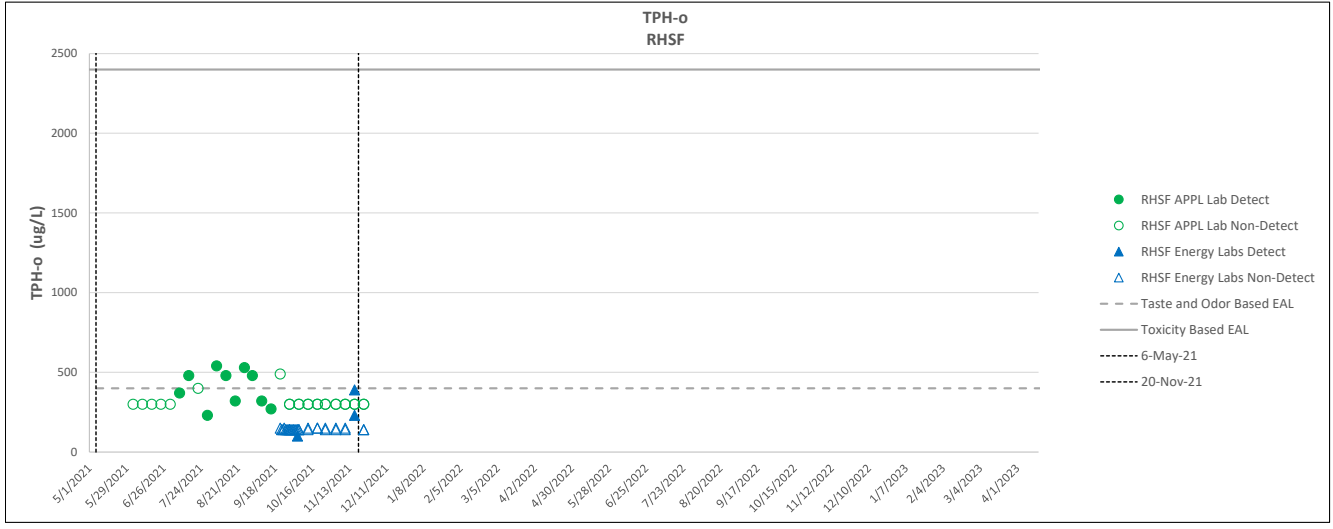
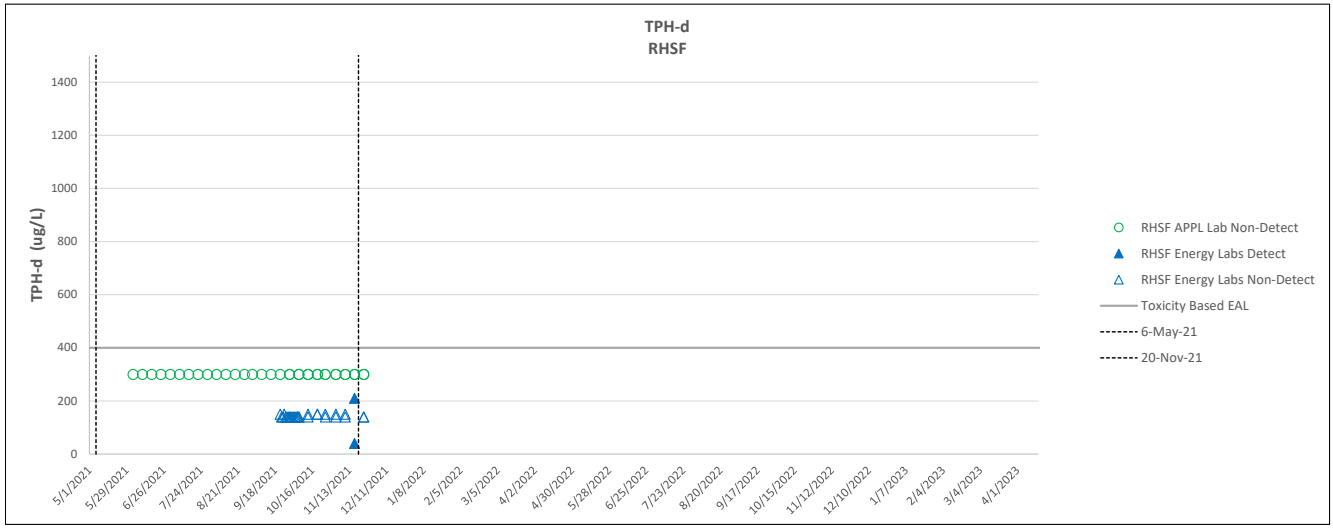
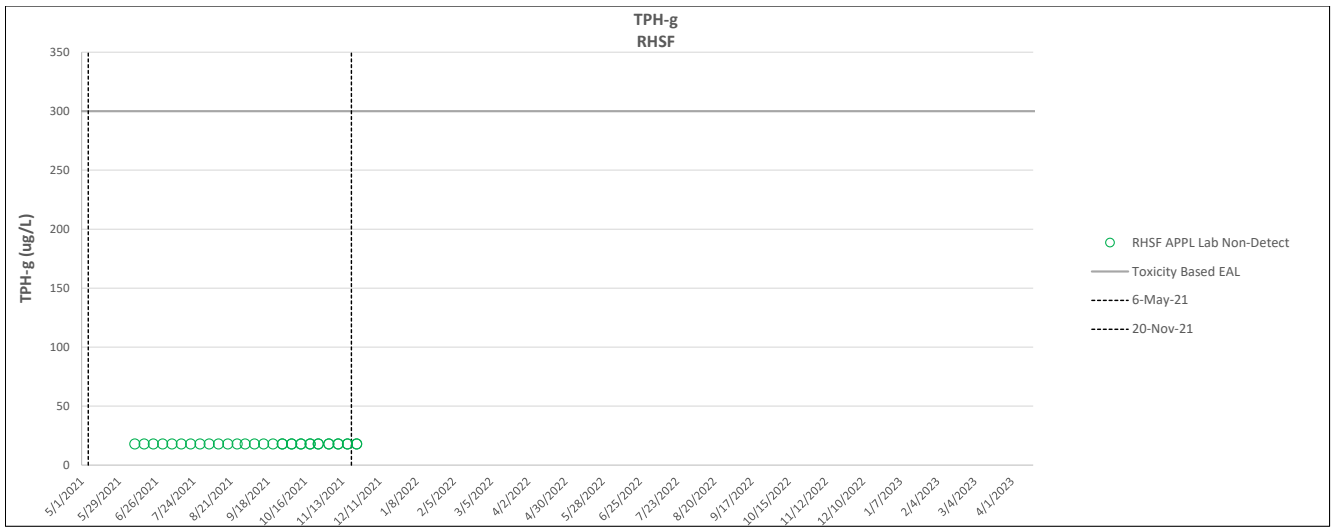
Notes:
¹ Sample collected on 12/20/2021 was reanalyzed due to inconsistency with historic trend and suspected container switch. Reanalysis results reported.

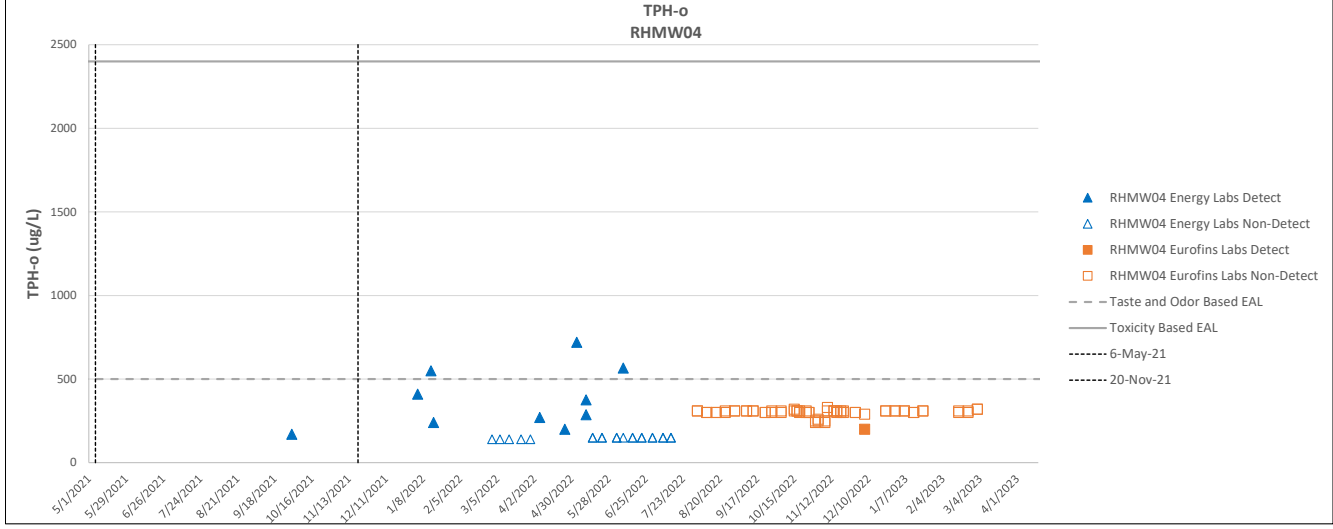
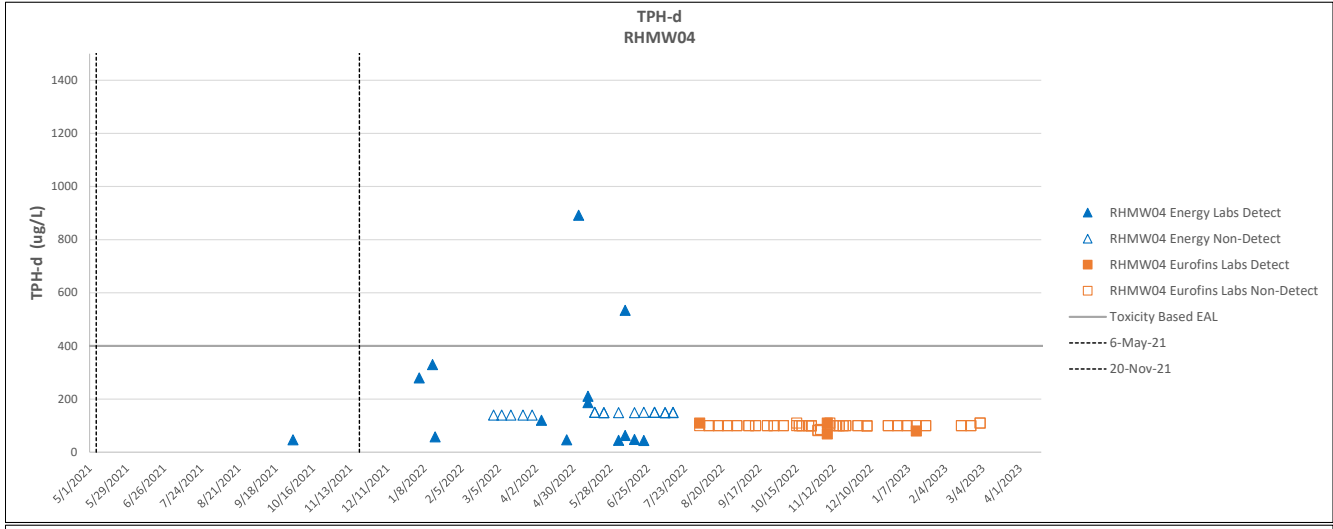
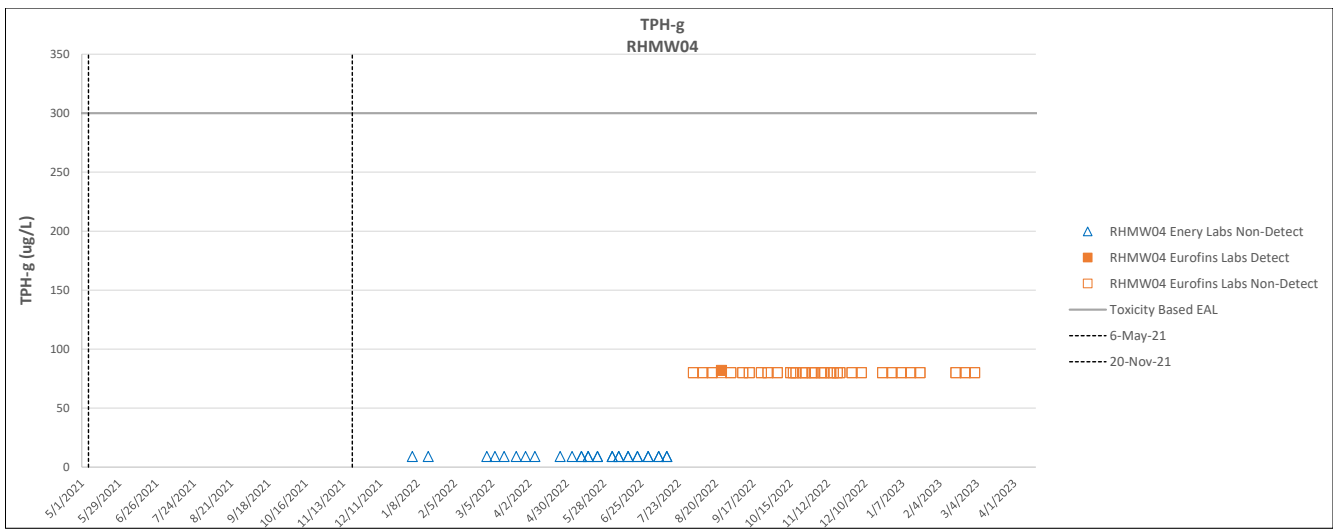


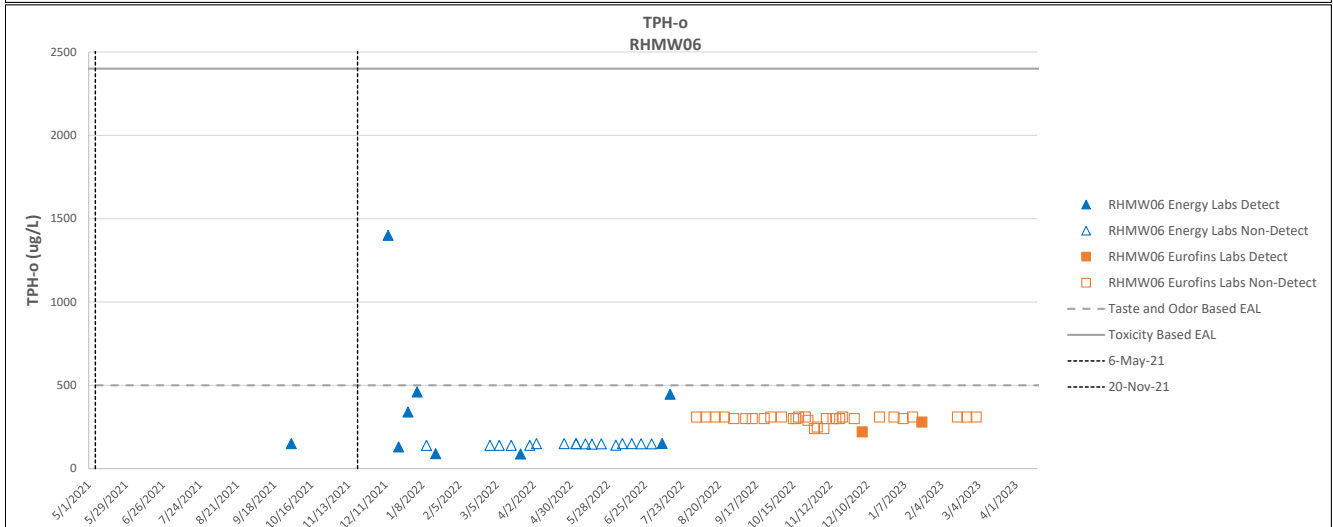
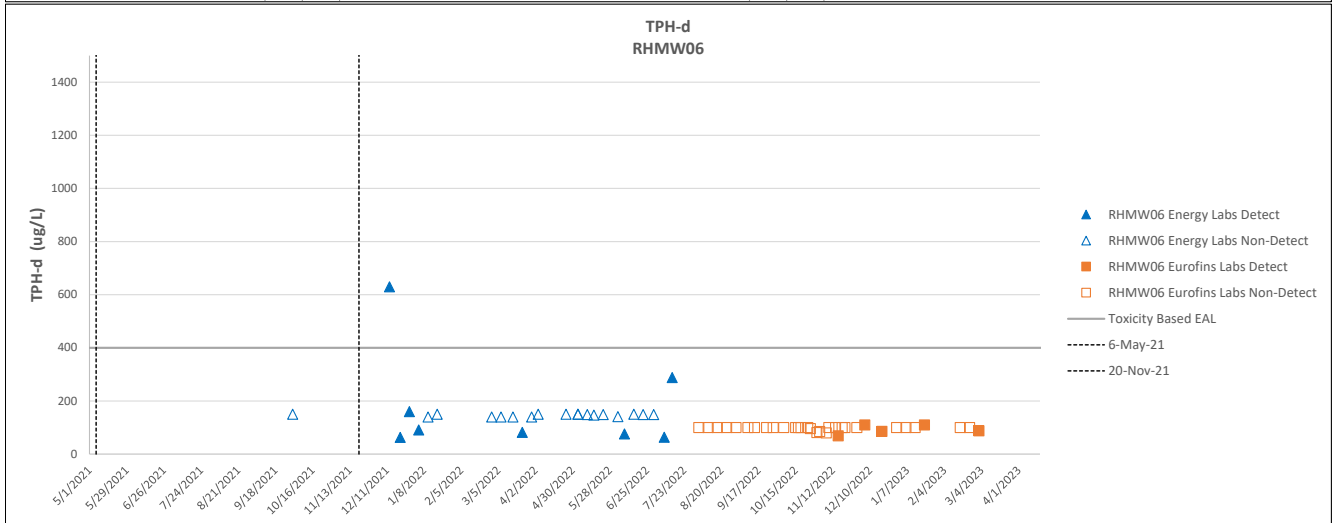
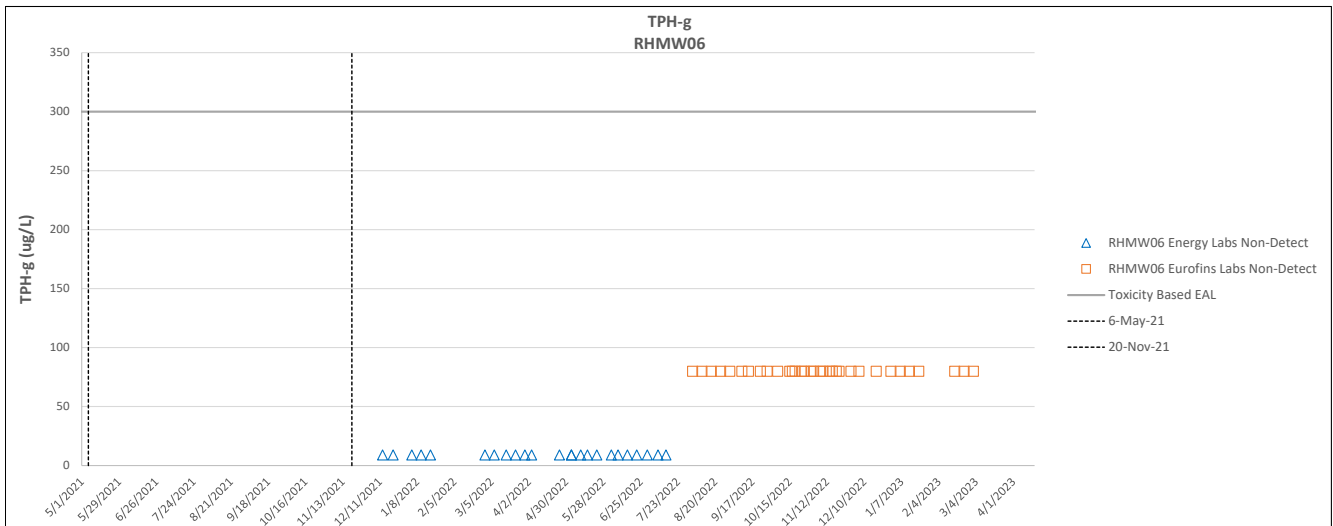


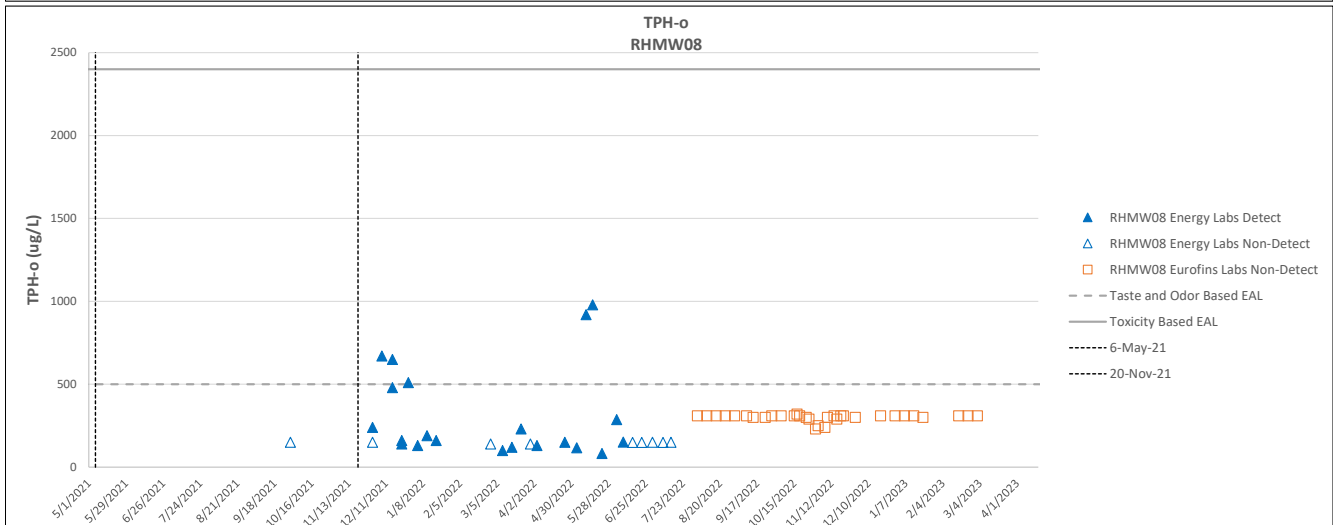
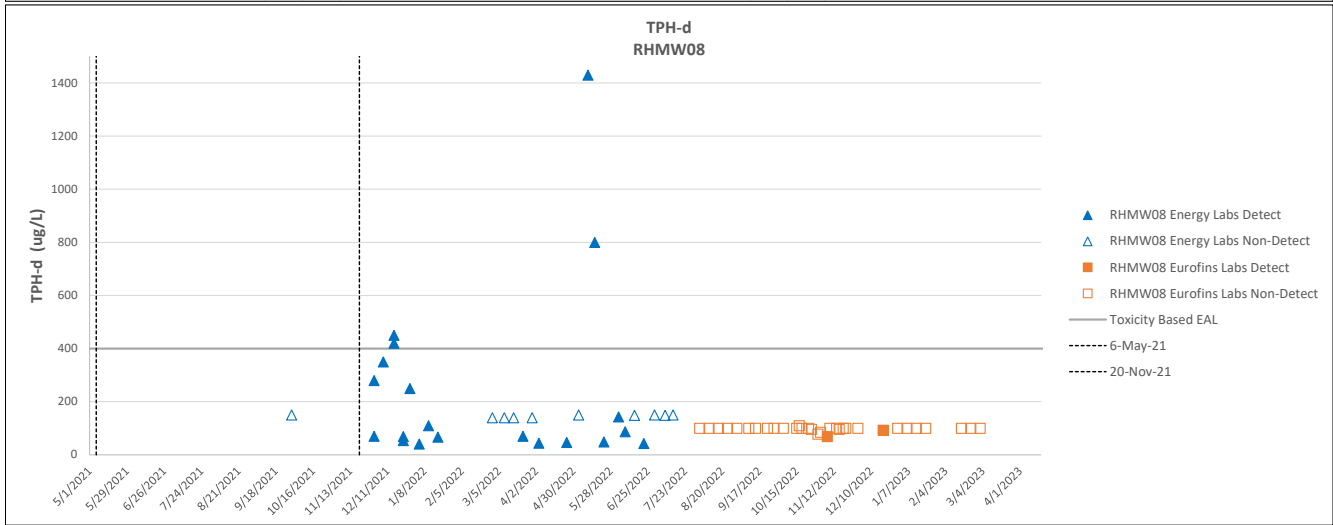
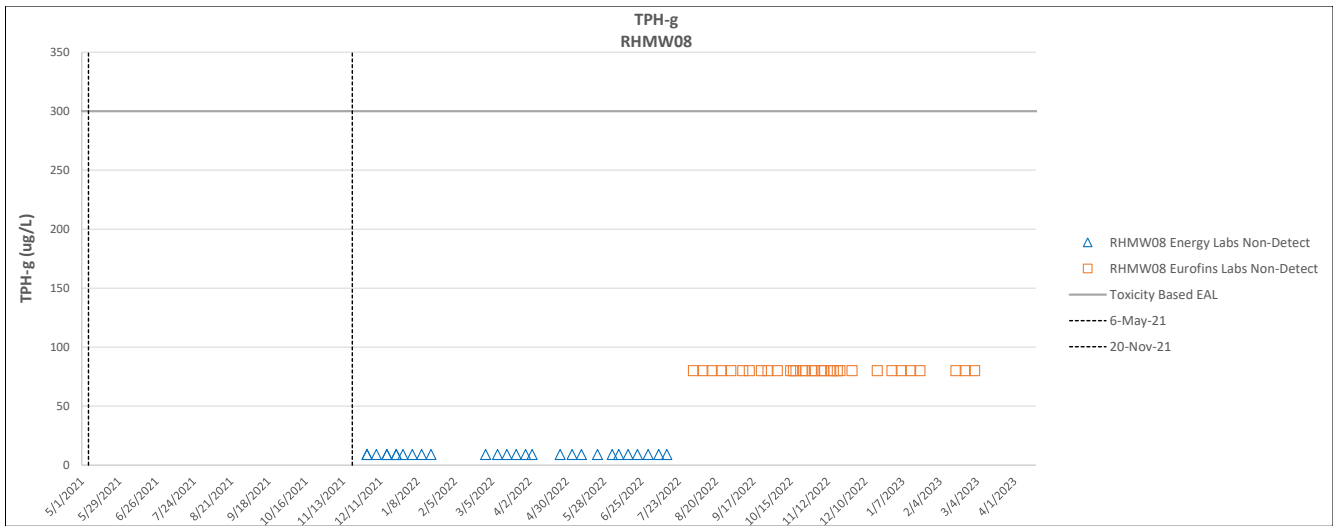




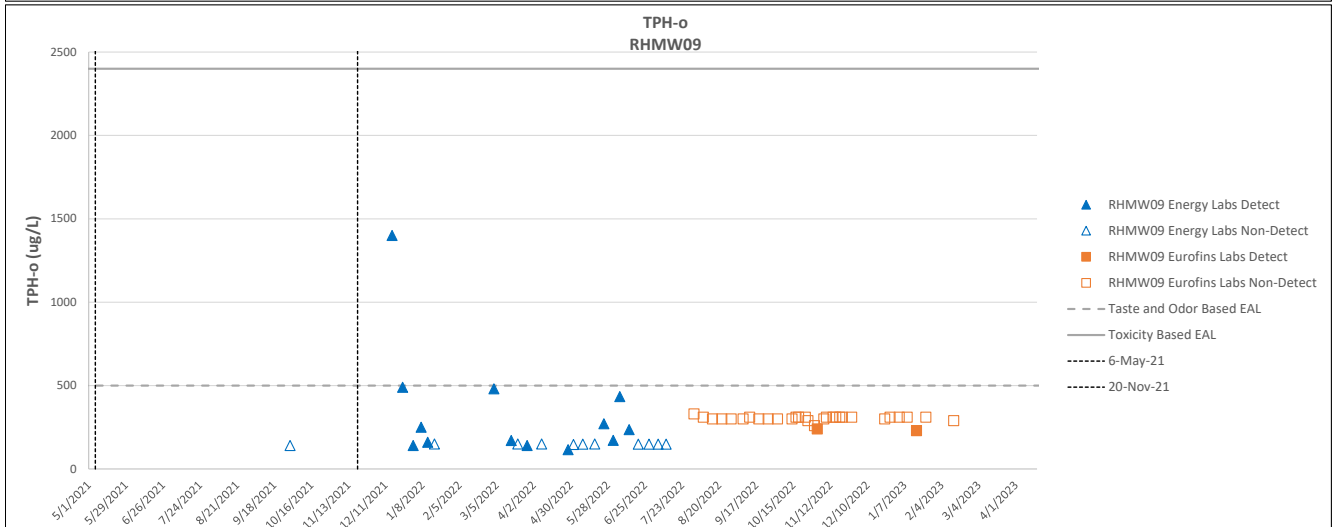
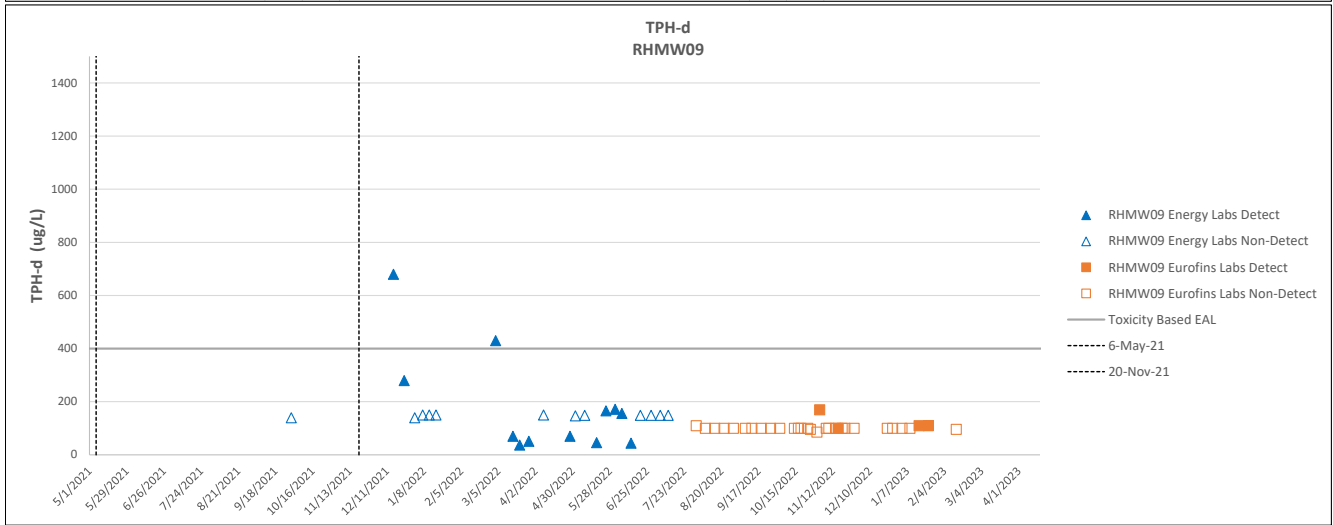
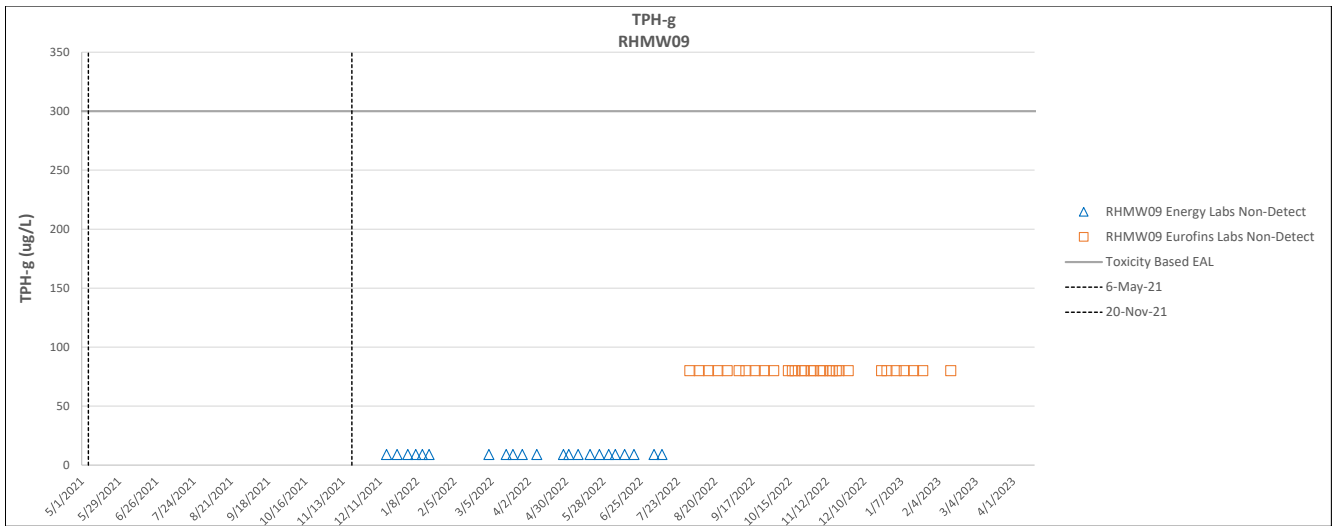


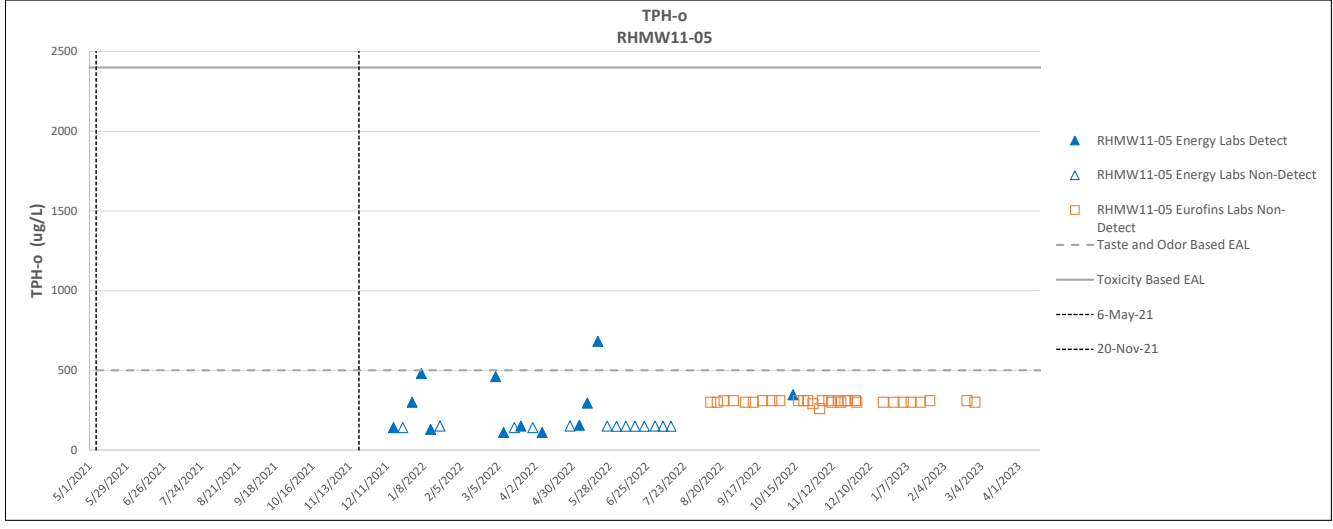
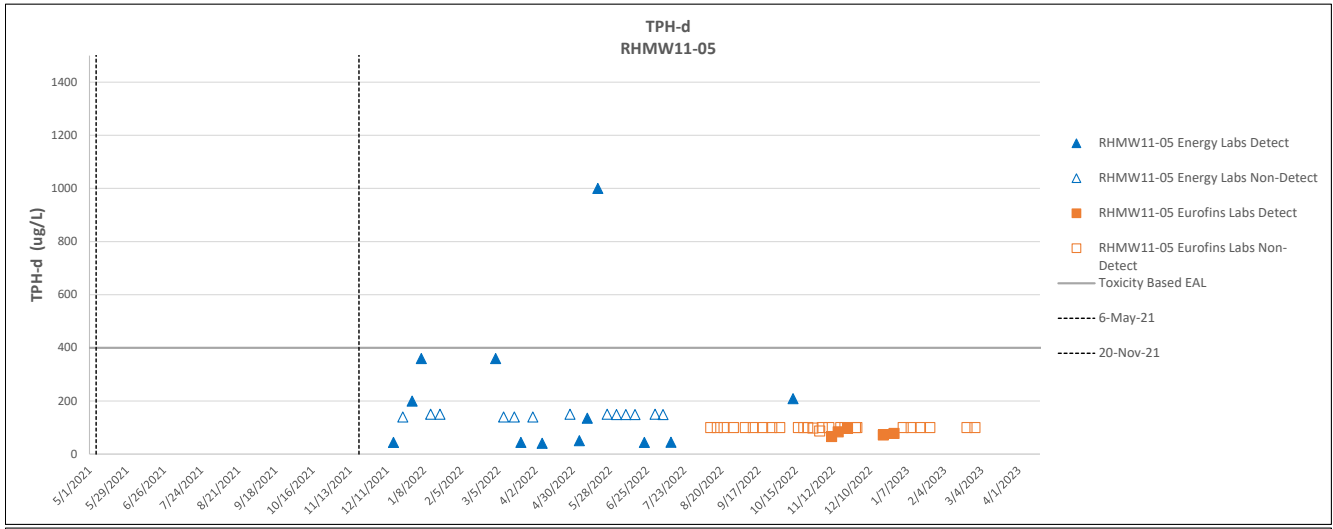
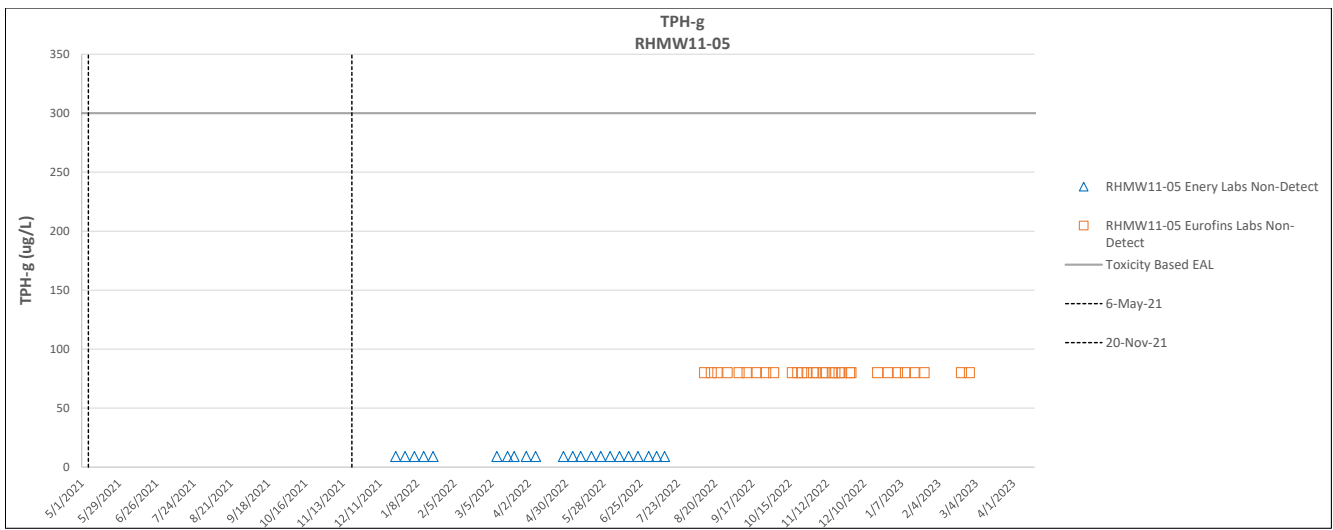


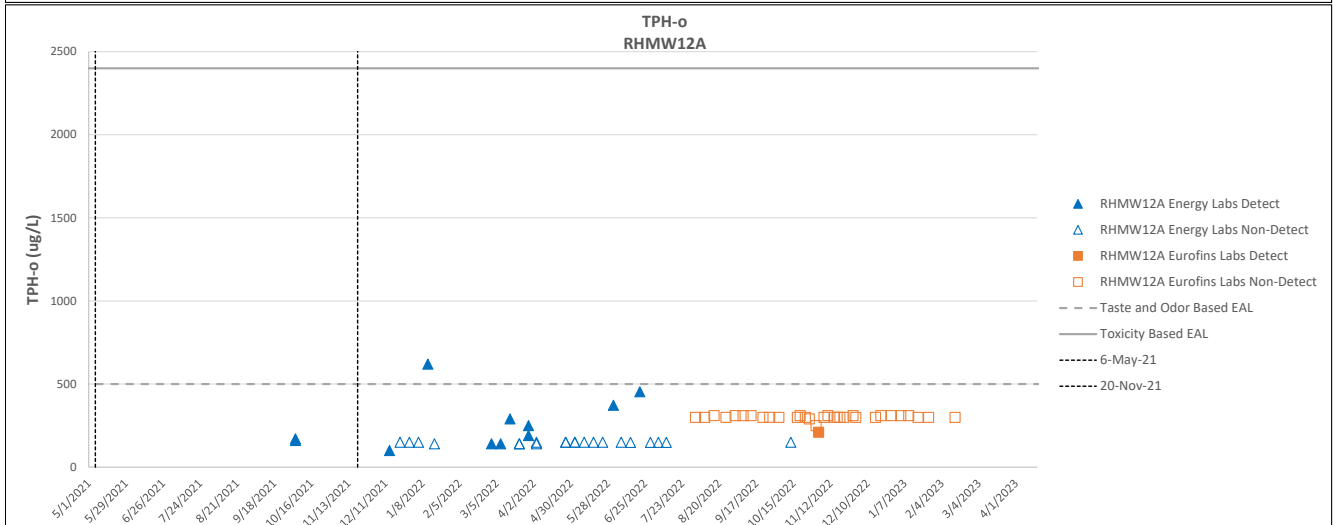
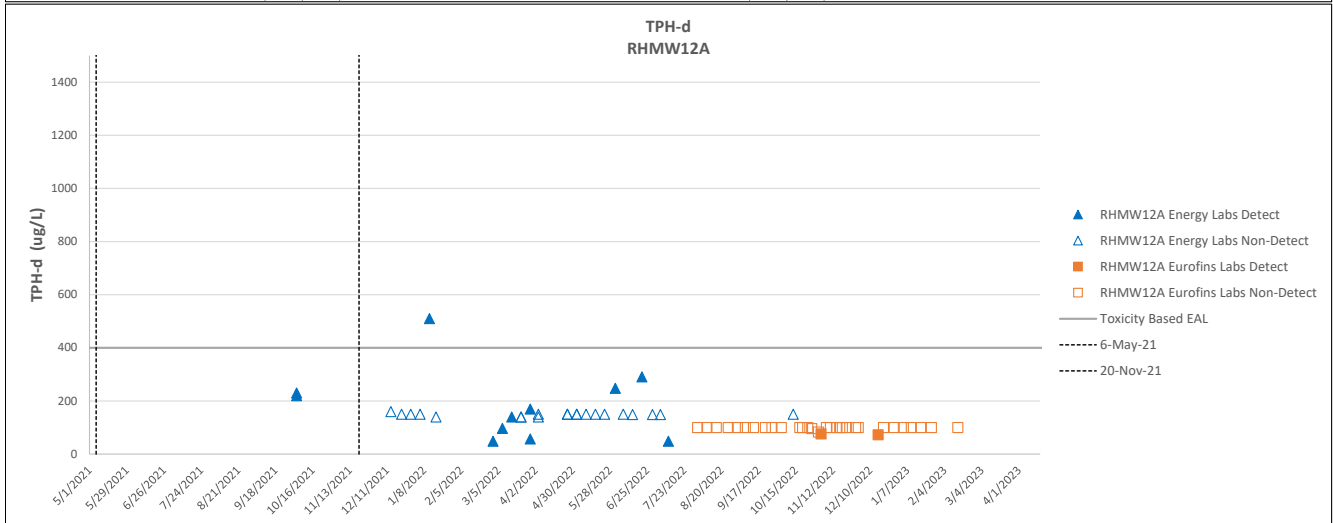
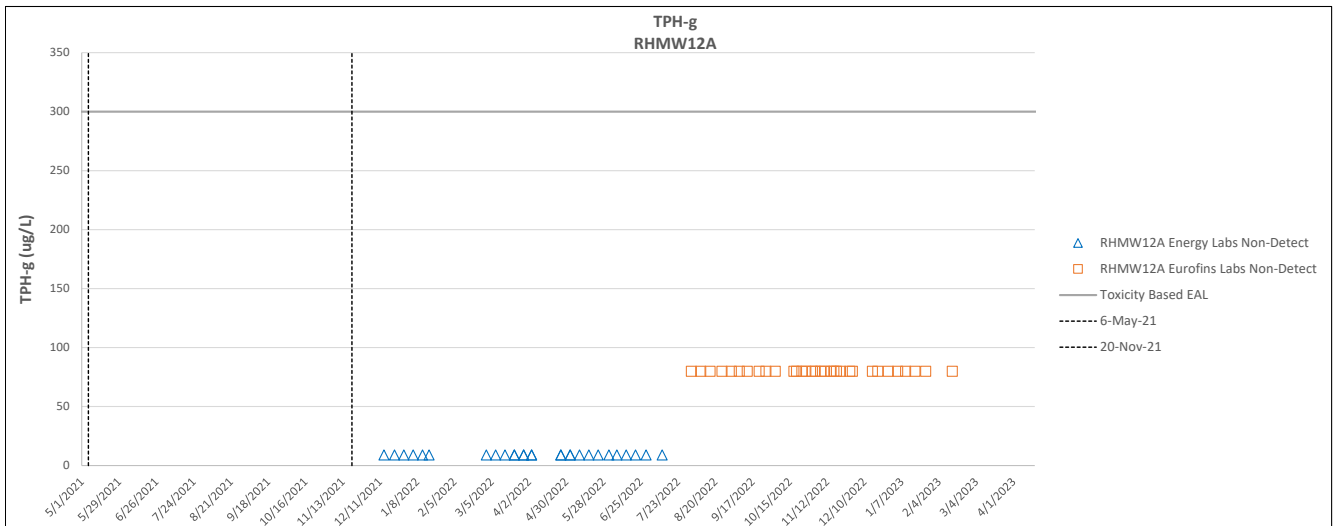


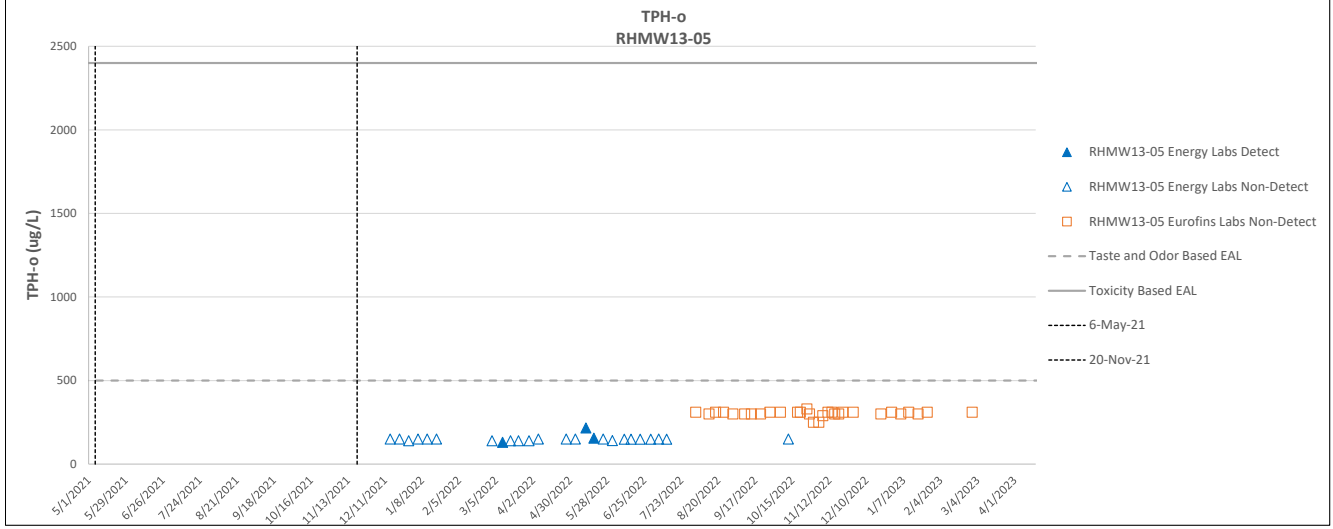
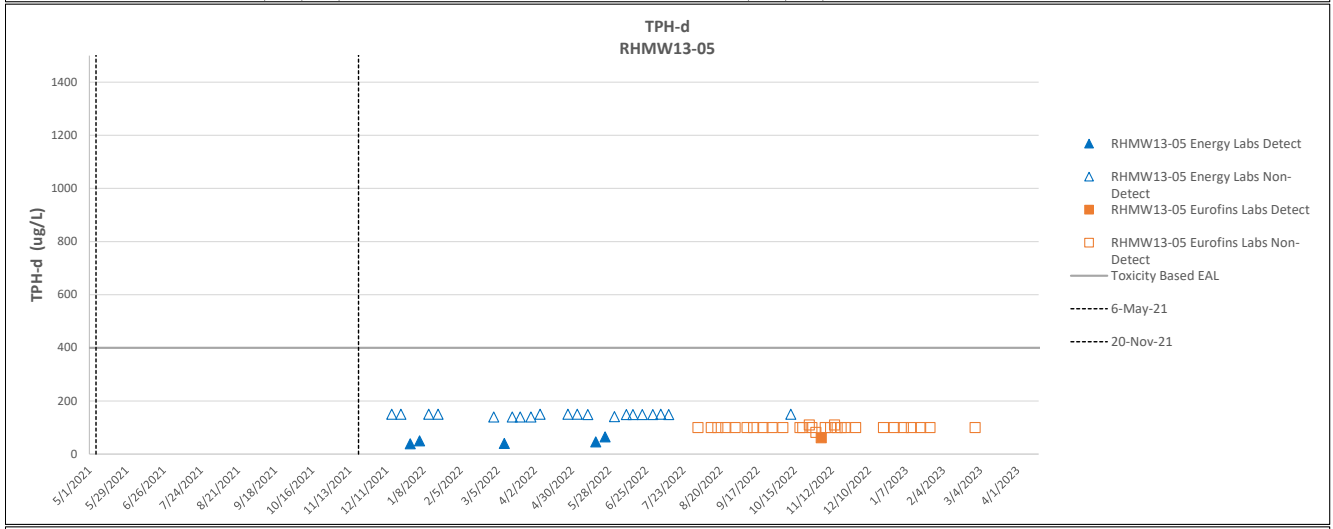
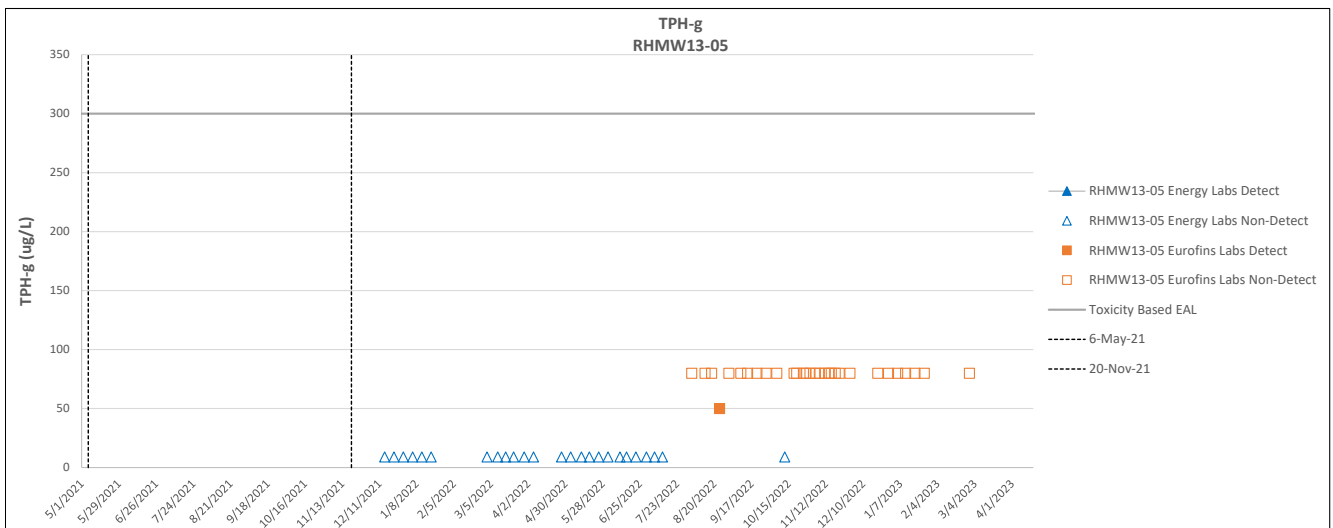


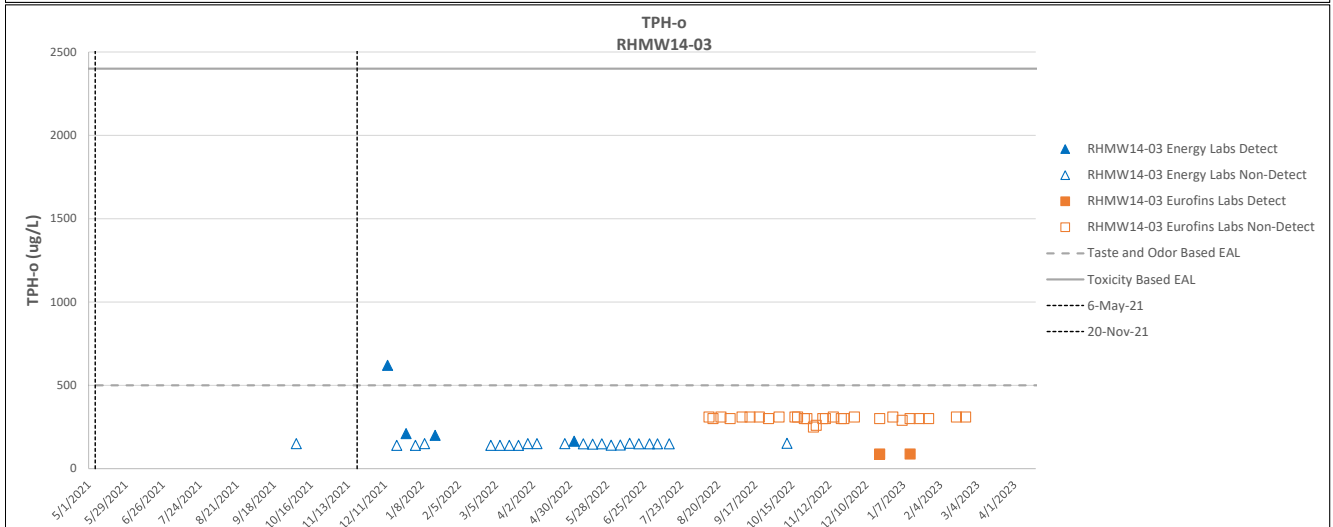
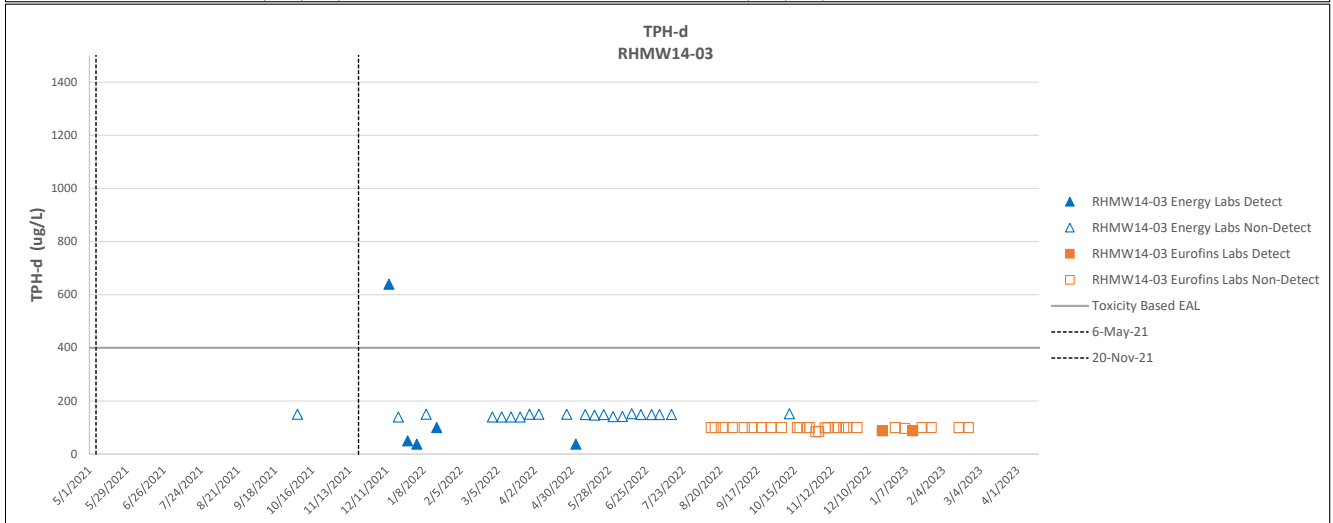
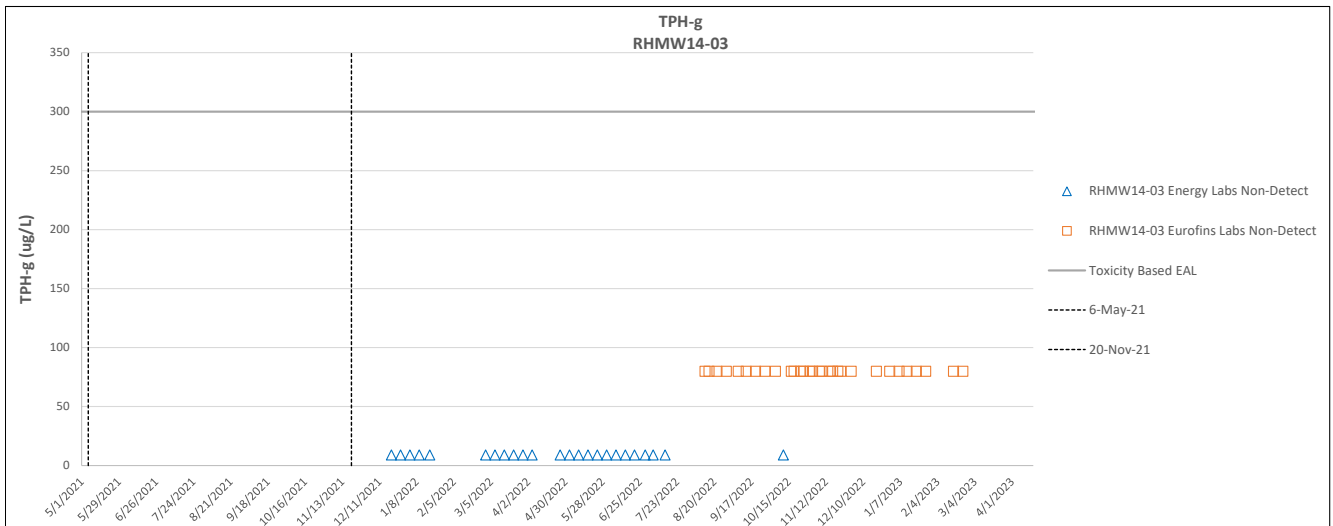
Notes:
¹ Sample collected 12/1/2021 was reanalyzed due to inconsistency with historic trends and suspected container switch. Reanalysis results were inconclusive and original results were reported.

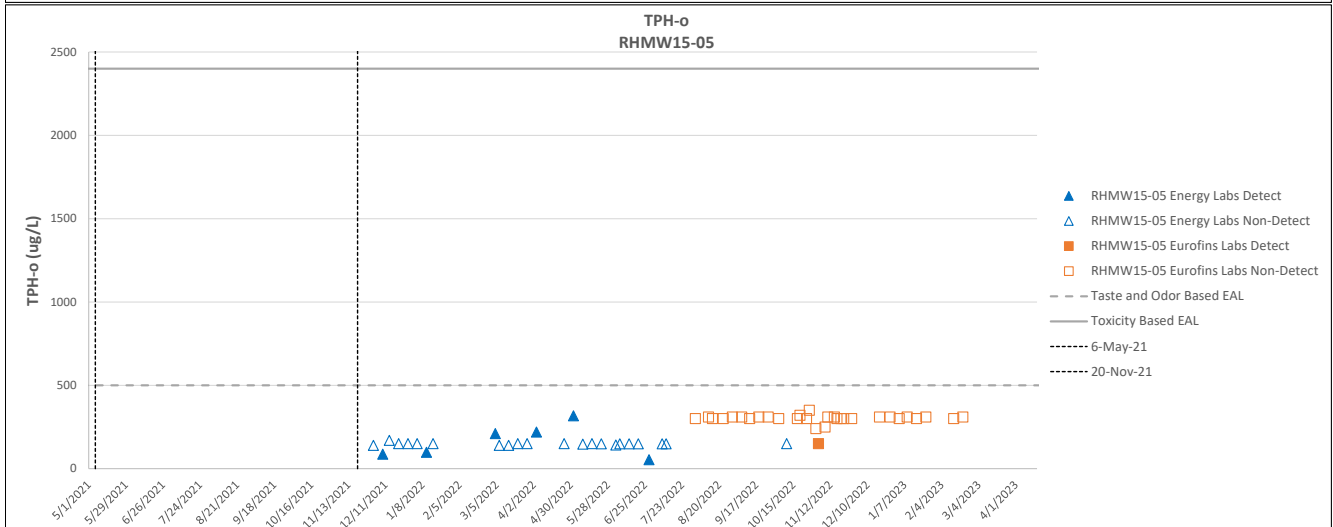
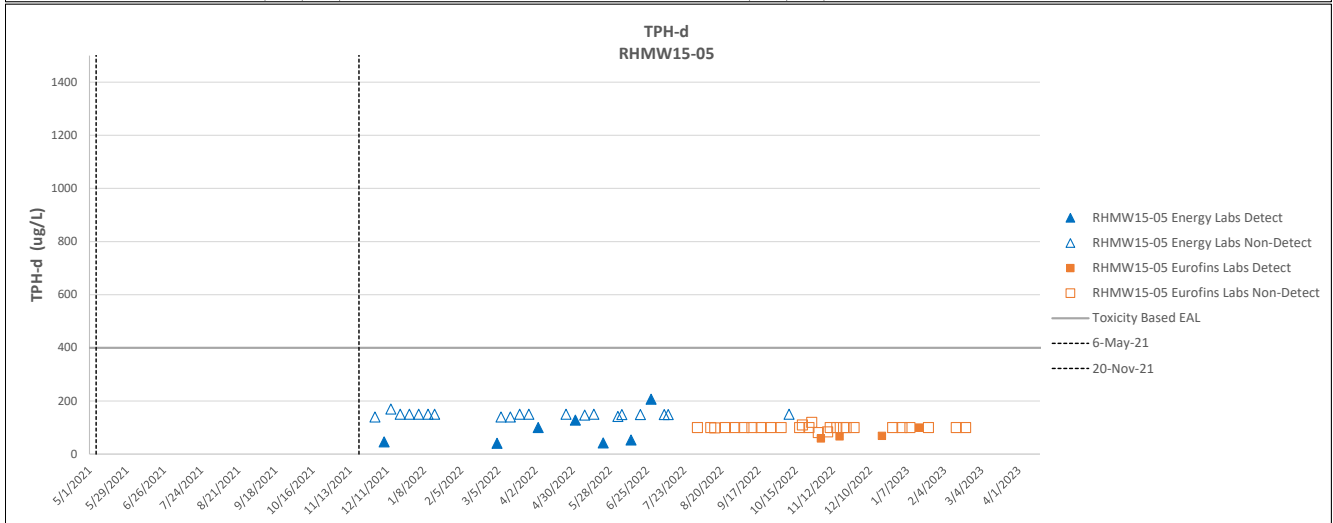
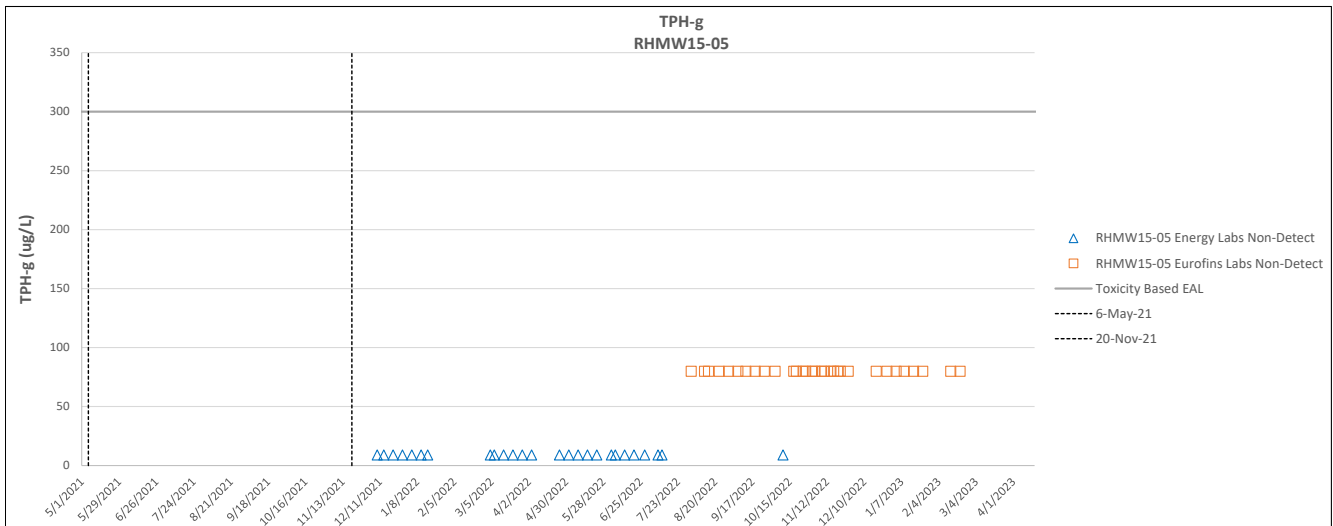




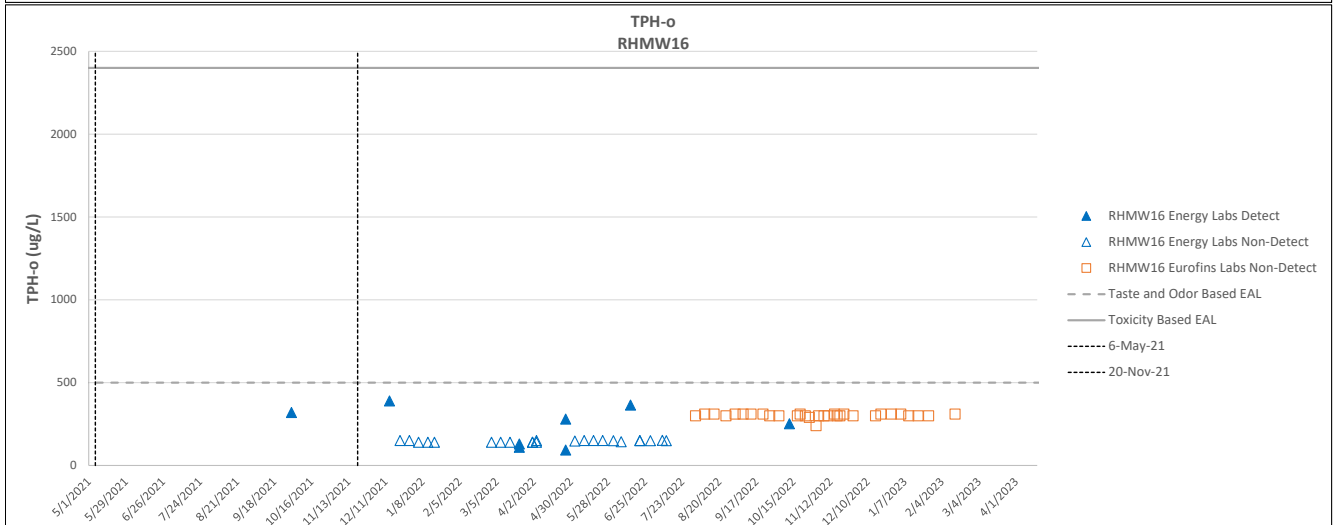
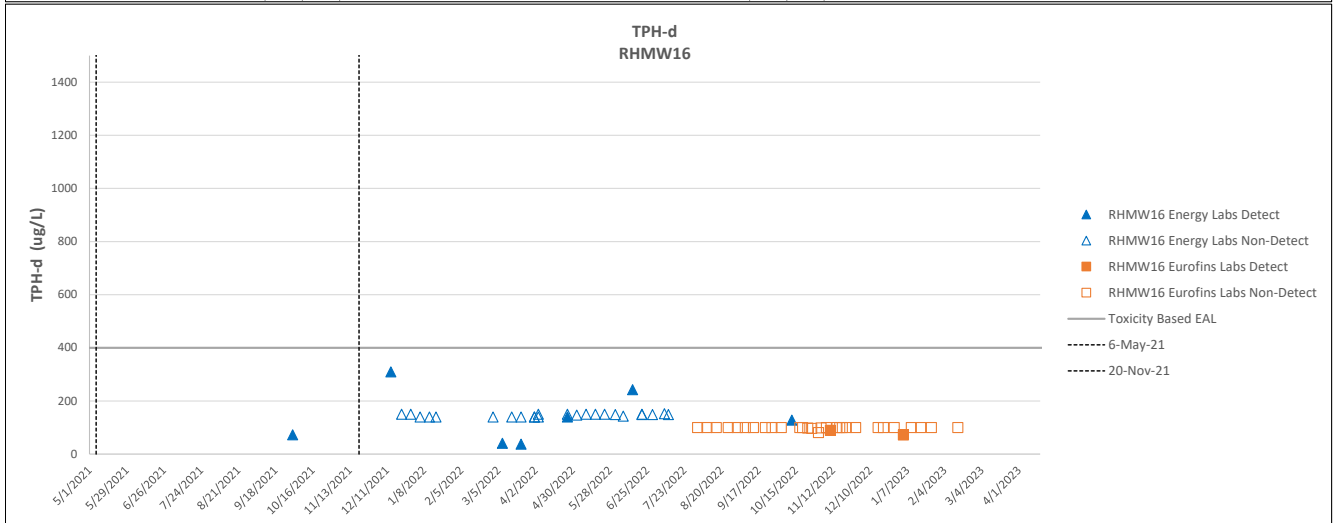
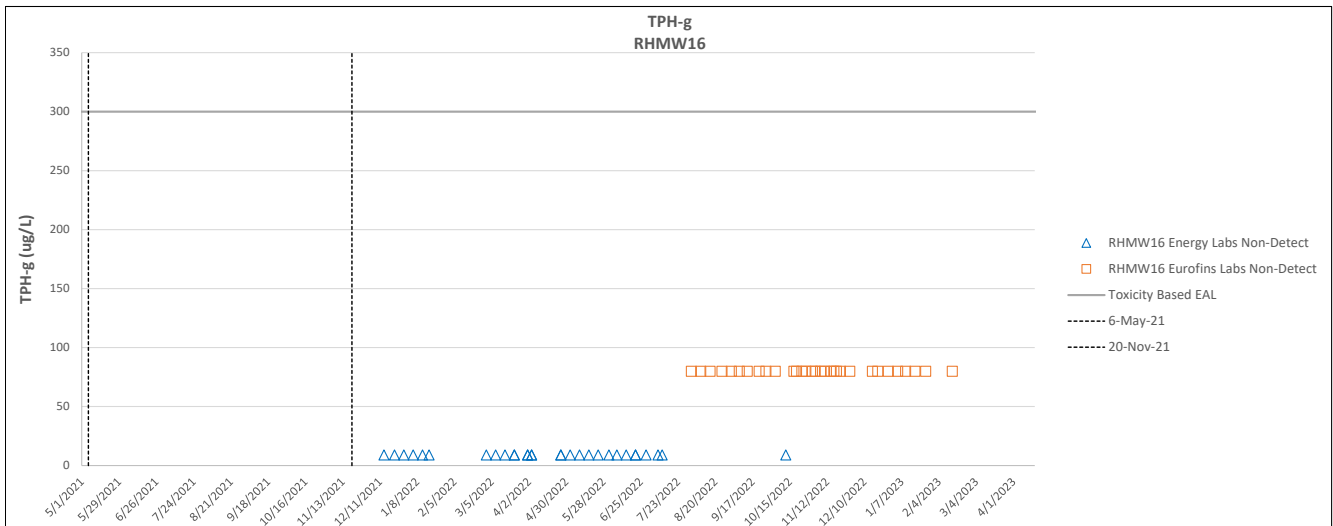


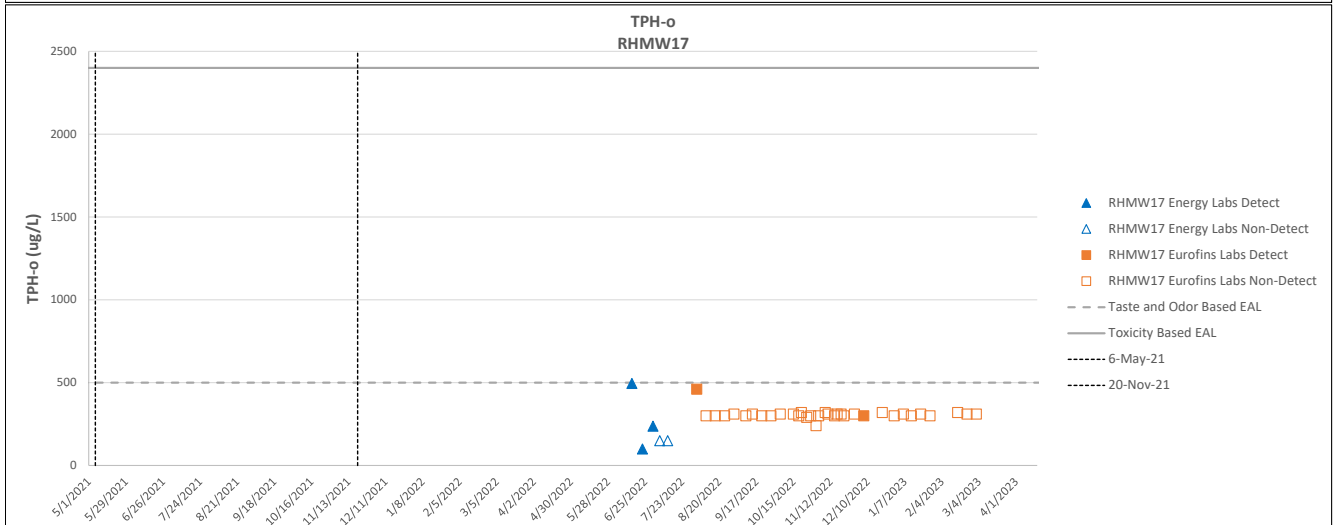
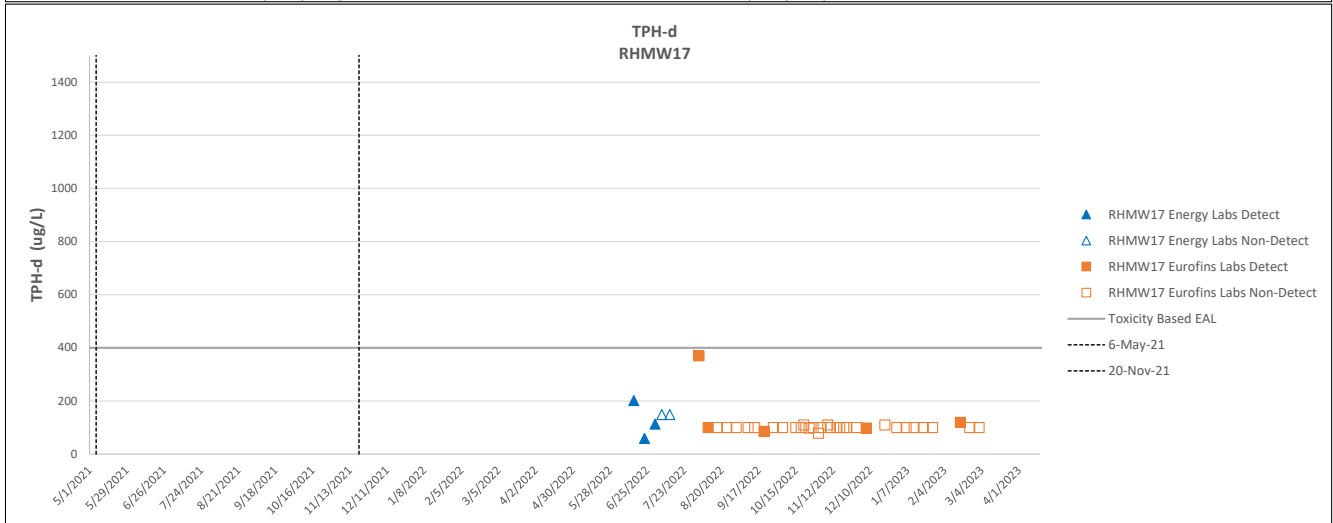
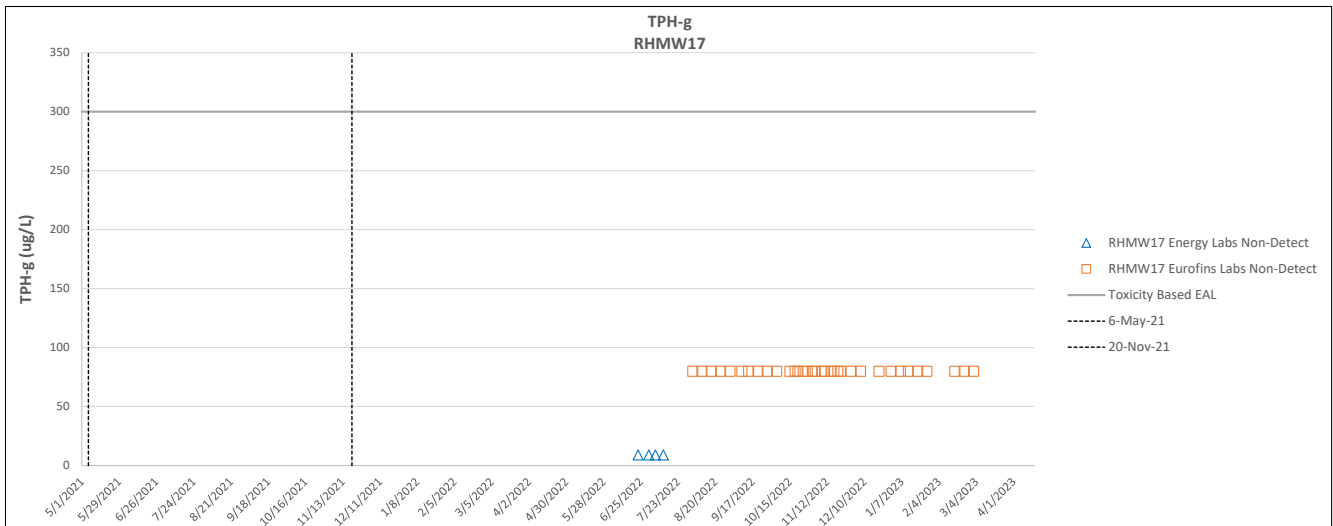


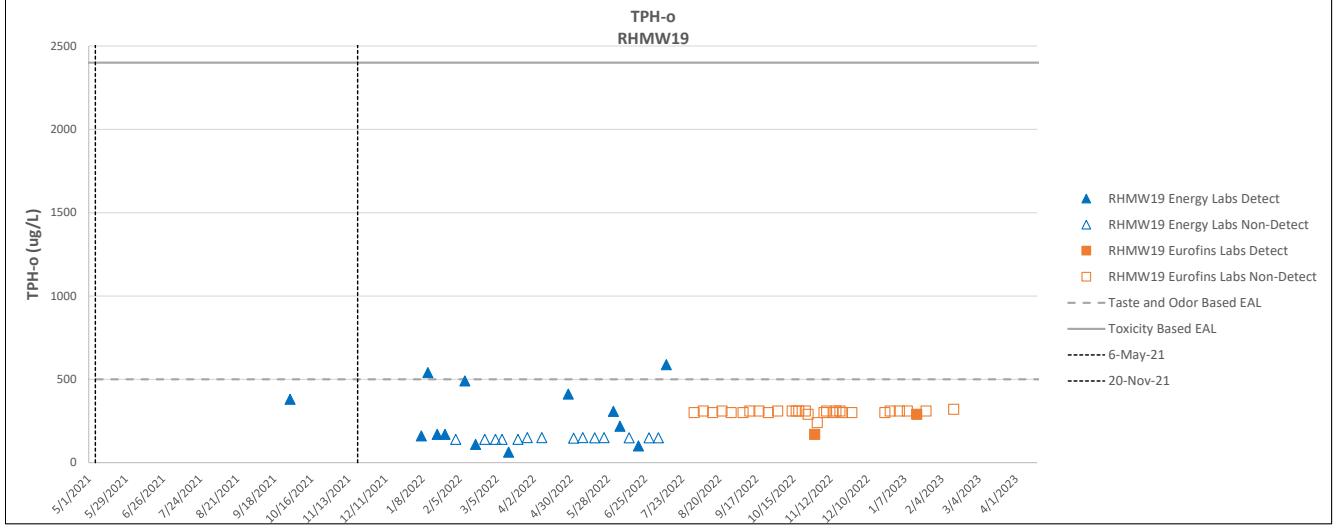
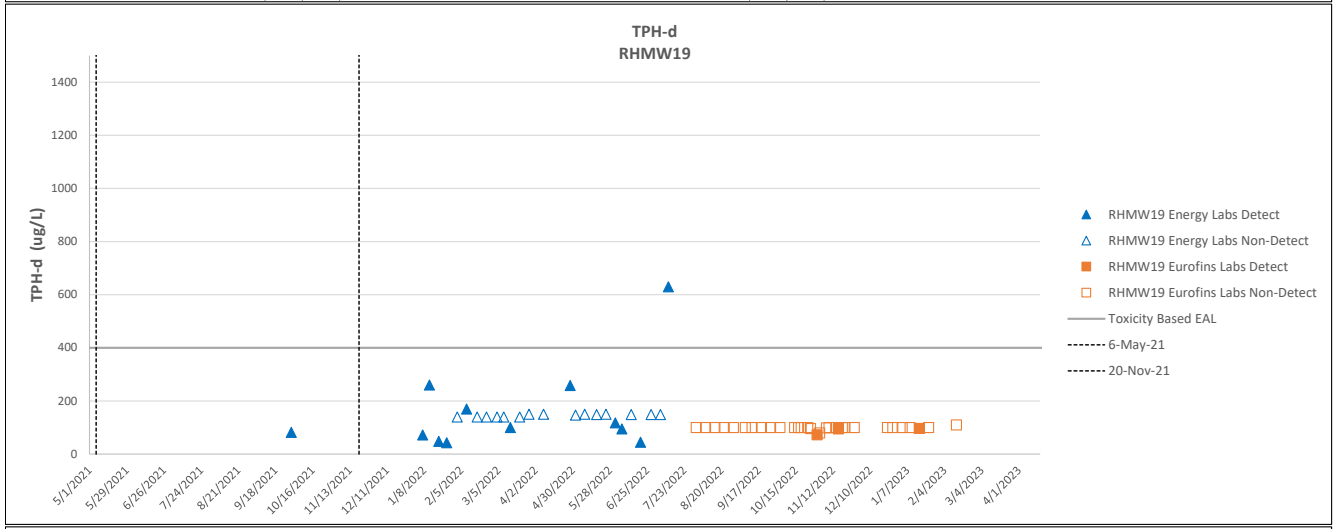
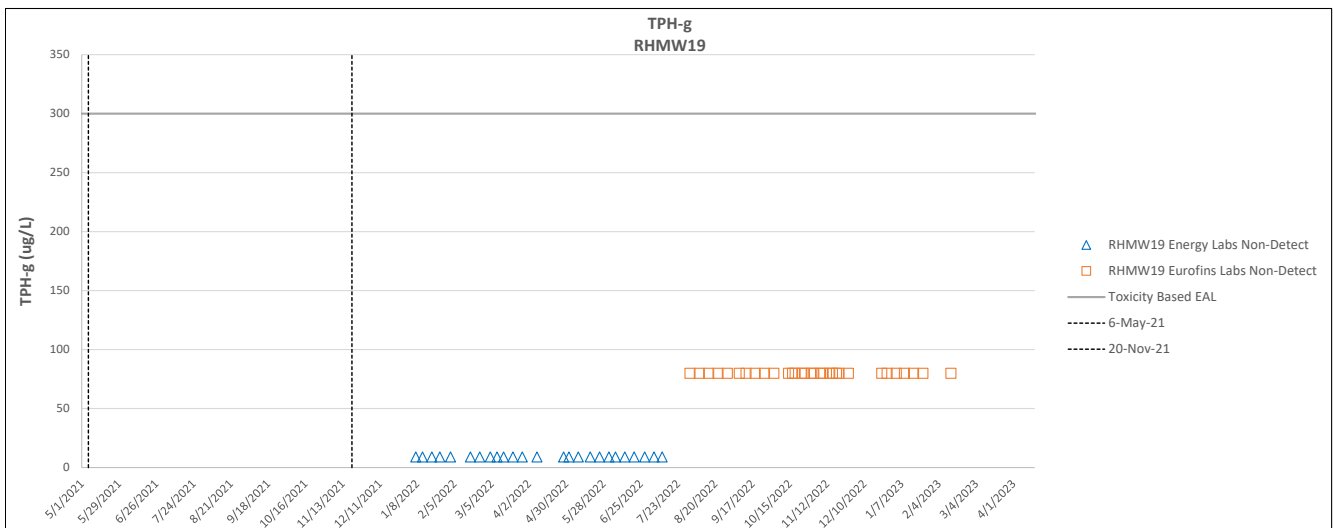


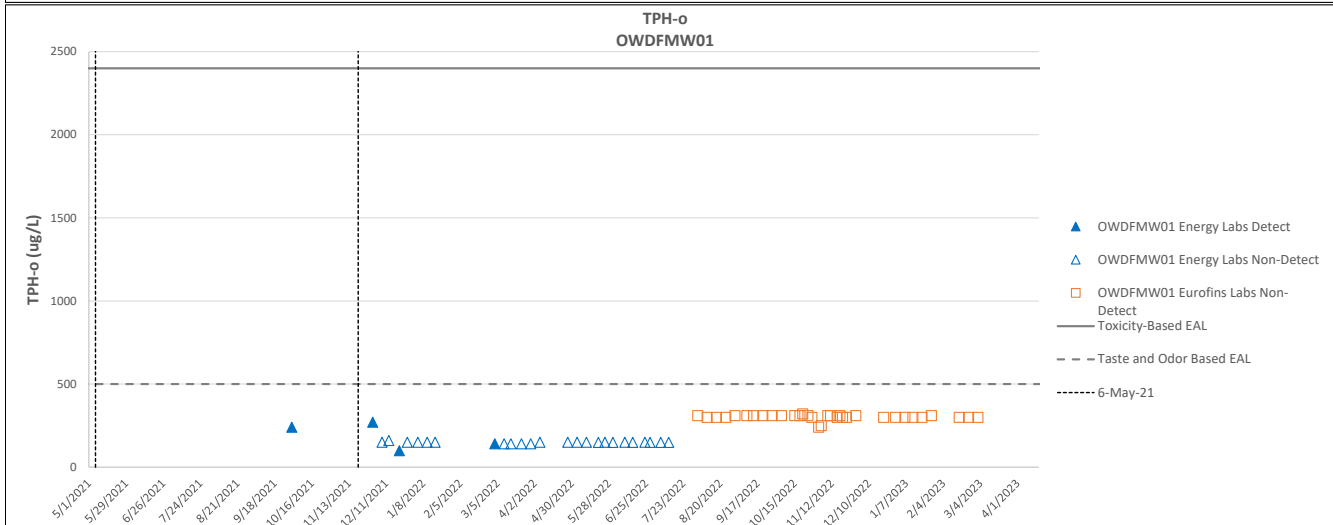
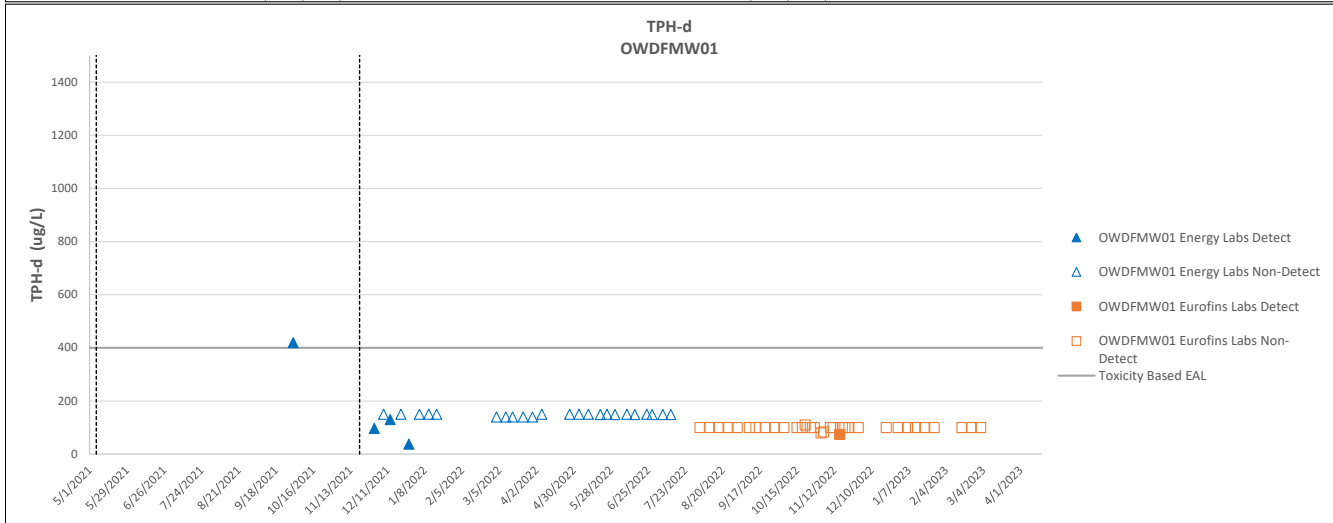
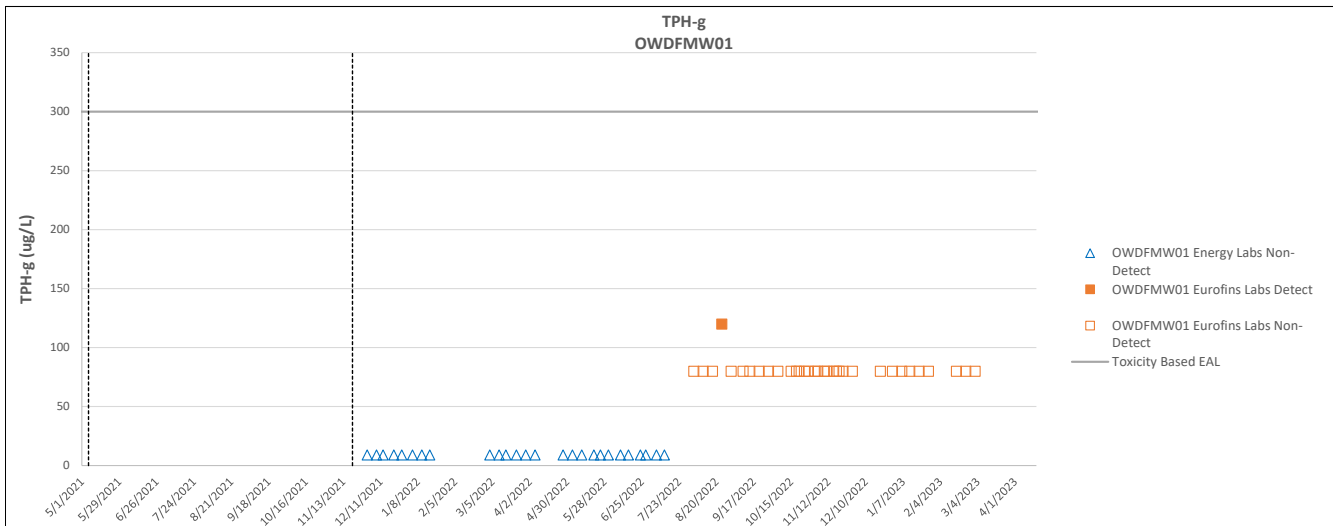


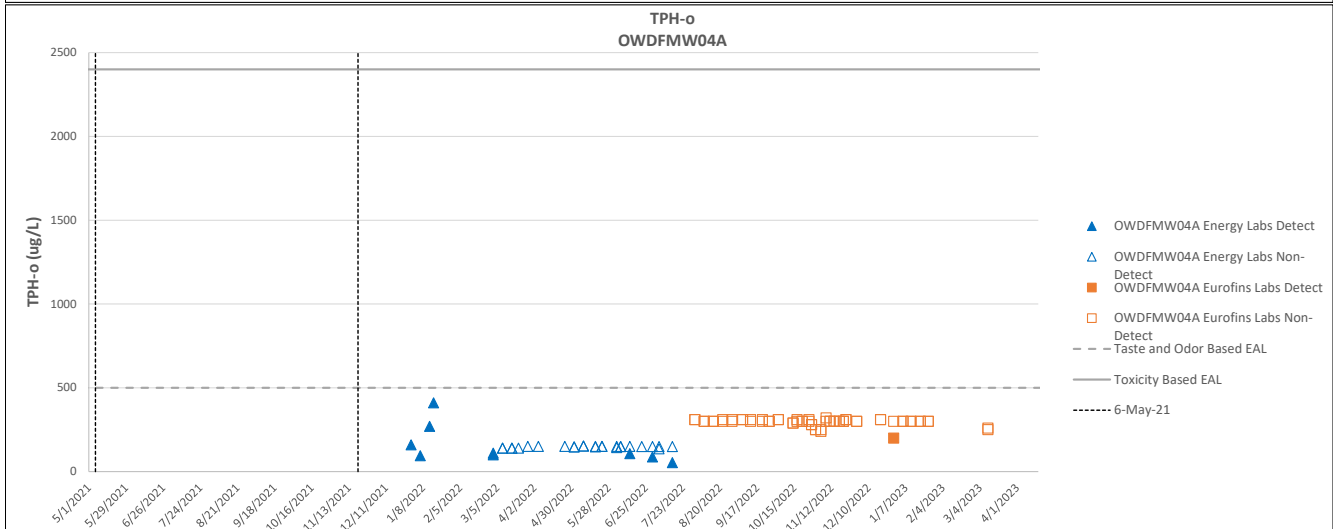
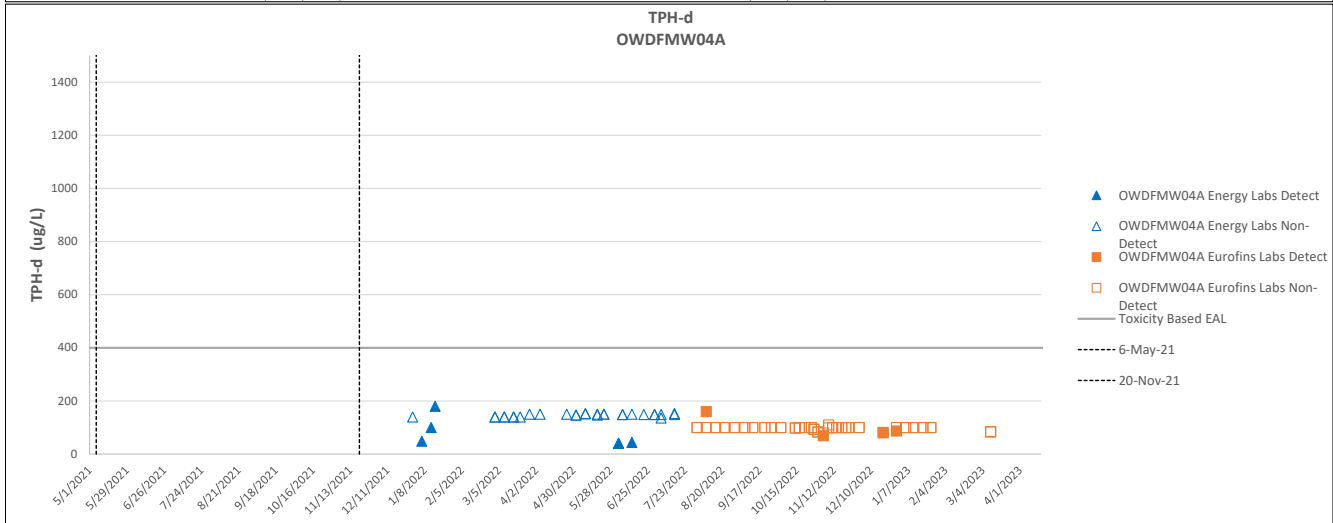
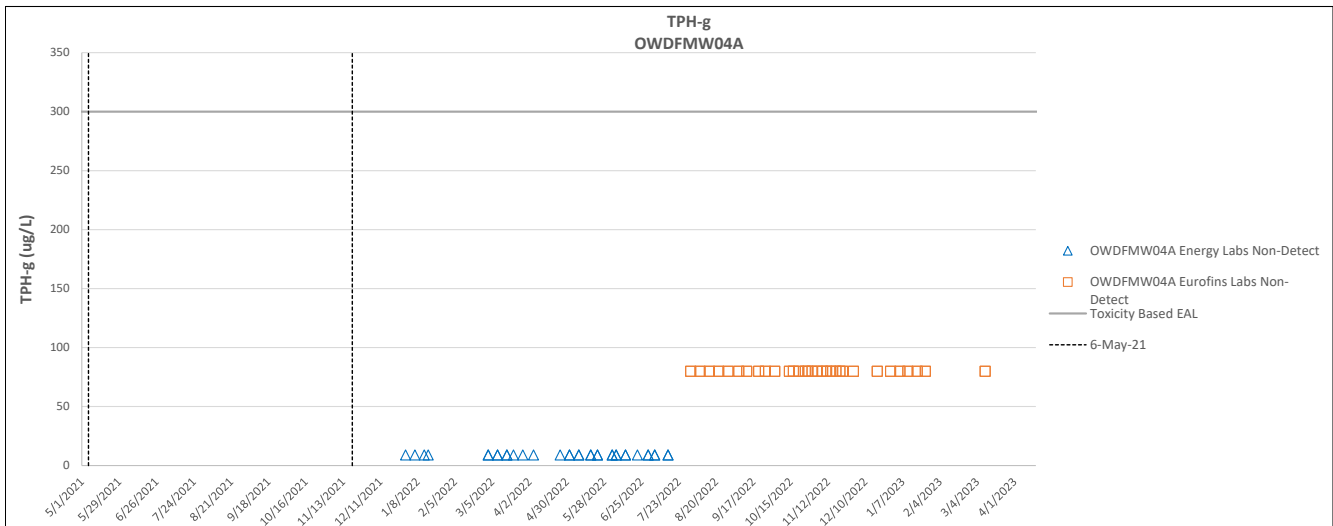
Notes:
¹ Sample collected 12/2/2021 was reanalyzed due to inconsistency with historic trends and suspected container switch. Reanalysis results were inconclusive and original results were reported.

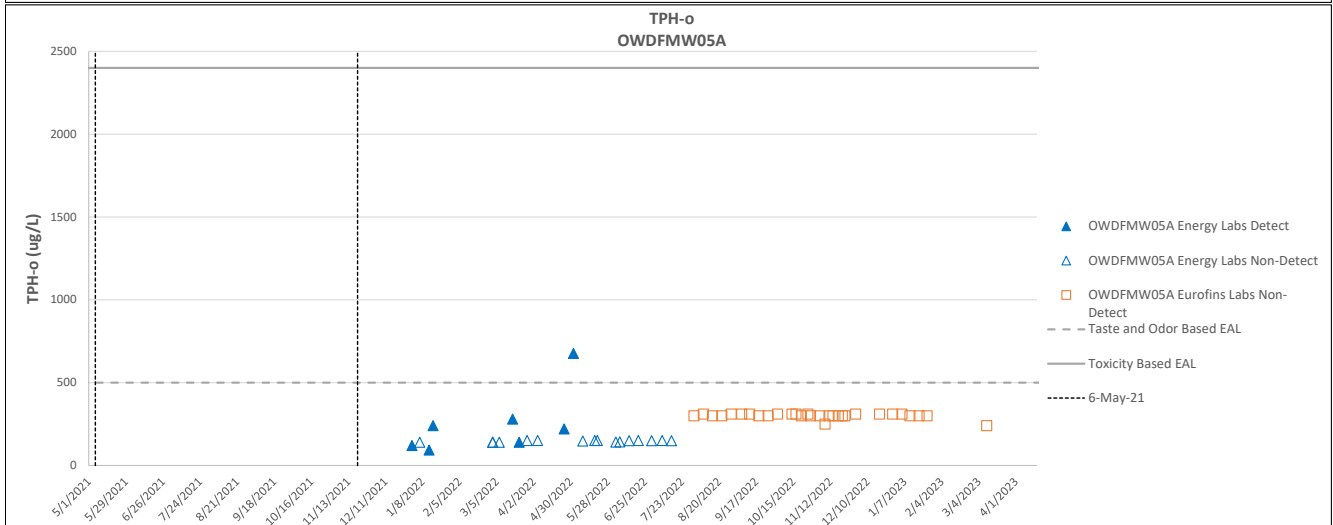
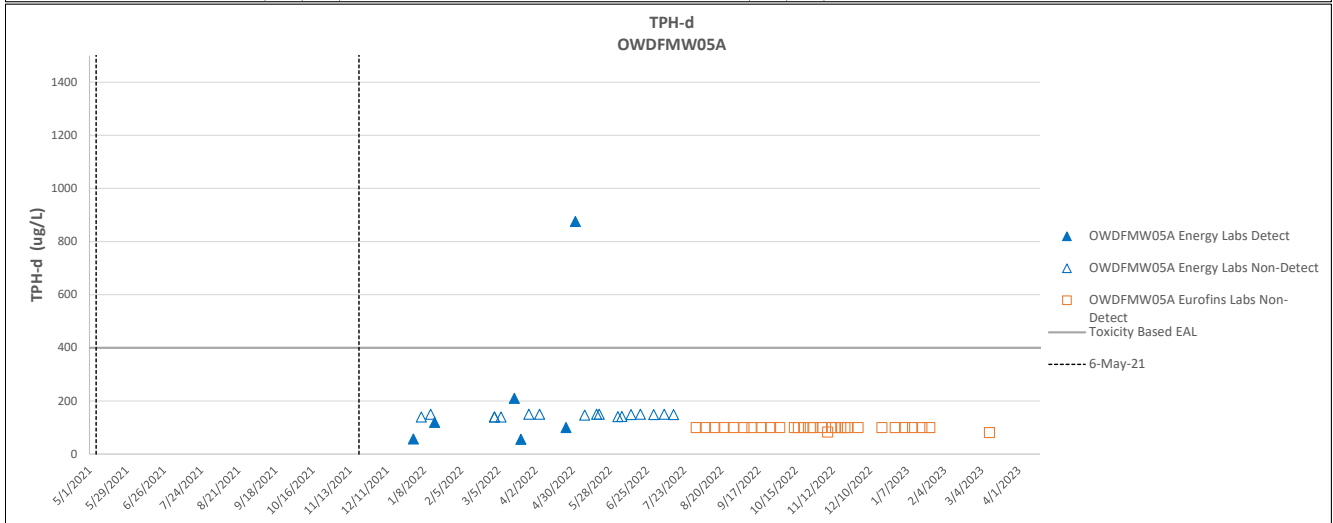
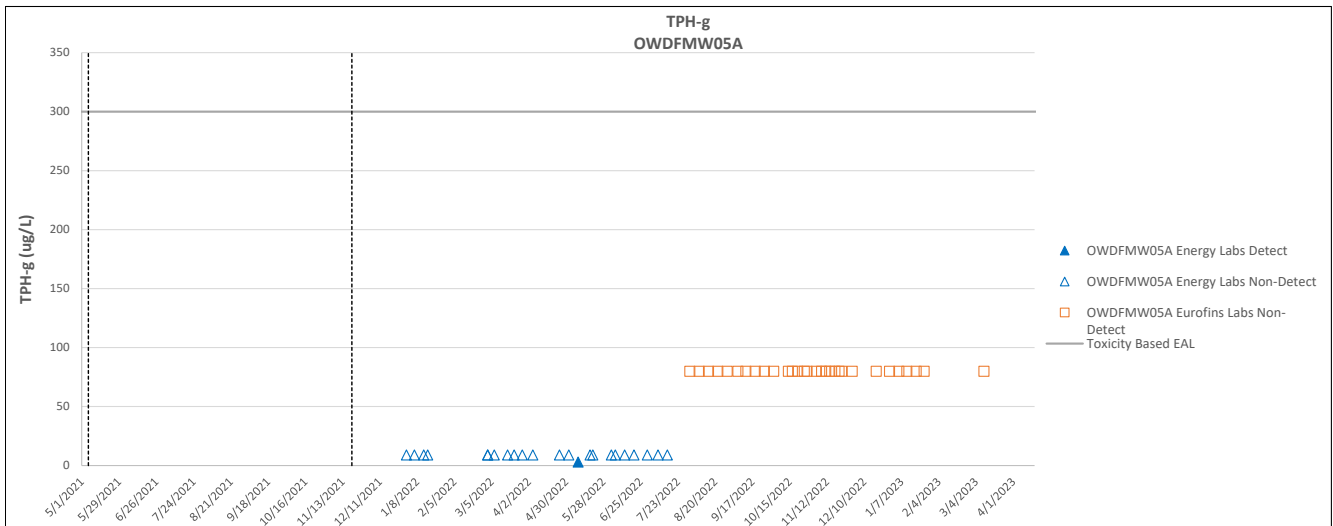


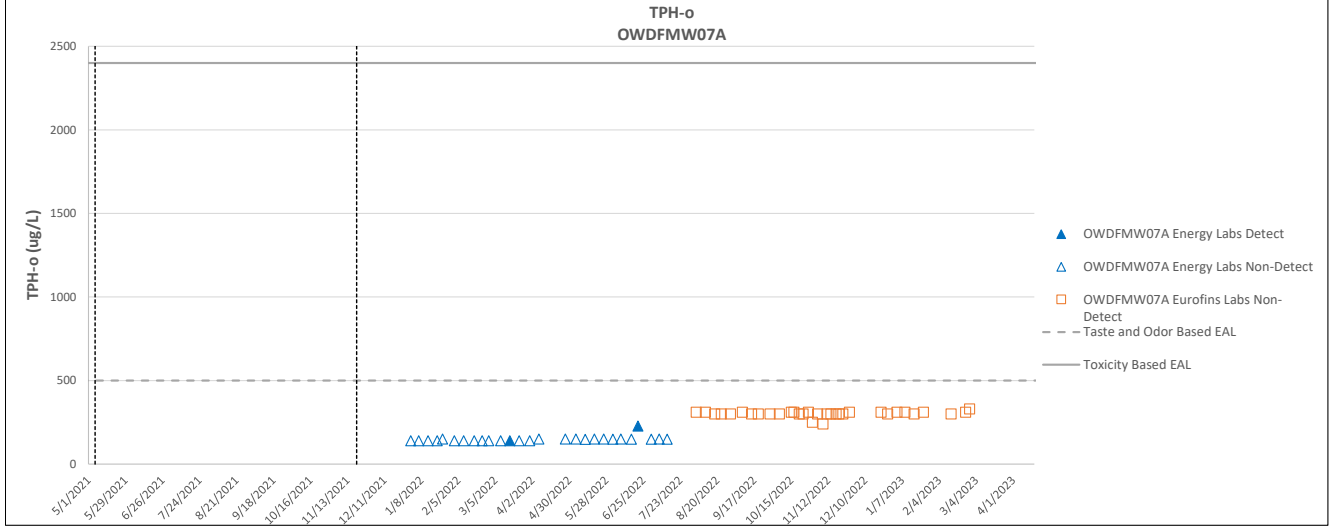
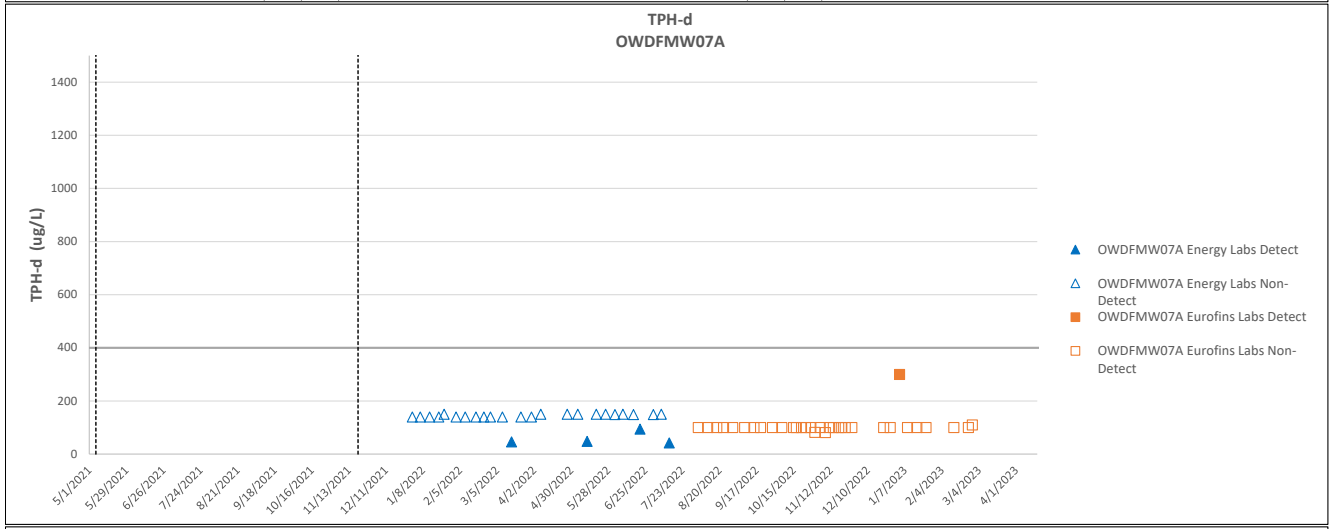
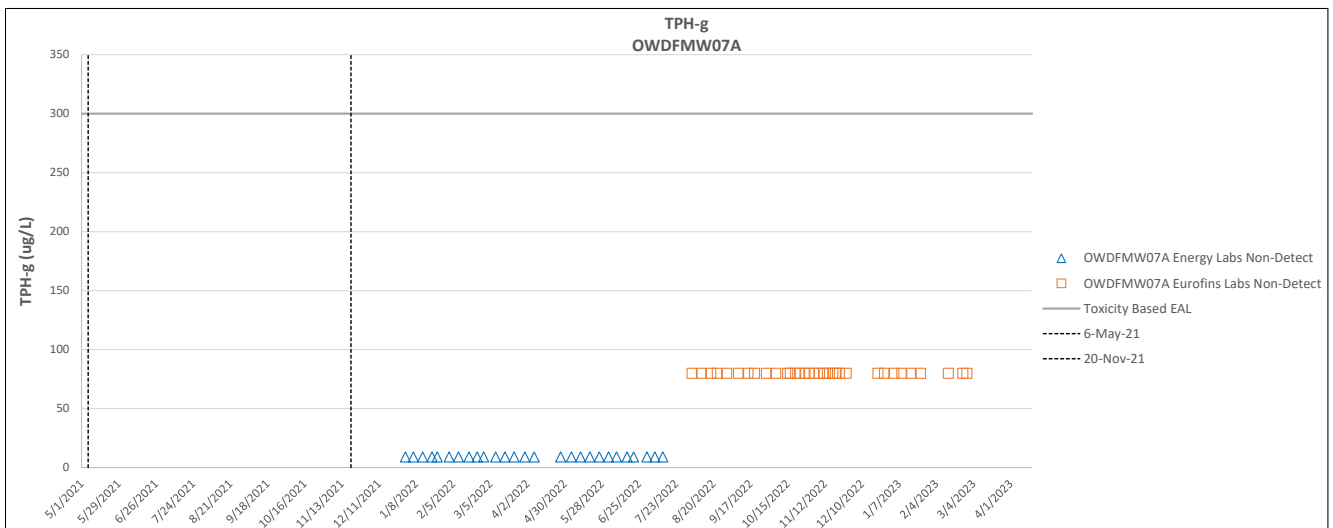


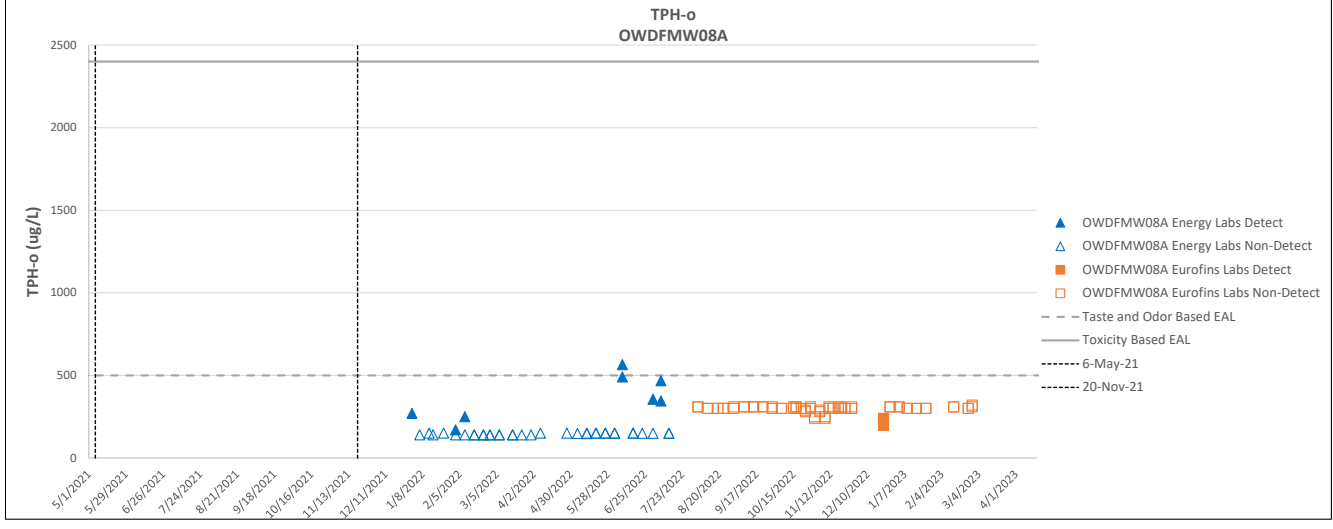
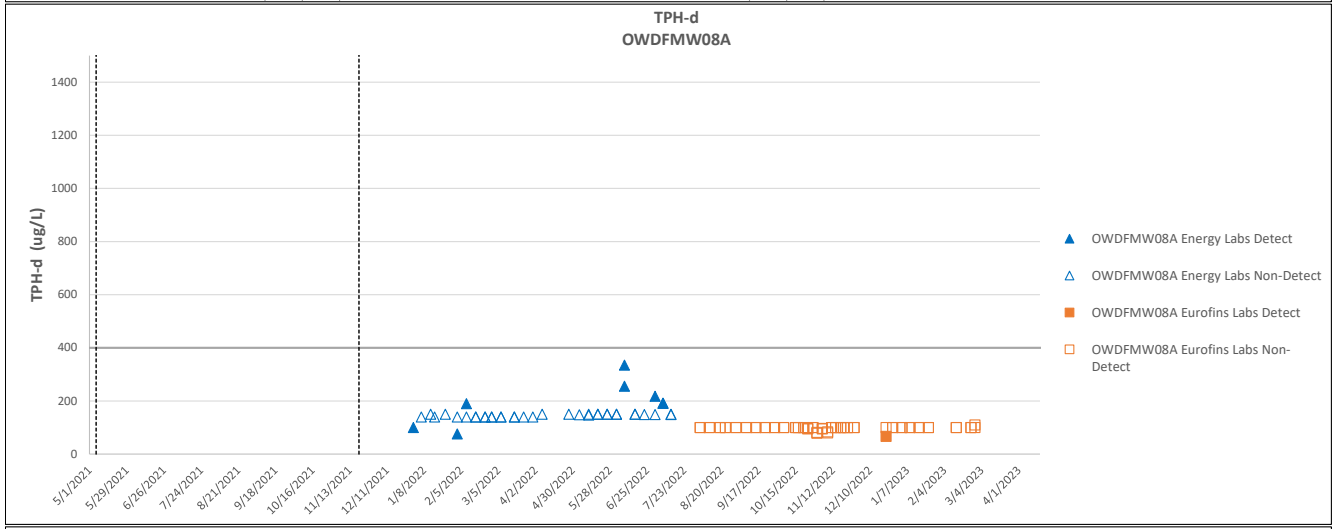
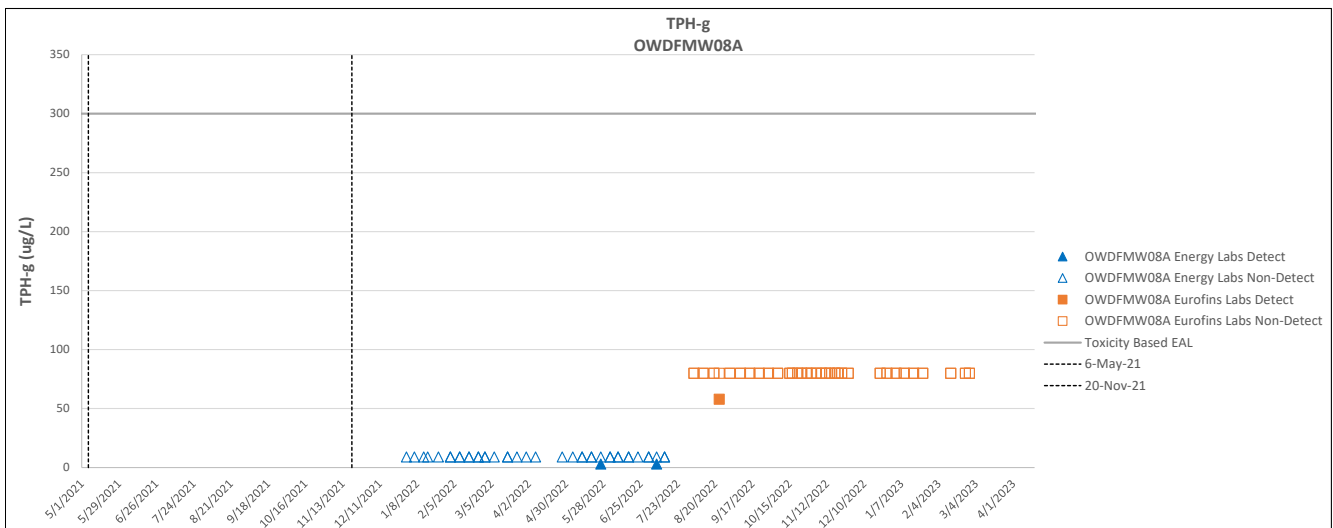


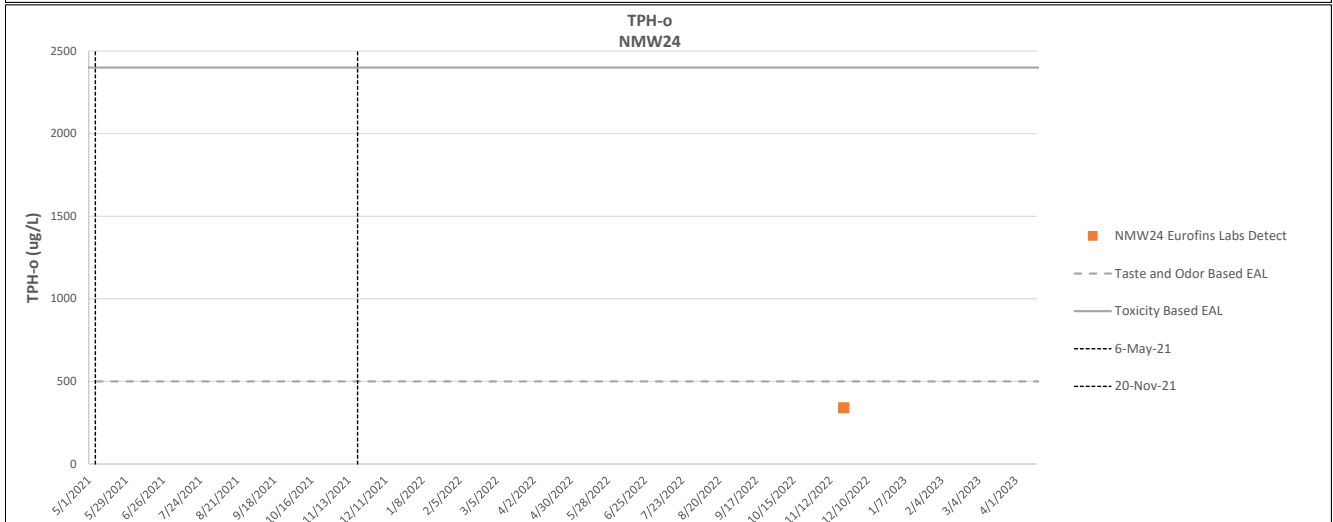
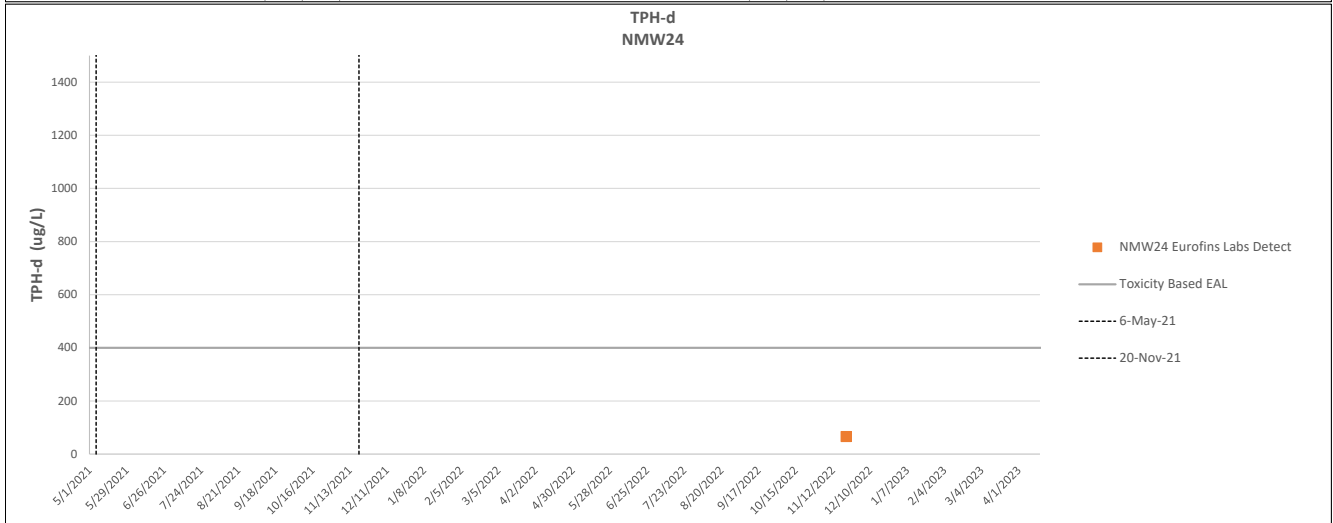
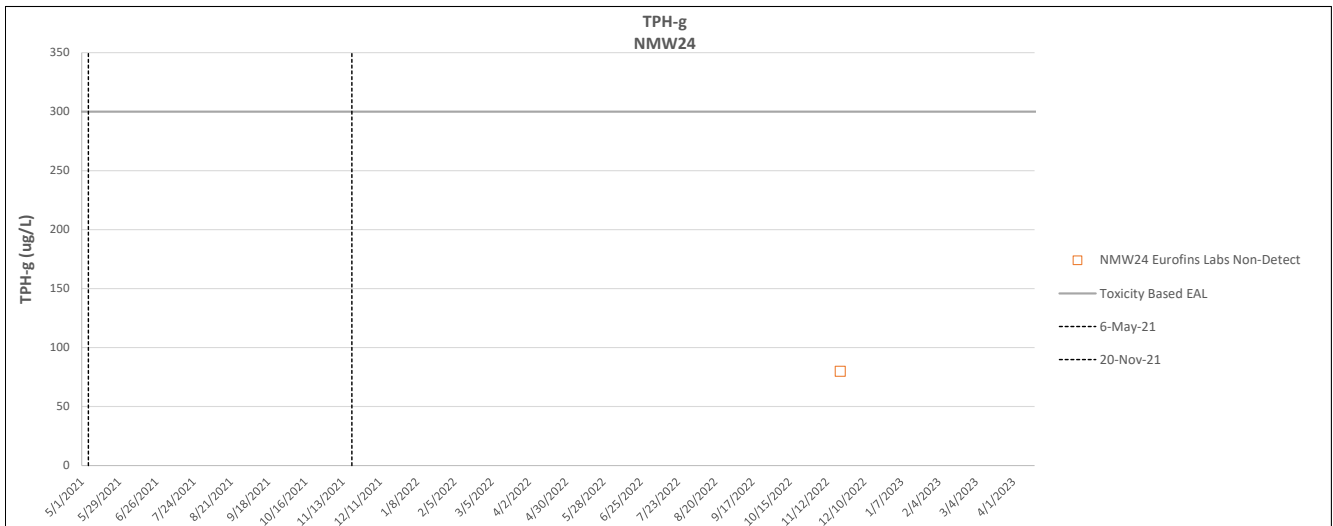


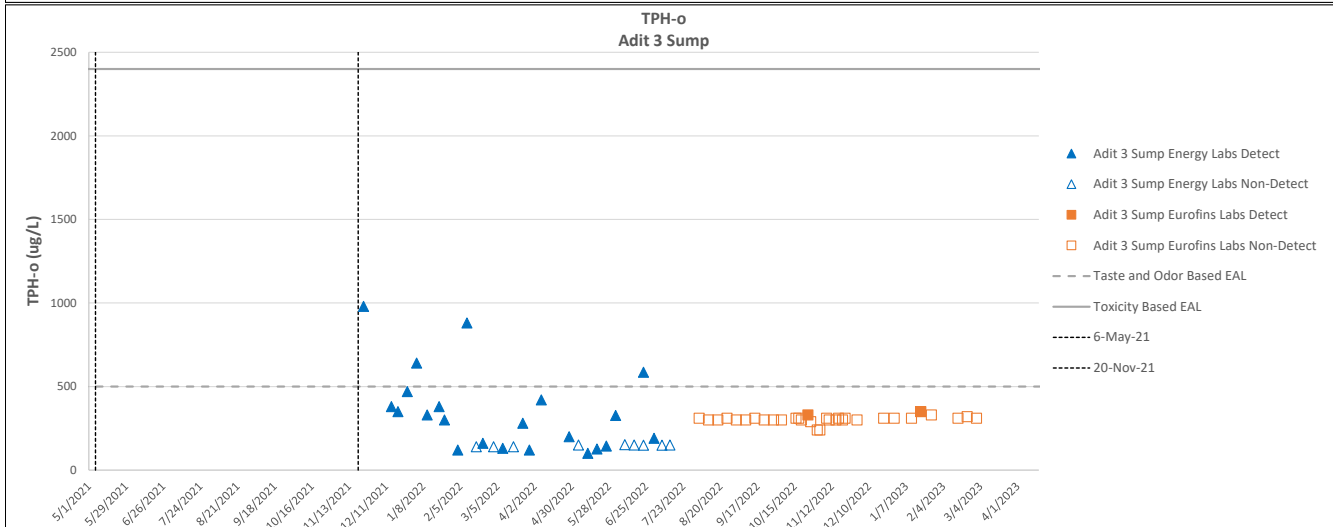
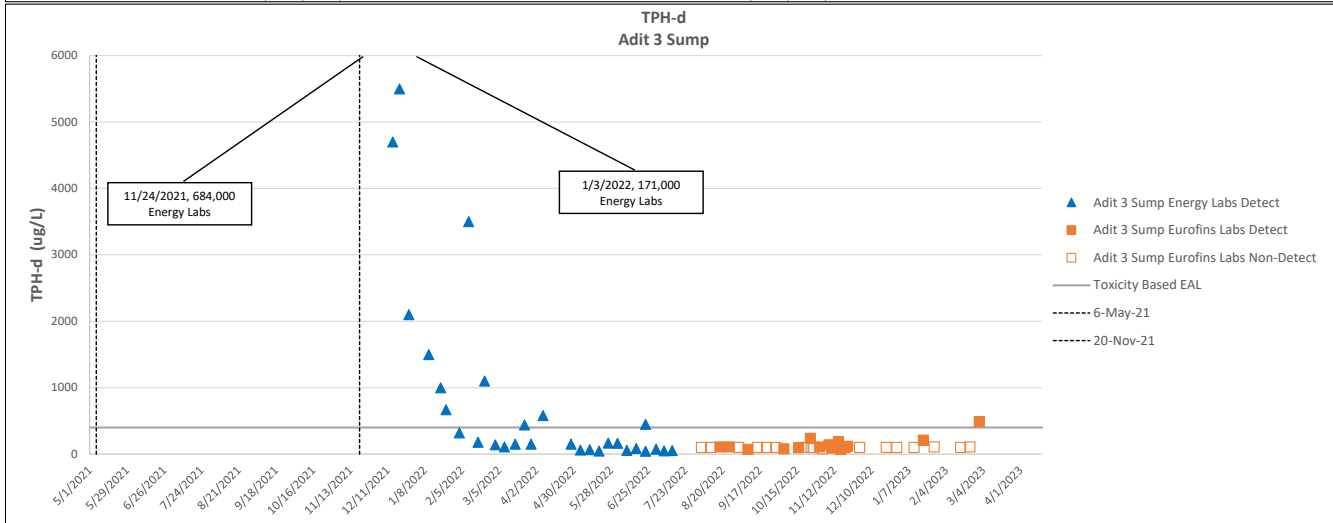
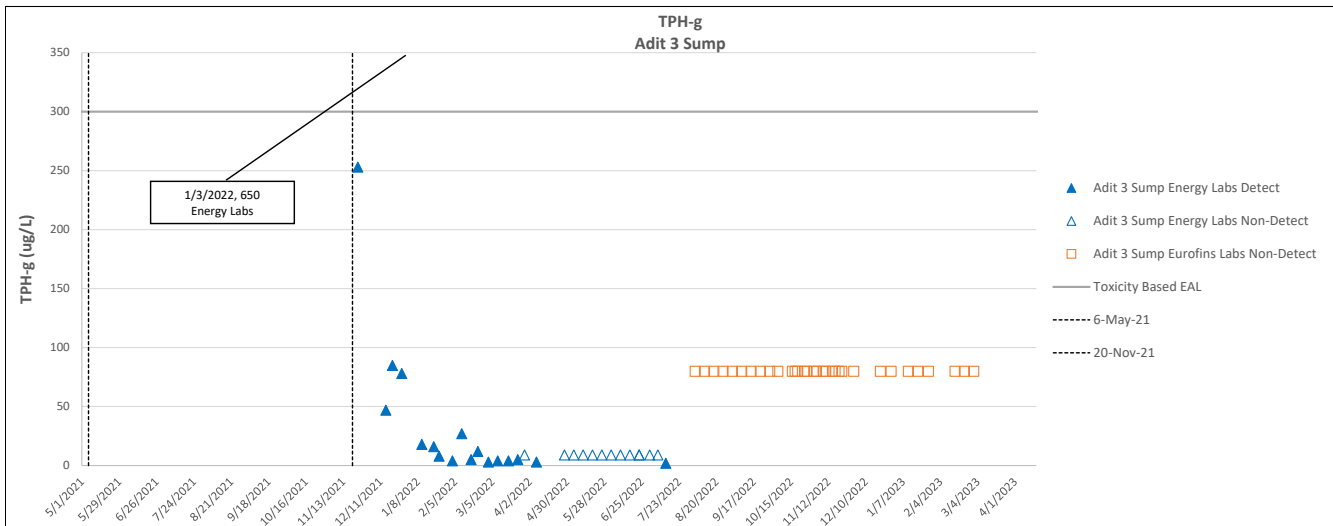












Notes:
¹ Sample collected on 12/20/2021 was reanalyzed due to inconsistency with historic trend and suspected container switch. Reanalysis results reported.

Appendix B.4.6 – Delineation Well Analytical Results

Appendix B.4.7 – Sentinel Well Analytical Results

Appendix B.4.7
Sentinel Wells
Validated Chemistry Results
JBPHH Site Characterization

Category							TPH						TPH_SGC				VOC						SVOC							
Analyte							C6-C10 Gasoline Range Organics		C10-C24 Petroleum Hydrocarbons		C24-C40 Petroleum Hydrocarbons		C10-C24 Petroleum Hydrocarbons		C24-C40 Petroleum Hydrocarbons		Benzene	Ethylbenzene	m,p-Xylene	o-Xylene	Toluene	Xylenes, Total	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene					
CAS No.							--		--		--		--		71-43-2	100-41-4	--	95-47-6	108-88-3	1330-20-7	90-12-0	91-57-6	91-20-3							
Method							8260/ CALUFT DOD		8015D		8015D		8015D		8015D		8260D	8260D	8260D	8260D	8260D	8260D	8270E SIM	8270E SIM	8270E SIM					
DOH Tier 1 EAL							300		400		500		400		500		5	30			40	20	10	10	17					
Units							µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L					
Minimum							ND		70	J	180	J	ND		ND		ND		ND		ND		ND		ND					
Maximum							ND		220	J-	310	J-	ND		ND		ND		ND		ND		ND		ND					
Location	Sampling Method	Laboratory	Field Sample ID	Sample Date	Sample Type	Result Status																								
NMW24	Bailer	EUT2	NMW24-WGN01B-2212WK2	12-13-2022	Primary	V	80.0 U	190		240 J	100 U	310 U	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0810 U	0.0810 U	0.410 U							
NMW24	Bailer	EUT2	NMW24-WGN01B-2212WK3	12/22/2022	Primary	V	80.0 U	94.0 J-		310 UJ	100 U	310 U	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0820 U	0.0820 U	0.410 U							
NMW24	Bailer	EUT2	NMW24-WGN01B-2212WK4	12-29-2022	Primary	V	80.0 U	220 J-		310 J-	96.0 UJ	290 UJ	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0780 U	0.0780 U	0.390 UJ							
NMW24	Bailer	EUT2	NMW24-WGN01B-2301WK1	01/05/2023	Primary	V	80.0 U	100 U		310 U	-	-	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0810 U	0.0810 U	0.410 U							
NMW24	Bailer	EUT2	NMW24-WGN01B-2301WK2	01-11-2023	Primary	V	80.0 U	100 J		180 J	100 U	310 U	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0820 U	0.0820 U	0.410 U							
NMW24	Bailer	EUT2	NMW24-WGN01B-2301WK3	01-18-2023	Primary	V	80.0 U	110 U		320 U	-	-	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0810 U	0.0810 U	0.410 U							
NMW24	Bailer	EUT2	NMW24-WGN01B-2301WK4	01/26/2023	Primary	V	80.0 U	70 J		300 U	100 U	300 U	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0820 U	0.0820 U	0.410 U							
NMW24	Bailer	EUT2	NMW24-WGN01B-2301WK5	02/01/2023	Primary	V	80.0 U	100 U		310 U	-	-	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0830 U	0.0830 U	0.410 U							
NMW24	Bailer	EUT2	NMW24-WGN01B-2302WK1	02/08/2023	Primary	V	80.0 U	110 UJ		320 UJ	-	-	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0820 U	0.0820 U	0.410 U							
NMW24	Bailer	EUT2	NMW24-WGN01B-2302WK2	02-15-2023	Primary	V	80.0 U	99.0 U		300 U	-	-	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0770 U	0.0770 U	0.390 U							
NMW24	Bailer	EUT2	NMW24-WGFD01B-2302WK2	02-15-2023	Field Duplicate	V	80.0 U	100 U		310 U	-	-	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0830 U	0.0830 U	0.420 U							
NMW24	Bailer	EUT2	NMW24-WGN01B-2302WK3	02-22-2023	Primary	V	80.0 U	210		240 U	80 U	240 U	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0650 UJ	0.0650 UJ	0.32 UJ							
NMW24	Low-Flow	EUT2	NMW24-WGN01LF-2302WK4	03/01/2023	Primary	V	80.0 U	78.0 UJ		230 UJ	-	-	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0670 UJ	0.0670 UJ	0.340 UJ							
NMW24	Low-Flow	EUT2	NMW24-WGN01LF-2303WK1	03/06/2023	Primary	V	80.0 U	80.0 U		240 U	-	-	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0670 U	0.0670 U	0.330 U							
NMW24	Low-Flow	EUT2	NMW24-WGN01LF-2303WK2	03-13-2023	Primary	V	80.0 U	83.0 U		250 U	-	-	0.500 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.800 U	0.0670 U	0.0670 U	0.33 U							

Notes:
Detects are displayed in bold font.

SGC Silica Gel Cleanup
SVOC Semivolatile Organic Compound
TPH Total Petroleum Hydrocarbons
VOC Volatile Organic Compound
- No data available

Qualifiers
J- Estimated value, low biased
U The analyte was not detected and was reported as less than the limit of detection.
UJ The analyte was not detected and was reported as less than the limit of detection. However, the associated result is flagged as estimated based on quality control criteria concerns.

Laboratory
EUT2 Eurofins Environment Testing TestAmerica, Tacoma, WA

Appendix B.5 – Groundwater Monitoring Chromatograms through April 17, 2023

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01LF-2211WK1 Sample Date: 11/8/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 15-Nov-2022 19:15:58

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85802_b\1114aa22A031.D

Injection Date: 15-Nov-2022 03:19:45

Instrument ID: TAC129_R

Lims ID: 580-119865-N-14-A

Lab Sample ID: 580-119865-14

Client ID: RHMW2254-01-WGN01LF-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 16

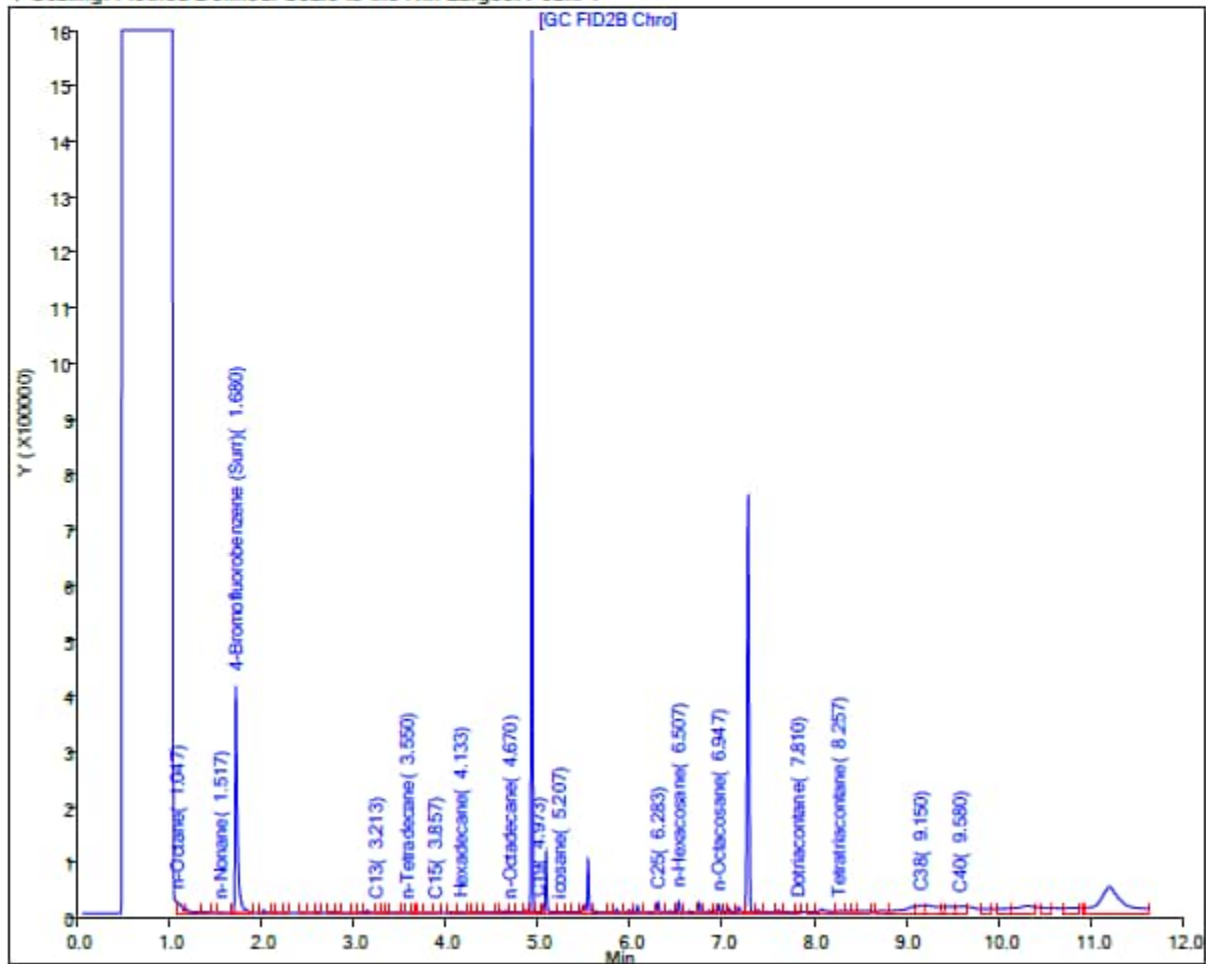
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN02B-2211WK1 Sample Date: 11/10/2022
Lab: Eurofins Seattle

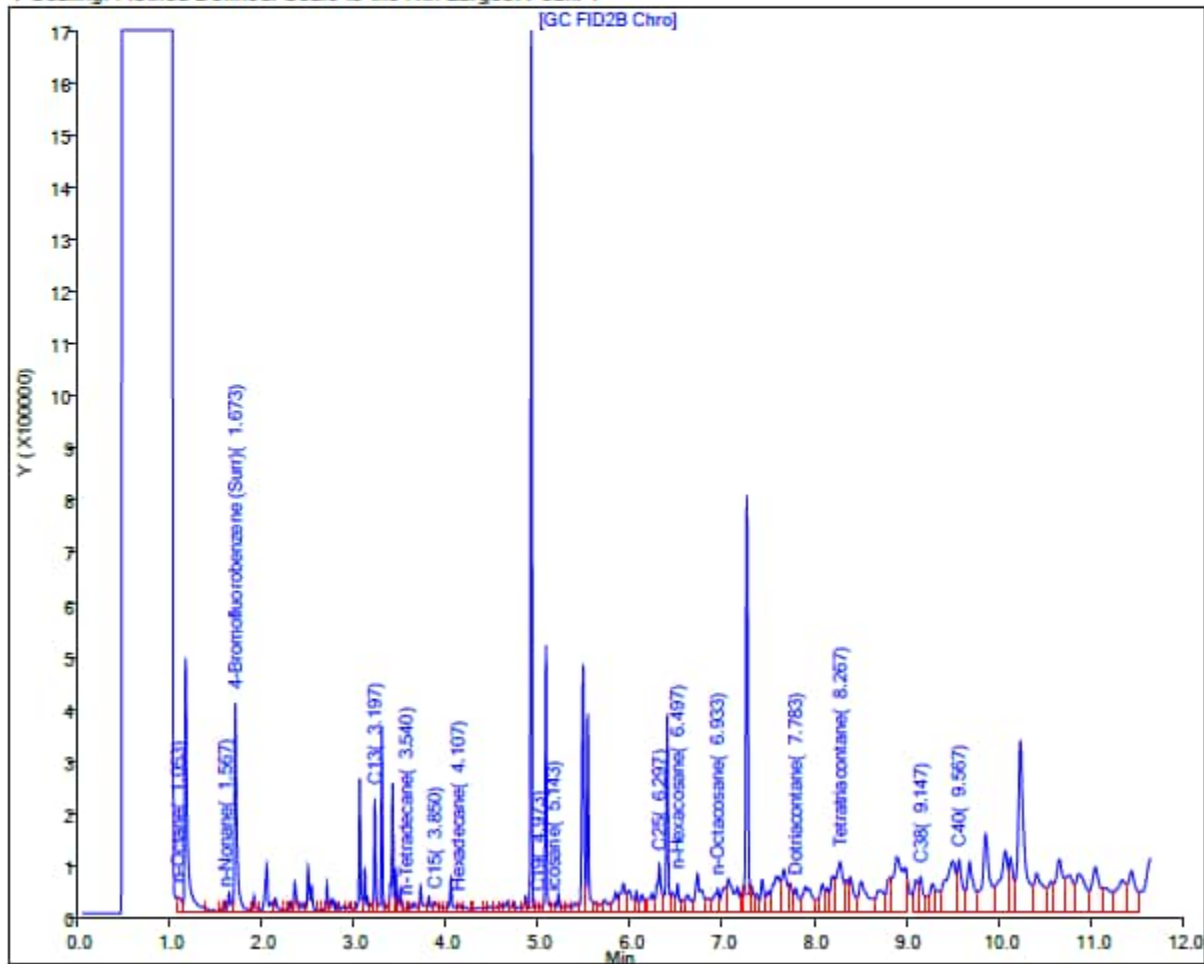
Results (ug/L): TPH-d (C10 to C24) 340

TPH-o (C24 to C40) 740

Report Date: 16-Dec-2022 20:08:50

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221215-86285.b\121622A035.D
Injection Date: 16-Dec-2022 15:55:05 Instrument ID: TAC129_R
Lims ID: 580-119967-O-5-A Lab Sample ID: 580-119967-5
Client ID: RHMW2254-01-WGN02B-2211WK1
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 16-Dec-2022 20:09:05

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221215-86285.b\121622A045.D

Injection Date: 16-Dec-2022 17:28:42

Instrument ID: TAC129_R

Lims ID: 580-119967-O-5-C

Lab Sample ID: 580-119967-5

Client ID: RHMW2254-01-WGN02B-2211WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 23

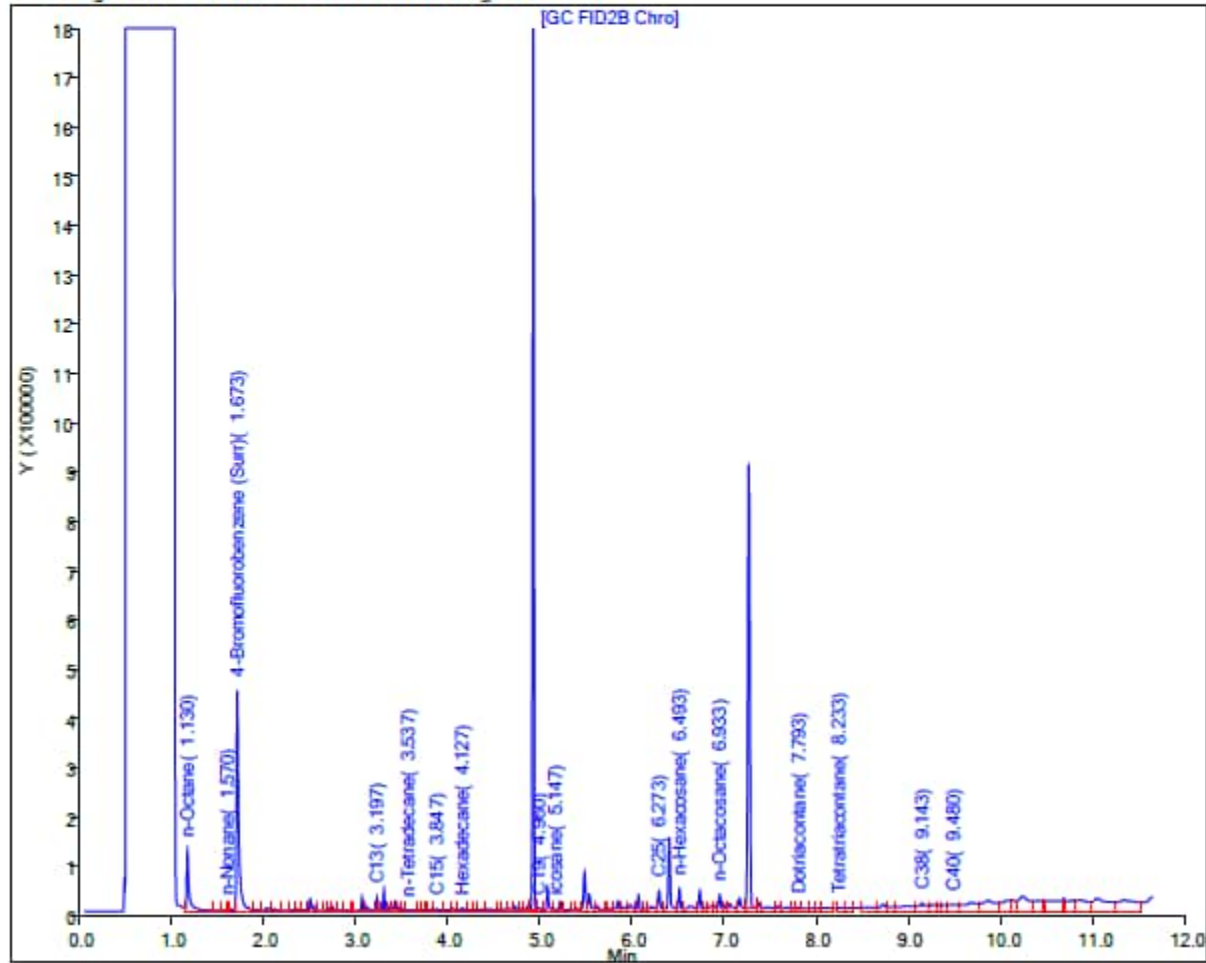
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



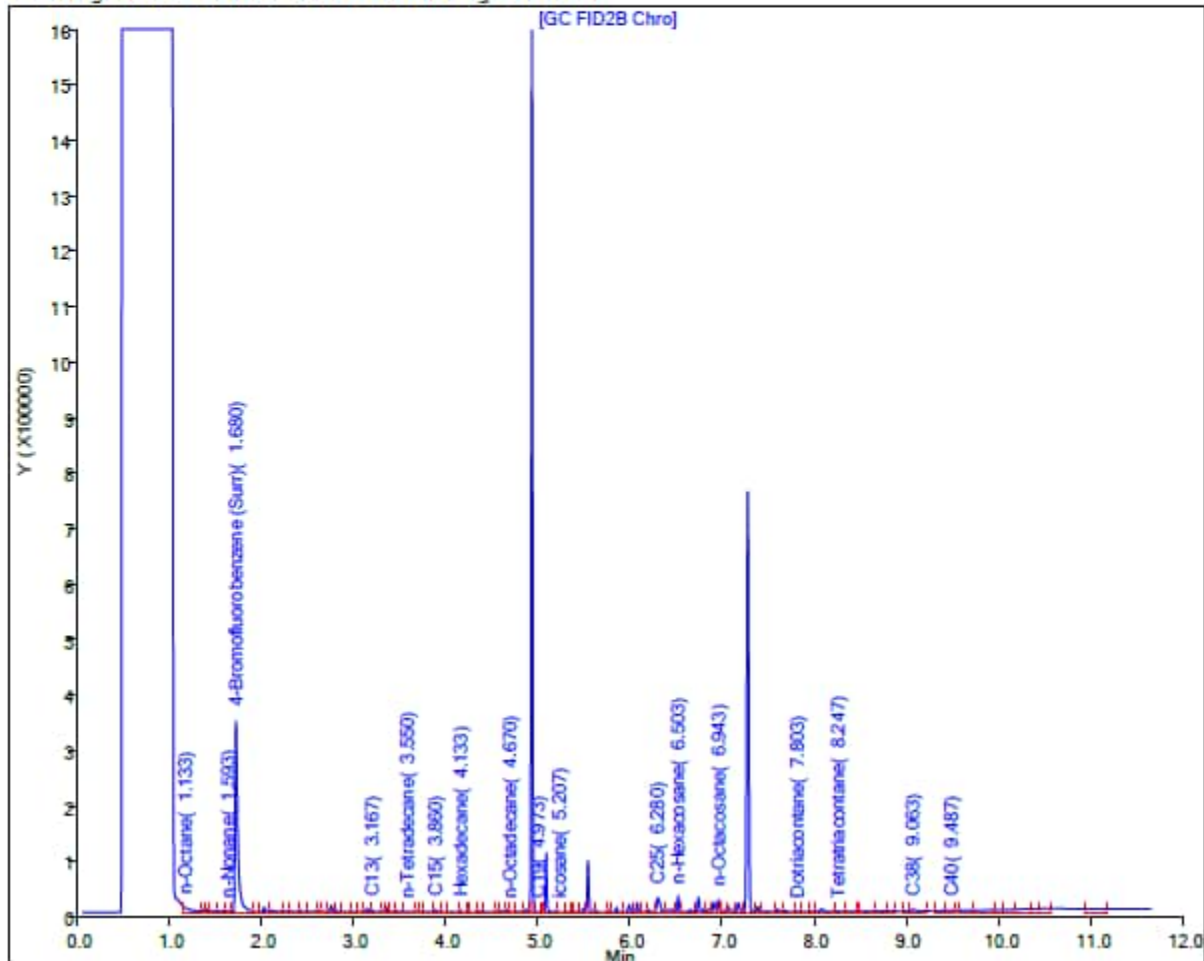
Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN02LF-2211WK1 Sample Date: 11/10/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 17-Nov-2022 11:55:09

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A047.D
Injection Date: 17-Nov-2022 05:11:46 Instrument ID: TAC129_R
Lims ID: 580-119993-O-13-A Lab Sample ID: 580-119993-13
Client ID: RHMW2254-01-WGN02LF-2211WK1
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 53
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

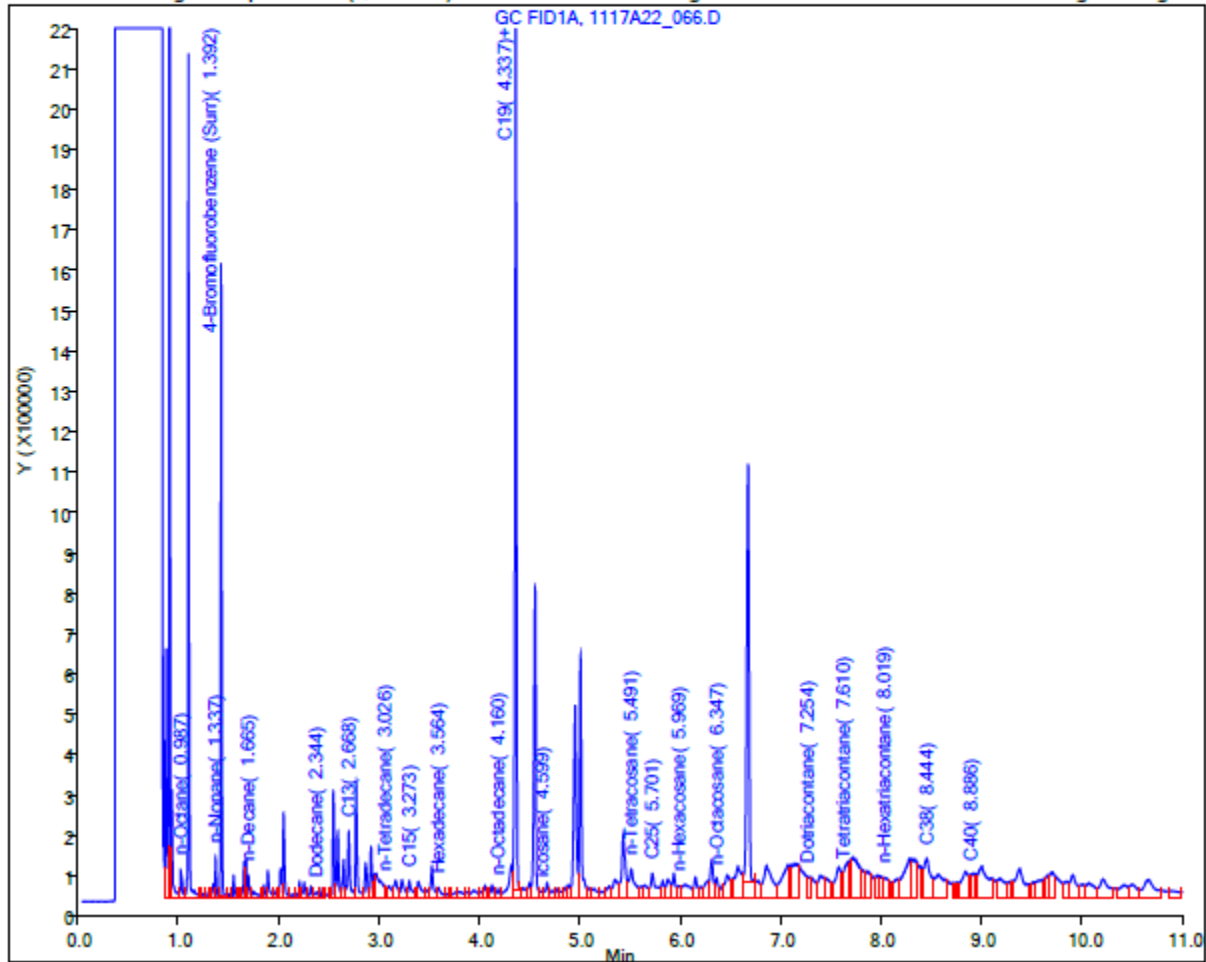


No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2211WK2 Sample Date: 11/15/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 350 TPH-o (C24 to C40) 560
Report Date: 18-Nov-2022 20:36:07 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_066.D
Injection Date: 18-Nov-2022 17:26:30 Instrument ID: TAC020
Lims ID: 580-120073-N-21-A Lab Sample ID: 580-120073-21
Client ID: RHMW2254-01-WGN01B-2211WK2
Operator ID: DH/CC ALS Bottle#: 65 Worklist Smp#: 68
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) 180
Report Date: 22-Nov-2022 15:06:35

TPH-o SGC (C24 to C40) <310 U

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_047.D

Injection Date: 22-Nov-2022 09:07:30

Instrument ID: TAC020

Lims ID: 580-120073-N-21-C

Lab Sample ID: 580-120073-21

Client ID: RHMW2254-01-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#: 46

Worklist Smp#: 45

Injection Vol: 1.0 ul

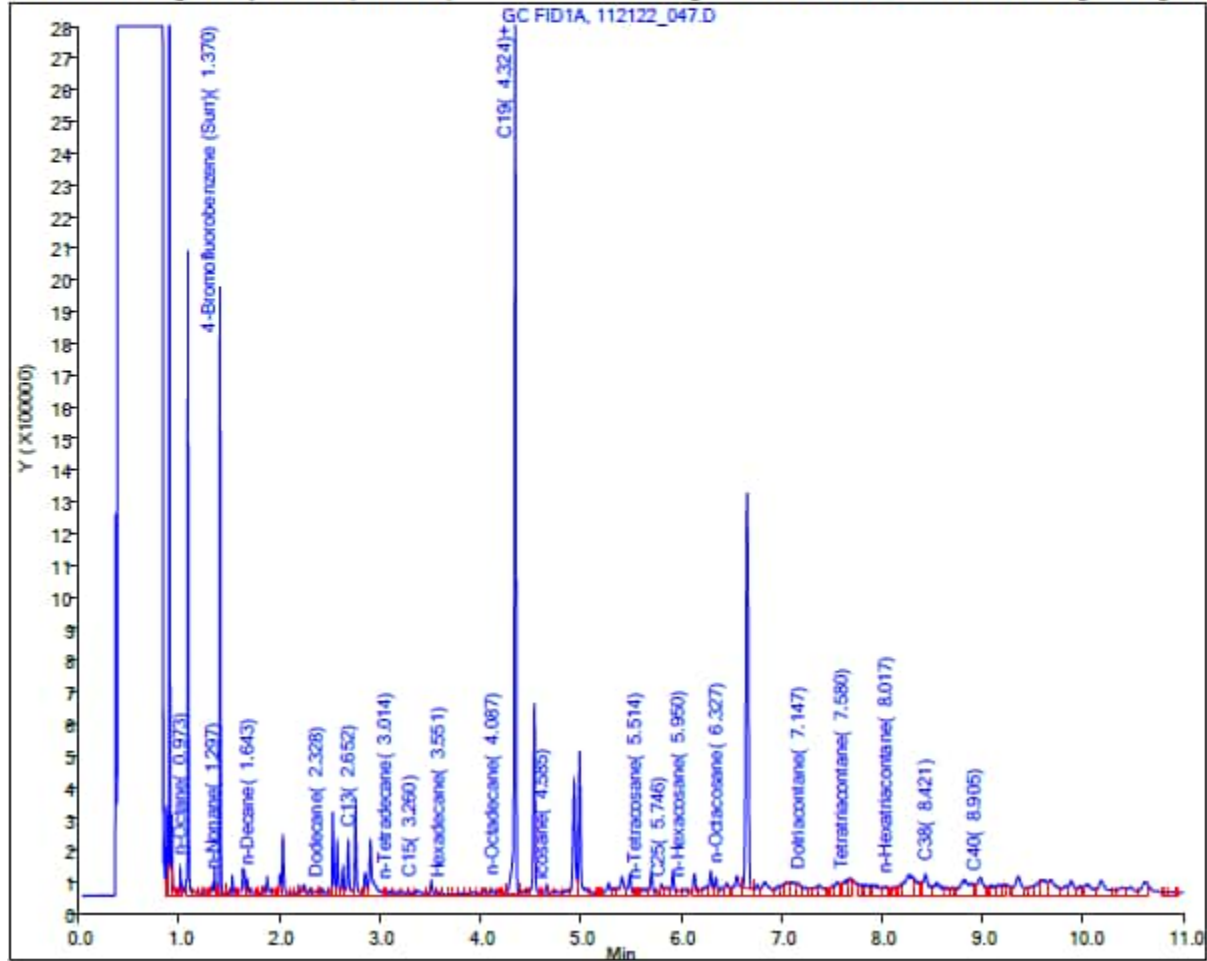
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



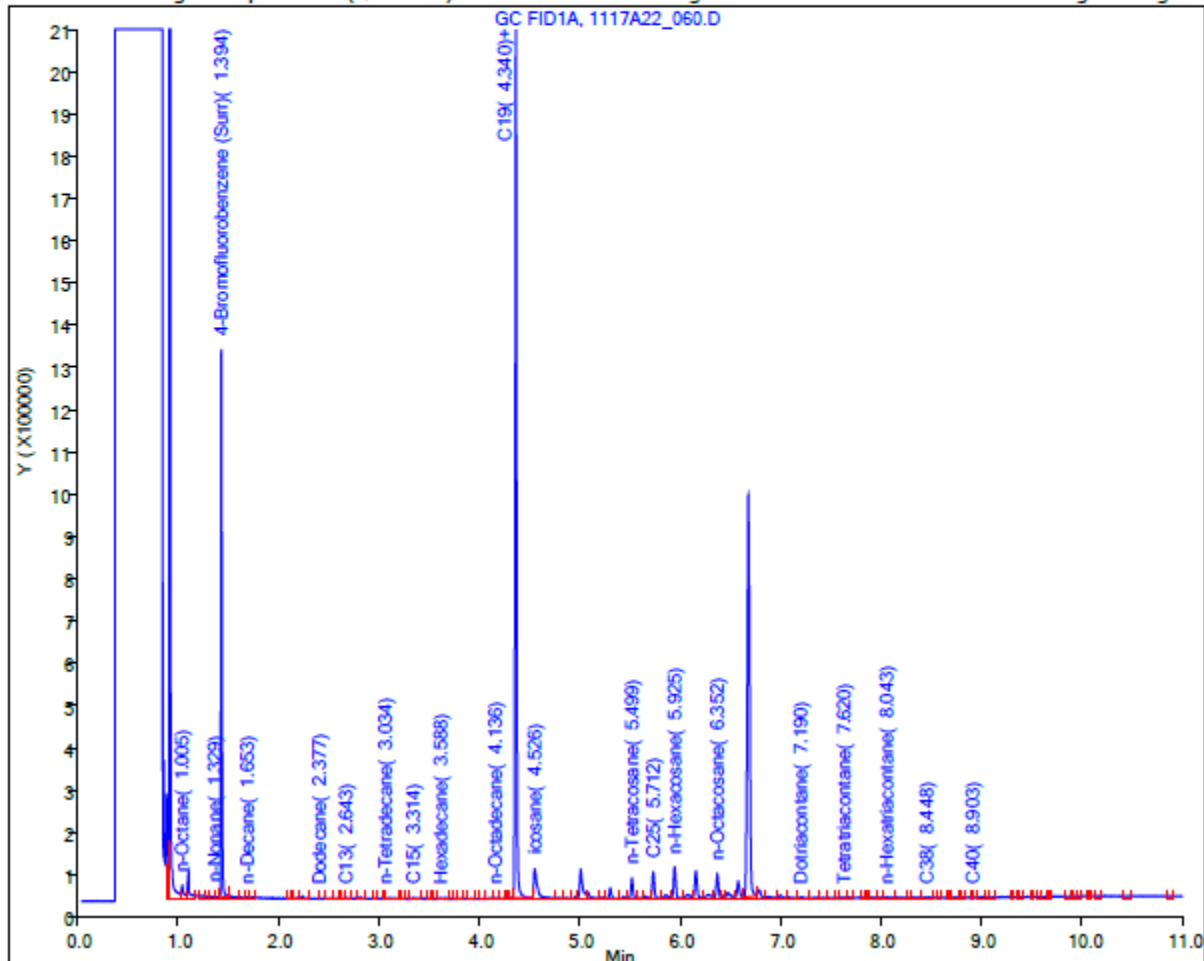
Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01LF-2211WK2 Sample Date: 11/15/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 18-Nov-2022 20:35:47

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_060.D
Injection Date: 18-Nov-2022 15:25:30 Instrument ID: TAC020
Lims ID: 580-120073-N-7-A Lab Sample ID: 580-120073-7
Client ID: RHMW2254-01-WGN01LF-2211WK2
Operator ID: DH/CC ALS Bottle#: 59 Worklist Smp#: 62
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

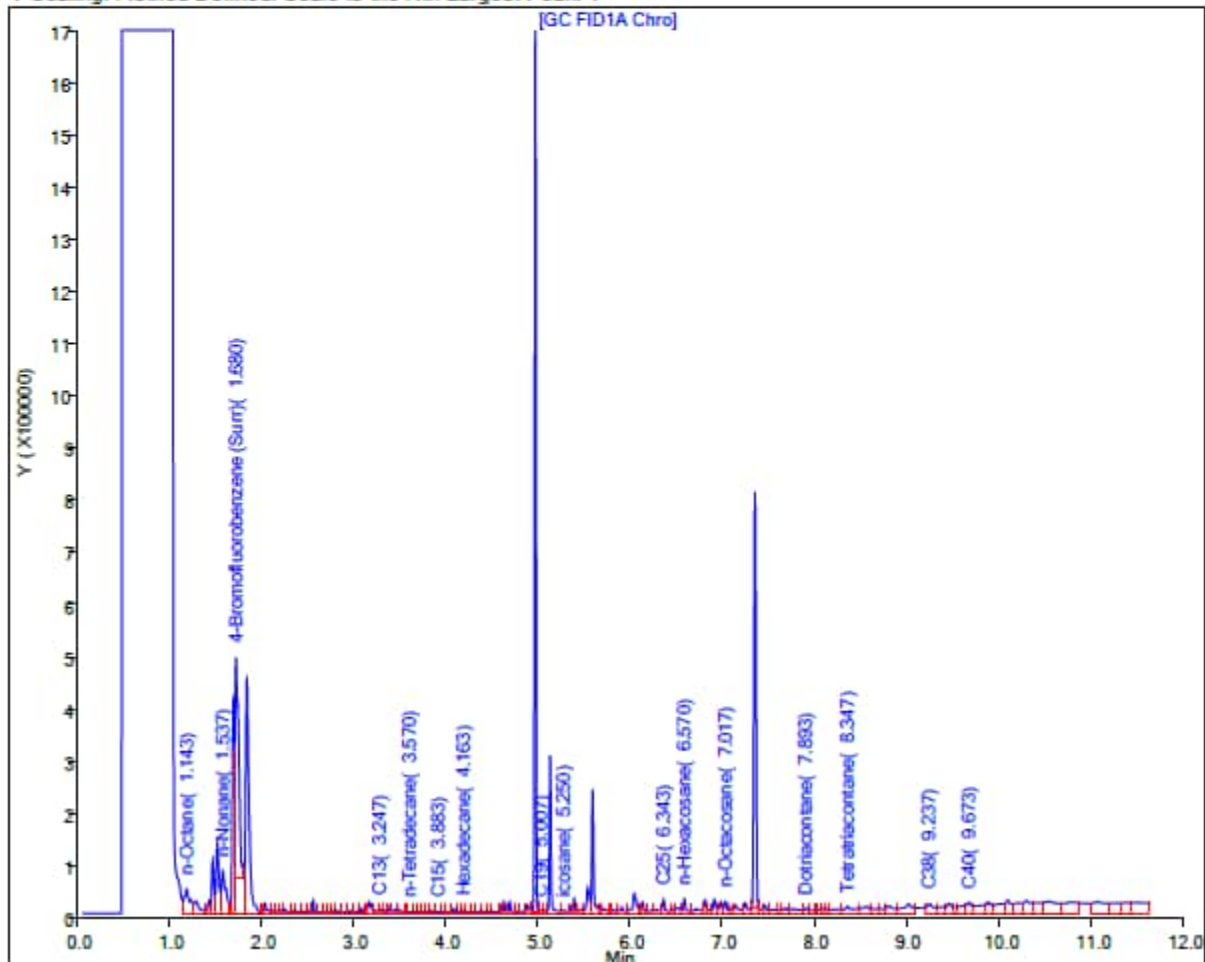
Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN02B-2211WK2 Sample Date: 11/17/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 78 J TPH-o (C24 to C40) <310 U

Report Date: 23-Nov-2022 12:55:23

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20221122-85931.b\1122ab22A066.D
Injection Date: 23-Nov-2022 02:38:22 Instrument ID: TAC129
Lims ID: 580-120199-N-13-A Lab Sample ID: 580-120199-13
Client ID: RHMW2254-01-WGN02B-2211WK2
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 58
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 30-Nov-2022 14:21:21

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221129-86014.b\112922_014.D

Injection Date: 29-Nov-2022 23:04:30

Instrument ID: TAC020

Lims ID: 580-120199-N-13-B

Lab Sample ID: 580-120199-13

Client ID: RHMW2254-01-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

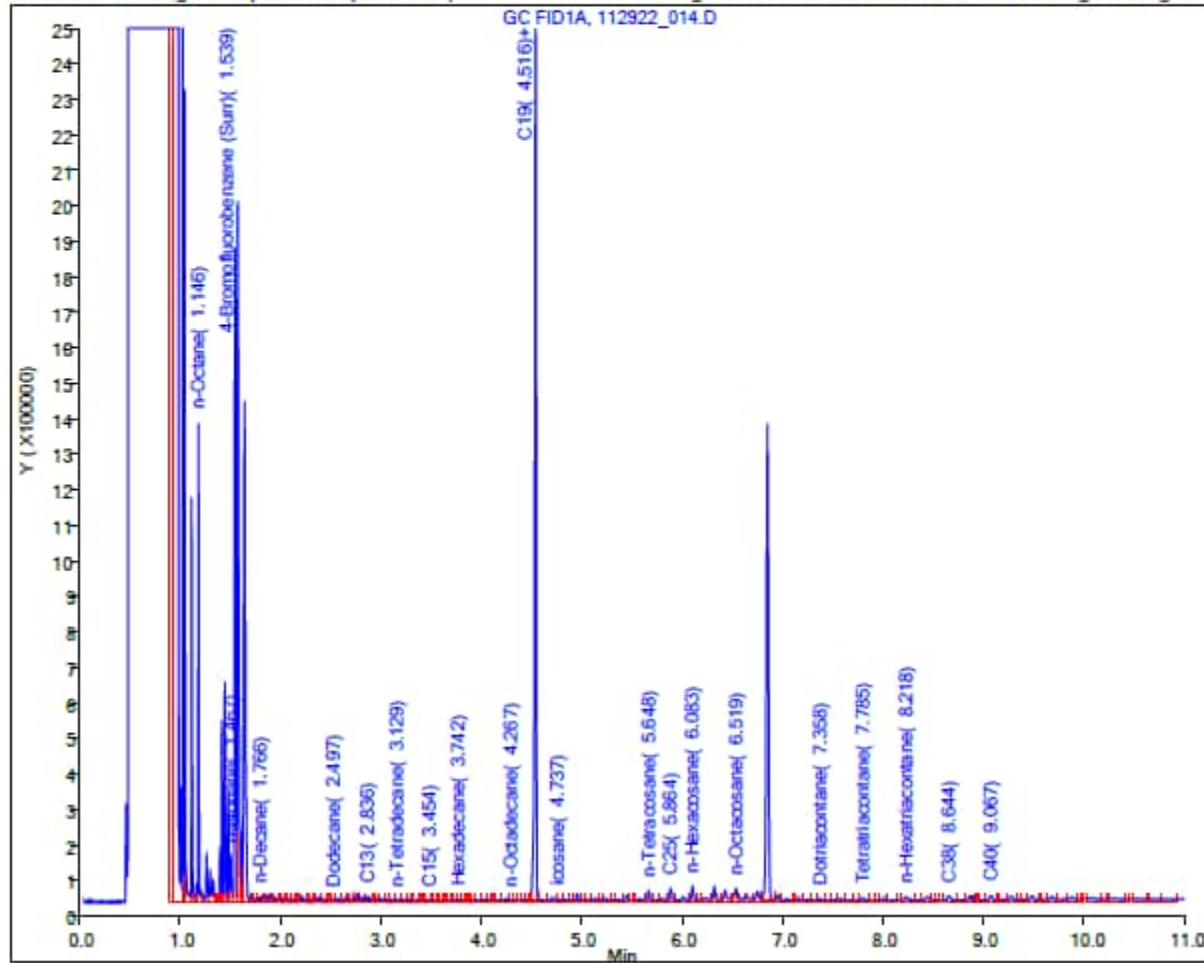
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



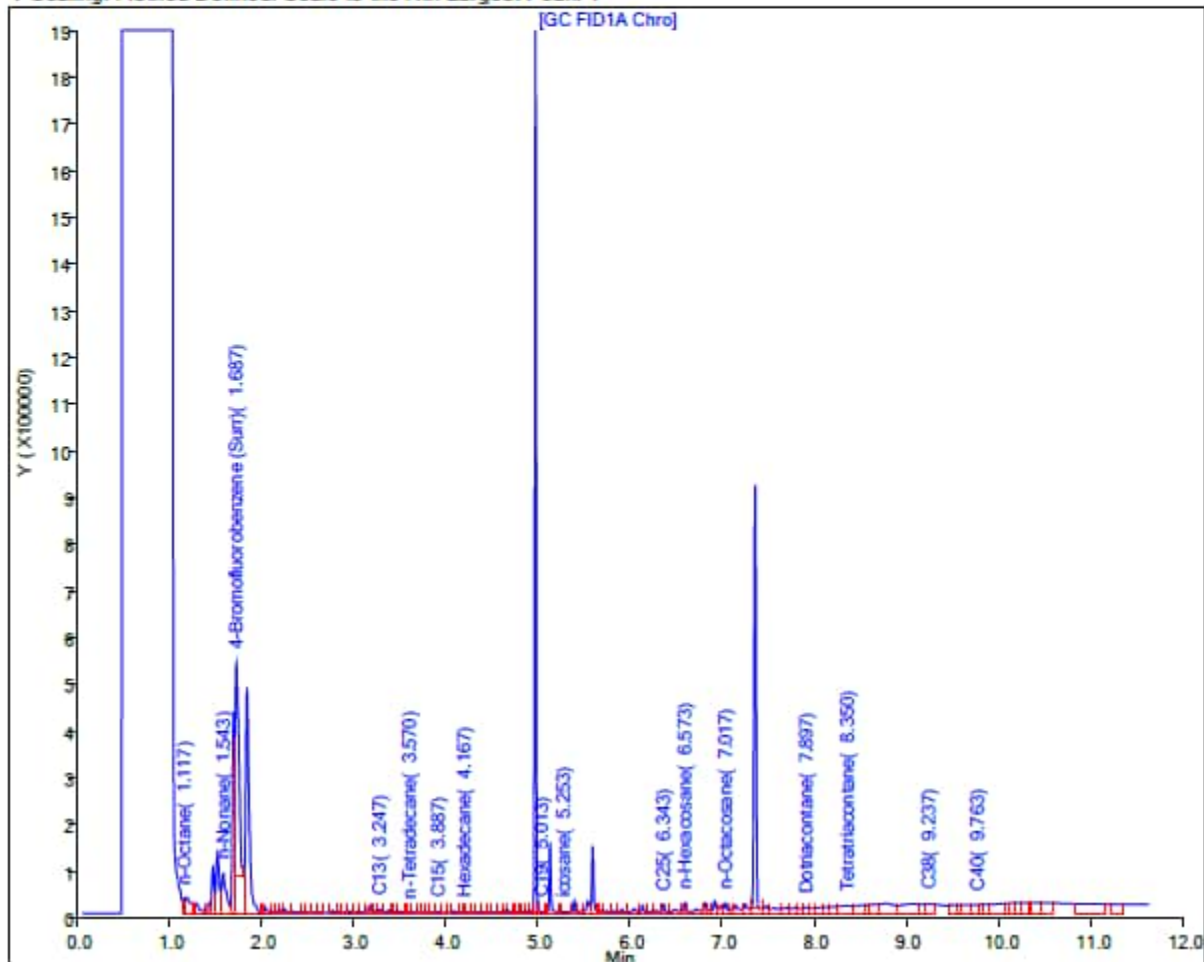
Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN02LF-2211WK2 Sample Date: 11/17/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 23-Nov-2022 12:55:20

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20221122-85931.b\1122ab22A064.D
Injection Date: 23-Nov-2022 02:19:54 Instrument ID: TAC129
Lims ID: 580-120199-O-11-A Lab Sample ID: 580-120199-11
Client ID: RHMW2254-01-WGN02LF-2211WK2
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 57
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2211WK4 Sample Date: 12/1/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 07-Dec-2022 13:01:18

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Data File: Eurofins Seattle

Injection Date: 07-Dec-2022 05:10:07 Instrument ID: TAC129_R

Lims ID: 580-120757-N-9-A

Lab Sample ID: 580-120757-9

Client ID: RHMW2254-01-WGN01B-2211WK4

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 29

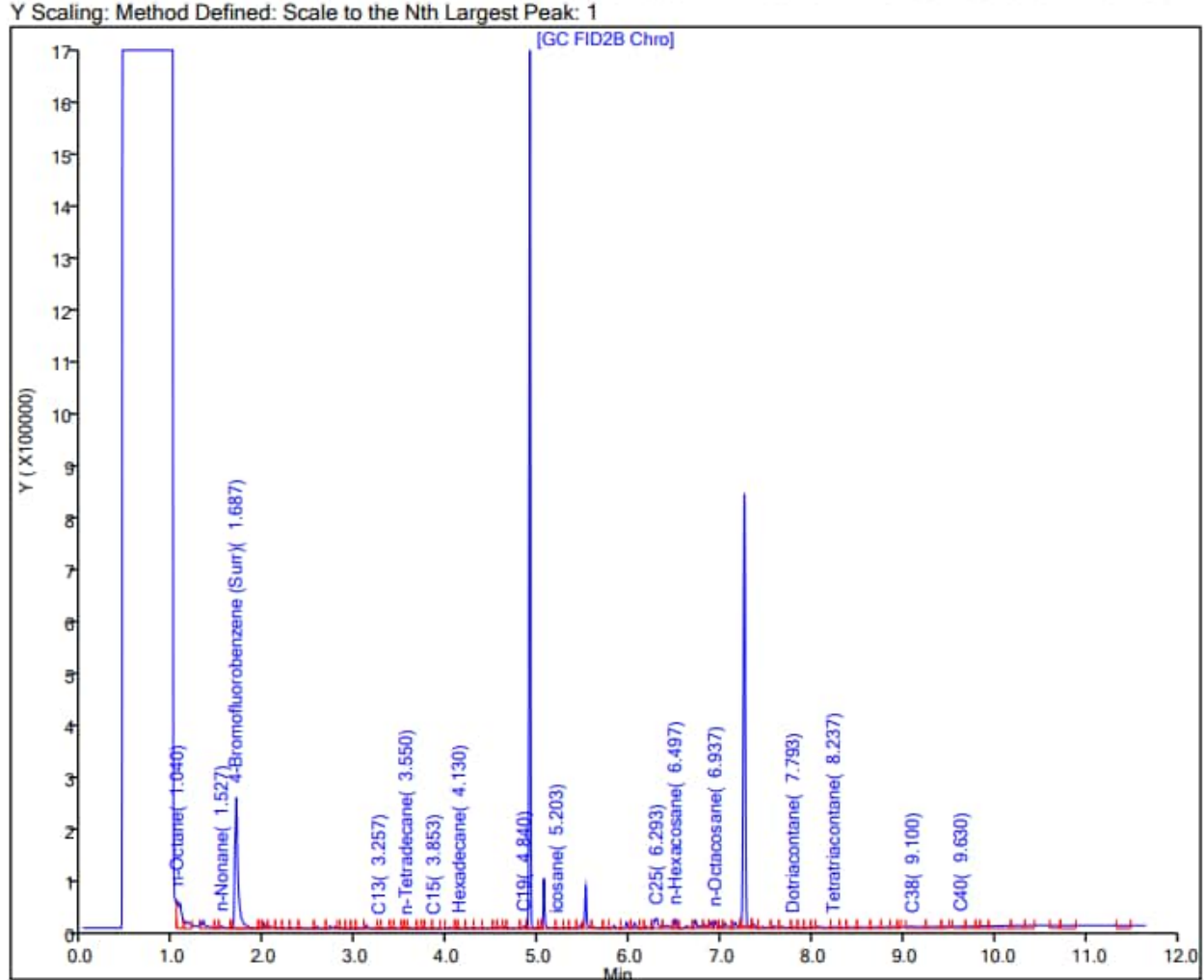
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2212WK2 Sample Date: 12/15/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

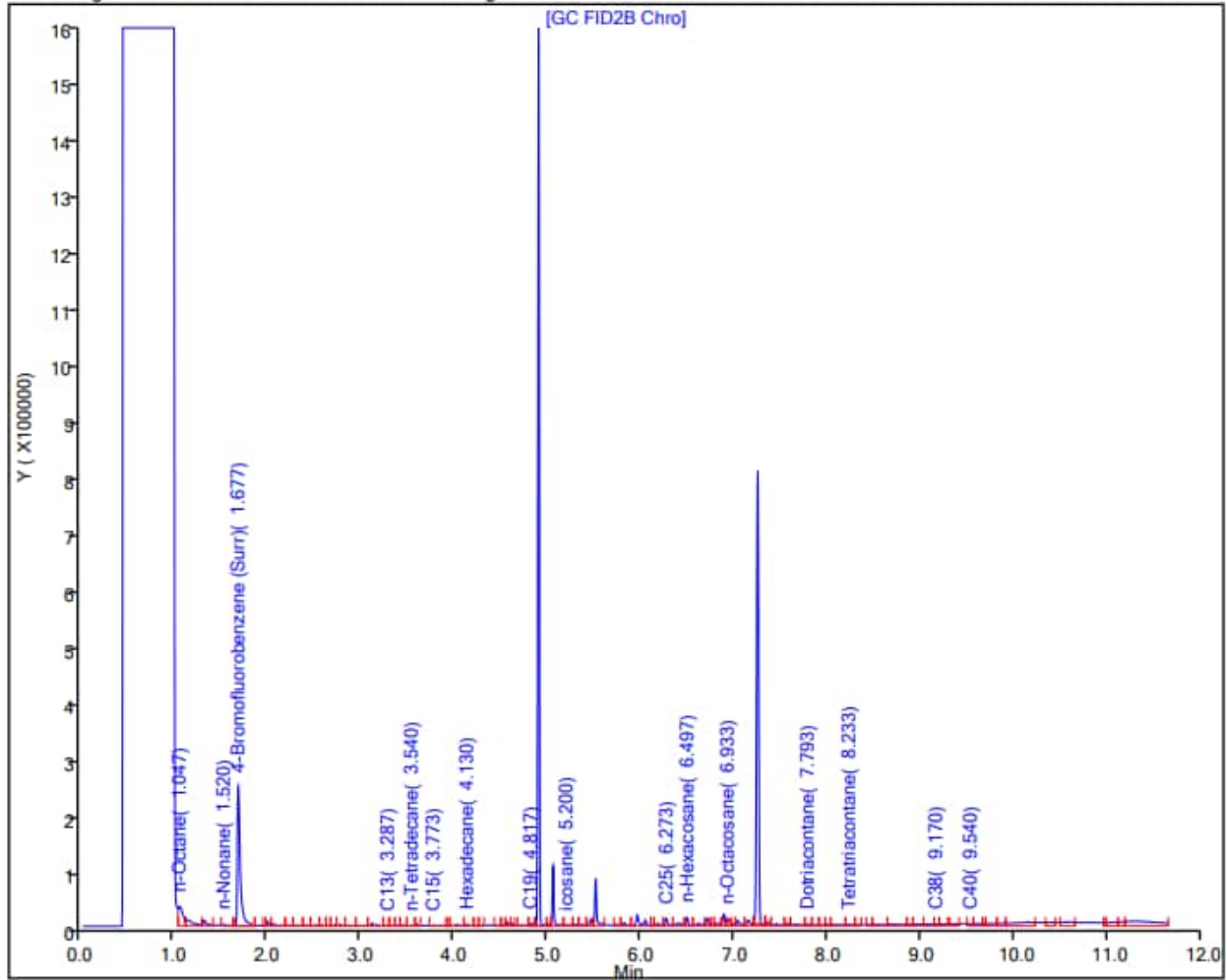
TPH-o (C24 to C40) <310 U

Report Date: 20-Dec-2022 18:48:42

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221219-86328.b\1219a22A035.D
Injection Date: 20-Dec-2022 03:30:20 Instrument ID: TAC129_R
Lims ID: 580-121357-O-1-A Lab Sample ID: 580-121357-1
Client ID: RHMW2254-01-WGN01B-2212WK2
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01LF-2212WK2 Sample Date: 12/15/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

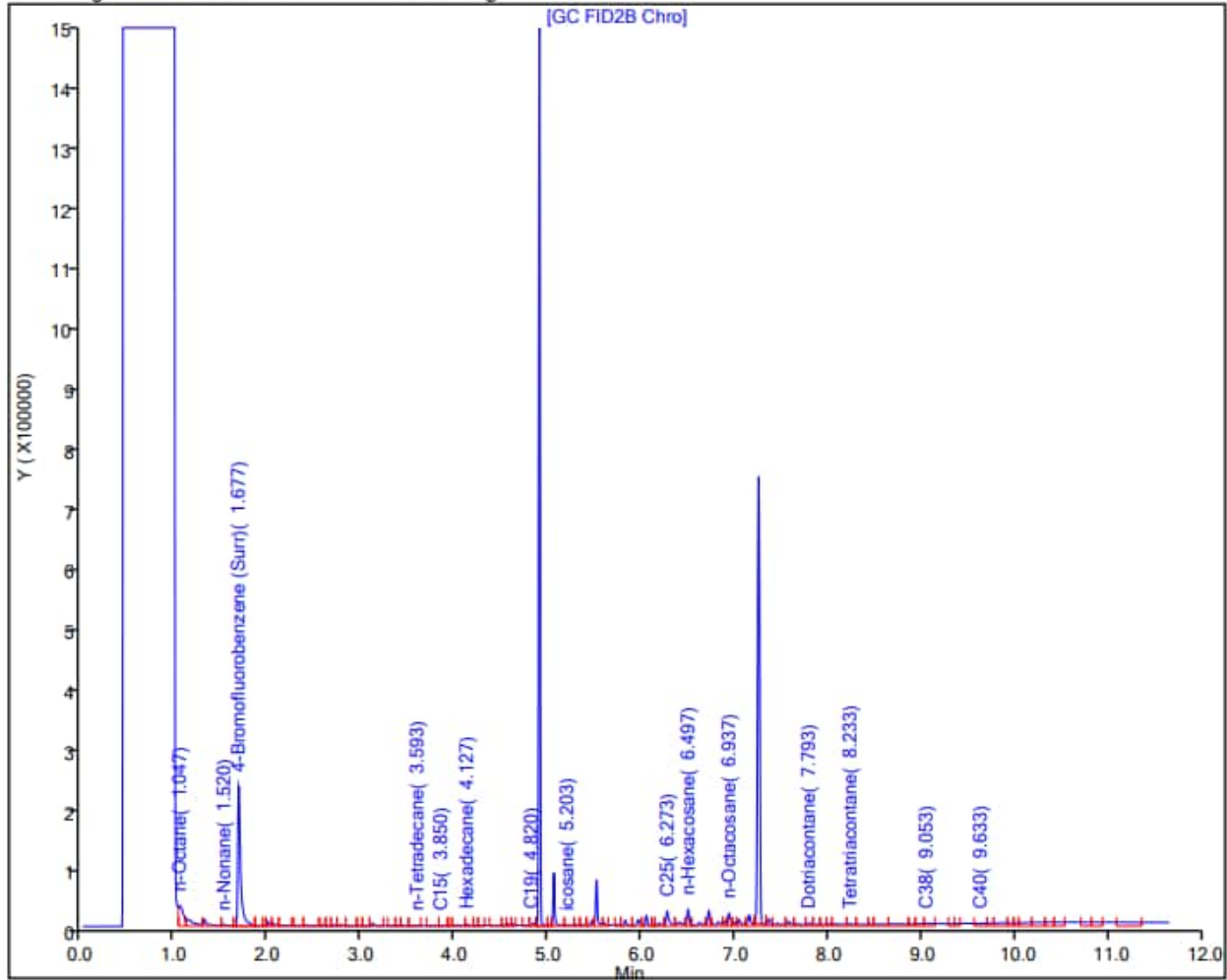
TPH-o (C24 to C40) <310 U

Report Date: 20-Dec-2022 18:48:44

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221219-86328.b\1219a22A037.D
Injection Date: 20-Dec-2022 03:48:51 Instrument ID: TAC129_R
Lims ID: 580-121357-O-4-A Lab Sample ID: 580-121357-4
Client ID: RHMW2254-01-WGN01LF-2212WK2
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2212WK3 Sample Date: 12/21/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 23-Jan-2023 15:25:39

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_008.D

Injection Date: 23-Jan-2023 12:25:51

Instrument ID: TAC020

Lims ID: 580-121570-E-11-A

Lab Sample ID: 580-121570-11

Client ID: RHMW2254-01-WGN01B-2212WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 8

Injection Vol: 1.0 ul

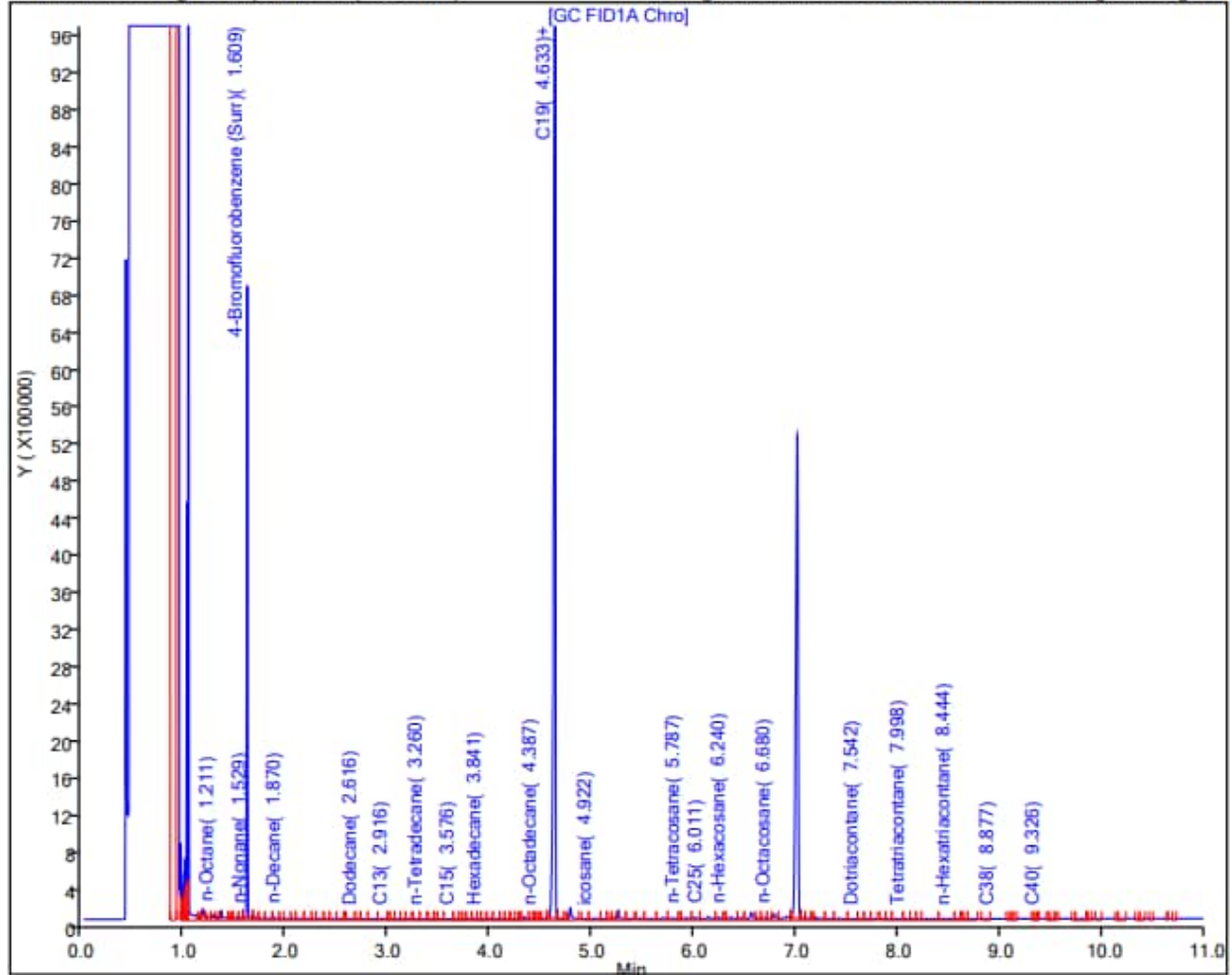
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01LF-2212WK3 Sample Date: 12/21/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 23-Jan-2023 15:25:35

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_007.D

Injection Date: 23-Jan-2023 12:05:43

Instrument ID: TAC020

Lims ID: 580-121570-E-9-A

Lab Sample ID: 580-121570-9

Client ID: RHMW2254-01-WGN01LF-2212WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 7

Injection Vol: 1.0 ul

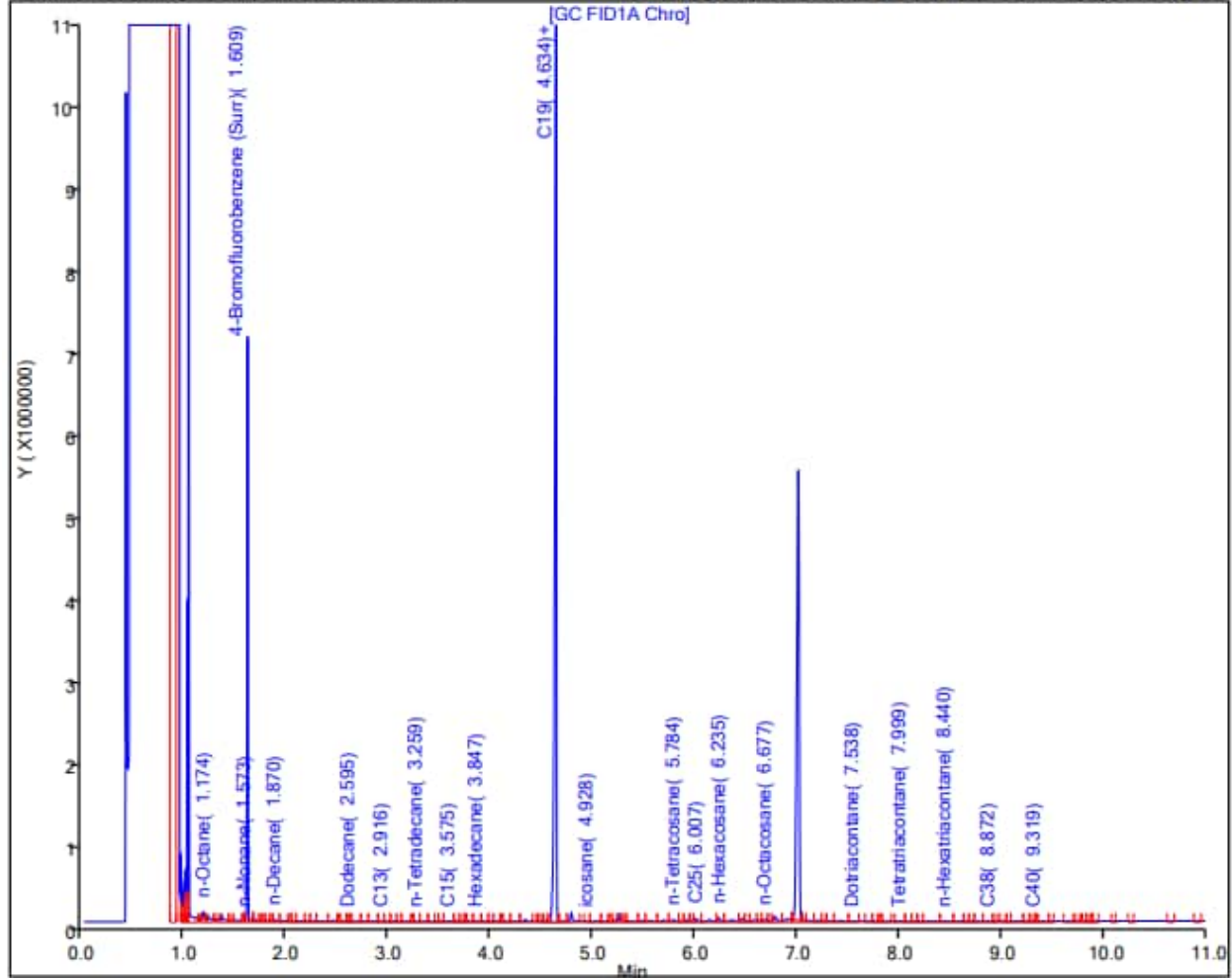
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2212WK4 Sample Date: 12/29/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 11-Jan-2023 14:11:40

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A033.D

Injection Date: 06-Jan-2023 17:52:29

Instrument ID: TAC129_R

Lims ID: 580-121697-F-10-A

Lab Sample ID: 580-121697-10

Client ID: RHMW2254-01-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 46

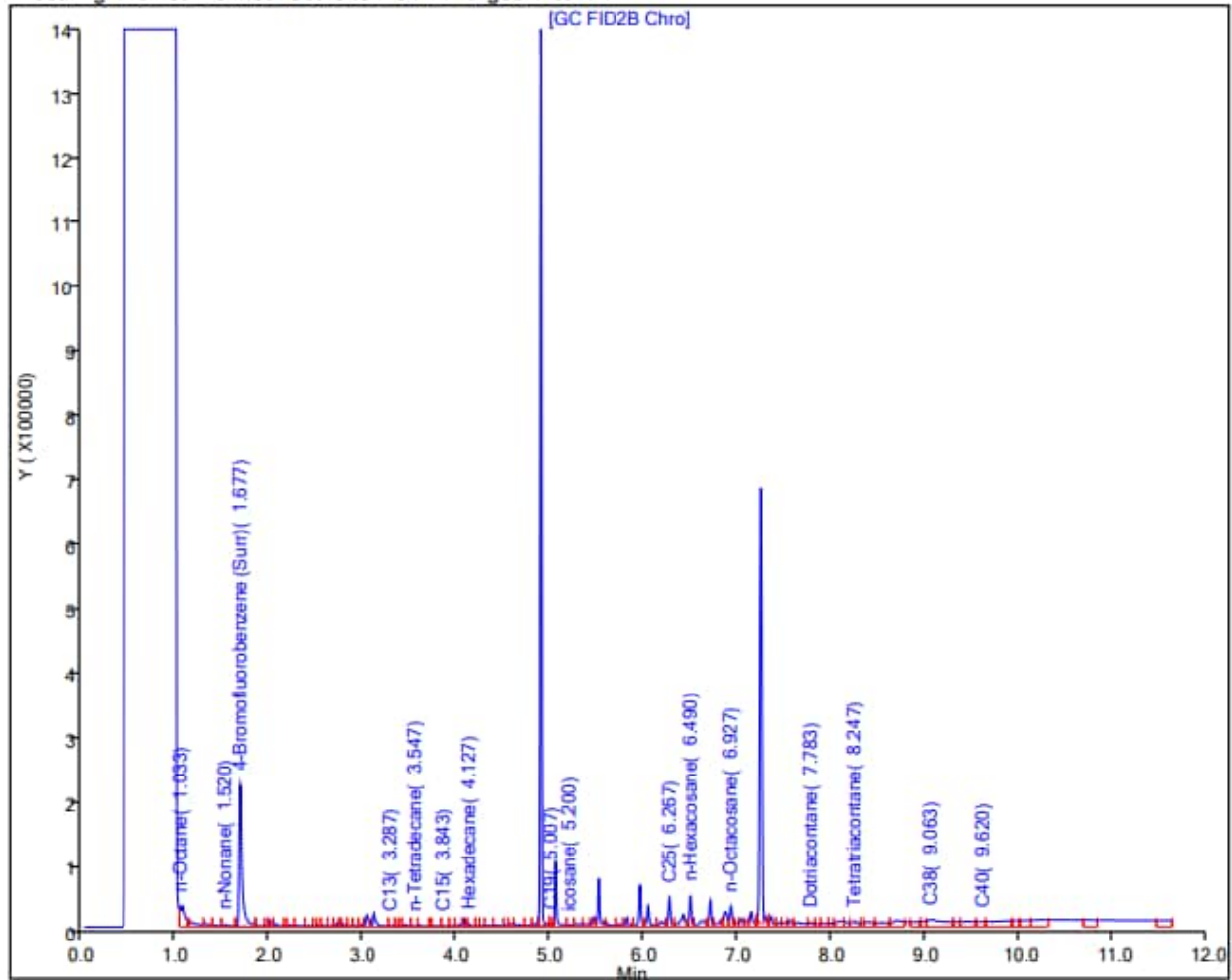
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01LF-2212WK4 Sample Date: 12/29/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 11-Jan-2023 14:11:37

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A031.D

Injection Date: 06-Jan-2023 17:33:39

Instrument ID: TAC129_R

Lims ID: 580-121697-F-8-A

Lab Sample ID: 580-121697-8

Client ID: RHMW2254-01-WGN01LF-2212WK4

Operator ID: CC

ALS Bottle#: 0

Worklist Smp#: 45

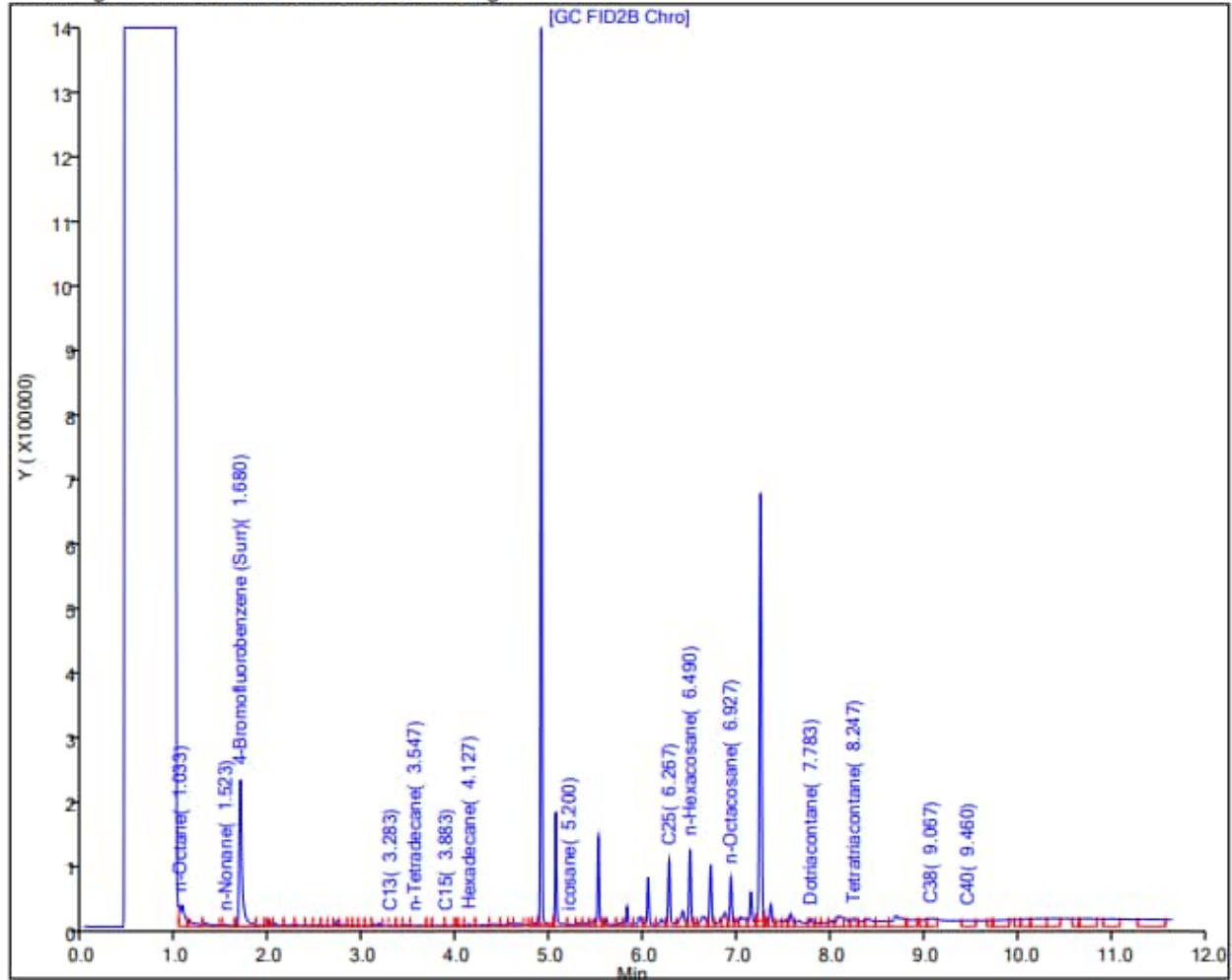
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2301WK2 Sample Date: 1/11/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 66 J

TPH-o (C24 to C40) <300 U

Report Date: 20-Jan-2023 14:14:18

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230120-86765.b\012023A013.D

Injection Date: 20-Jan-2023 10:29:02

Instrument ID: TAC129_R

Lims ID: 580-122214-N-9-A

Lab Sample ID: 580-122214-9

Client ID: RHMW2254-01-WGN01B-2301WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 6

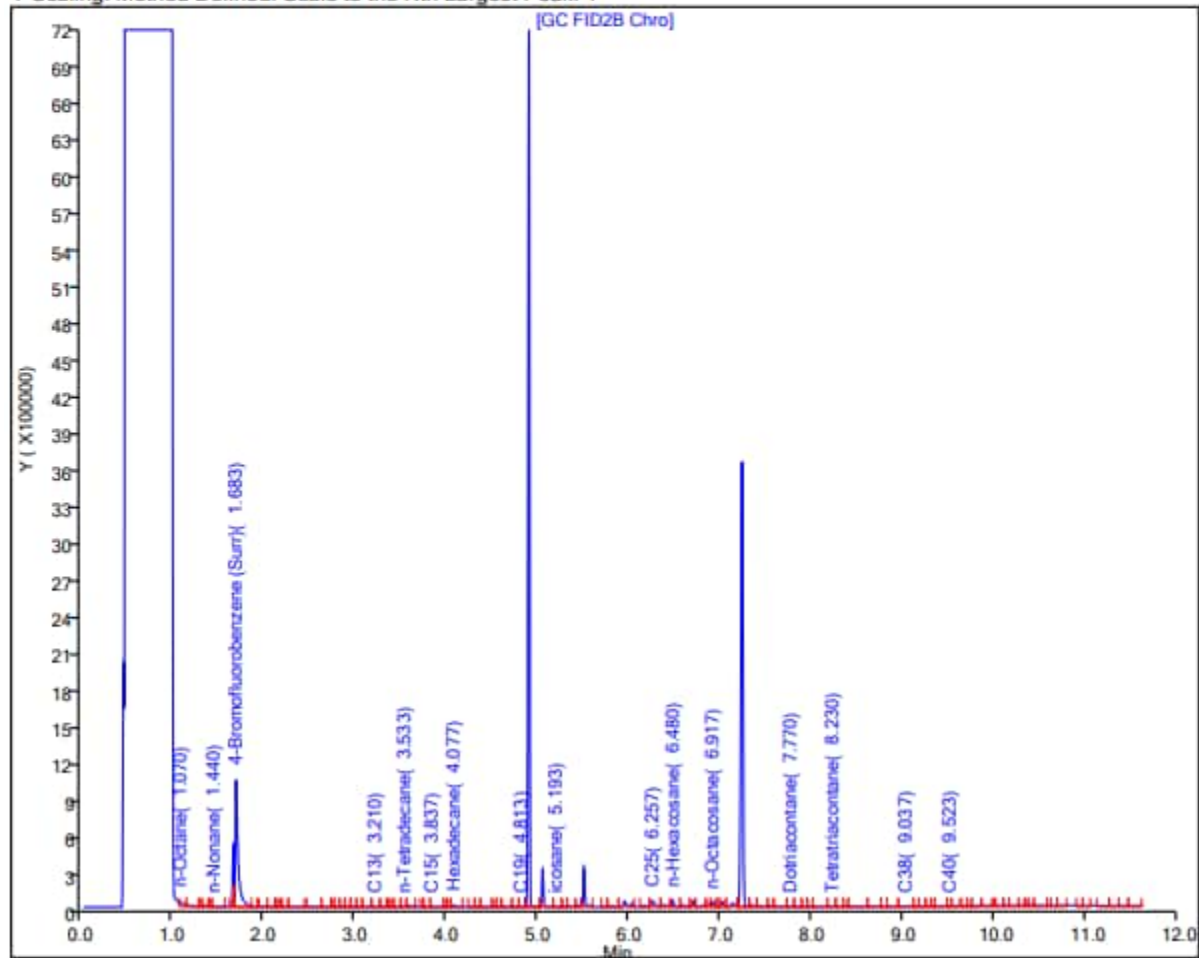
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 26-Jan-2023 08:13:28

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230125-86822.b\012523A040.D

Injection Date: 26-Jan-2023 00:58:17

Instrument ID: TAC129

Lims ID: 580-122214-N-9-B

Lab Sample ID: 580-122214-9

Client ID: RHMW2254-01-WGN01B-2301WK2

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 20

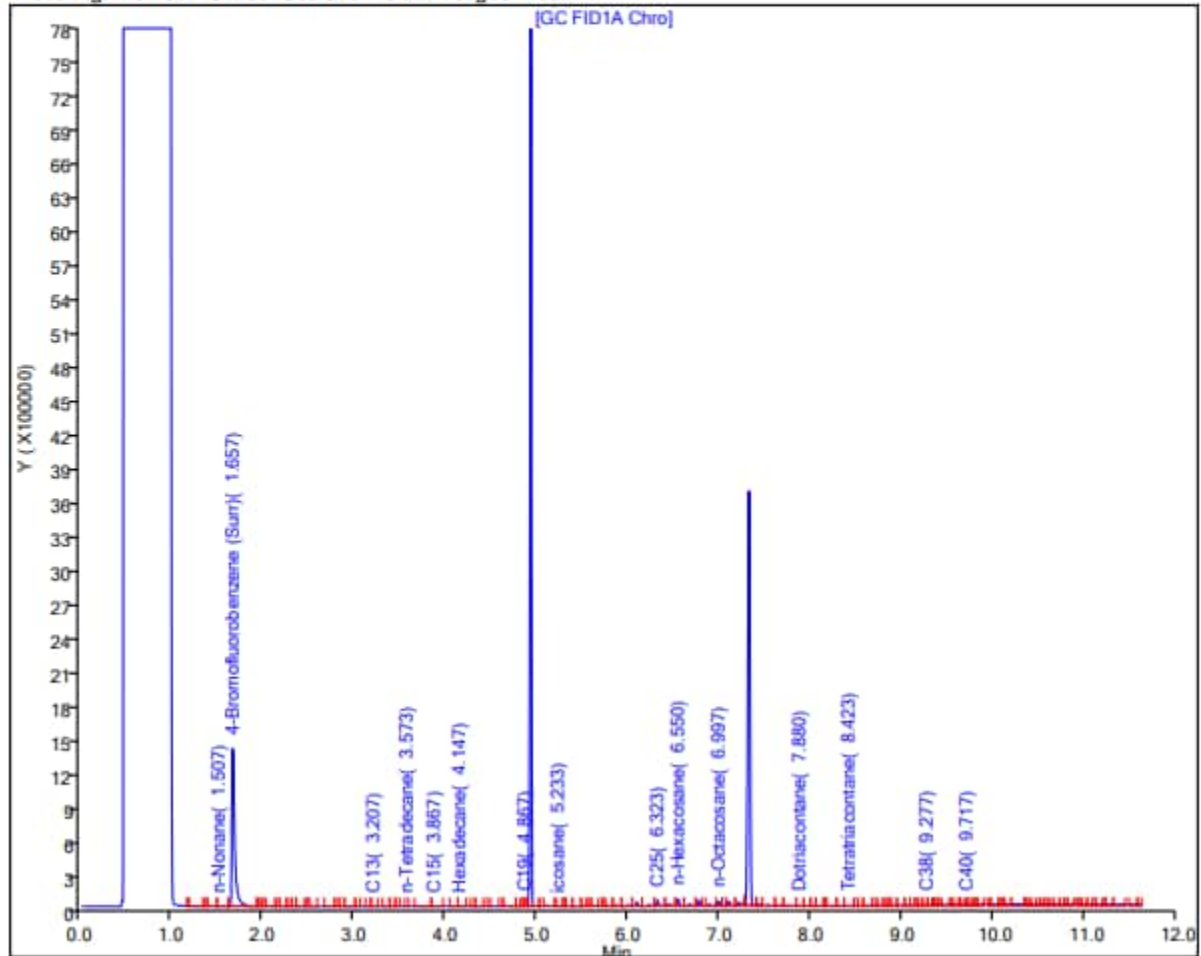
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01LF-2301WK2 Sample Date: 1/11/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 19-Jan-2023 08:07:37

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230118-86742.b\011823A034.D

Injection Date: 18-Jan-2023 23:01:23

Instrument ID: TAC129

Lims ID: 580-122214-N-5-A

Lab Sample ID: 580-122214-5

Client ID: RHMW2254-01-WGN01LF-2301WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 17

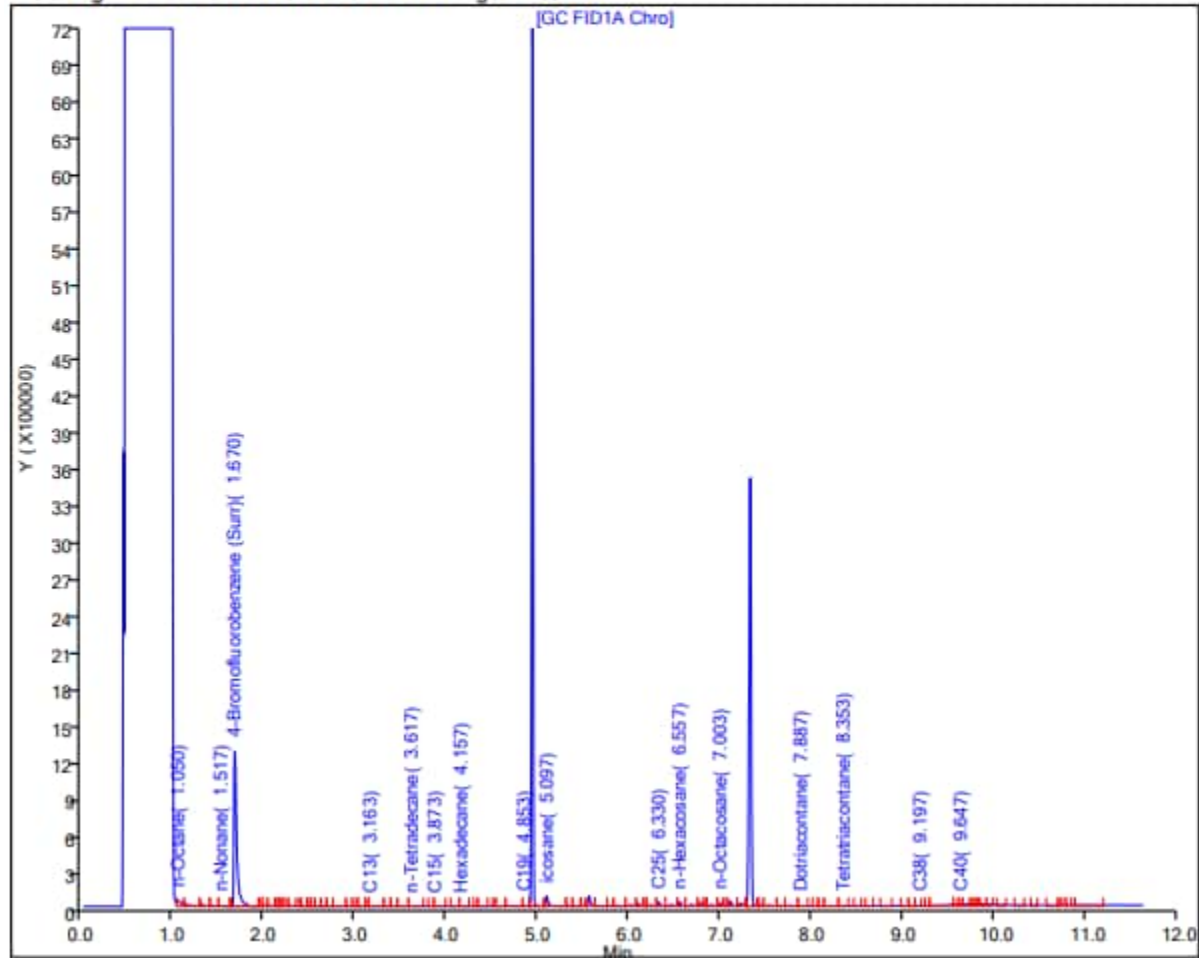
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2301WK3 Sample Date: 1/18/2023
Lab: Eurofins Seattle

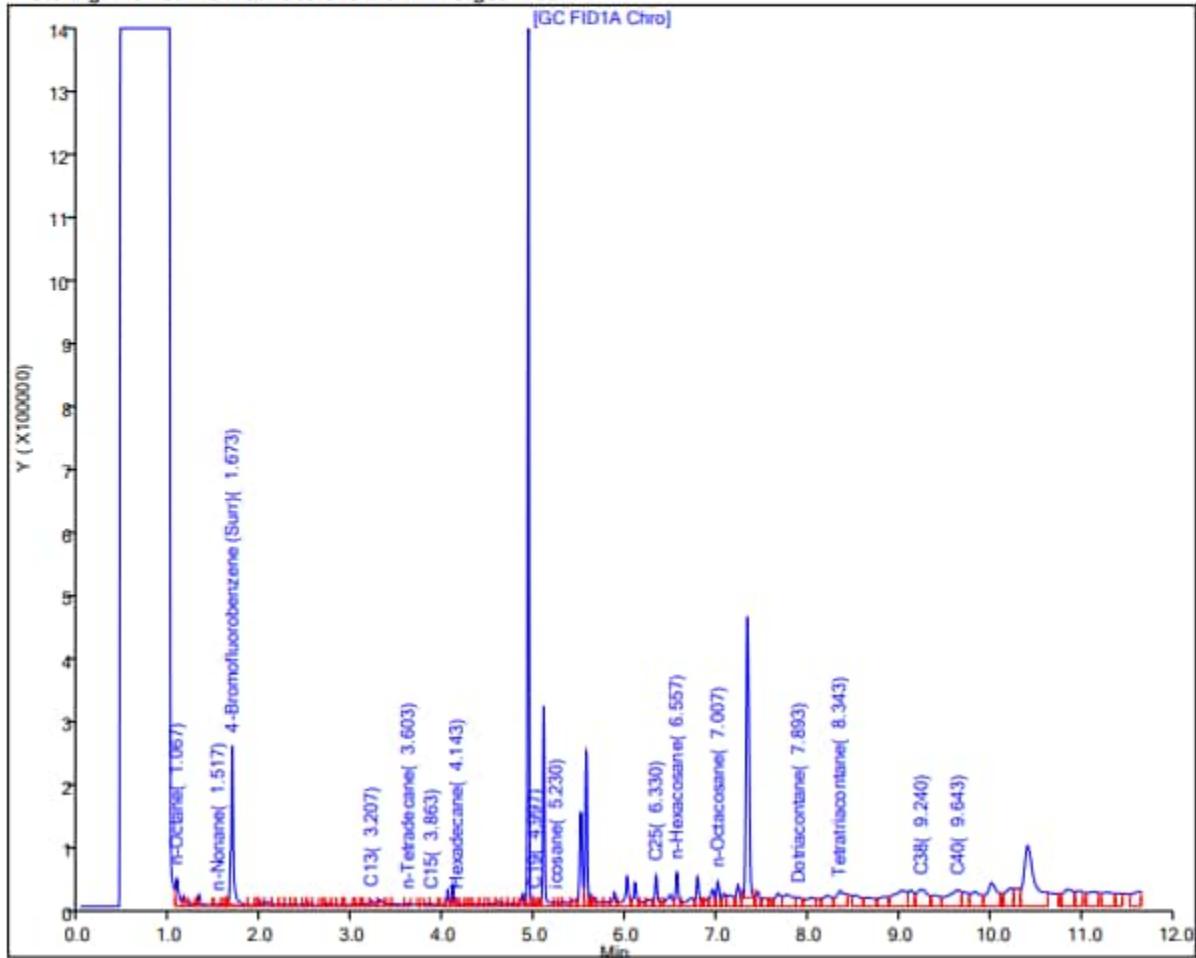
Results (ug/L): TPH-d (C10 to C24) 94 J

TPH-o (C24 to C40) 190 J

Report Date: 27-Jan-2023 10:16:01

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230126-86830.b\0126a23A060.D
Injection Date: 26-Jan-2023 23:29:22 Instrument ID: TAC129
Lims ID: 580-122498-O-15-A Lab Sample ID: 580-122498-15
Client ID: RHMW2254-01-WGN01B-2301WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <110 U

TPH-o SGC (C24 to C40) <320 U

Report Date: 31-Jan-2023 11:49:08

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230130-86860.b\013023A018.D

Injection Date: 30-Jan-2023 15:08:45

Instrument ID: TAC129

Lims ID: 580-122498-O-15-B

Lab Sample ID: 580-122498-15

Client ID: RHMW2254-01-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 9

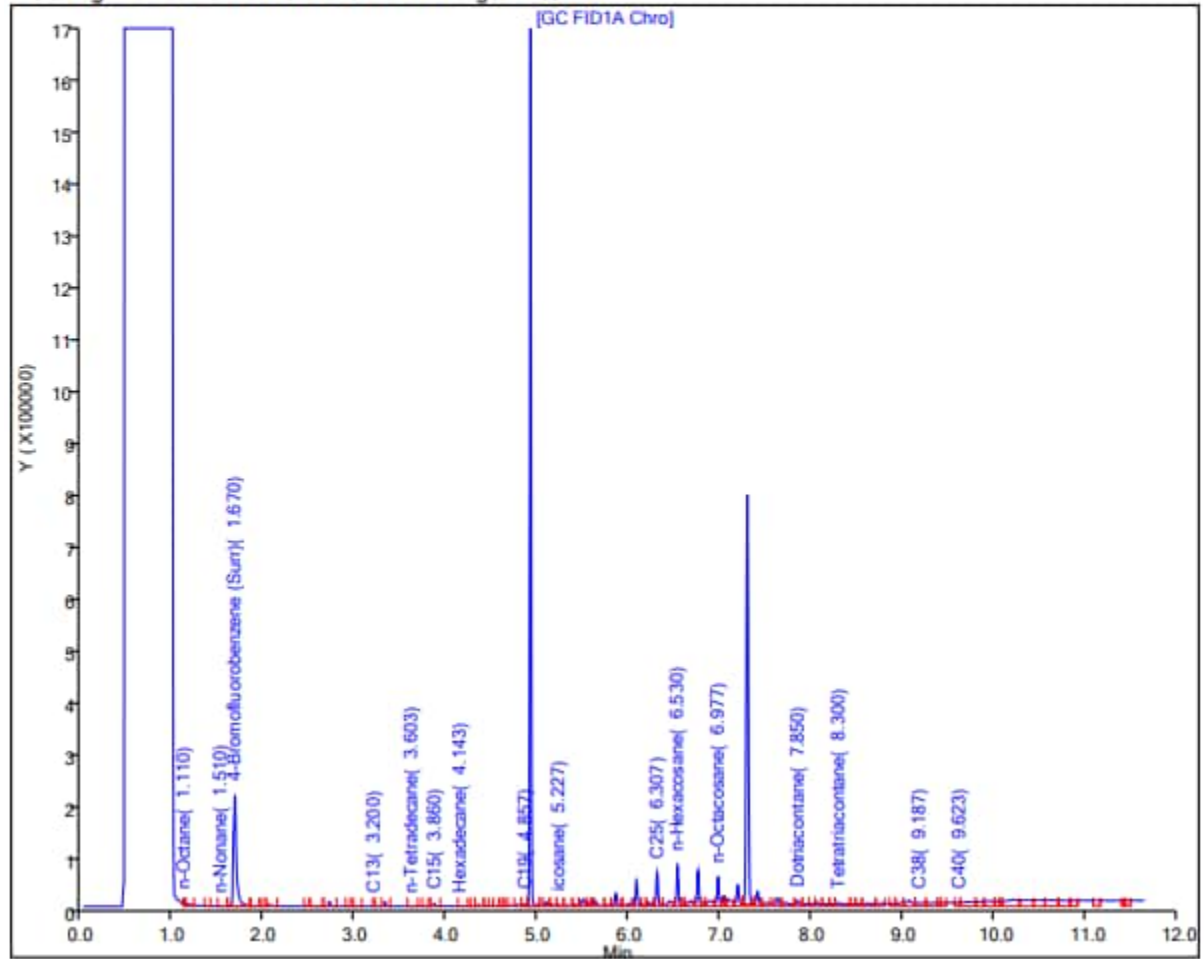
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01LF-2301WK3 Sample Date: 1/18/2023
Lab: Eurofins Seattle

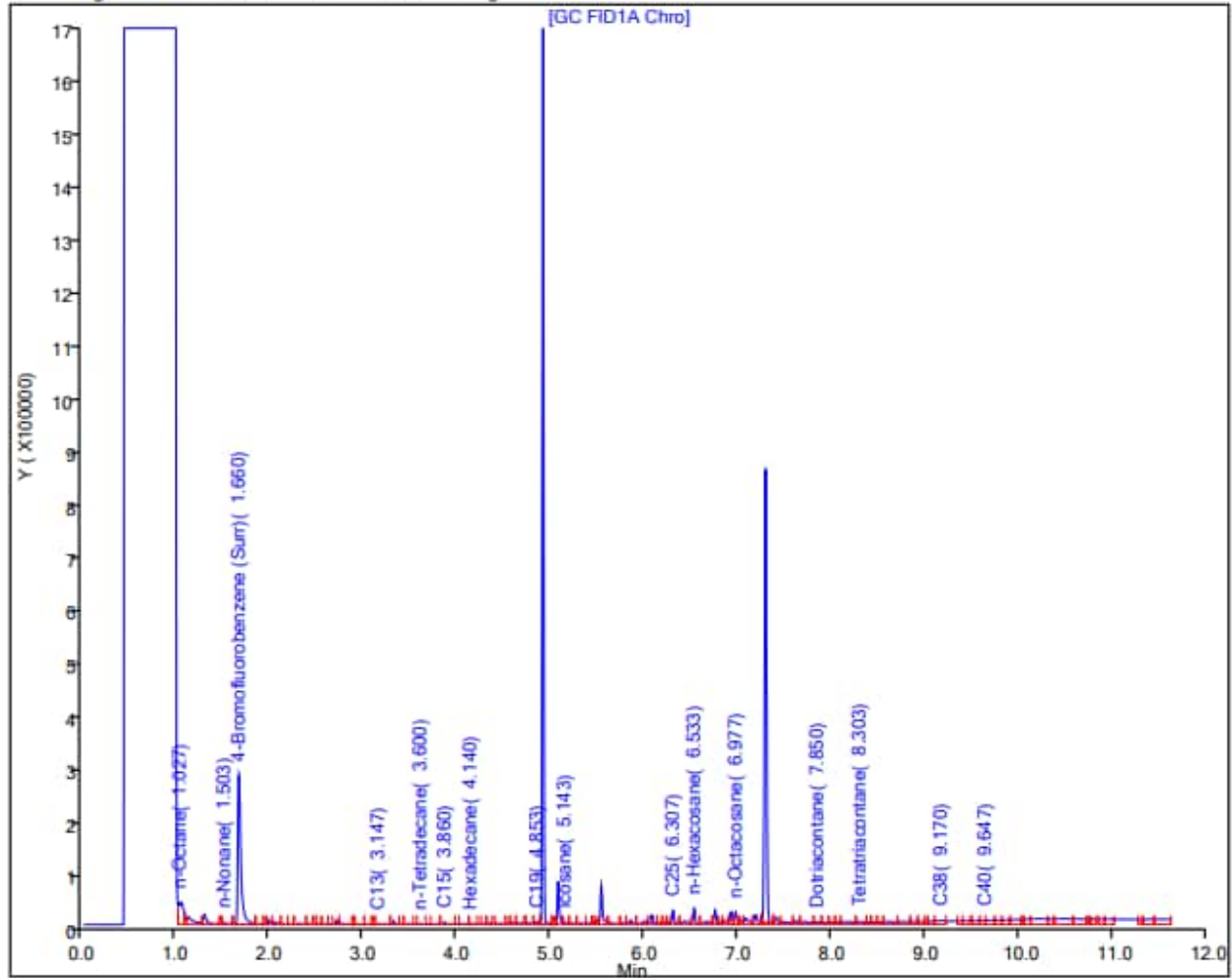
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 03-Feb-2023 08:35:36

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230202-86915.b\020223A034.D
Injection Date: 02-Feb-2023 14:44:17 Instrument ID: TAC129
Lims ID: 580-122801-N-3-A Lab Sample ID: 580-122801-3
Client ID: RHMW2254-01-WGN01LF-2301WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2301WK4 Sample Date: 1/26/2023
Lab: Eurofins Seattle

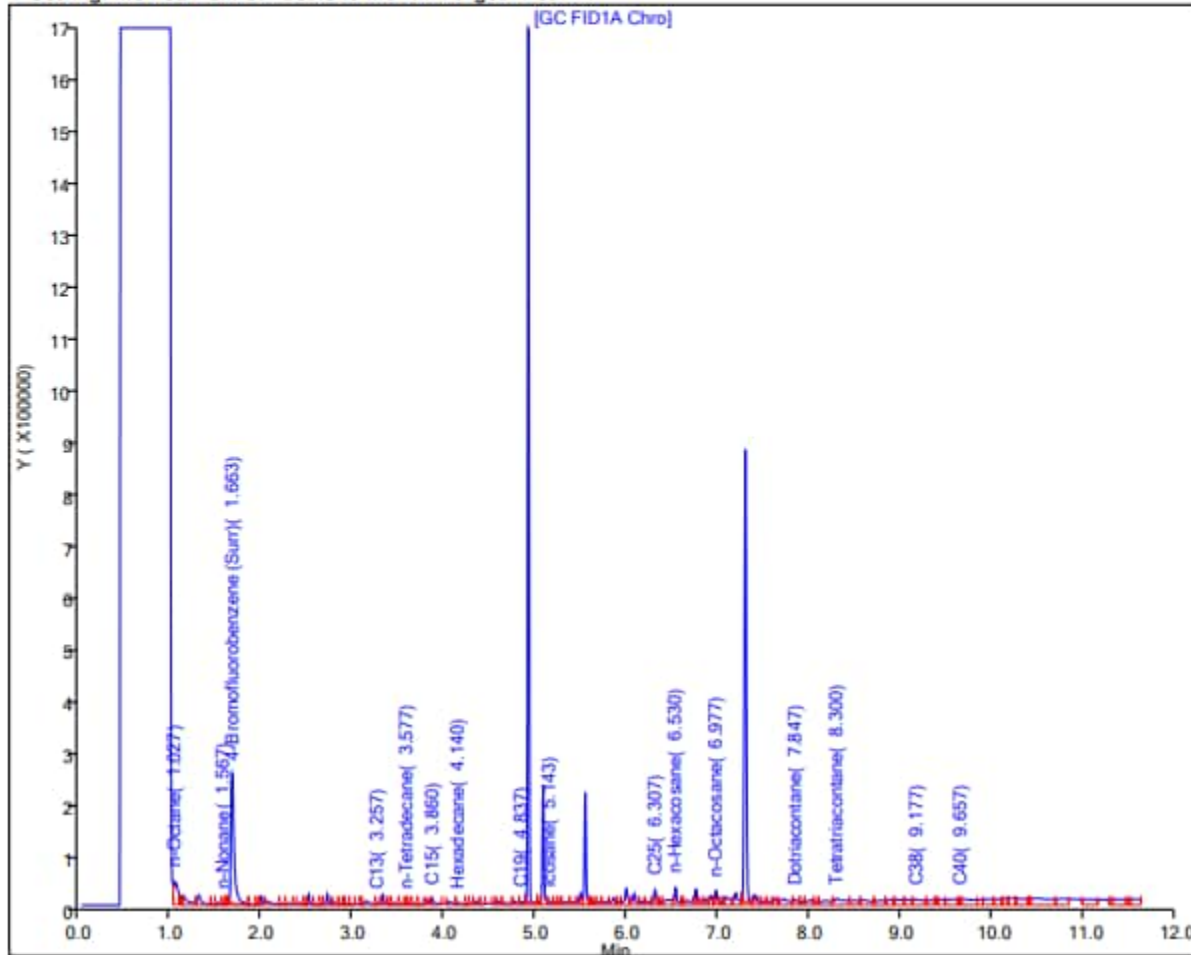
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 03-Feb-2023 08:35:40

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230202-86915.b\020223A036.D
Injection Date: 02-Feb-2023 15:03:04 Instrument ID: TAC129
Lims ID: 580-122801-O-5-A Lab Sample ID: 580-122801-5
Client ID: RHMW2254-01-WGN01B-2301WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01LF-2301WK4 Sample Date: 1/26/2023
Lab: Eurofins Seattle

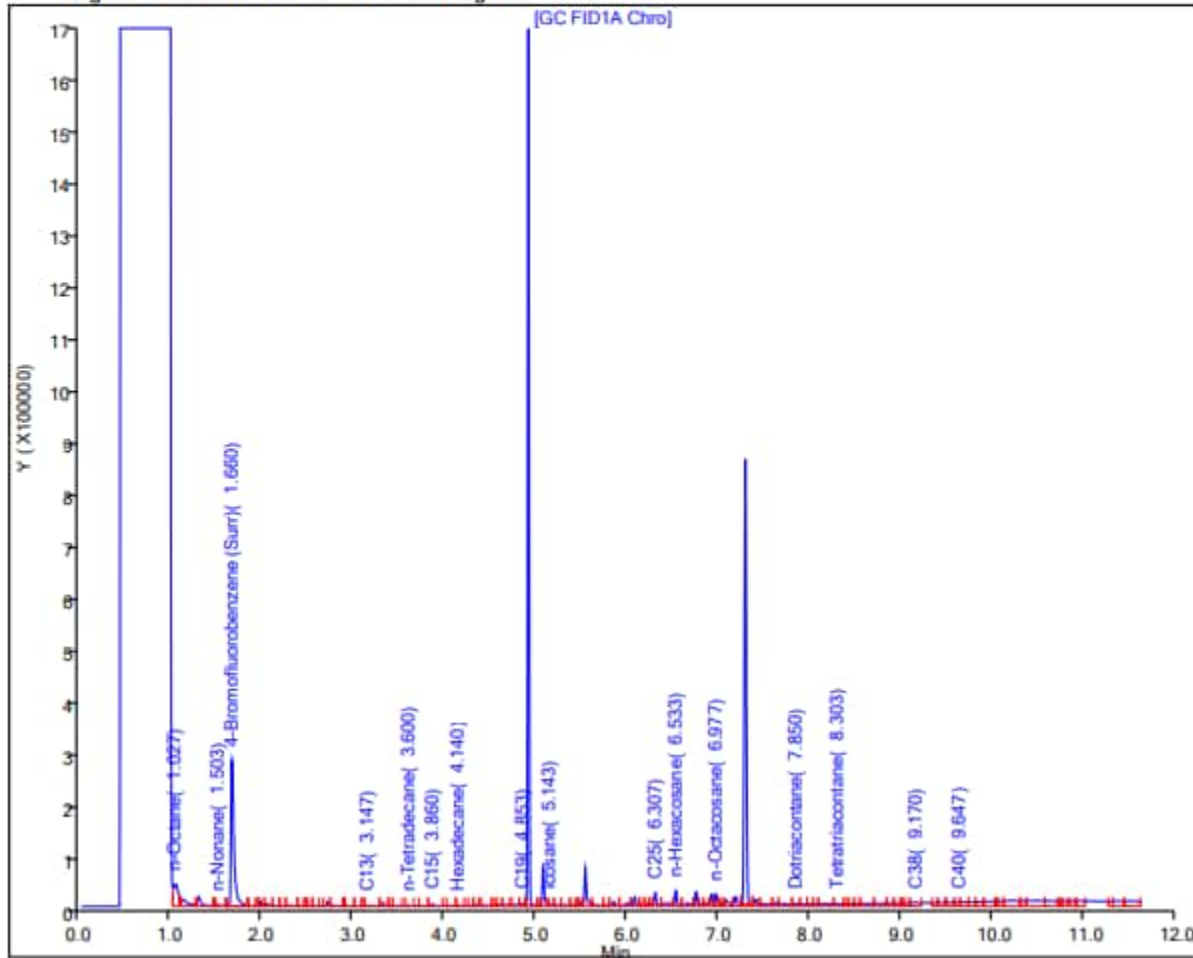
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 03-Feb-2023 08:35:36

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230202-86915.b\020223A034.D
Injection Date: 02-Feb-2023 14:44:17 Instrument ID: TAC129
Lims ID: 580-122801-N-3-A Lab Sample ID: 580-122801-3
Client ID: RHMW2254-01-WGN01LF-2301WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2302WK2 Sample Date: 2/15/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <300 UJ

Report Date: 01-Mar-2023 15:45:14

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 28-Feb-2023 23:32:27 Instrument ID: TAC129_R

Lims ID: 580-123676-M-7-A

Lab Sample ID: 580-123676-7

Client ID: RHMW2254-01-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 36

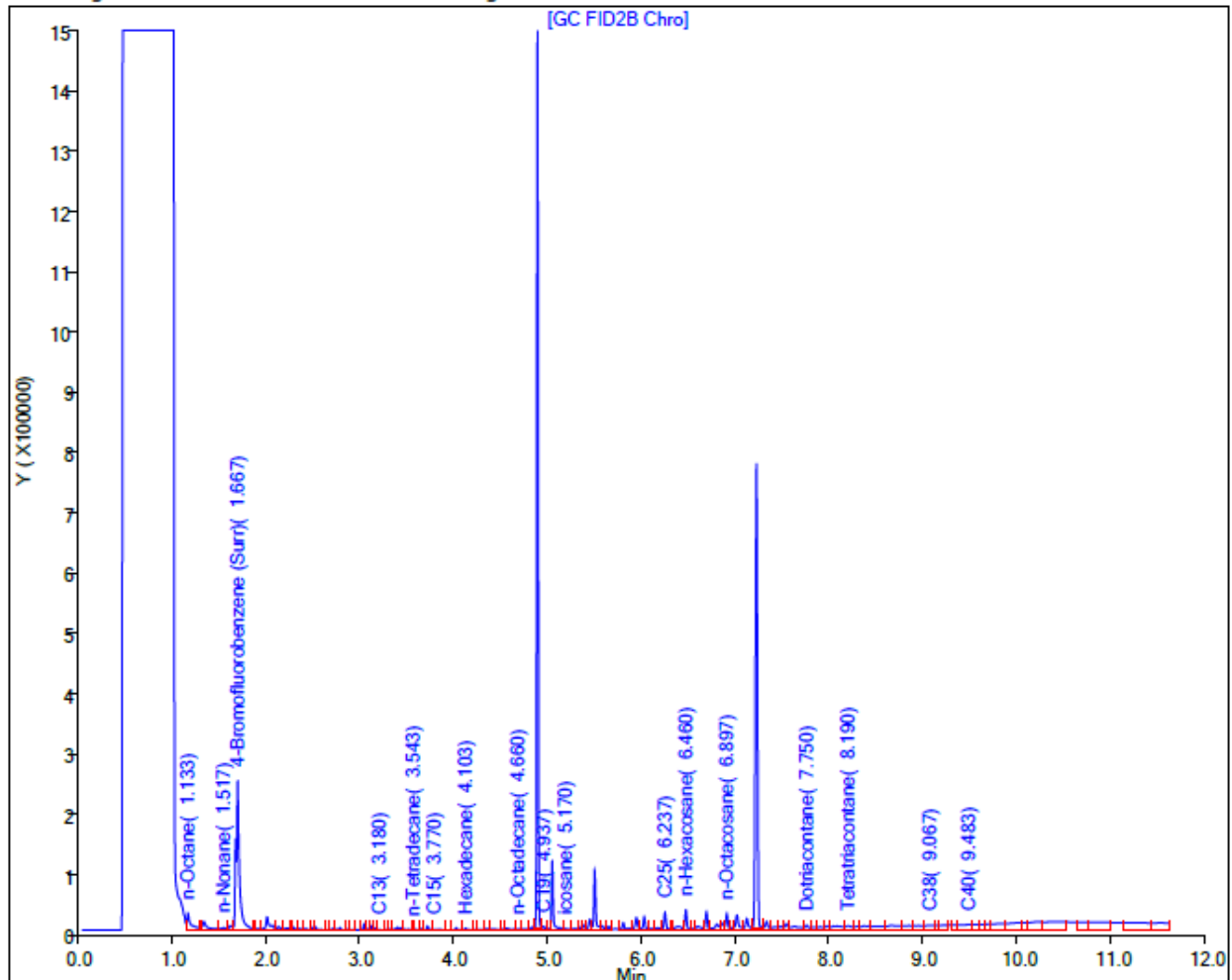
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01LF-2302WK2 Sample Date: 2/15/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 21-Feb-2023 08:28:09

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230220-87172.b\0220a23_015.D

Injection Date: 20-Feb-2023 22:34:02

Instrument ID: TAC020

Lims ID: 580-123676-O-1-A

Lab Sample ID: 580-123676-1

Client ID: RHMW2254-01-WGN01LF-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 25

Injection Vol: 1.0 ul

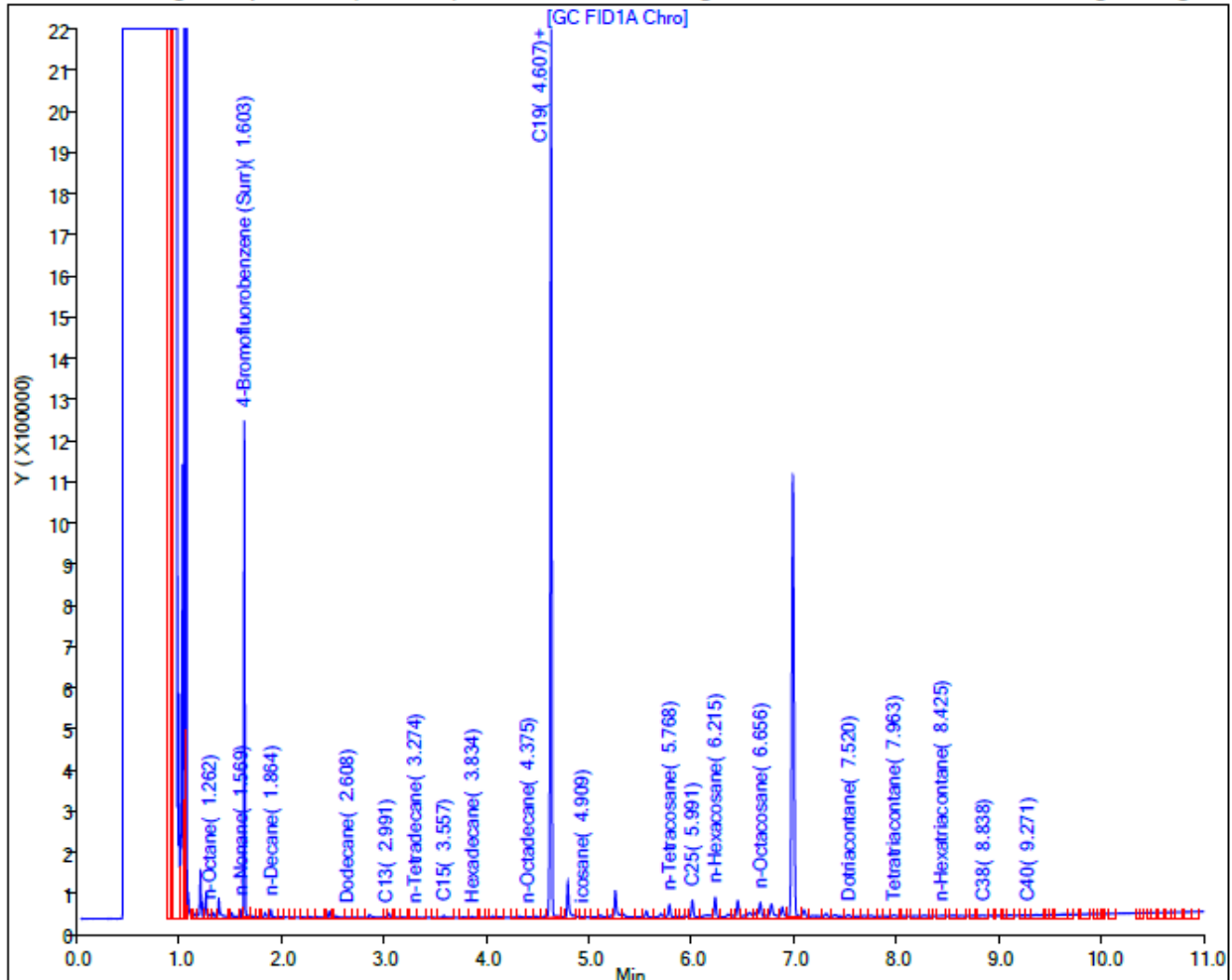
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2302WK3 Sample Date: 2/22/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <110 U

TPH-o (C24 to C40) <320 U

Report Date: 01-Mar-2023 17:41:05

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230228-87273.b\022823A089.D

Injection Date: 01-Mar-2023 02:19:46

Instrument ID: TAC129_R

Lims ID: 580-123942-N-7-A

Lab Sample ID: 580-123942-7

Client ID: RHMW2254-01-WGN01B-2302WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 45

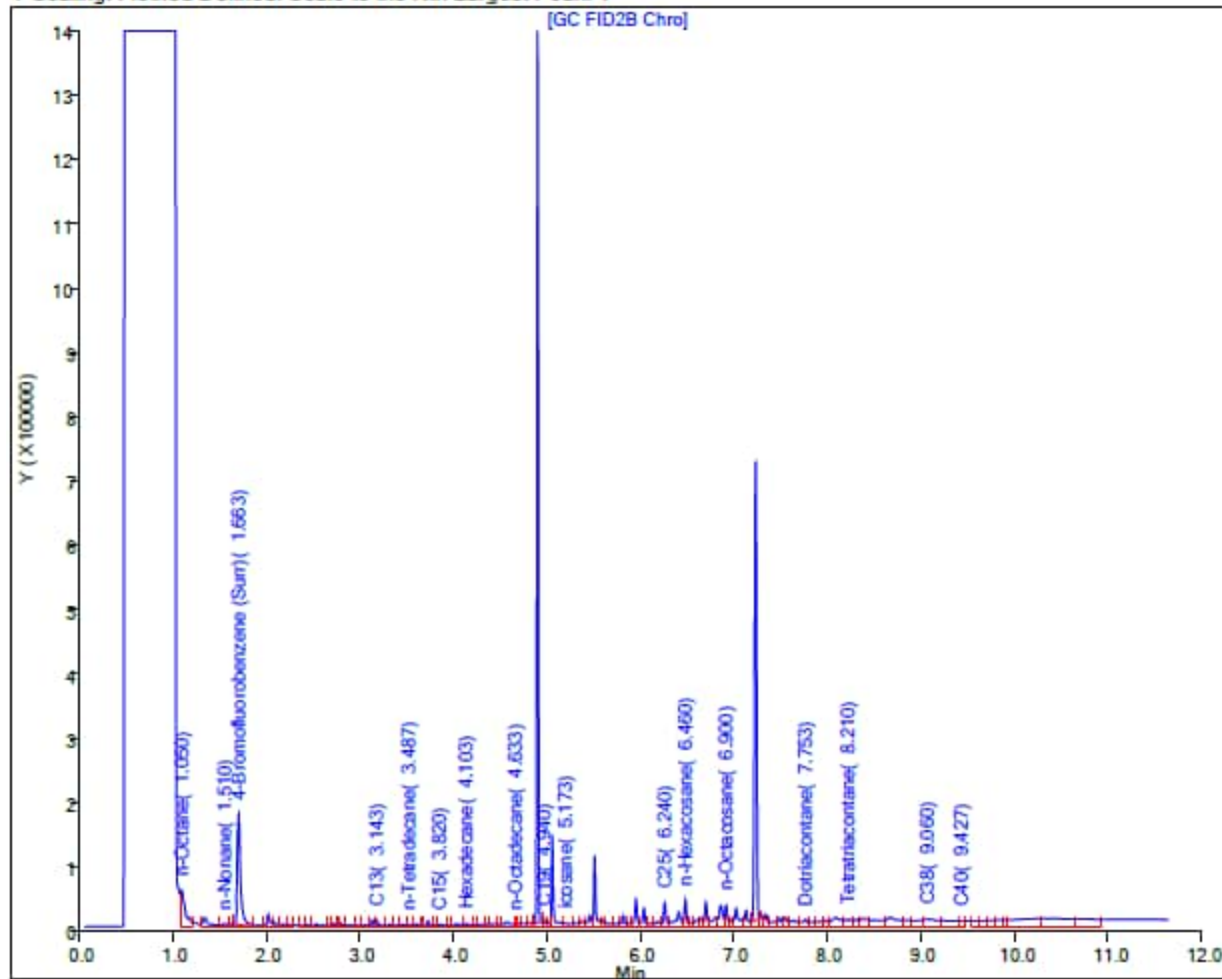
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01LF-2302WK3 Sample Date: 2/22/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 100 U

TPH-o (C24 to C40) <310 U

Report Date: 01-Mar-2023 17:22:20

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230228-87273.b\022823A087.D

Eurofins Seattle

Injection Date: 01-Mar-2023 02:01:07 Instrument ID: TAC129_R

Lims ID: 580-123942-O-5-A Lab Sample ID: 580-123942-5

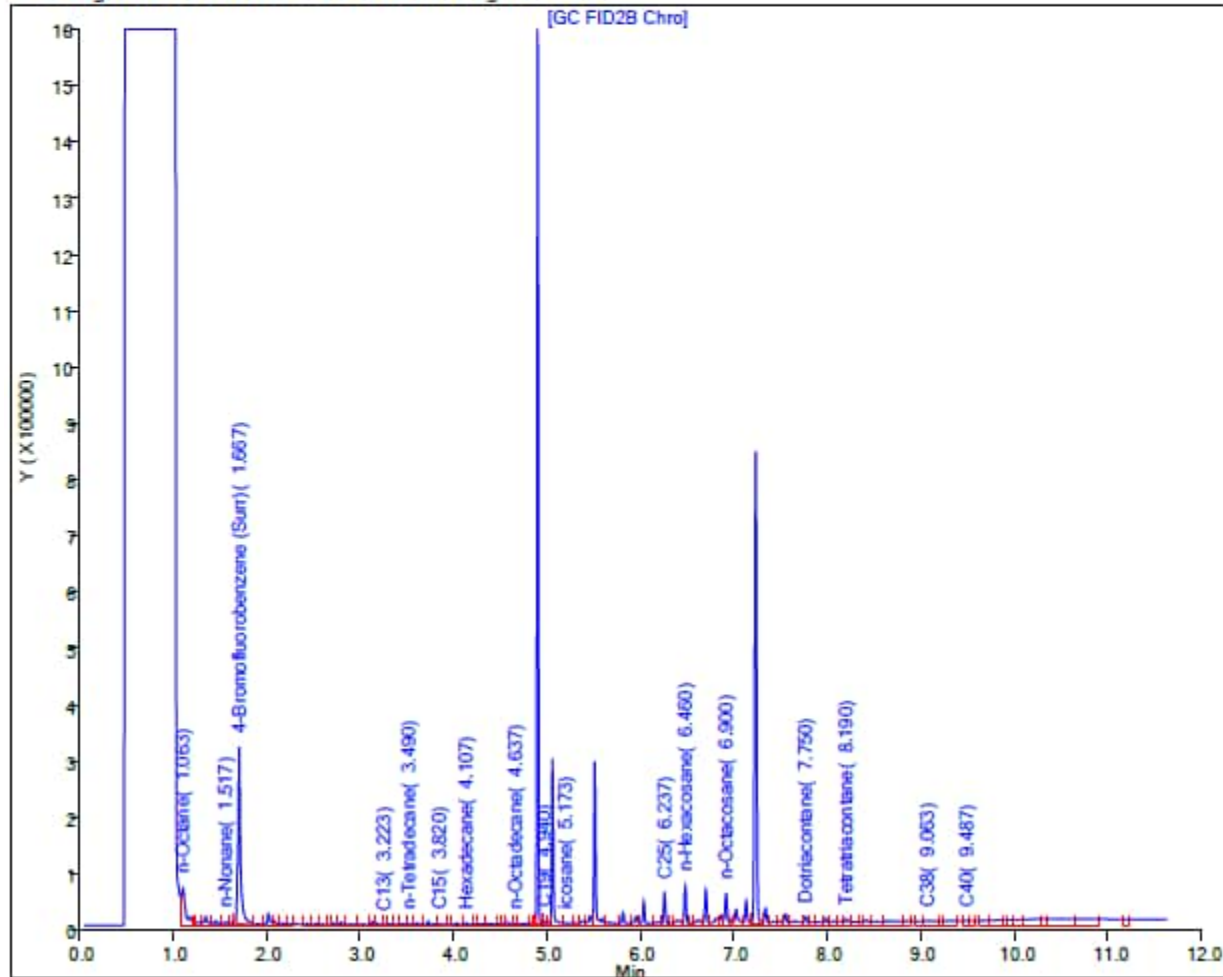
Client ID: RHMW2254-01-WGN01LF-2302WK3

Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 44

Injection Vol: 1.0 uL Dil. Factor: 1.0000

Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2302WK4 Sample Date: 3/1/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 09-Mar-2023 10:41:48

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230308-87402.b\030823B066.D

Injection Date: 08-Mar-2023 22:40:43

Instrument ID: TAC129

Lims ID: 580-124172-N-7-A

Lab Sample ID: 580-124172-7

Client ID: RHMW2254-01-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 72

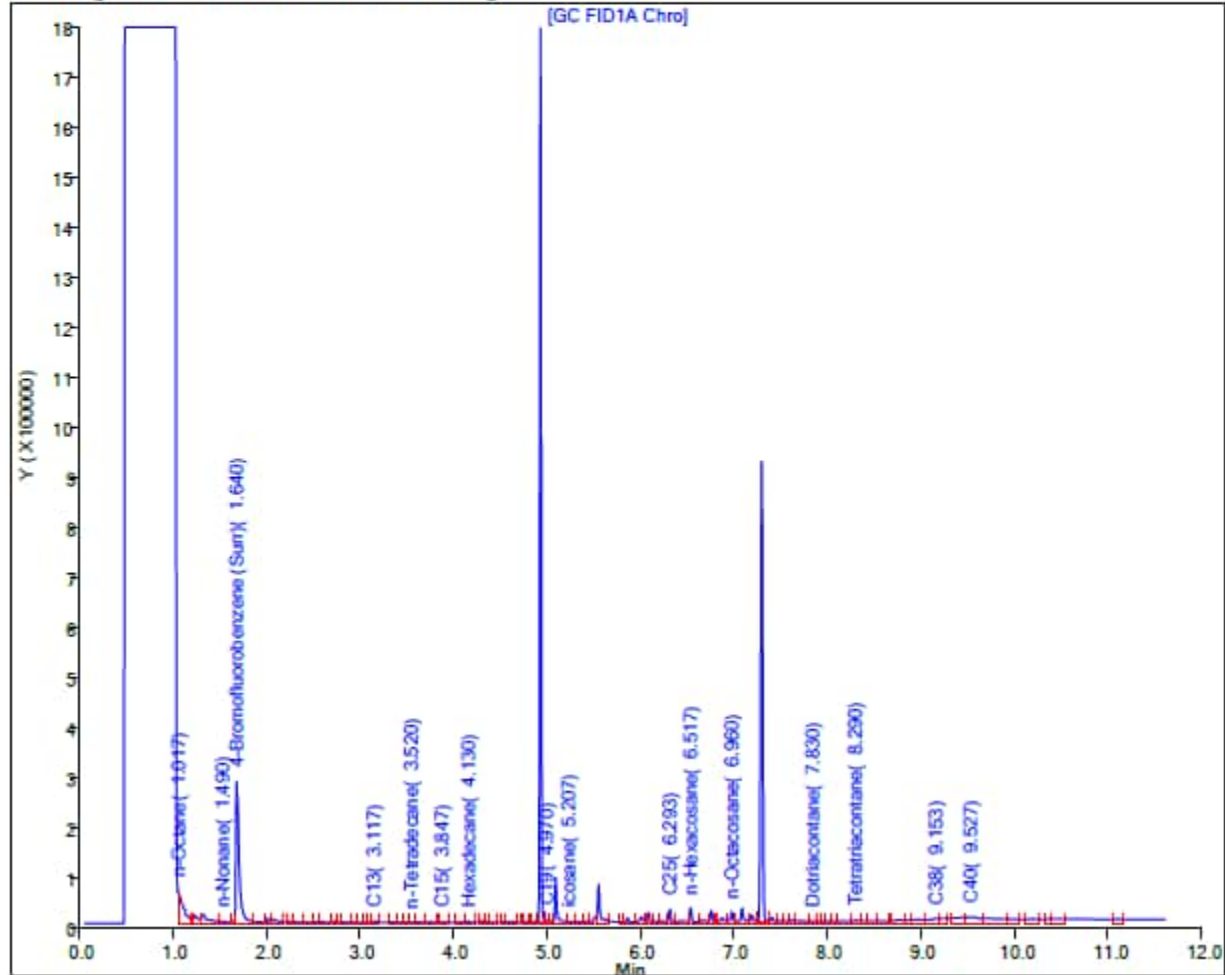
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01LF-2302WK4 Sample Date: 3/1/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 07-Mar-2023 11:56:23

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230306-87363.b\030623A054.D

Injection Date: 06-Mar-2023 20:33:46

Instrument ID: TAC129

Lims ID: 580-124172-N-5-A

Lab Sample ID: 580-124172-5

Client ID: RHMW2254-01-WGN01LF-2302WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 21

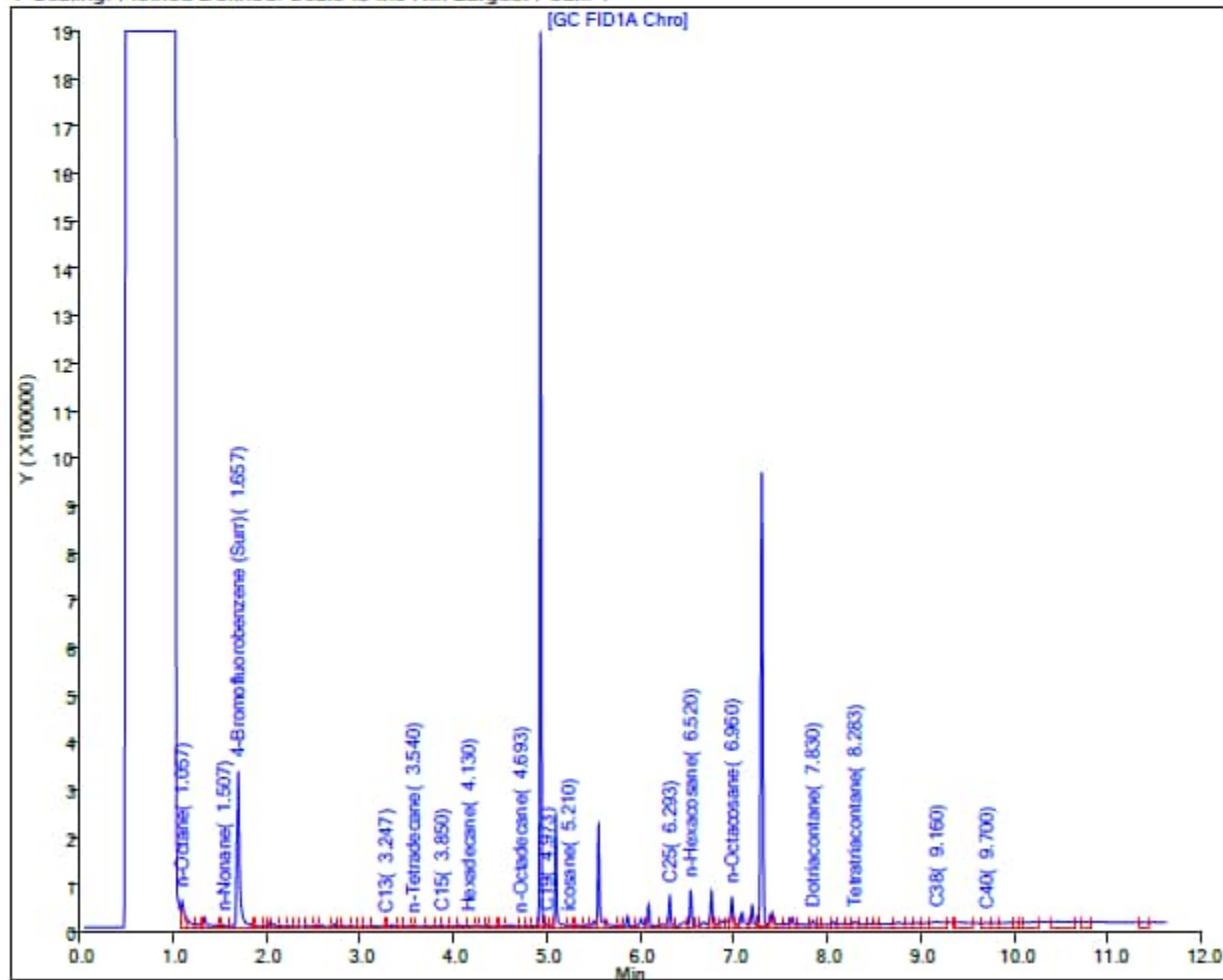
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: HDMW2253-03 Sample ID: HDMW2253-03-WGN01LF-2211WK4 Sample Date: 12/2/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 07-Dec-2022 13:01:30

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221206-86139.b\120622A061.D

Injection Date: 07-Dec-2022 05:47:01

Instrument ID: TAC129_R

Lims ID: 580-120757-O-1-A

Lab Sample ID: 580-120757-1

Client ID: HDMW2253-03-WGN01LF-2211WK4

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 31

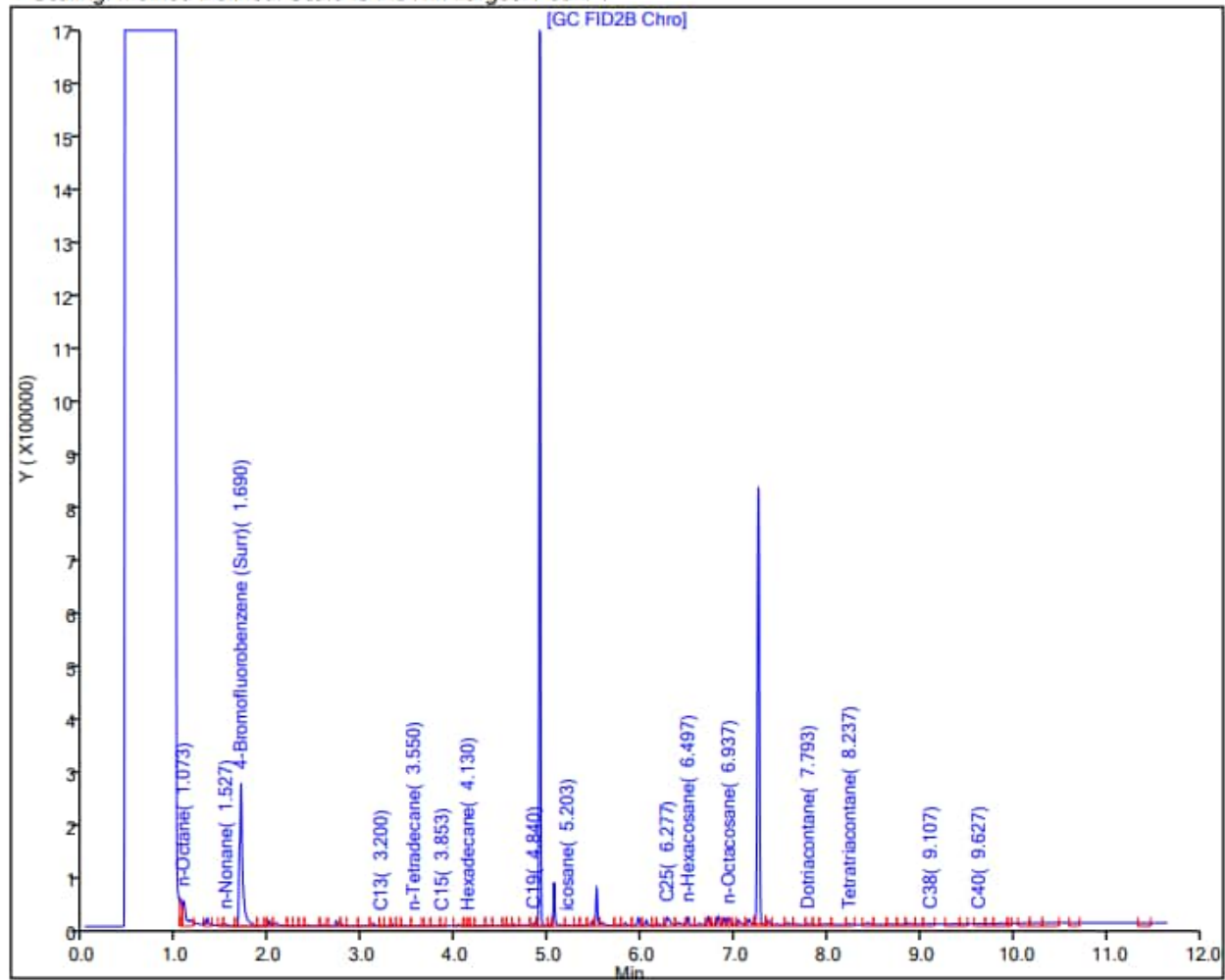
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW01R Sample ID: RHMW01R-WGN01B-2211WK1 Sample Date: 11/8/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 150

TPH-o (C24 to C40) <240 U

Report Date: 15-Nov-2022 19:16:04

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85802.b\1114aa22A035.D

Injection Date: 15-Nov-2022 03:56:44

Instrument ID: TAC129_R

Lims ID: 580-119865-O-20-A

Lab Sample ID: 580-119865-20

Client ID: RHMW01R-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 18

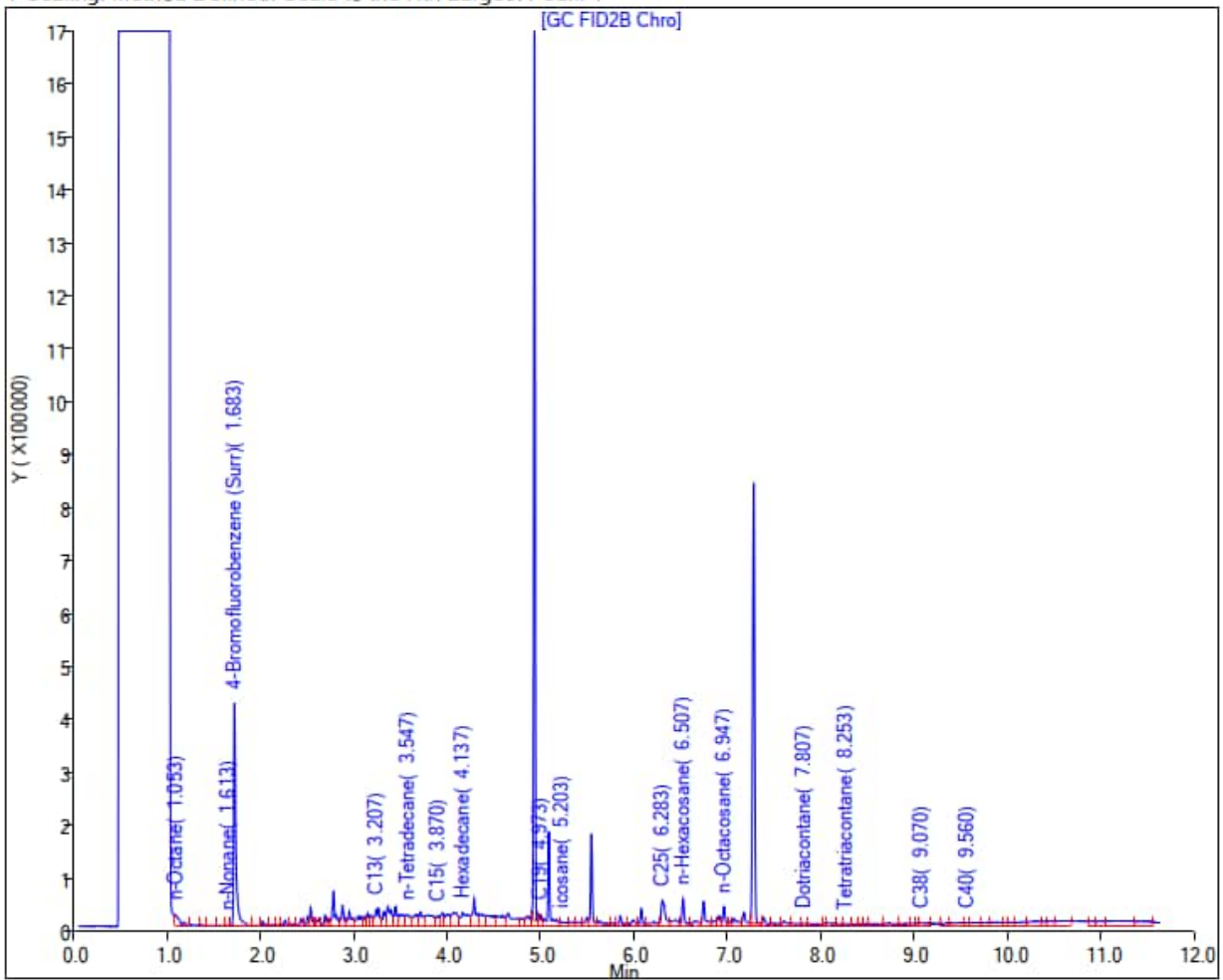
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 88

TPH-o SGC (C24 to C40) <240 U

Report Date: 16-Nov-2022 11:23:00

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221115-85803.b\1115ab22_012.D

Injection Date: 16-Nov-2022 01:07:30

Instrument ID: TAC020

Lims ID: 580-119865-O-20-C

Lab Sample ID: 580-119865-20

Client ID: RHMW01R-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 11

Worklist Smp#: 28

Injection Vol: 1.0 ul

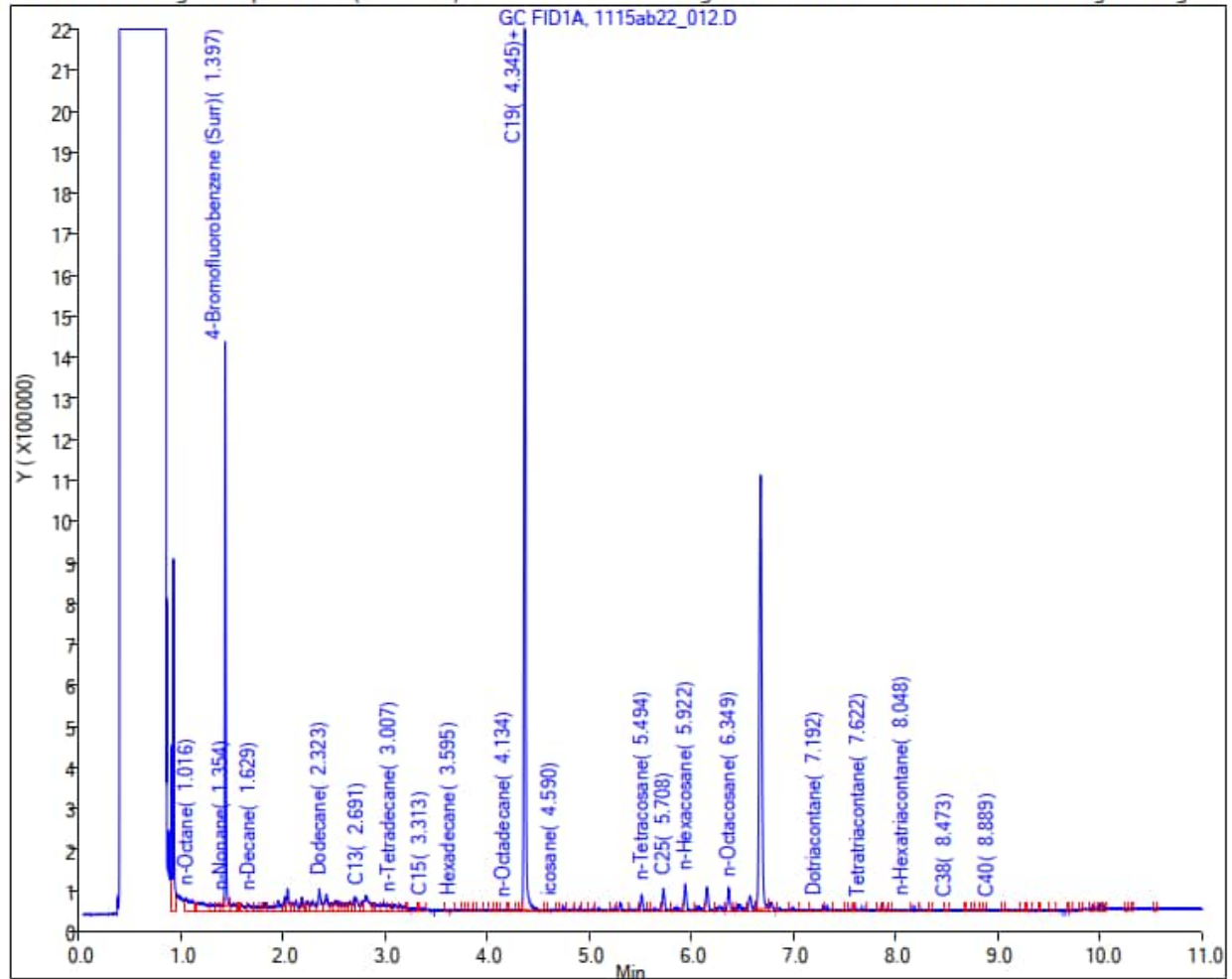
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW01R Sample ID: RHMW01R-WGN02B-2211WK1 Sample Date: 11/10/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 150

TPH-o (C24 to C40) <300 U

Report Date: 17-Nov-2022 11:55:06

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A043.D

Injection Date: 17-Nov-2022 04:35:01

Instrument ID: TAC129_R

Lims ID: 580-119993-N-9-A

Lab Sample ID: 580-119993-9

Client ID: RHMW01R-WGN02B-2211WK1

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 51

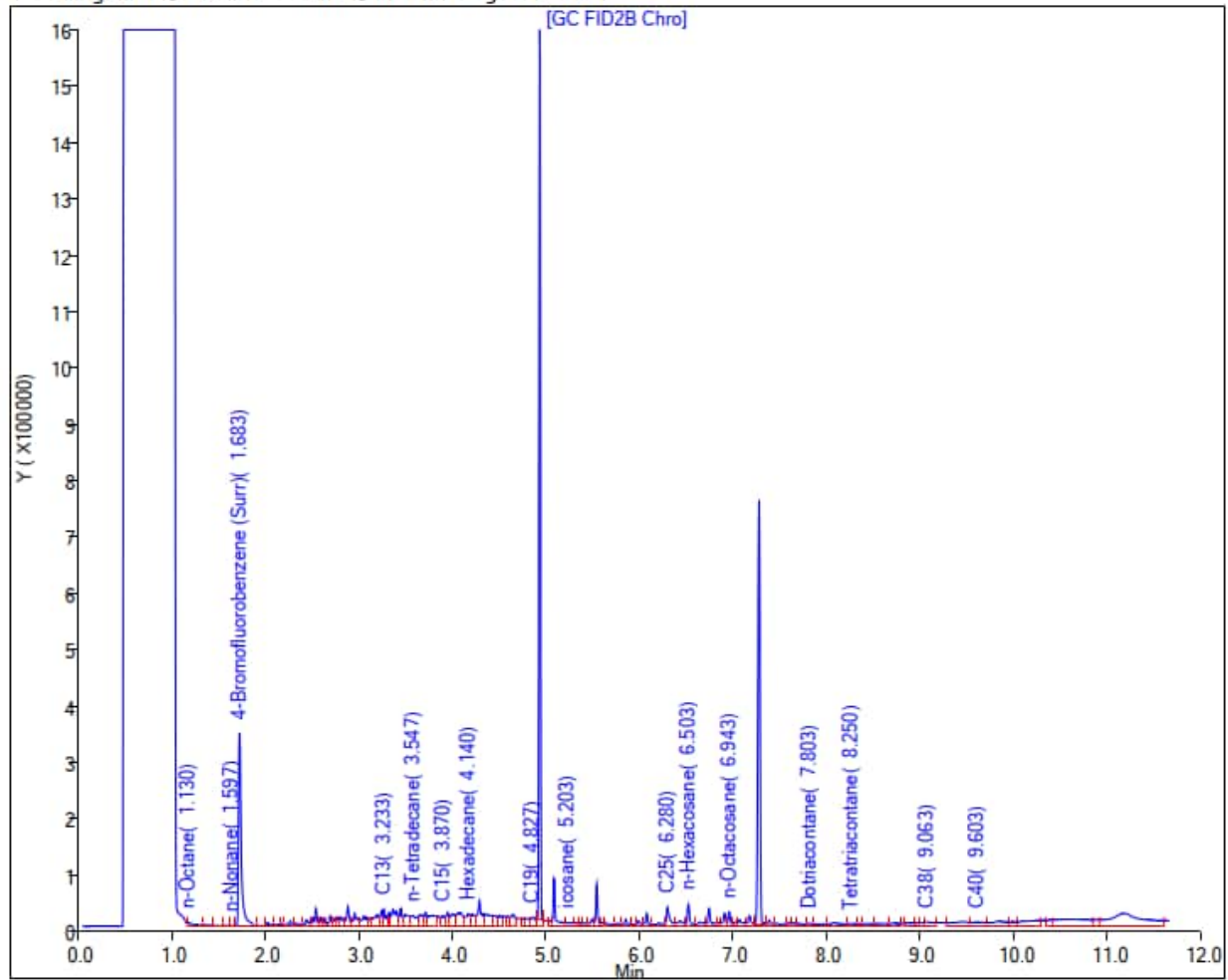
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 97 J

TPH-o SGC (C24 to C40) <300 U

Report Date: 18-Nov-2022 11:58:37

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_010.D

Injection Date: 17-Nov-2022 22:38:30

Instrument ID: TAC020

Lims ID: 580-119993-N-9-B

Lab Sample ID: 580-119993-9

Client ID: RHMW01R-WGN02B-2211WK1

Operator ID: DH/CC

ALS Bottle#: 9 Worklist Smp#: 12

Injection Vol: 1.0 ul

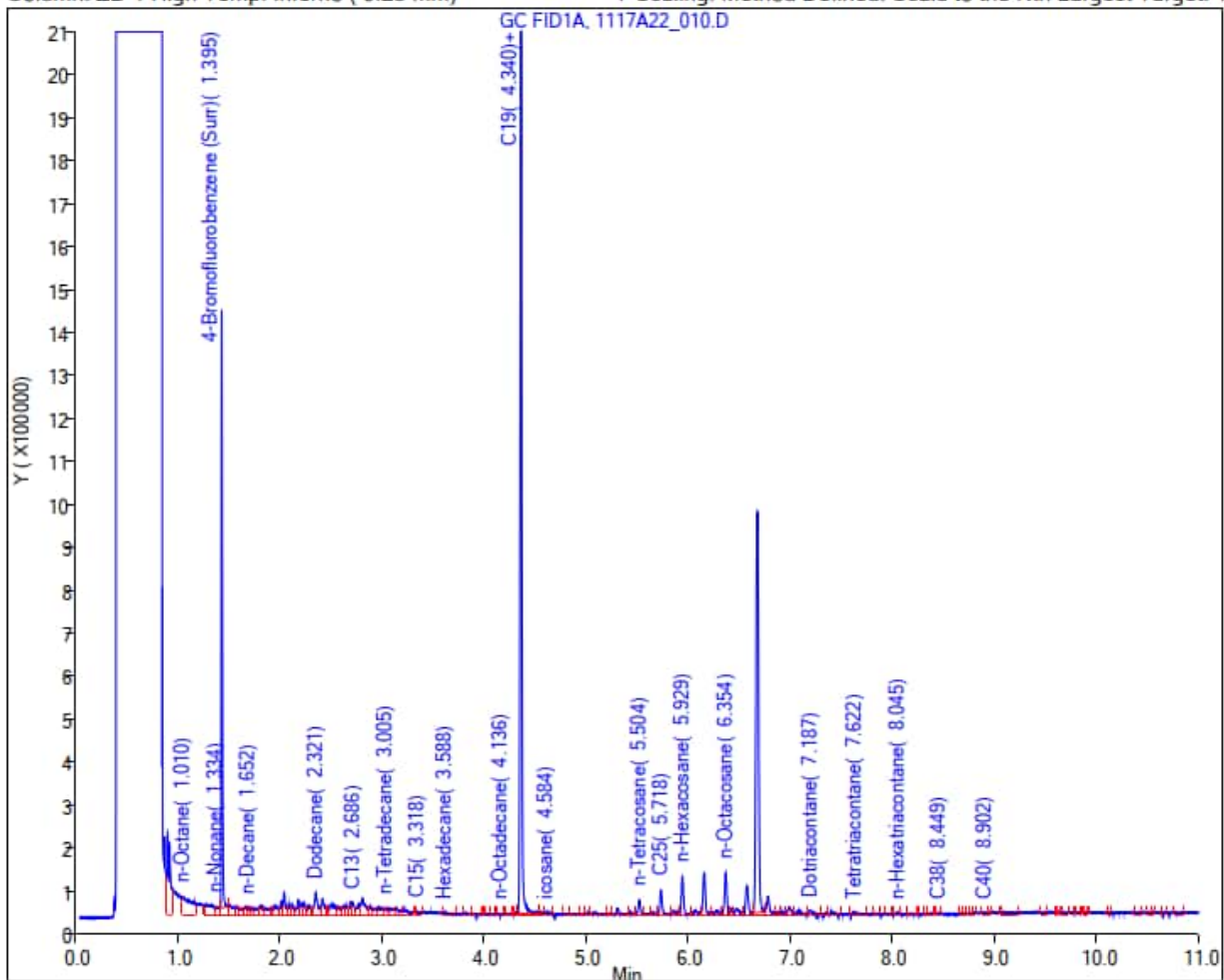
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW01R Sample ID: RHMW01R-WGN01B-2211WK2 Sample Date: 11/15/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 200

TPH-o (C24 to C40) <300 U

Report Date: 22-Nov-2022 14:59:45

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_020.D

Injection Date: 22-Nov-2022 00:02:30

Instrument ID: TAC020

Lims ID: 580-120153-N-9-A

Lab Sample ID: 580-120153-9

Client ID: RHMW01R-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#: 19 Worklist Smp#: 19

Injection Vol: 1.0 ul

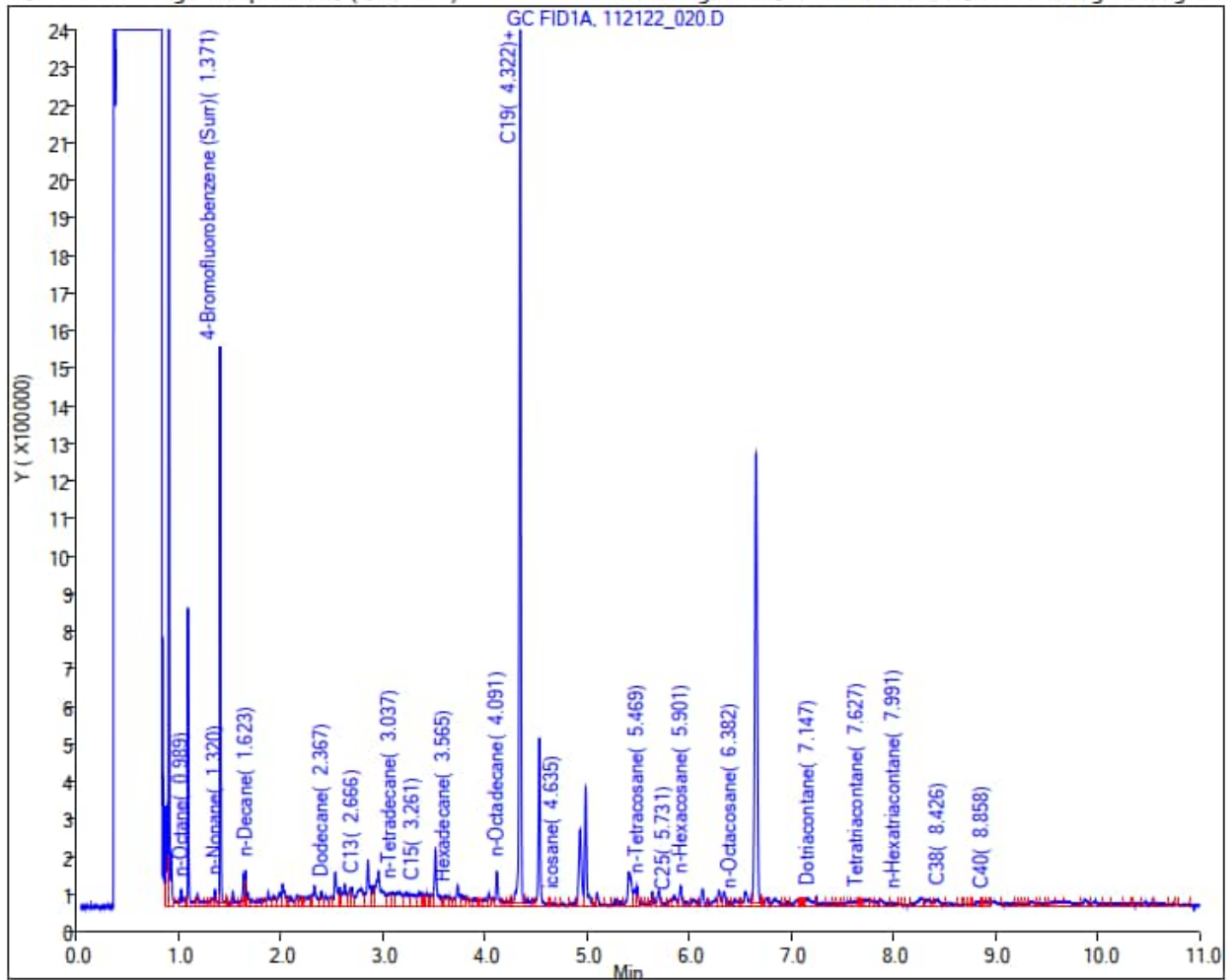
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100

TPH-o SGC (C24 to C40) <300 U

Report Date: 23-Nov-2022 12:59:54

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221122-85928.b\1122ab22A041.D

Injection Date: 22-Nov-2022 22:55:41

Instrument ID: TAC129_R

Lims ID: 580-120153-N-9-C

Lab Sample ID: 580-120153-9

Client ID: RHMW01R-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 31

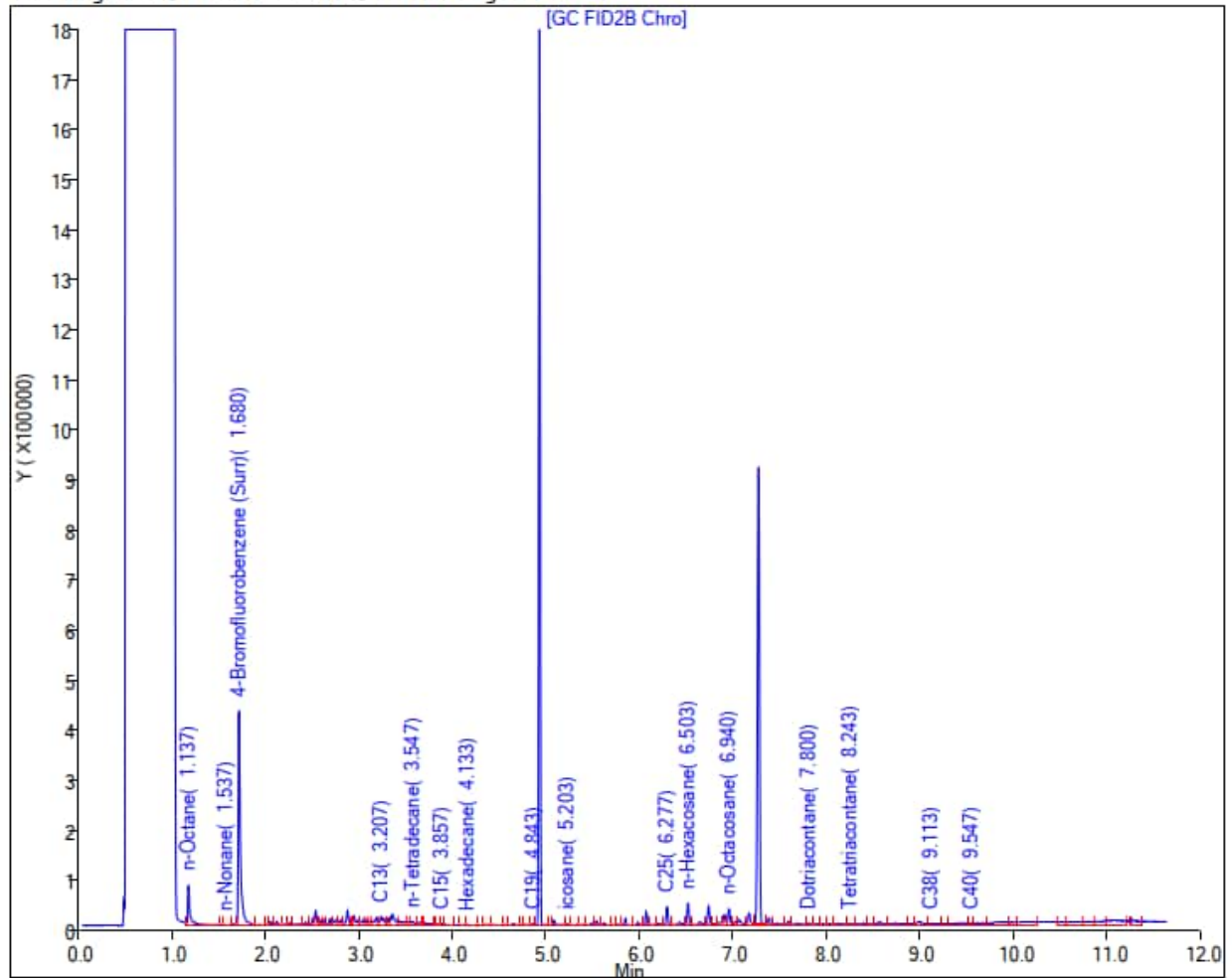
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW01R Sample ID: RHMW01R-WGN02B-2211WK2 Sample Date: 11/17/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 170

TPH-o (C24 to C40) 230 J

Report Date: 23-Nov-2022 17:52:33

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221123-85945.b\112322A015.D

Injection Date: 23-Nov-2022 16:44:04

Instrument ID: TAC129_R

Lims ID: 580-120199-N-3-A

Lab Sample ID: 580-120199-3

Client ID: RHMW01R-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 28

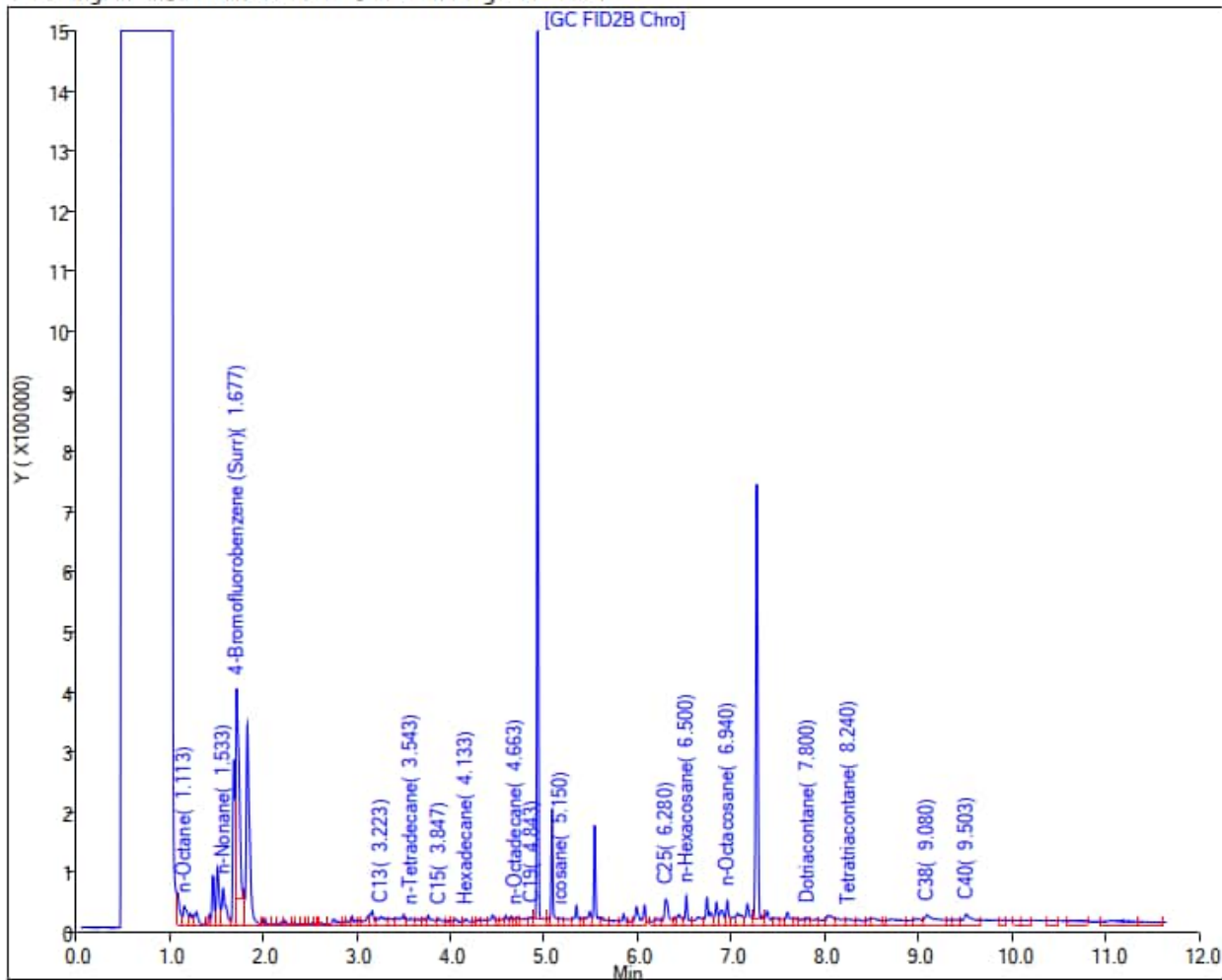
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 120

TPH-o SGC (C24 to C40) <310 U

Report Date: 30-Nov-2022 14:20:59

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221129-86014.b\112922_011.D

Injection Date: 29-Nov-2022 22:04:30

Instrument ID: TAC020

Lims ID: 580-120199-N-3-B

Lab Sample ID: 580-120199-3

Client ID: RHMW01R-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

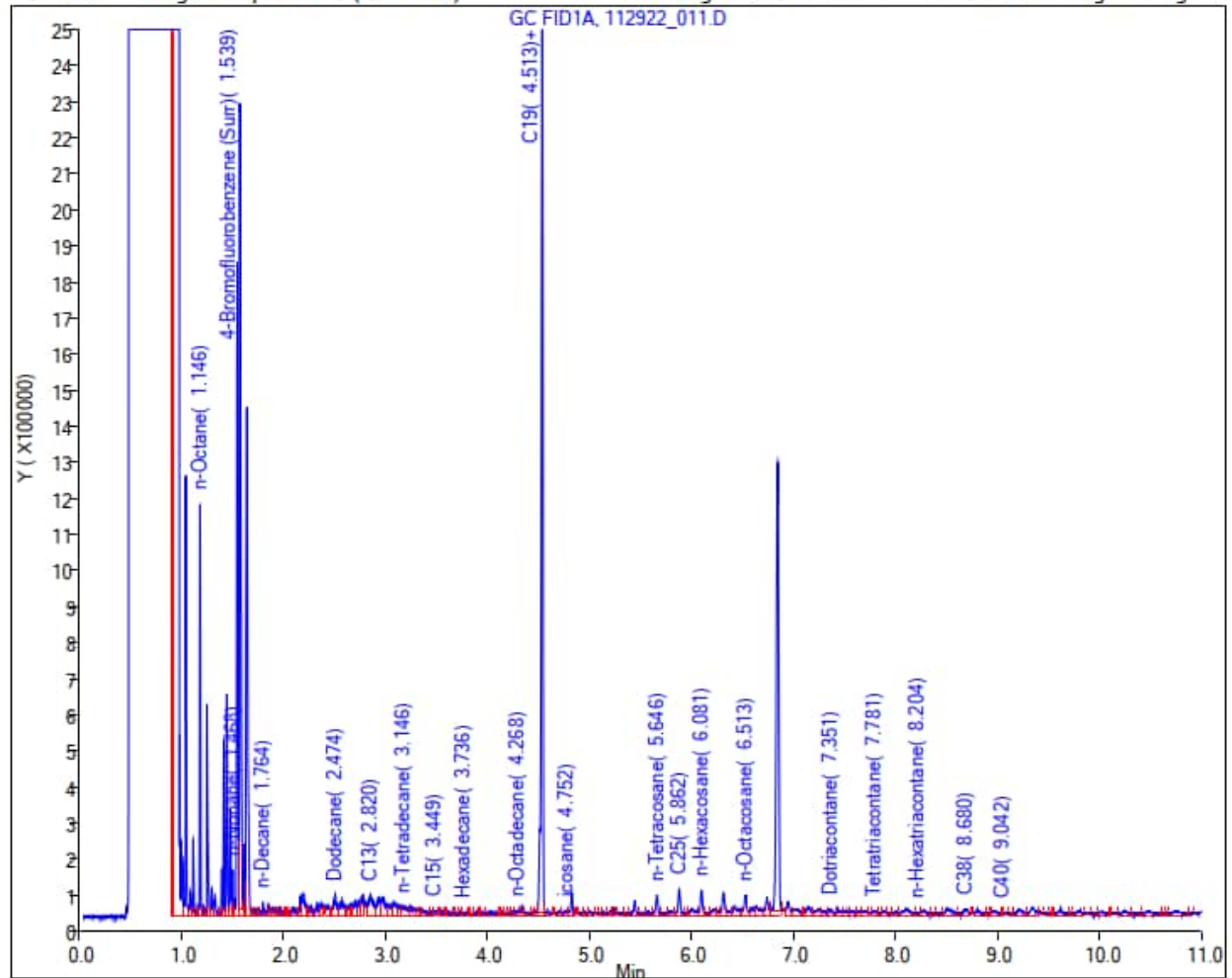
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW01R Sample ID: RHMW01R-WGN01B-2211WK3 Sample Date: 11/20/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 330

TPH-o (C24 to C40) 280 J

Report Date: 29-Nov-2022 13:24:57

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221128-85983.b\1128AA22A053.D

Injection Date: 29-Nov-2022 00:14:25

Instrument ID: TAC129_R

Lims ID: 580-120304-O-6-A

Lab Sample ID: 580-120304-6

Client ID: RHMW01R-WGN01B-2211WK3

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 27

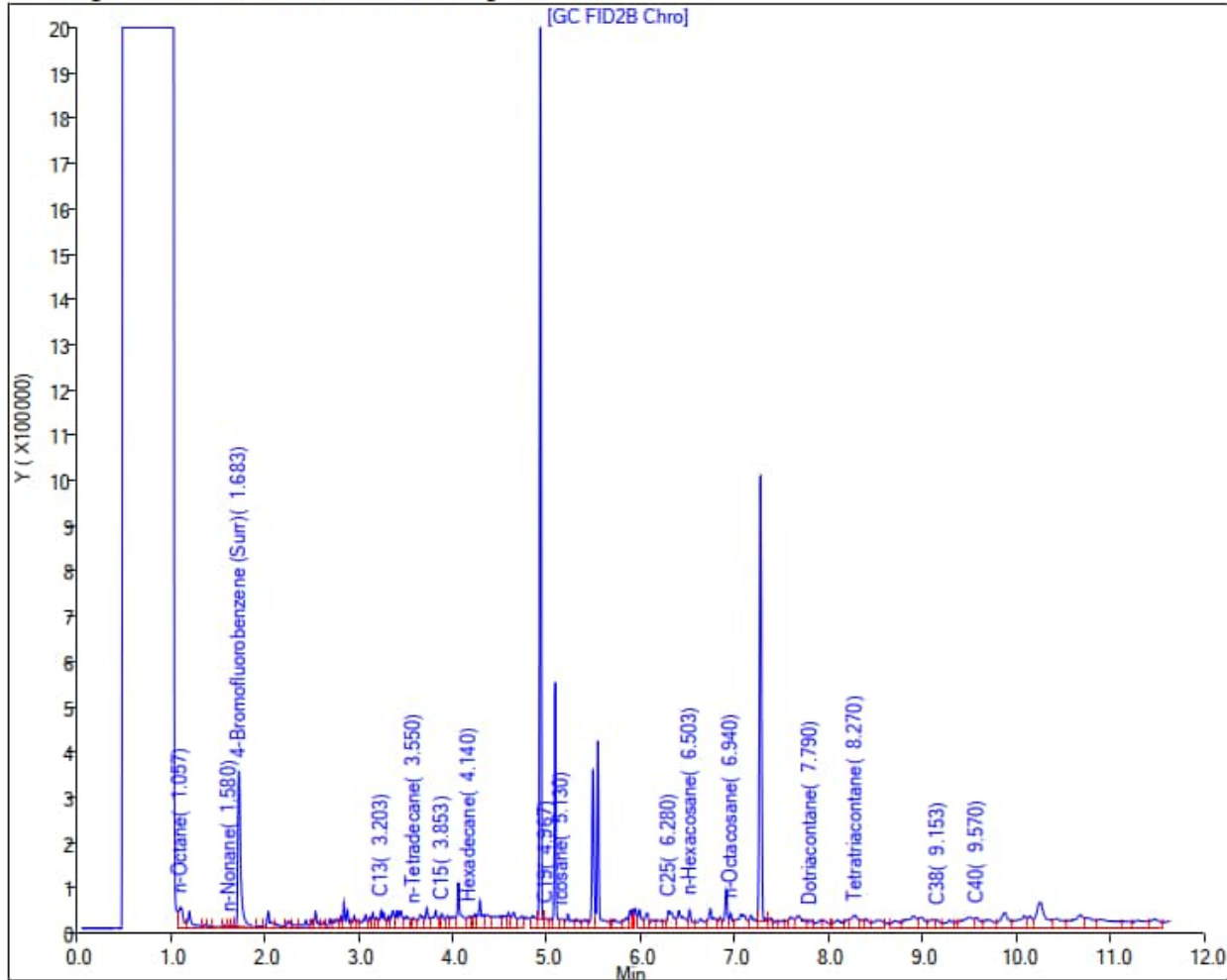
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 84 J

TPH-o SGC (C24 to C40) <310 U

Report Date: 02-Dec-2022 14:18:59

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221201-86051.b\120122_023.D

Injection Date: 01-Dec-2022 23:40:30

Instrument ID: TAC020

Lims ID: 580-120304-O-6-C

Lab Sample ID: 580-120304-6

Client ID: RHMW01R-WGN01B-2211WK3

Operator ID: DH

ALS Bottle#: 23 Worklist Smp#: 23

Injection Vol: 1.0 ul

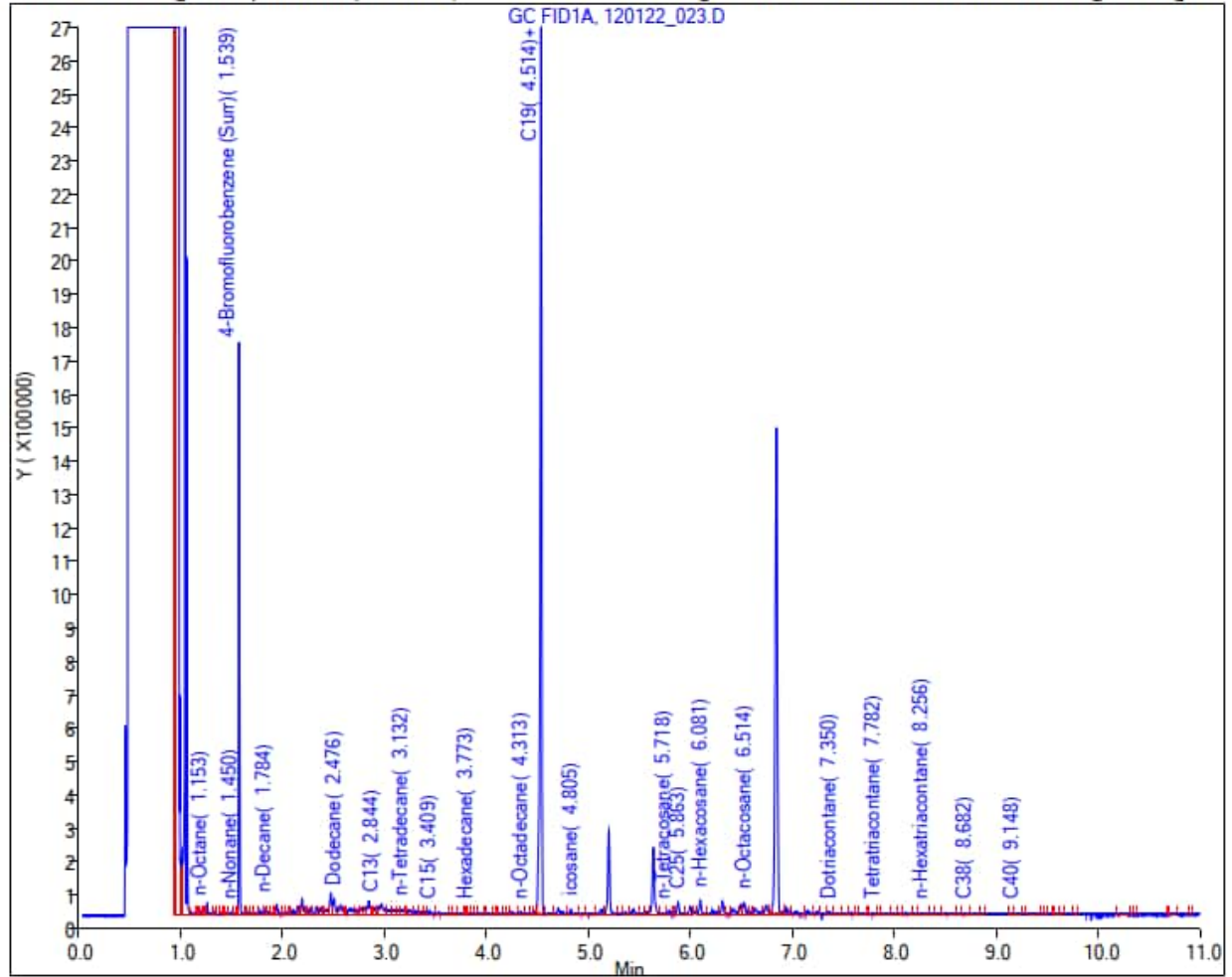
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW01R Sample ID: RHMW01R-WGN01B-2211WK4 Sample Date: 11/29/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 180

TPH-o (C24 to C40) <310 U

Report Date: 05-Dec-2022 14:25:27

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A033.D

Injection Date: 03-Dec-2022 23:03:17

Instrument ID: TAC129_R

Lims ID: 580-120540-O-22-A

Lab Sample ID: 580-120540-22

Client ID: RHMW01R-WGN01B-2211WK4

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 17

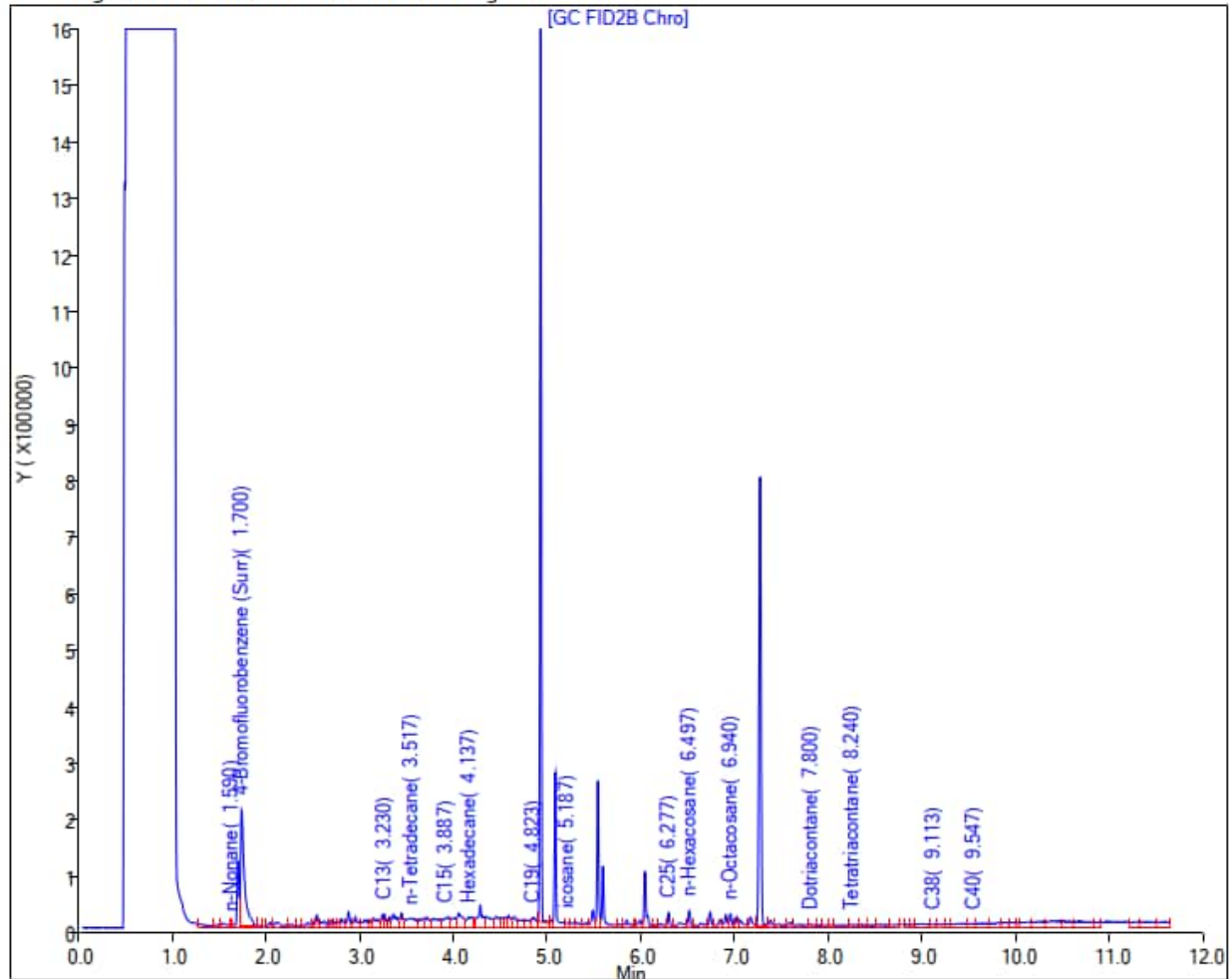
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 06-Dec-2022 15:35:52

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221205-86109.b\120522_026.D

Injection Date: 06-Dec-2022 01:07:30

Instrument ID: TAC020

Lims ID: 580-120540-O-22-B

Lab Sample ID: 580-120540-22

Client ID: RHMW01R-WGN01B-2211WK4

Operator ID: DH

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

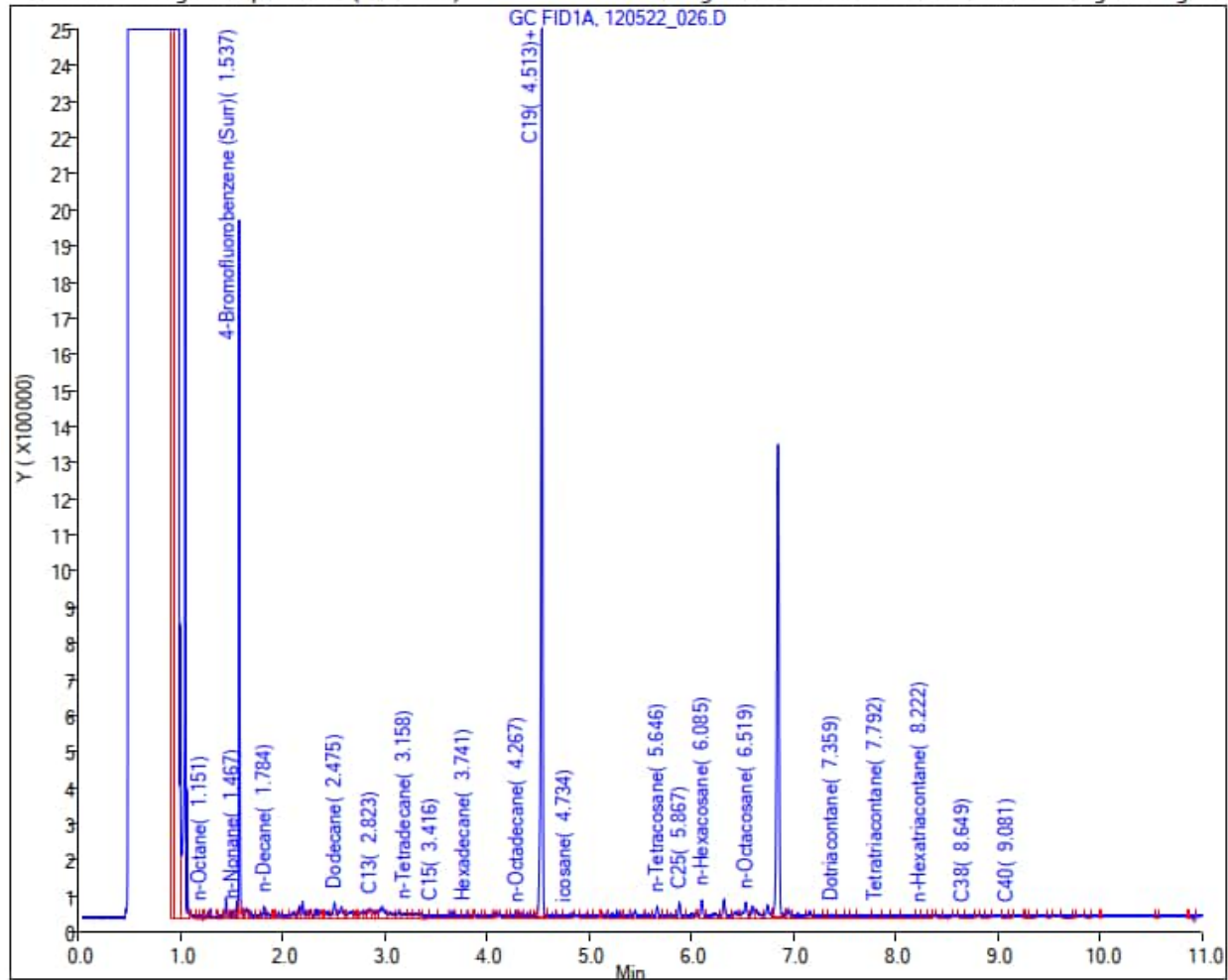
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW01R Sample ID: RHMW01R-WGN01B-2212WK3 Sample Date: 12/20/2022

Lab: Eurofins Seattle

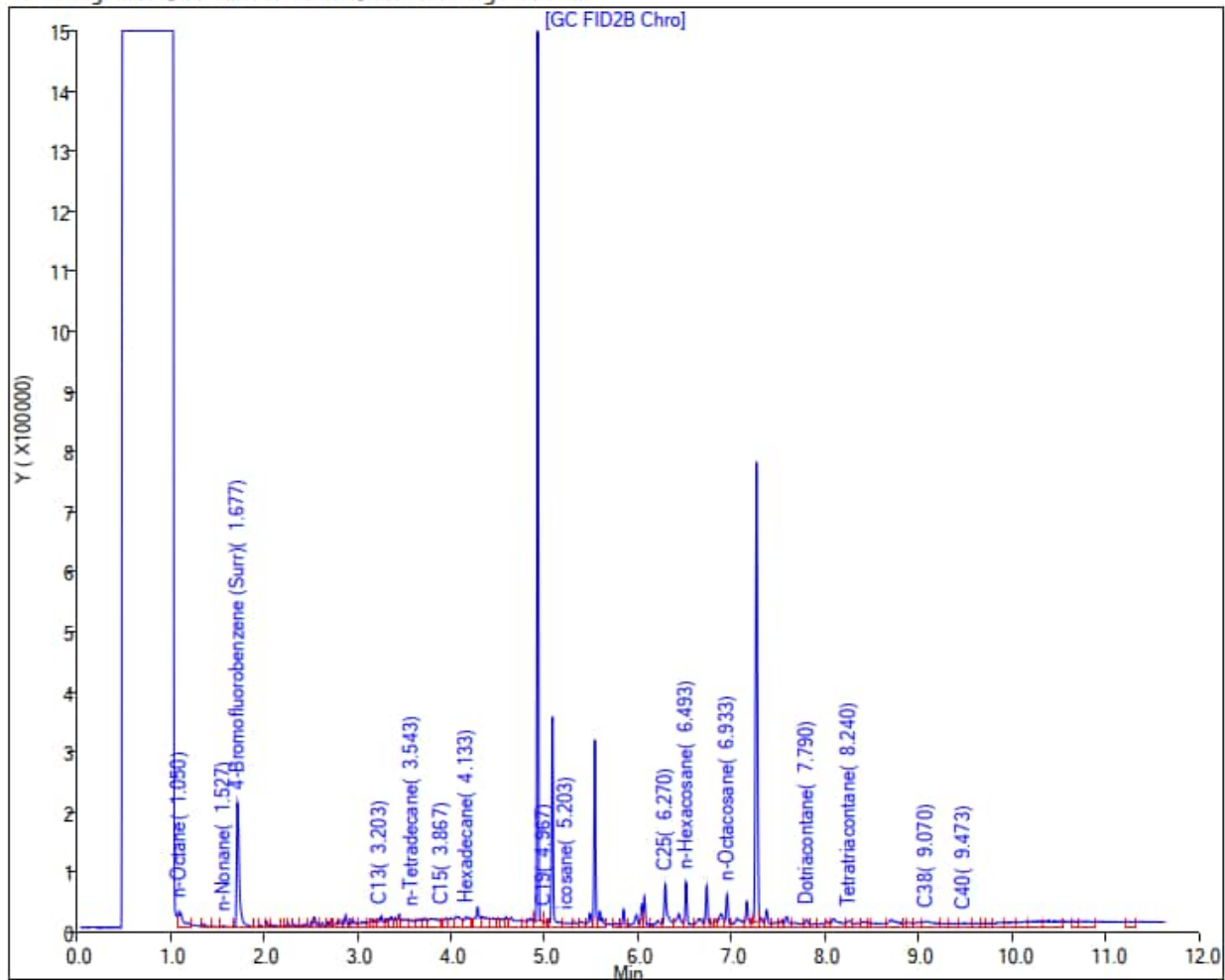
Results (ug/L): TPH-d (C10 to C24) 160

TPH-o (C24 to C40) <310 U

Report Date: 29-Dec-2022 14:32:39

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221228-86433.b\122822A021.D
Injection Date: 29-Dec-2022 01:25:46 Instrument ID: TAC129_R
Lims ID: 580-121497-N-17-A Lab Sample ID: 580-121497-17
Client ID: RHMW01R-WGN01B-2212WK3
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 14-Jan-2023 15:34:29

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230113-86667.b\0113a23A047.D

Injection Date: 14-Jan-2023 06:16:34

Instrument ID: TAC129_R

Lims ID: 580-121497-O-17-B

Lab Sample ID: 580-121497-17

Client ID: RHMW01R-WGN01B-2212WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 65

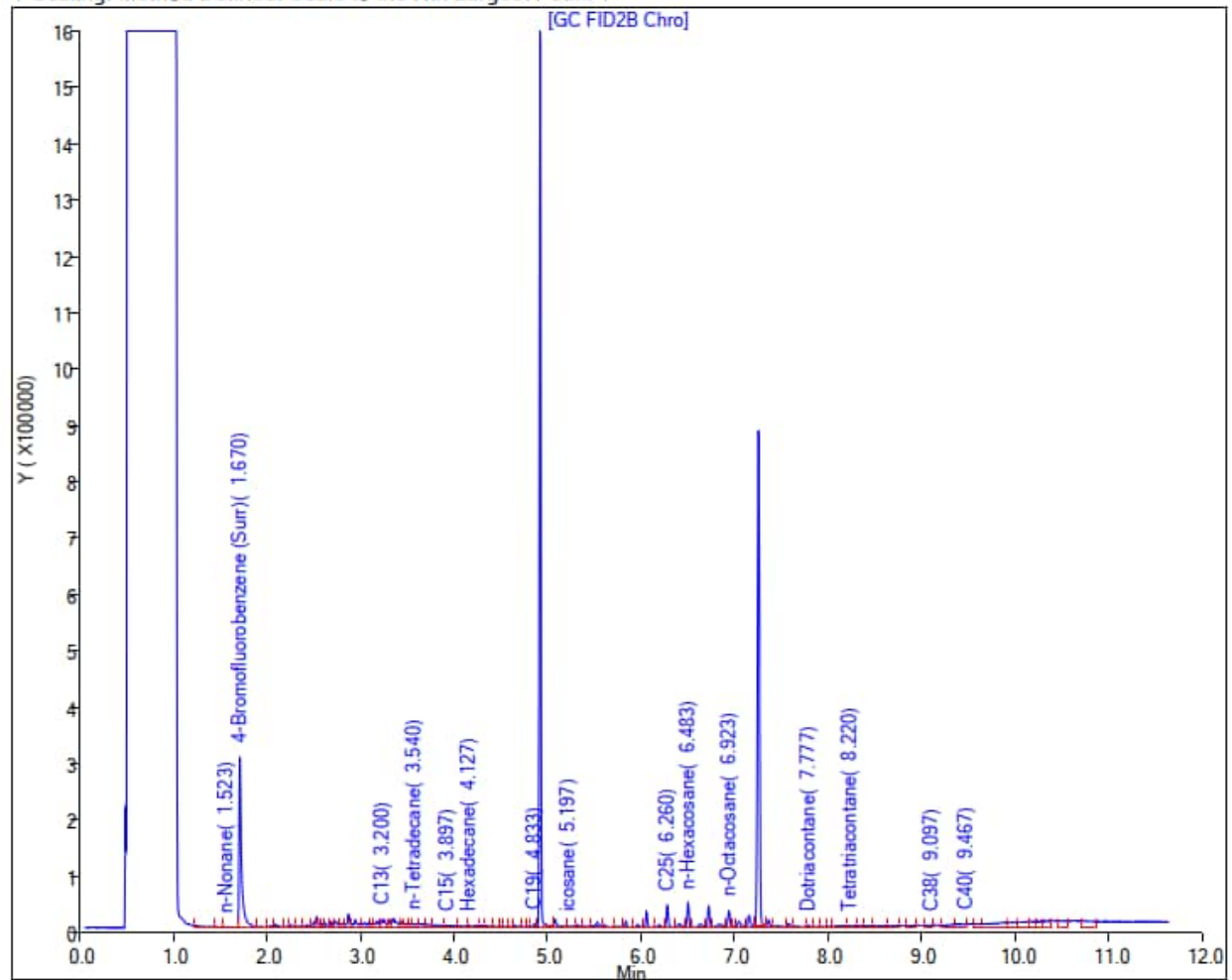
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW01R Sample ID: RHMW01R-WGN01B-2212WK4 Sample Date: 12/28/2022

Lab: Eurofins Seattle

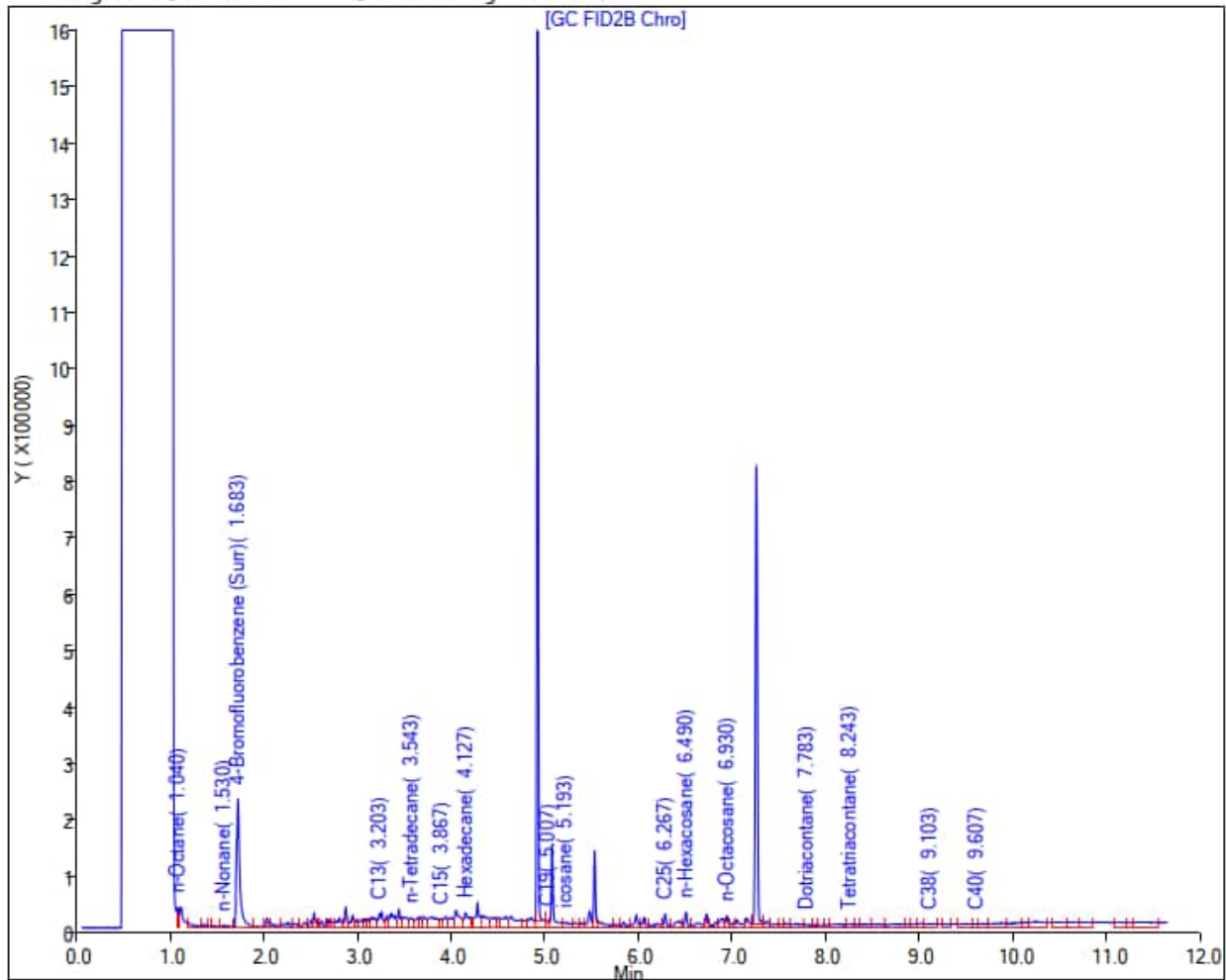
Results (ug/L): TPH-d (C10 to C24) 160

TPH-o (C24 to C40) <310 U

Report Date: 06-Jan-2023 14:12:34

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A035.D
Injection Date: 05-Jan-2023 20:34:52 Instrument ID: TAC129_R
Lims ID: 580-121703-F-5-A Lab Sample ID: 580-121703-5
Client ID: RHMW01R-WGN01B-2212WK4
Operator ID: CC ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 17-Jan-2023 09:36:32

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230116-86679.b\011623A087.D

Injection Date: 17-Jan-2023 00:26:02

Instrument ID: TAC129_R

Lims ID: 580-121703-F-5-B

Lab Sample ID: 580-121703-5

Client ID: RHMW01R-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 84

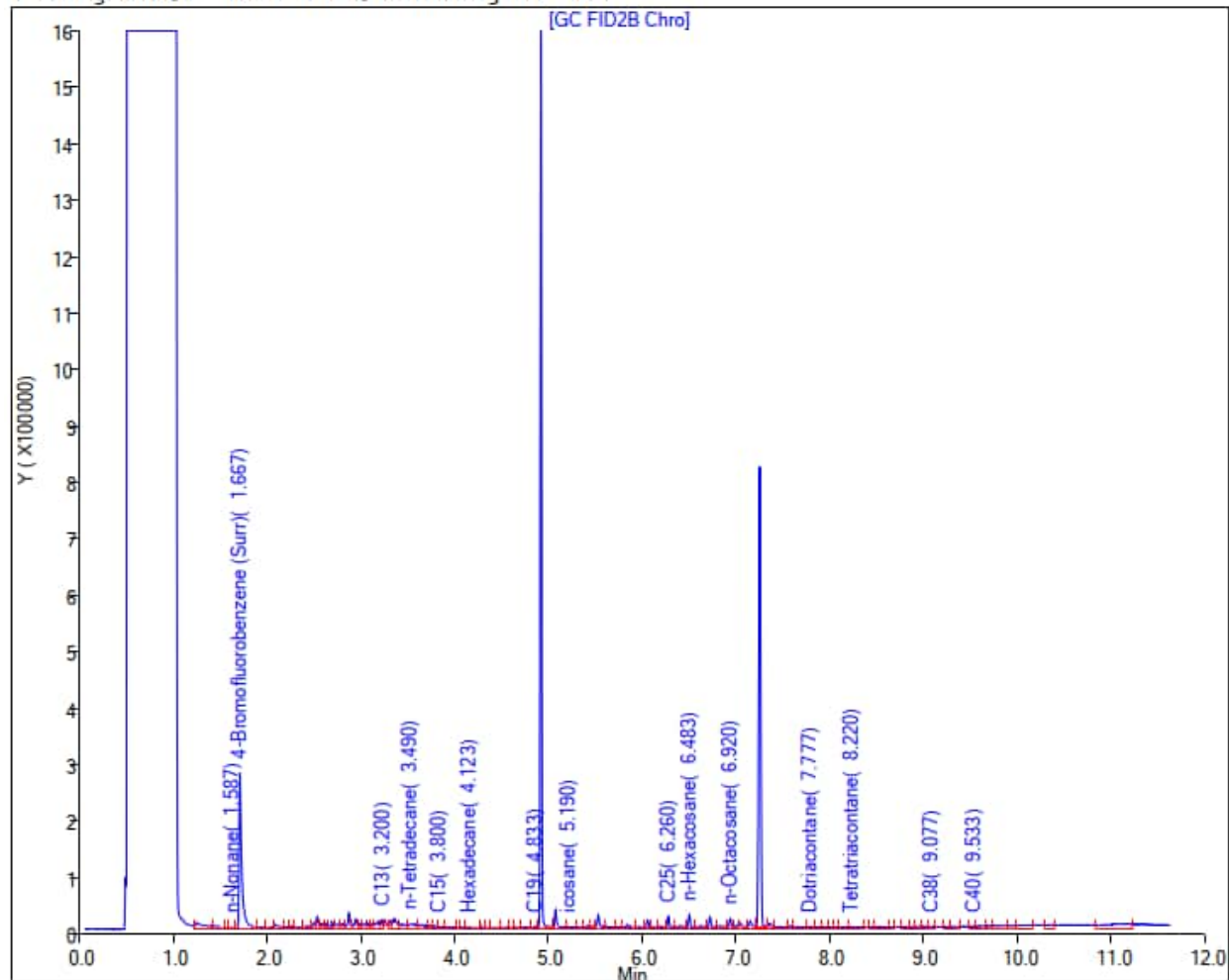
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW01R Sample ID: RHMW01R-WGN01B-2301WK1 Sample Date: 1/4/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 170

TPH-o (C24 to C40) <280 U

Report Date: 13-Jan-2023 14:26:27

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\011223A087.D

Injection Date: 13-Jan-2023 01:24:30

Instrument ID: TAC129_R

Lims ID: 580-121868-O-5-A

Lab Sample ID: 580-121868-5

Client ID: RHMW01R-WGN01B-2301WK1

Operator ID: kw/cc

ALS Bottle#: 0 Worklist Smp#: 39

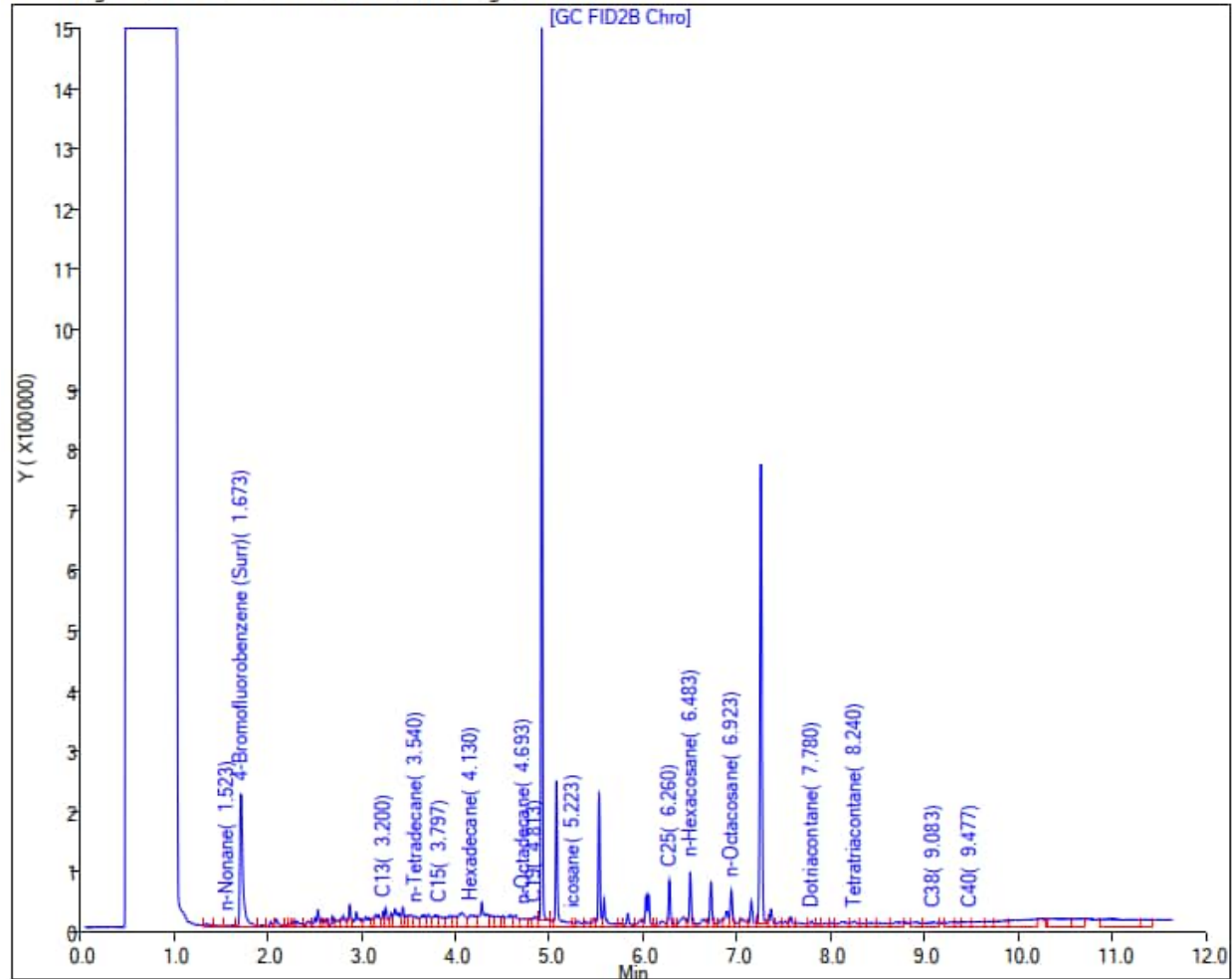
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <93 U

TPH-o SGC (C24 to C40) <280 U

Report Date: 24-Jan-2023 08:27:22

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_025.D

Injection Date: 23-Jan-2023 18:08:56

Instrument ID: TAC020

Lims ID: 580-121868-O-5-B

Lab Sample ID: 580-121868-5

Client ID: RHMW01R-WGN01B-2301WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 25

Injection Vol: 1.0 ul

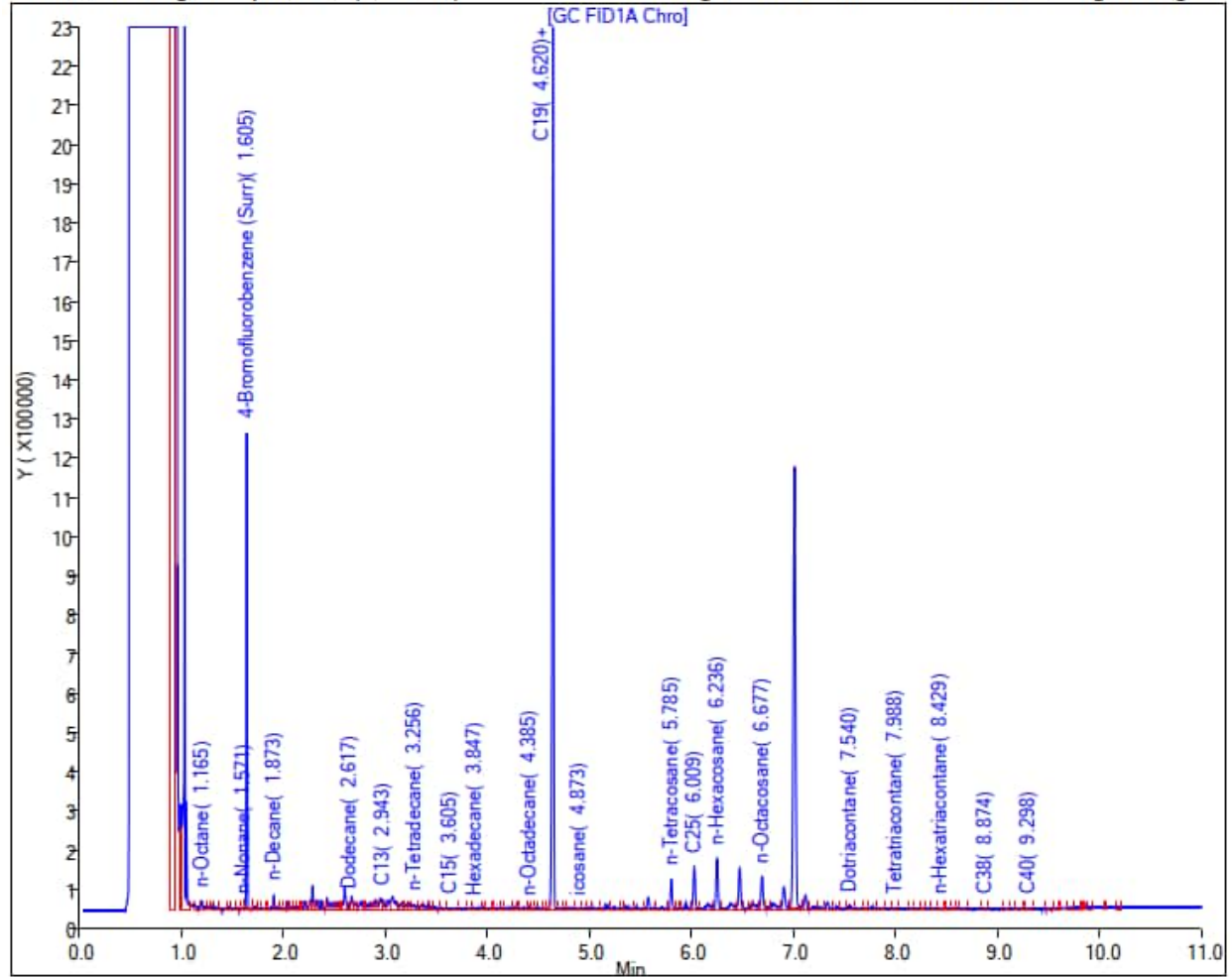
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW01R Sample ID: RHMW01R-WGN01B-2301WK2 Sample Date: 1/10/2023

Lab: Eurofins Seattle

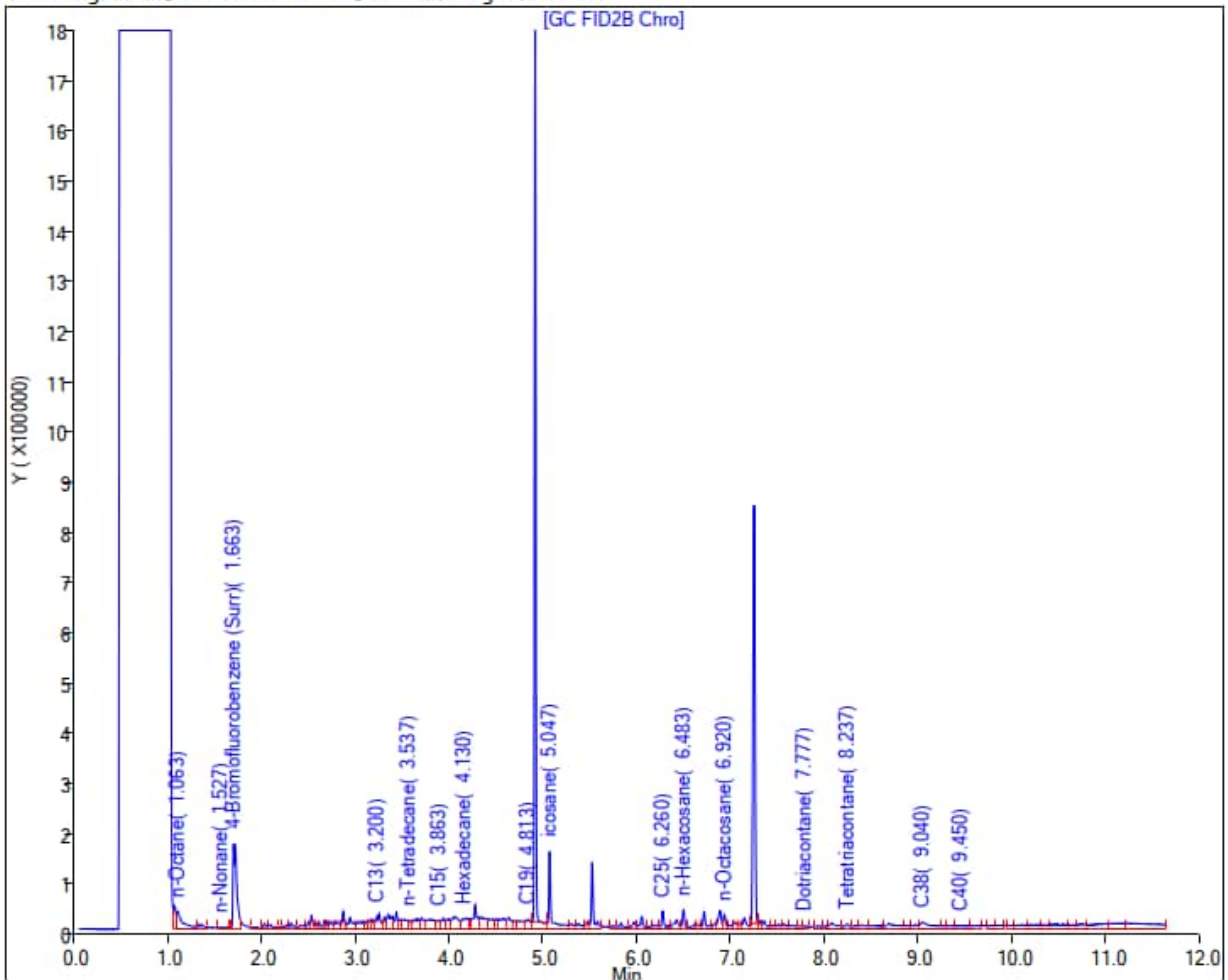
Results (ug/L): TPH-d (C10 to C24) 180

TPH-o (C24 to C40) <310 U

Report Date: 18-Jan-2023 09:33:33

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A039.D
Injection Date: 18-Jan-2023 03:22:08 Instrument ID: TAC129_R
Lims ID: 580-122061-N-11-A Lab Sample ID: 580-122061-11
Client ID: RHMW01R-WGN01B-2301WK2
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 49
Injection Vol: 1.0 uL/L Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 20-Jan-2023 11:08:18

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230119-86748.b\011923A049.D

Injection Date: 19-Jan-2023 18:42:57

Instrument ID: TAC129_R

Lims ID: 580-122061-N-11-B

Lab Sample ID: 580-122061-11

Client ID: RHMW01R-WGN01B-2301WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 25

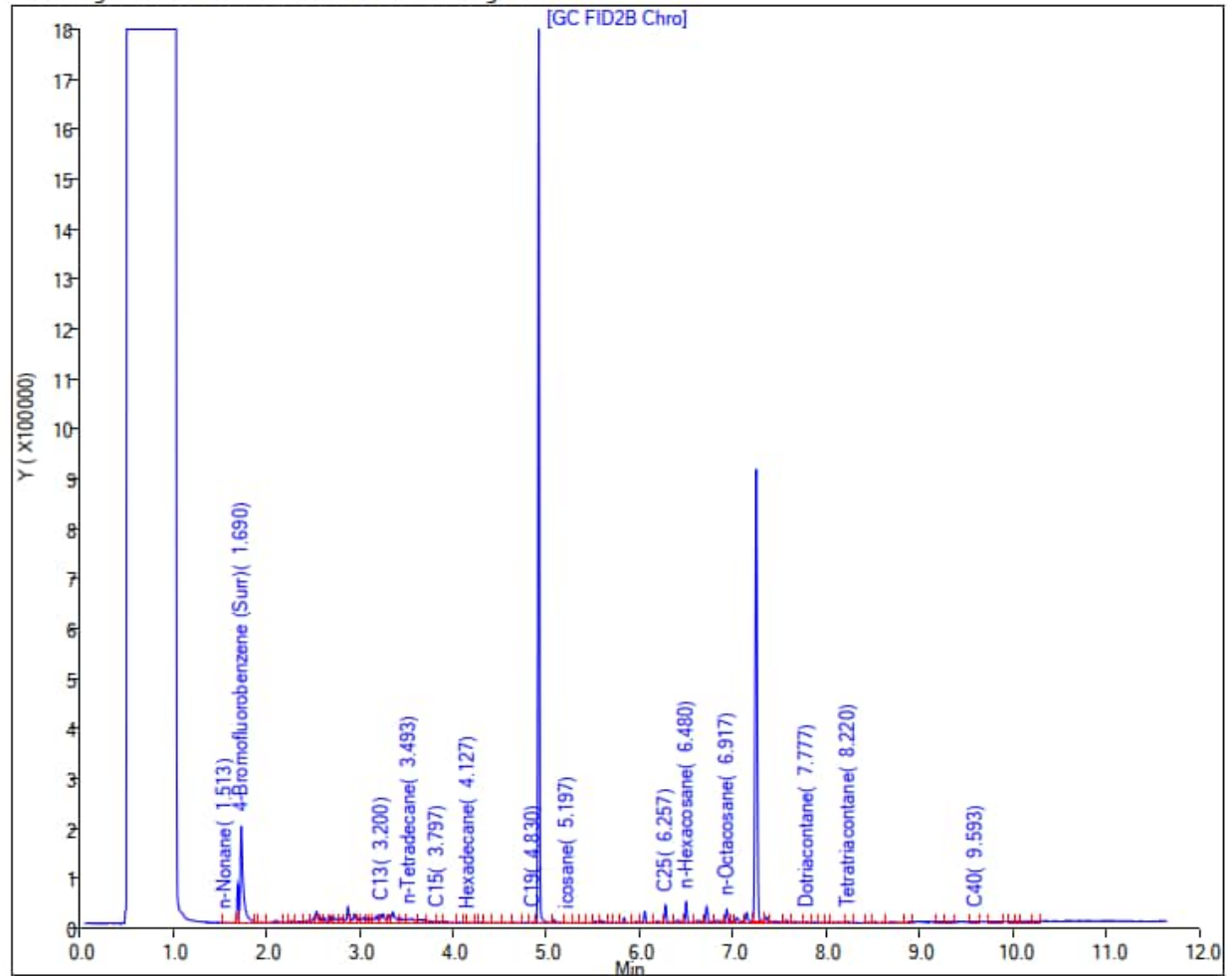
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW01R Sample ID: RHMW01R-WGN01B-2301WK3 Sample Date: 1/17/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 230 J+

TPH-o (C24 to C40) <300 U

Report Date: 26-Jan-2023 12:15:33

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230125-86809.b\0125b23_056.D

Injection Date: 26-Jan-2023 10:03:29

Instrument ID: TAC020

Lims ID: 580-122420-N-11-A

Lab Sample ID: 580-122420-11

Client ID: RHMW01R-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 129

Injection Vol: 1.0 ul

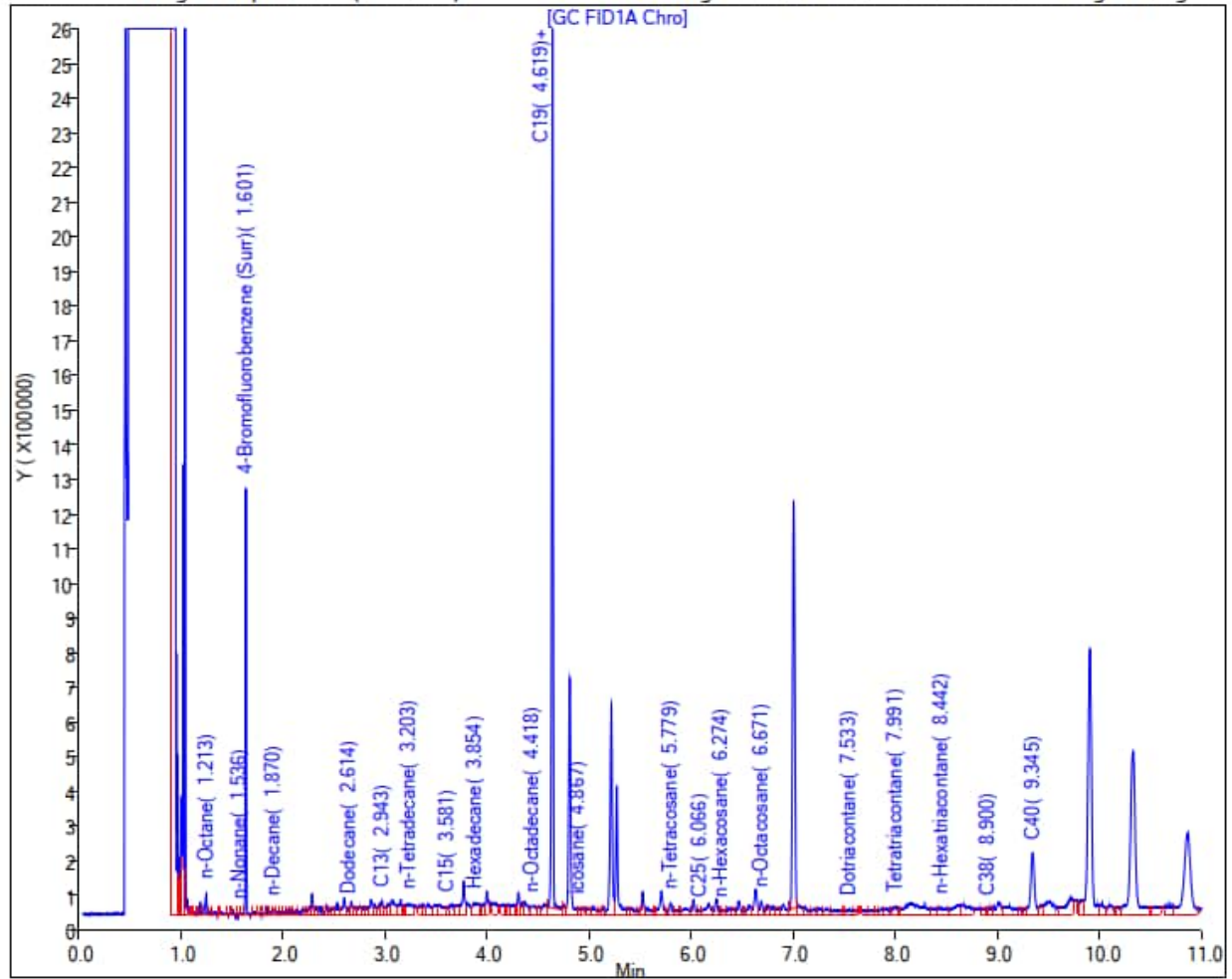
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 03-Feb-2023 08:36:41

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230202-86914.b\020223A011.D

Injection Date: 02-Feb-2023 11:18:09

Instrument ID: TAC129_R

Lims ID: 580-122420-N-11-B

Lab Sample ID: 580-122420-11

Client ID: RHMW01R-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 6

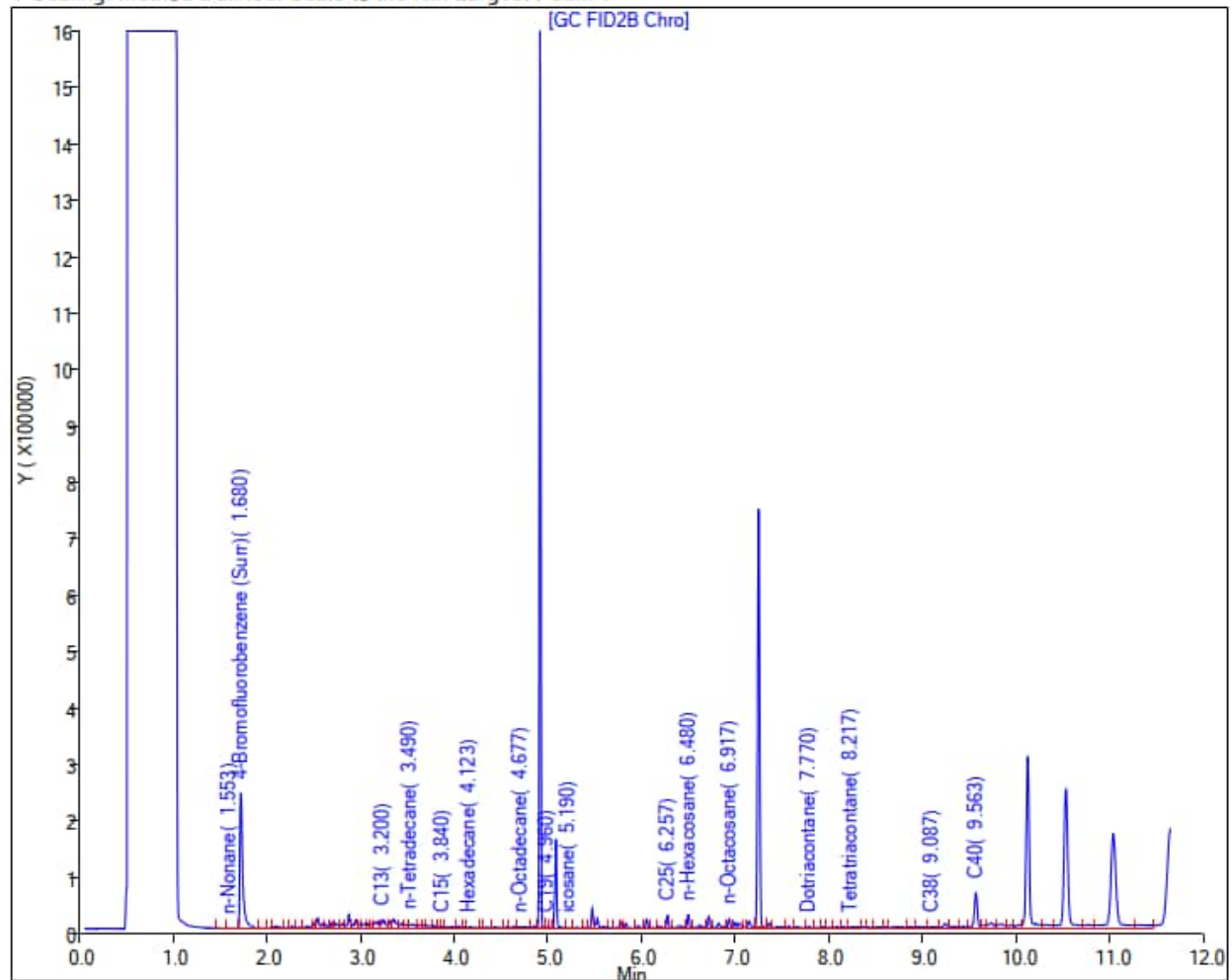
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW01R Sample ID: RHMW01R-WGN01B-2301WK4 Sample Date: 1/24/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 180 J-

TPH-o (C24 to C40) <310 UJ

Report Date: 03-Feb-2023 08:42:18

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Data File: \\chromfs\Seattle\ChromData\TAC020\20230202-86931.b\0202b23_038.D

Injection Date: 03-Feb-2023 05:01:17

Instrument ID: TAC020

Lims ID: 580-122714-F-11-A

Lab Sample ID: 580-122714-11

Client ID: RHMW01R-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 71

Injection Vol: 1.0 ul

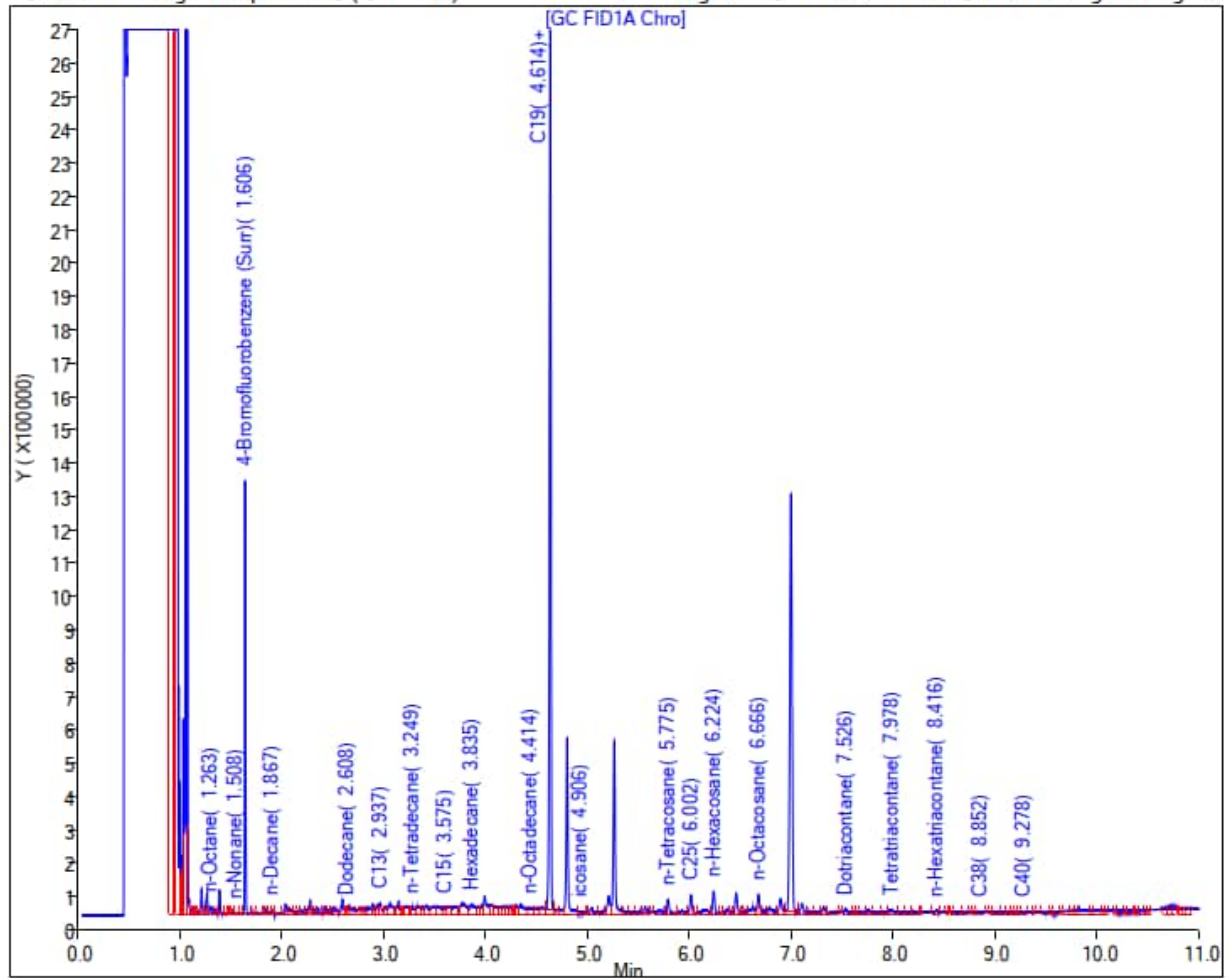
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 UJ

TPH-o SGC (C24 to C40) <310 UJ

Report Date: 07-Feb-2023 11:17:36

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230206-86958.b\020623_023.D

Injection Date: 06-Feb-2023 16:55:51

Instrument ID: TAC020

Lims ID: 580-122714-F-11-B

Lab Sample ID: 580-122714-11

Client ID: RHMW01R-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul

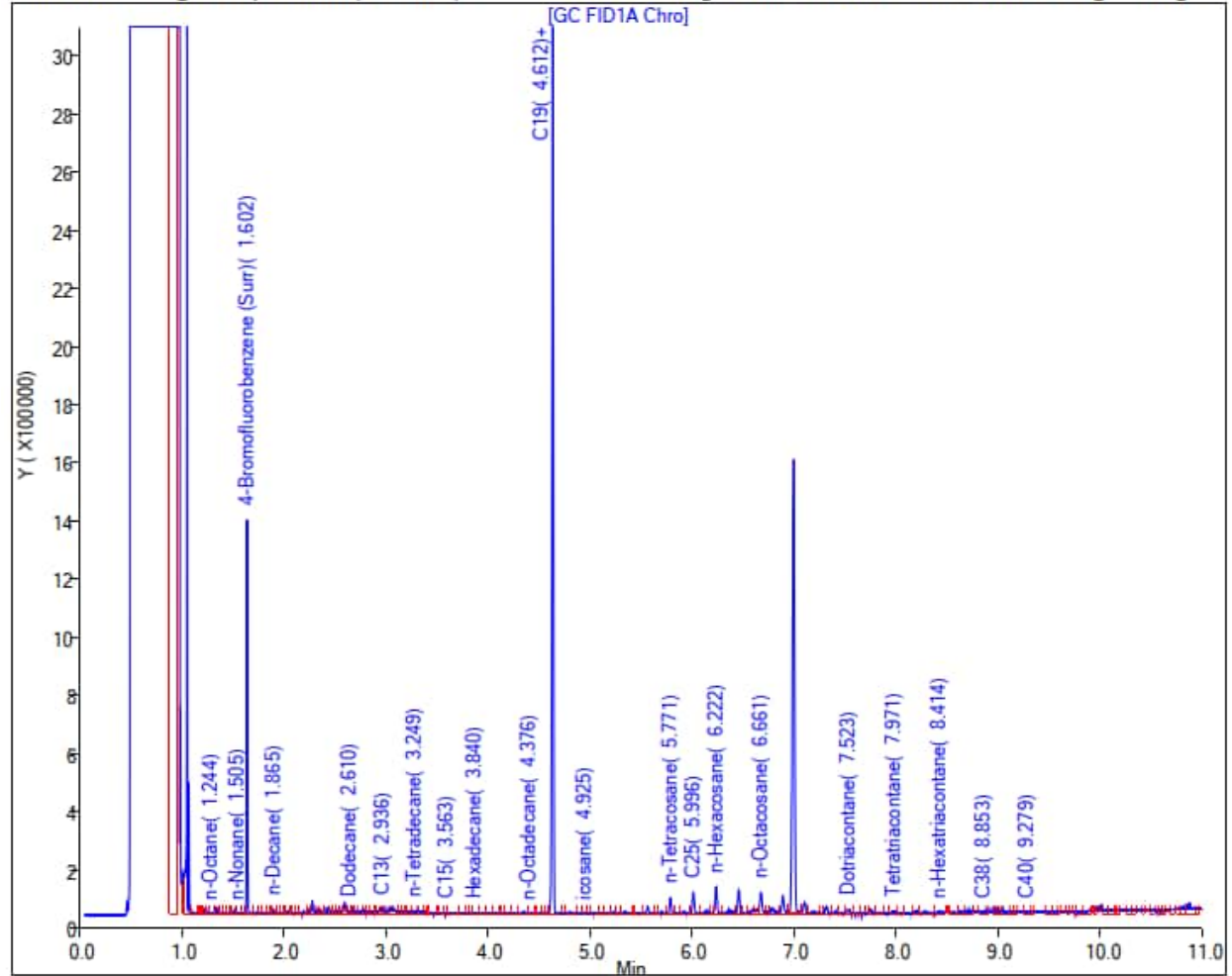
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2211WK1 Sample Date: 11/8/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 2700 J

TPH-o (C24 to C40) 210 J

Report Date: 15-Nov-2022 19:15:43

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85802.b\1114aa22A023.D

Injection Date: 15-Nov-2022 02:05:59

Instrument ID: TAC129_R

Lims ID: 580-119865-N-8-A

Lab Sample ID: 580-119865-8

Client ID: RHMW02-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 12

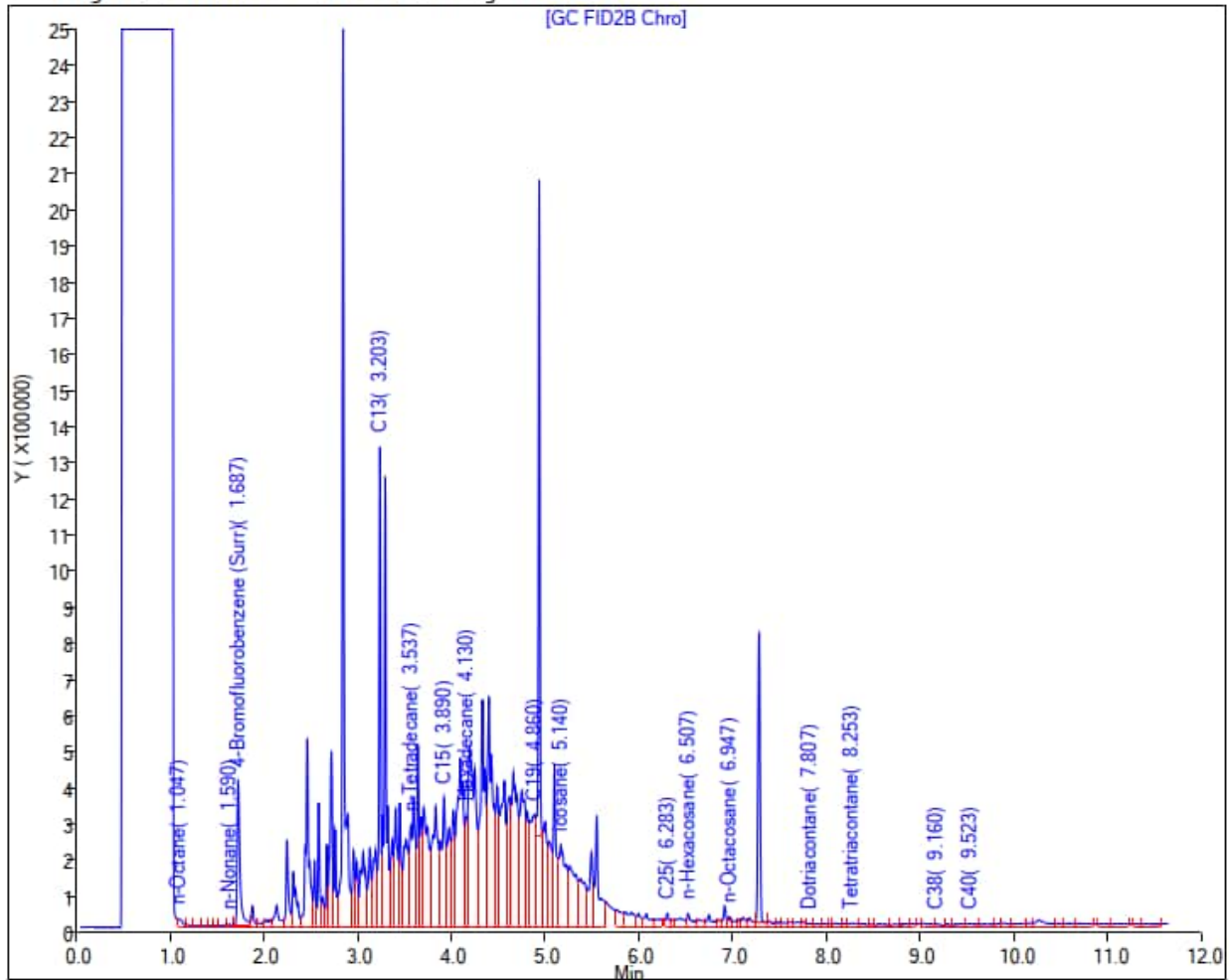
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 820

TPH-o SGC (C24 to C40) <310 U

Report Date: 16-Nov-2022 11:22:39

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221115-85803.b\1115ab22_009.D

Injection Date: 16-Nov-2022 00:06:30

Instrument ID: TAC020

Lims ID: 580-119865-N-8-C

Lab Sample ID: 580-119865-8

Client ID: RHMW02-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 8 Worklist Smp#: 25

Injection Vol: 1.0 ul

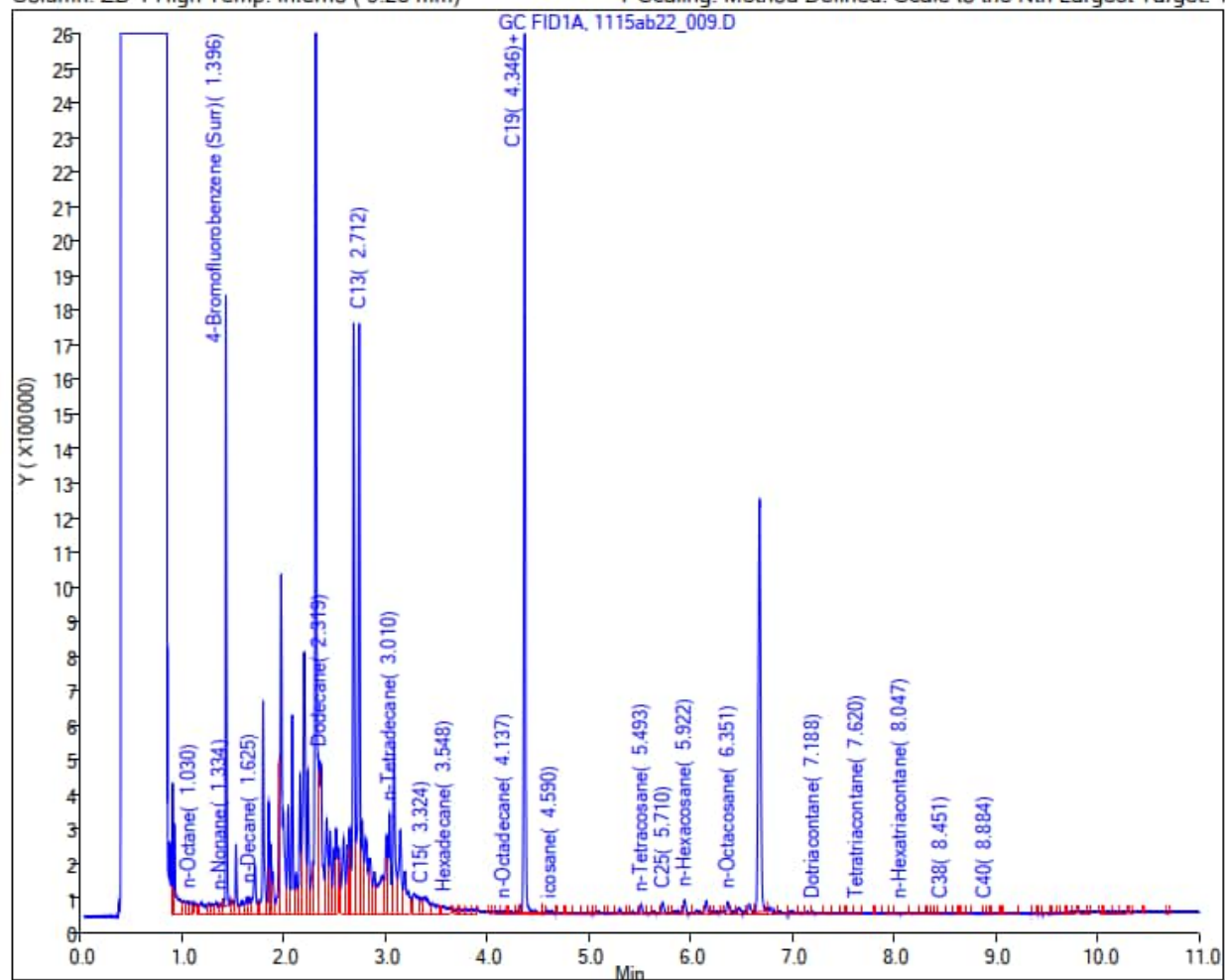
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW02 Sample ID: RHMW02-WGN02B-2211WK1 Sample Date: 11/10/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1400

TPH-o (C24 to C40) 250 J

Report Date: 17-Nov-2022 11:55:05

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A041.D

Injection Date: 17-Nov-2022 04:16:36

Instrument ID: TAC129_R

Lims ID: 580-119993-N-7-A

Lab Sample ID: 580-119993-7

Client ID: RHMW02-WGN02B-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 50

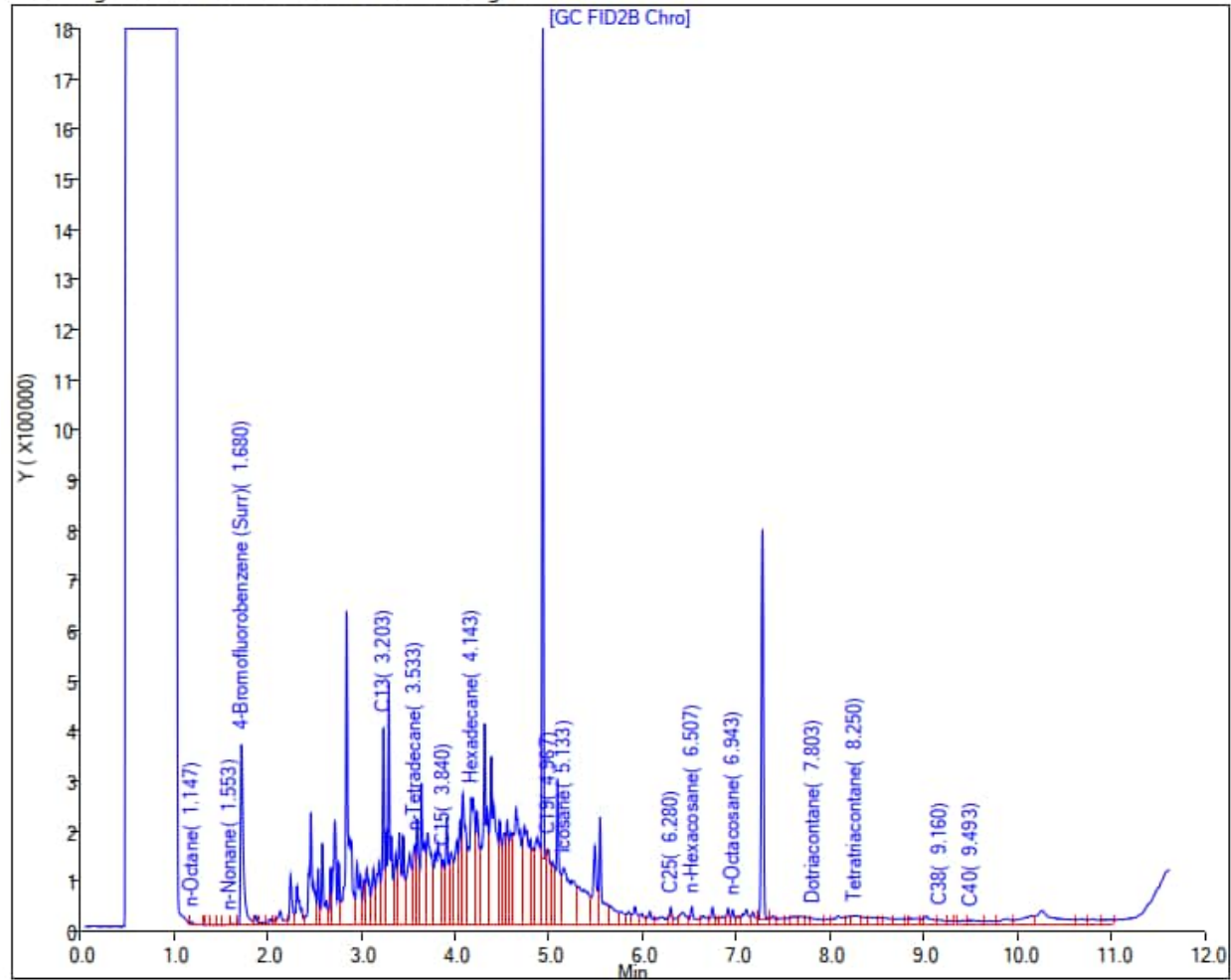
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 420

TPH-o SGC (C24 to C40) <310 U

Report Date: 18-Nov-2022 11:58:30

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_009.D

Injection Date: 17-Nov-2022 22:18:30

Instrument ID: TAC020

Lims ID: 580-119993-N-7-B

Lab Sample ID: 580-119993-7

Client ID: RHMW02-WGN02B-2211WK1

Operator ID: DH/CC

ALS Bottle#: 8 Worklist Smp#: 11

Injection Vol: 1.0 ul

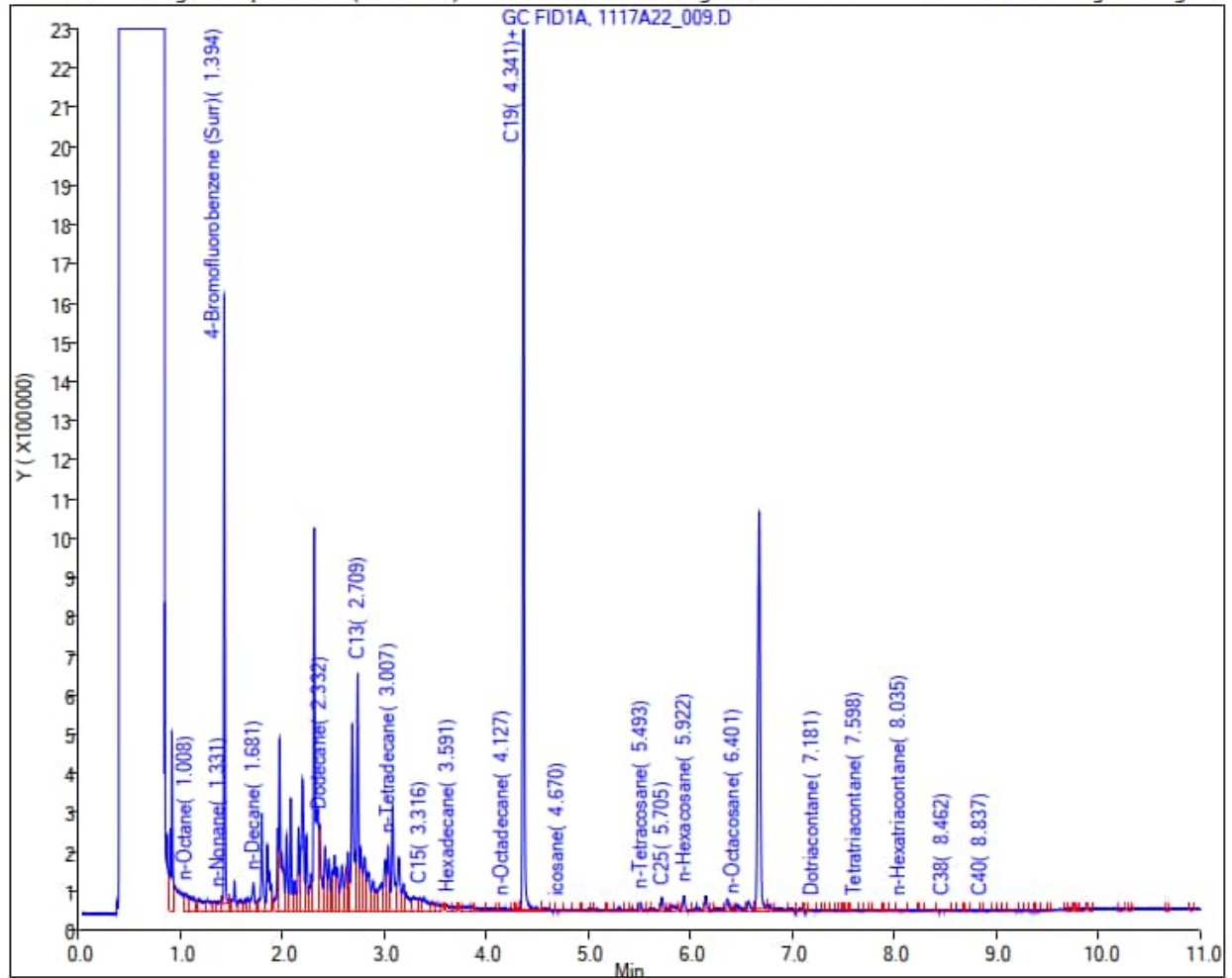
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2211WK2 Sample Date: 11/15/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1300

TPH-o (C24 to C40) <310 U

Report Date: 22-Nov-2022 14:59:40

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_019.D

Injection Date: 21-Nov-2022 23:42:30

Instrument ID: TAC020

Lims ID: 580-120153-N-7-A

Lab Sample ID: 580-120153-7

Client ID: RHMW02-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#: 18

Worklist Smp#: 18

Injection Vol: 1.0 ul

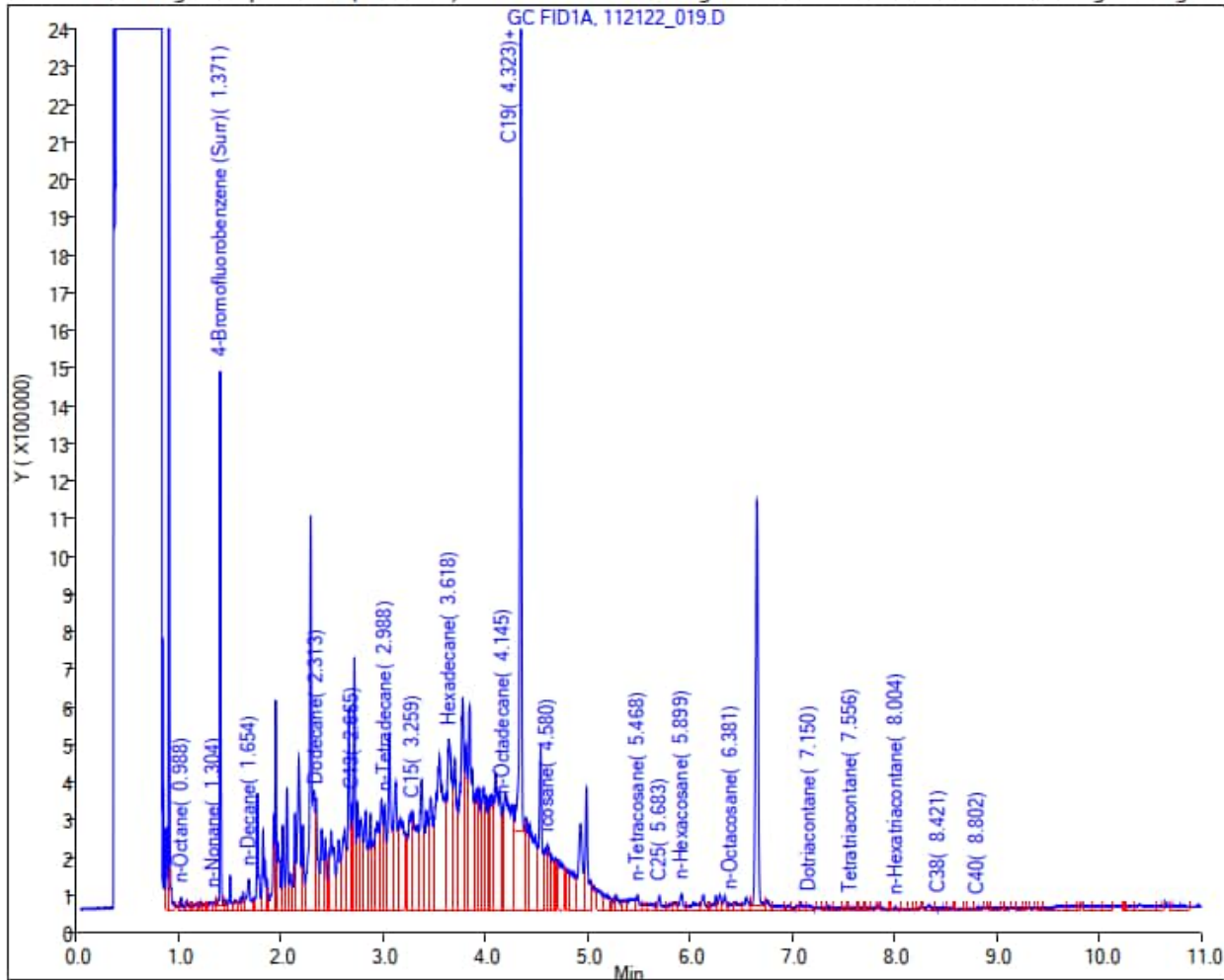
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) 390

TPH-o SGC (C24 to C40) <310 U

Report Date: 23-Nov-2022 12:59:51

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221122-85928.b\1122ab22A039.D

Injection Date: 22-Nov-2022 22:37:08

Instrument ID: TAC129_R

Lims ID: 580-120153-N-7-C

Lab Sample ID: 580-120153-7

Client ID: RHMW02-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 30

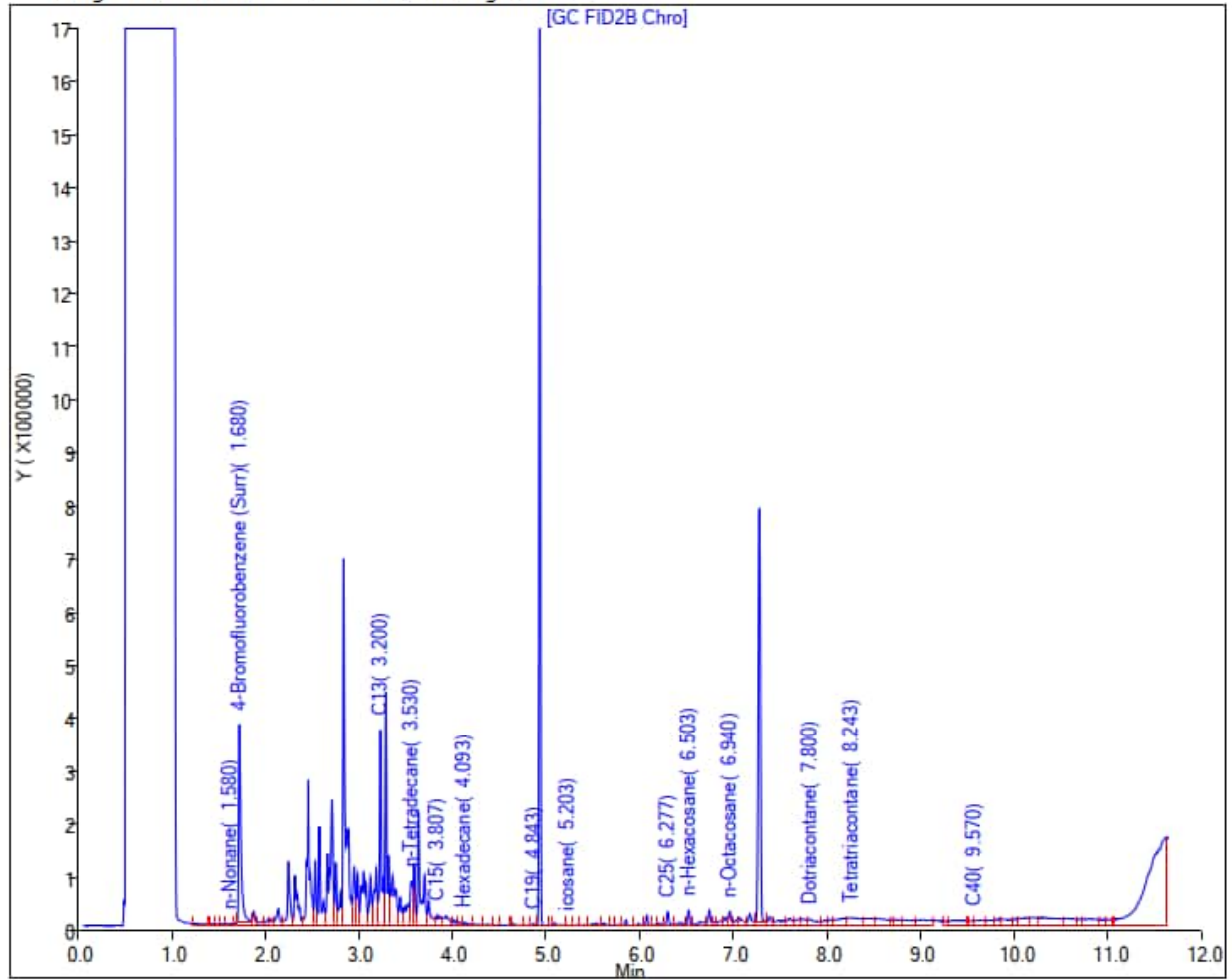
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN02B-2211WK2 Sample Date: 11/17/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1900

TPH-o (C24 to C40) 210 J

Report Date: 23-Nov-2022 12:55:28

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221122-85931.b\1122ab22A070.D

Injection Date: 23-Nov-2022 03:15:27

Instrument ID: TAC129

Lims ID: 580-120199-N-17-A

Lab Sample ID: 580-120199-17

Client ID: RHMW02-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 60

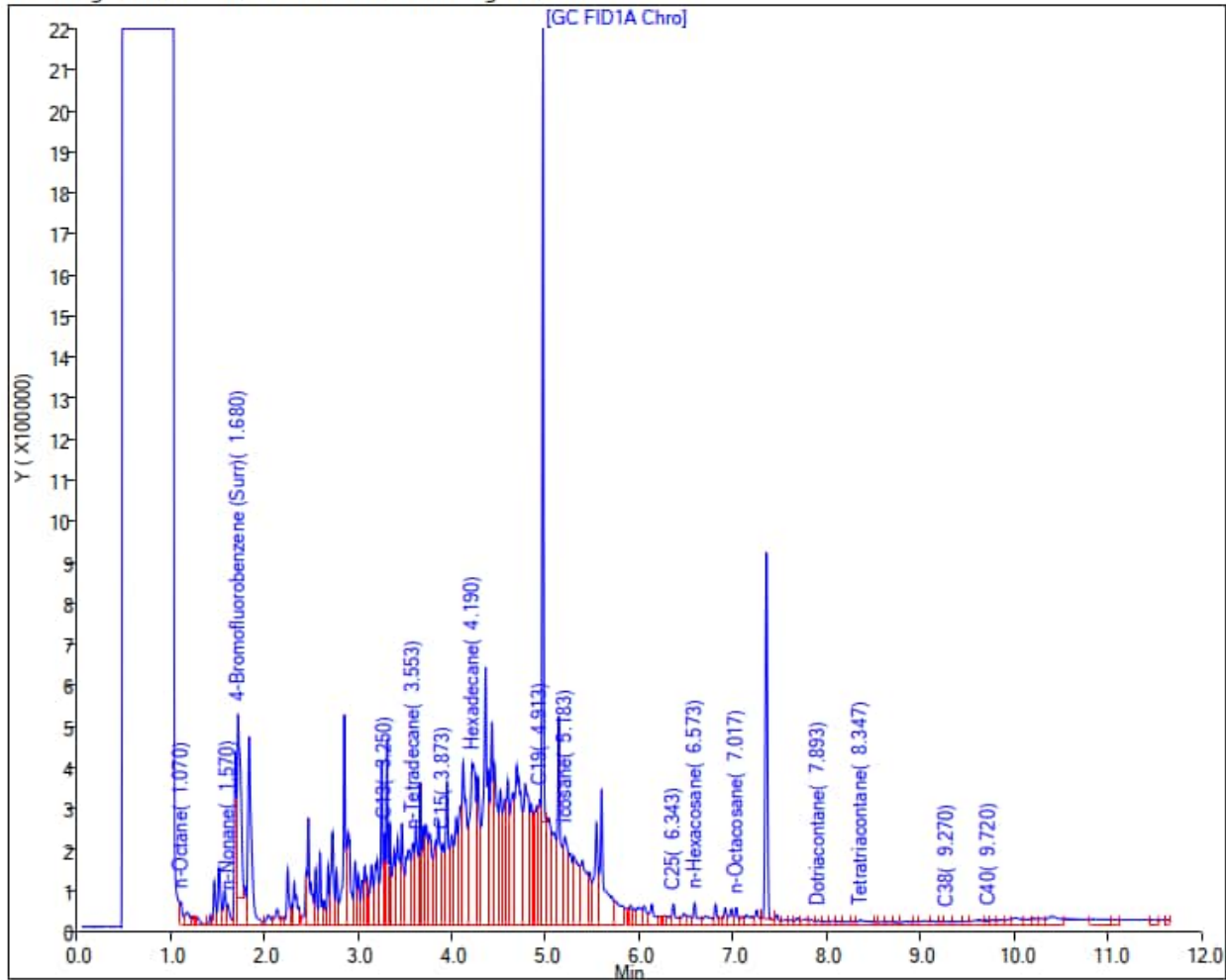
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 490

TPH-o SGC (C24 to C40) <300 U

Report Date: 30-Nov-2022 14:22:11

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221129-86014.b\112922_016.D

Injection Date: 29-Nov-2022 23:44:30

Instrument ID: TAC020

Lims ID: 580-120199-N-17-B

Lab Sample ID: 580-120199-17

Client ID: RHMW02-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul

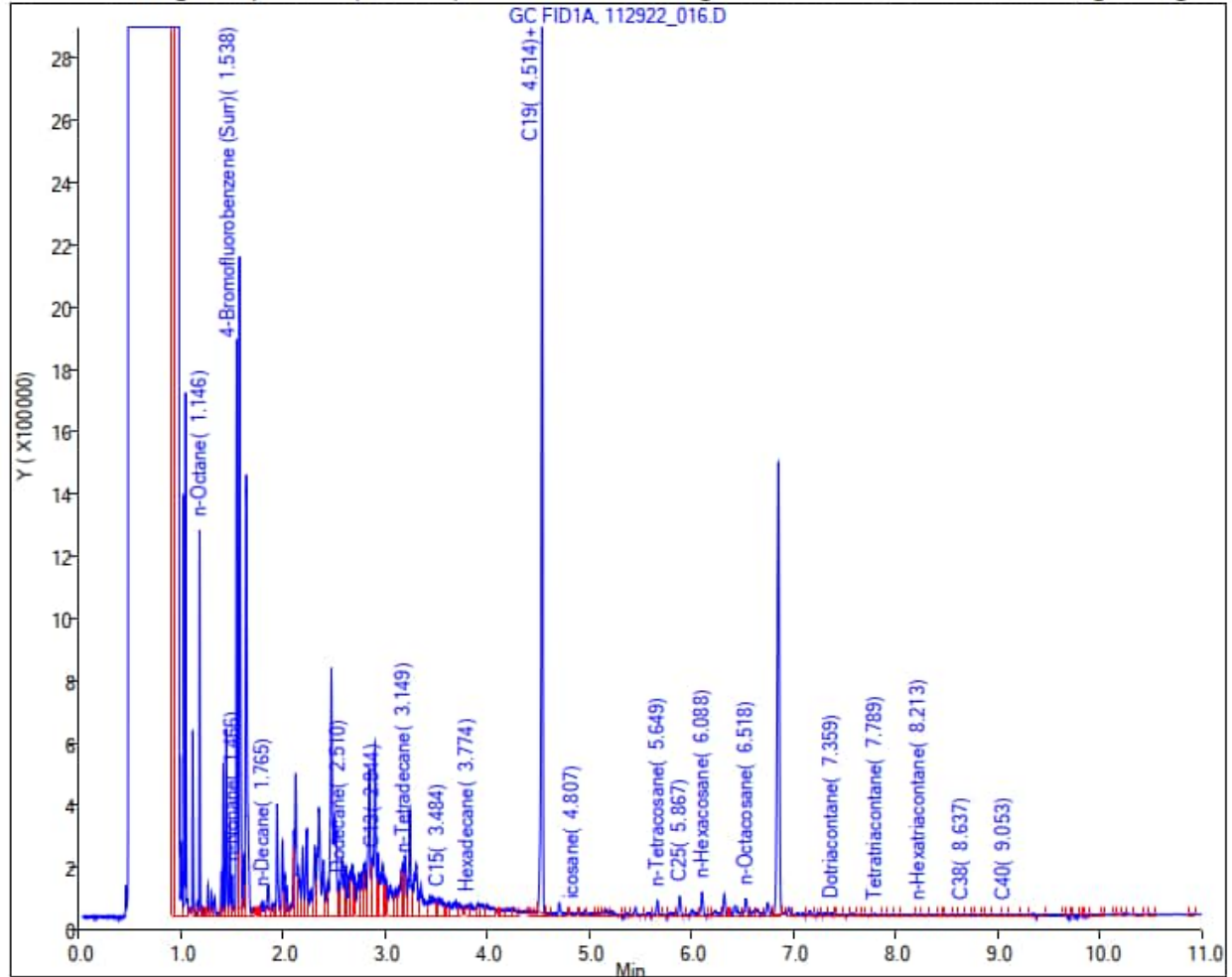
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2211WK3 Sample Date: 11/20/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1600

TPH-o (C24 to C40) 240 J

Report Date: 04-Jan-2023 18:43:59

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221229-86444.b\122922A023.D

Injection Date: 29-Dec-2022 17:10:43

Instrument ID: TAC129_R

Lims ID: 580-120304-N-1-A

Lab Sample ID: 580-120304-1

Client ID: RHMW09-WGN01B-2211WK3

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 58

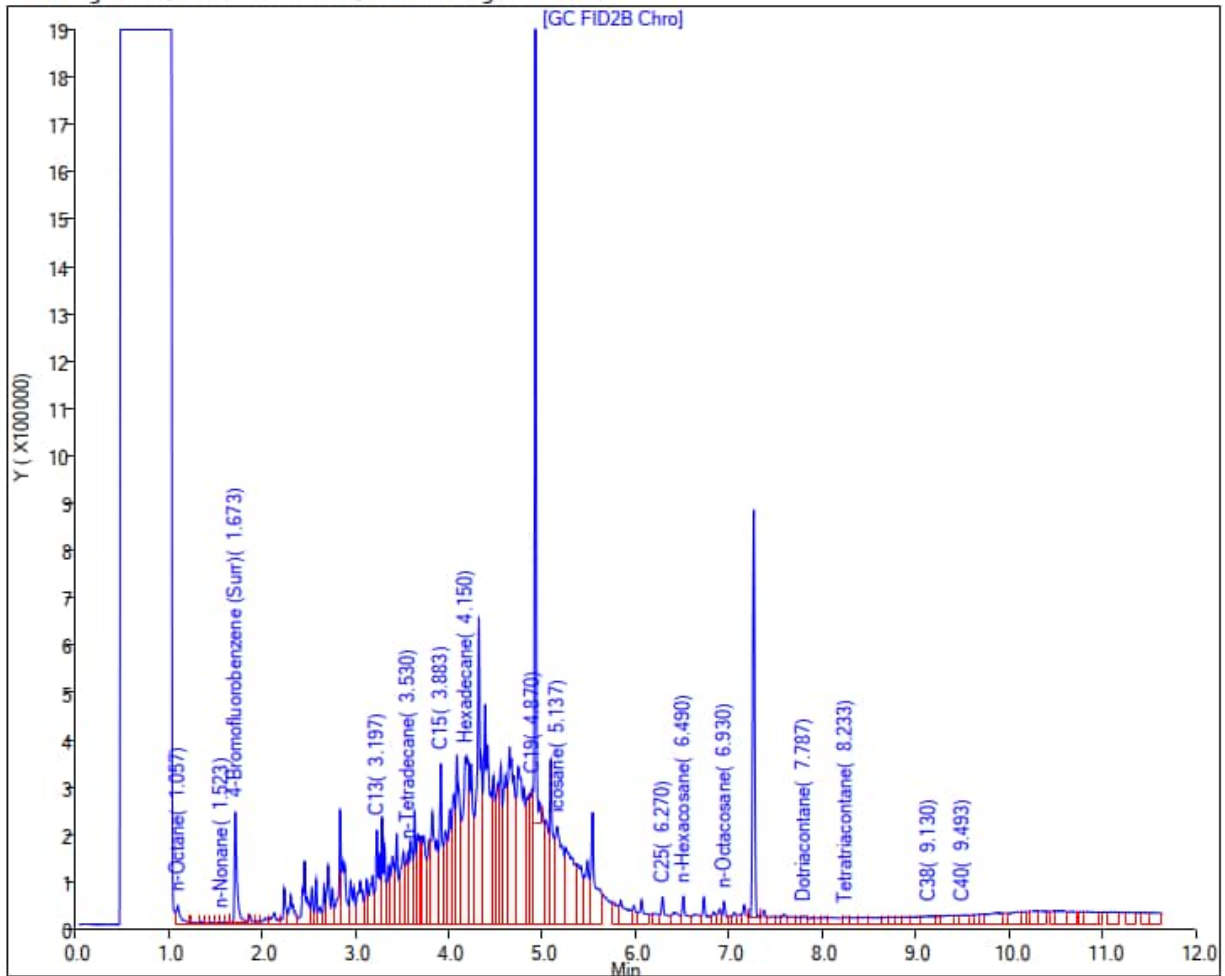
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 260 J

TPH-o SGC (C24 to C40) <310 U

Report Date: 02-Dec-2022 14:14:45

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221201-86051.b\120122_022.D

Injection Date: 01-Dec-2022 23:20:30

Instrument ID: TAC020

Lims ID: 580-120304-N-1-C

Lab Sample ID: 580-120304-1

Client ID: RHMW09-WGN01B-2211WK3

Operator ID: DH

ALS Bottle#: 22 Worklist Smp#: 22

Injection Vol: 1.0 ul

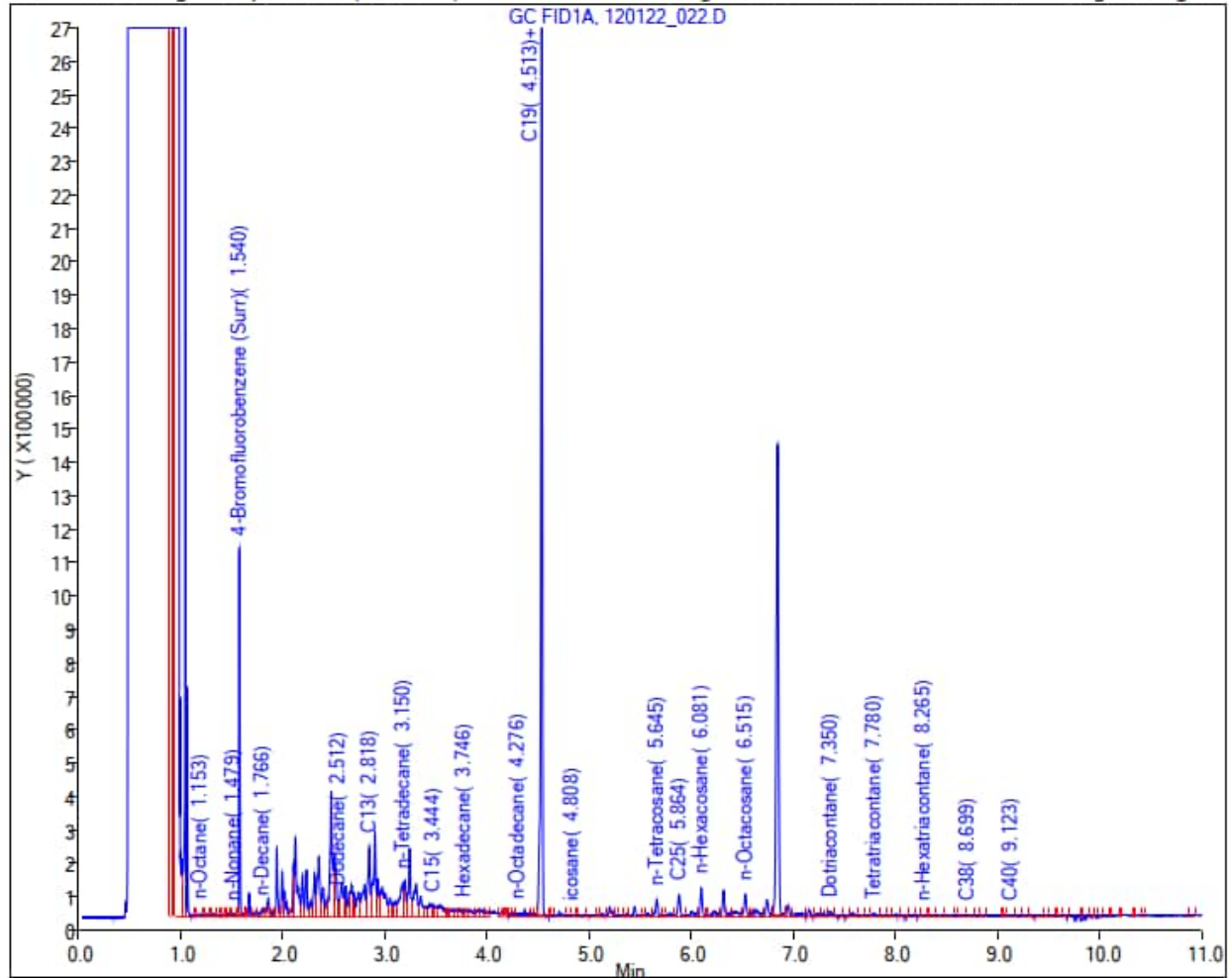
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2211WK4 Sample Date: 11/29/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 2000

TPH-o (C24 to C40) 230 J

Report Date: 05-Dec-2022 14:22:52

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A015.D

Injection Date: 03-Dec-2022 20:16:15

Instrument ID: TAC129_R

Lims ID: 580-120540-O-1-A

Lab Sample ID: 580-120540-1

Client ID: RHMW02-WGN01B-2211WK4

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 8

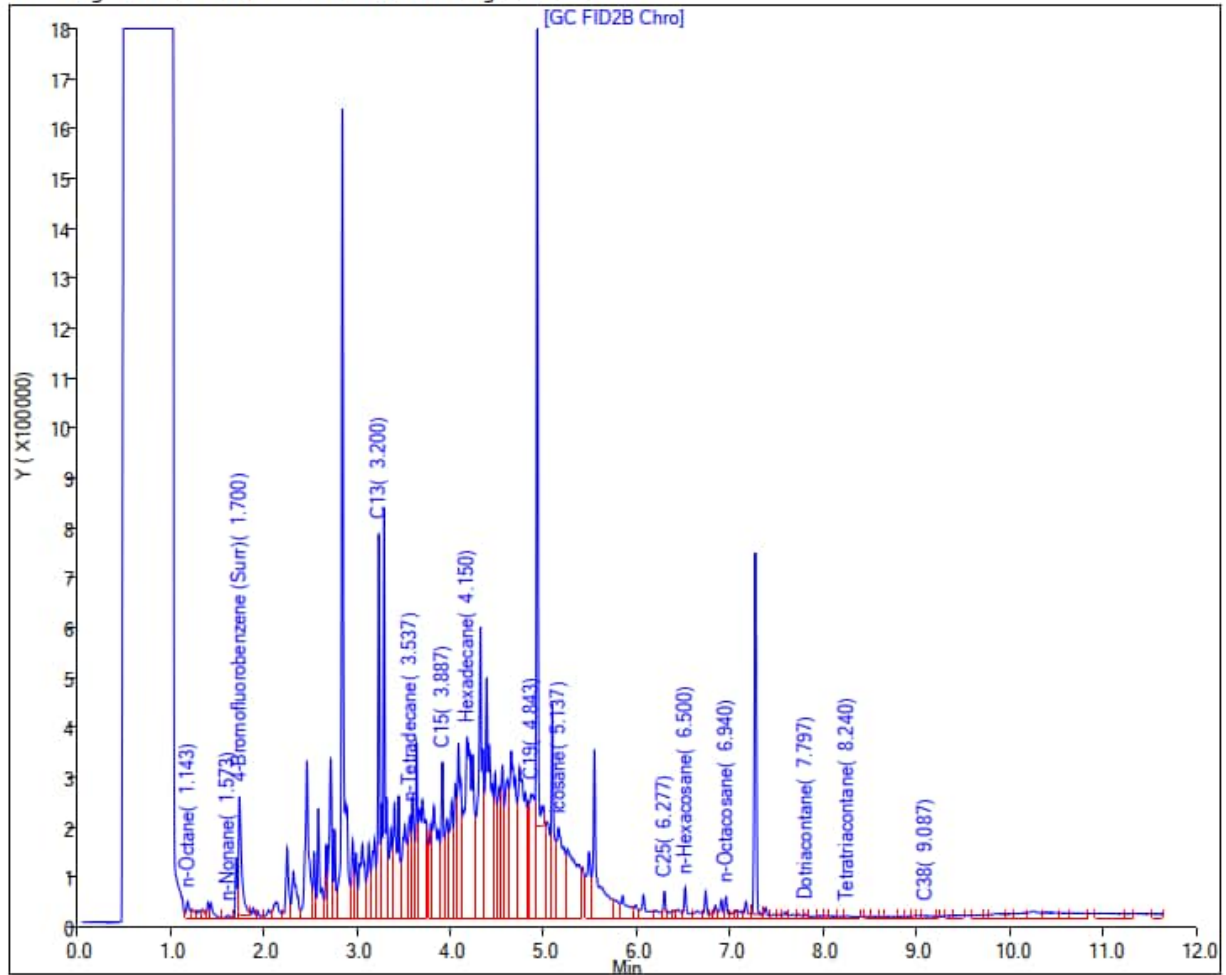
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 1600

TPH-o SGC (C24 to C40) <300 U

Report Date: 06-Dec-2022 15:35:15

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurolins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221205-86109.b\120522_017.D

Injection Date: 05-Dec-2022 22:06:30

Instrument ID: TAC020

Lims ID: 580-120540-O-1-B

Lab Sample ID: 580-120540-1

Client ID: RHMW02-WGN01B-2211WK4

Operator ID: DH

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

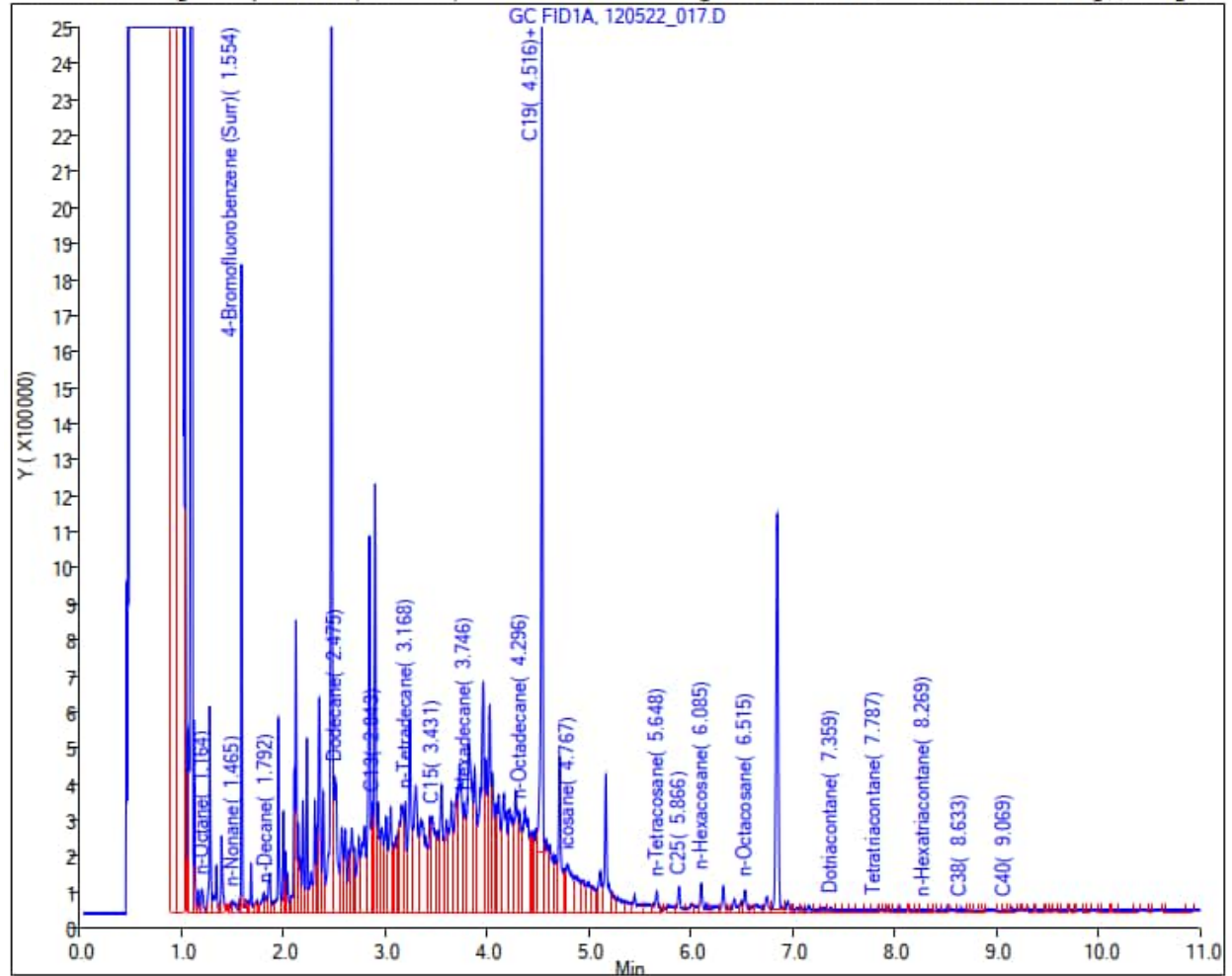
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) 370 J

TPH-o SGC (C24 to C40) <300 U

Report Date: 28-Dec-2022 14:20:01

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221227-86415.b\1227a22A013.D

Injection Date: 27-Dec-2022 21:06:29

Instrument ID: TAC129_R

Lims ID: 580-121310-N-1-B

Lab Sample ID: 580-121310-1

Client ID: RHMW02-WGN01B-2212WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 9

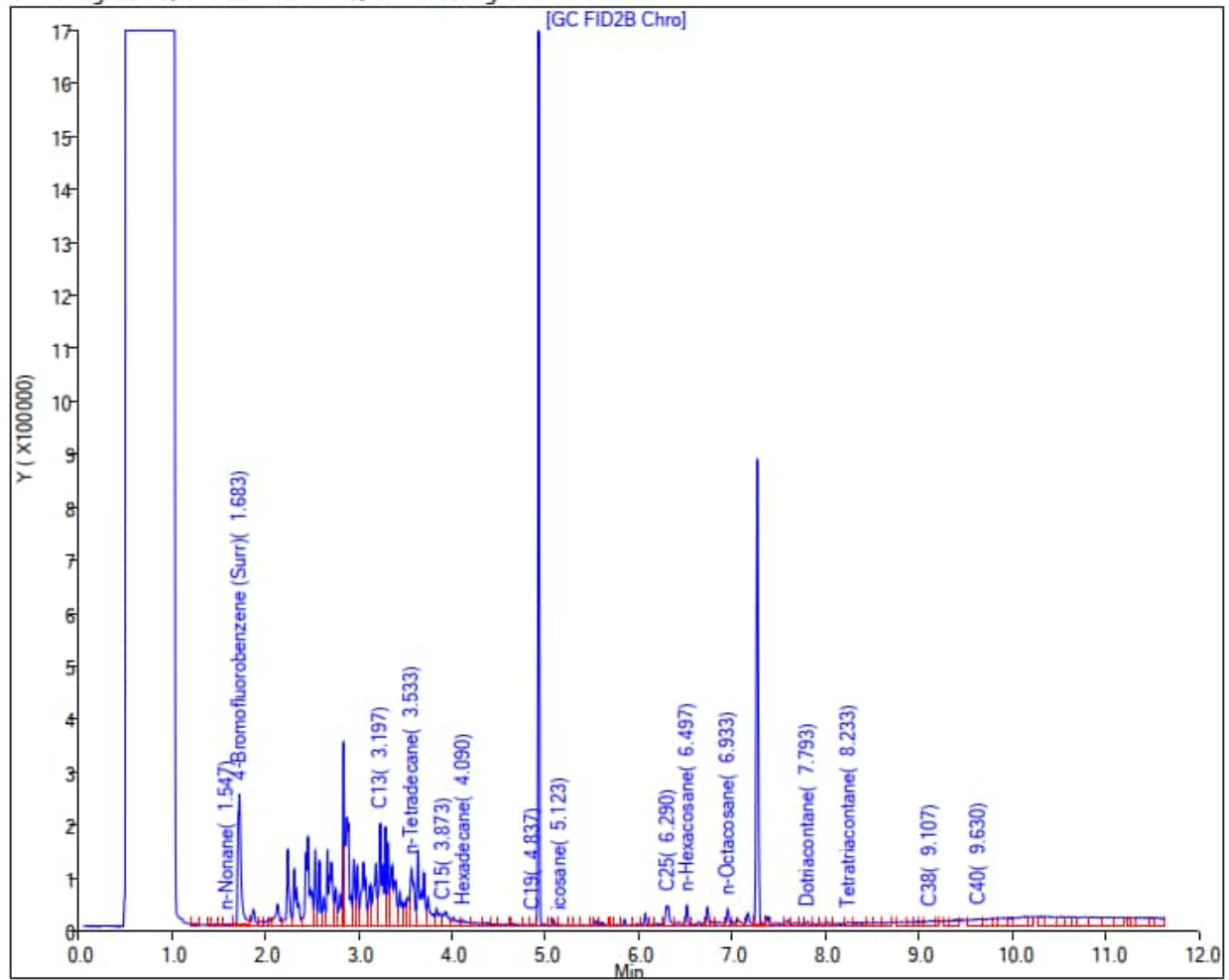
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2212WK3 Sample Date: 12/20/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1300

TPH-o (C24 to C40) 200 J

Report Date: 29-Dec-2022 14:32:31

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221228-86433.b\122822A015.D

Injection Date: 29-Dec-2022 00:30:02

Instrument ID: TAC129_R

Lims ID: 580-121497-O-3-A

Lab Sample ID: 580-121497-3

Client ID: RHMW02-WGN01B-2212WK3

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 8

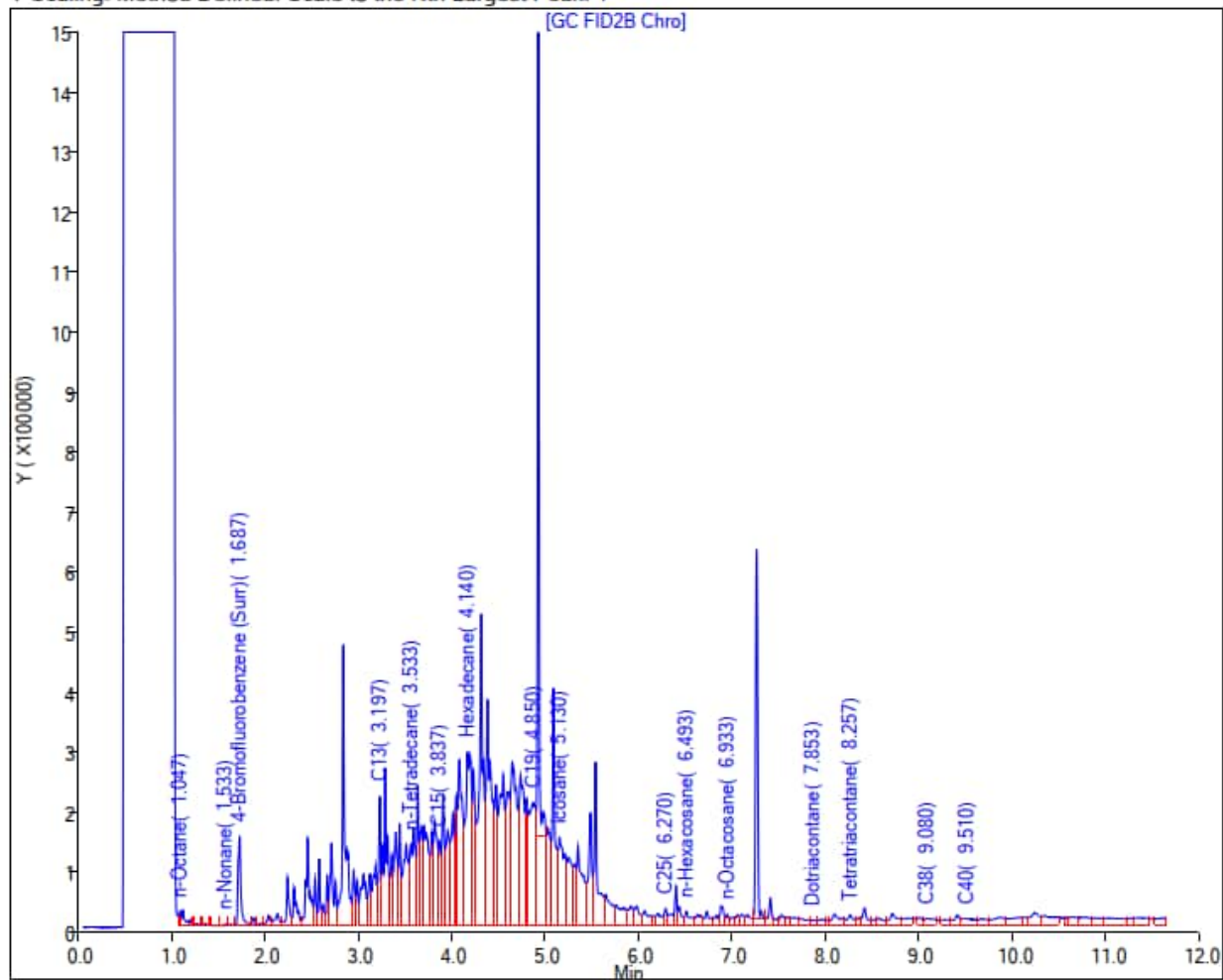
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 410

TPH-o SGC (C24 to C40) <300 U

Report Date: 14-Jan-2023 15:34:41

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230113-86667.b\0113a23A055.D

Injection Date: 14-Jan-2023 07:30:56

Instrument ID: TAC129_R

Lims ID: 580-121497-O-3-B

Lab Sample ID: 580-121497-3

Client ID: RHMW02-WGN01B-2212WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 69

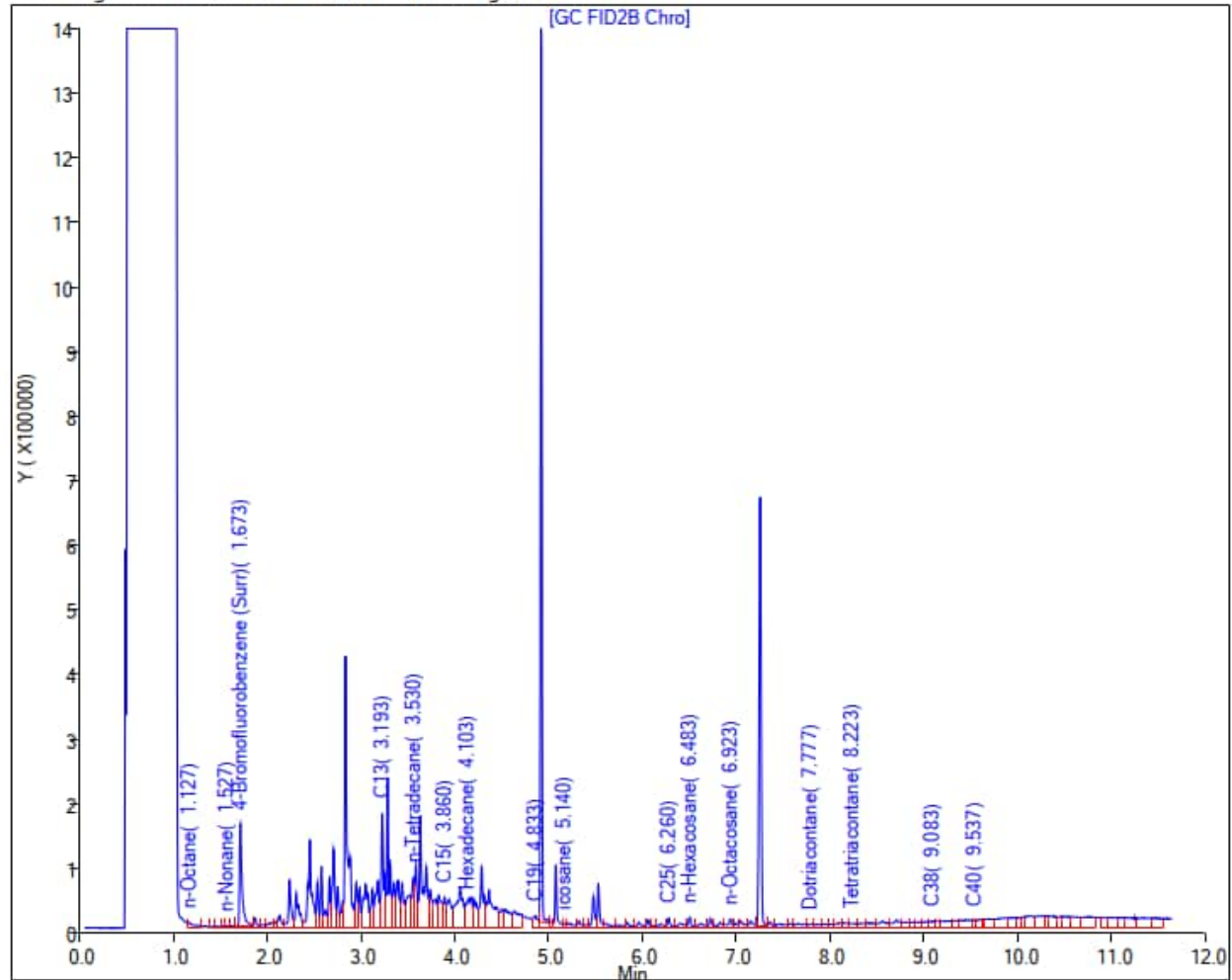
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2212WK4 Sample Date: 12/28/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1100

TPH-o (C24 to C40) 230 J

Report Date: 06-Jan-2023 14:13:00

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A041.D

Injection Date: 05-Jan-2023 21:31:15

Instrument ID: TAC129_R

Lims ID: 580-121703-F-13-A

Lab Sample ID: 580-121703-13

Client ID: RHMW02-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0

Worklist Smp#: 36

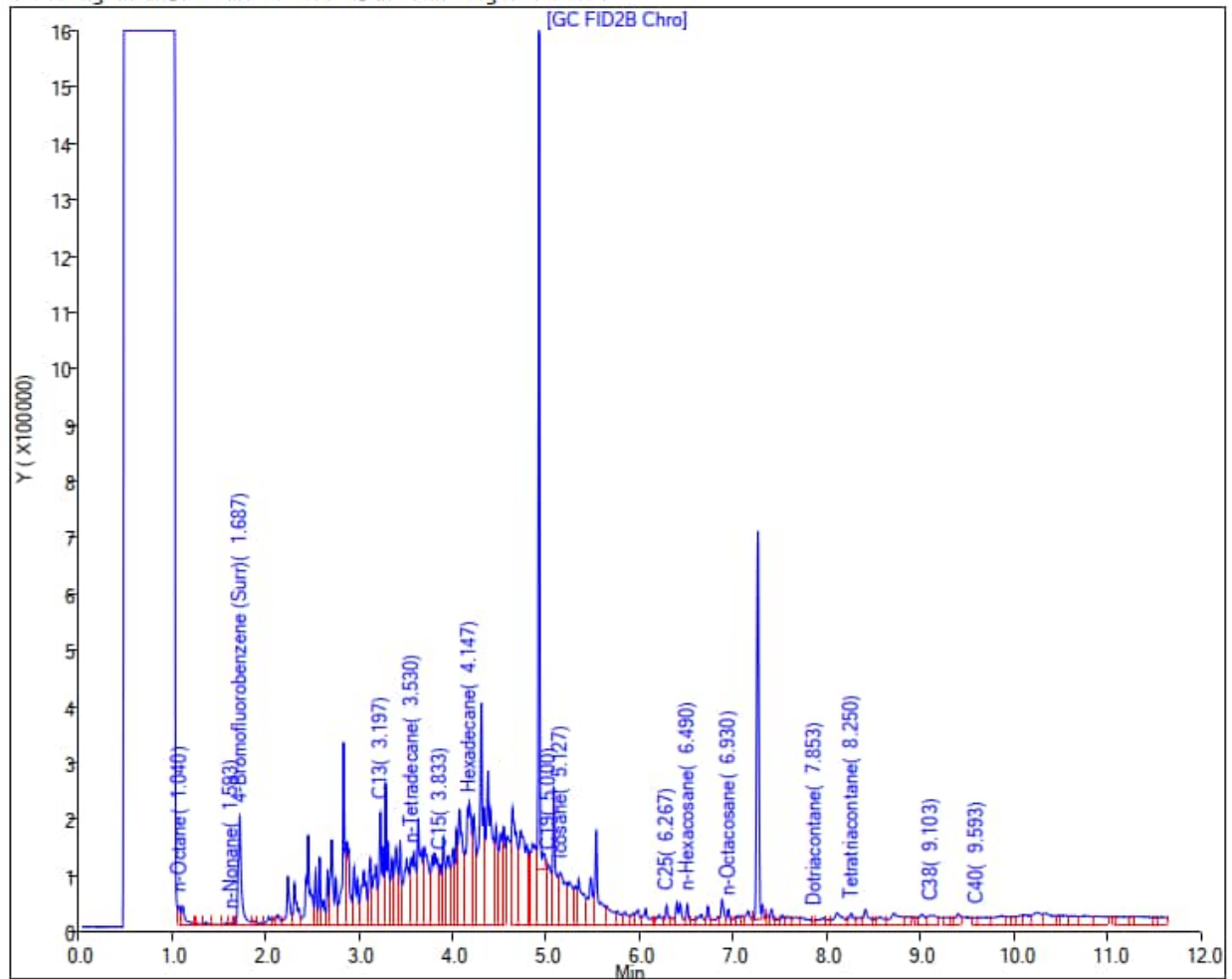
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 310

TPH-o SGC (C24 to C40) <310 U

Report Date: 17-Jan-2023 09:36:41

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230116-86679.b\011623A091.D

Injection Date: 17-Jan-2023 01:03:08

Instrument ID: TAC129_R

Lims ID: 580-121703-F-13-B

Lab Sample ID: 580-121703-13

Client ID: RHMW02-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 90

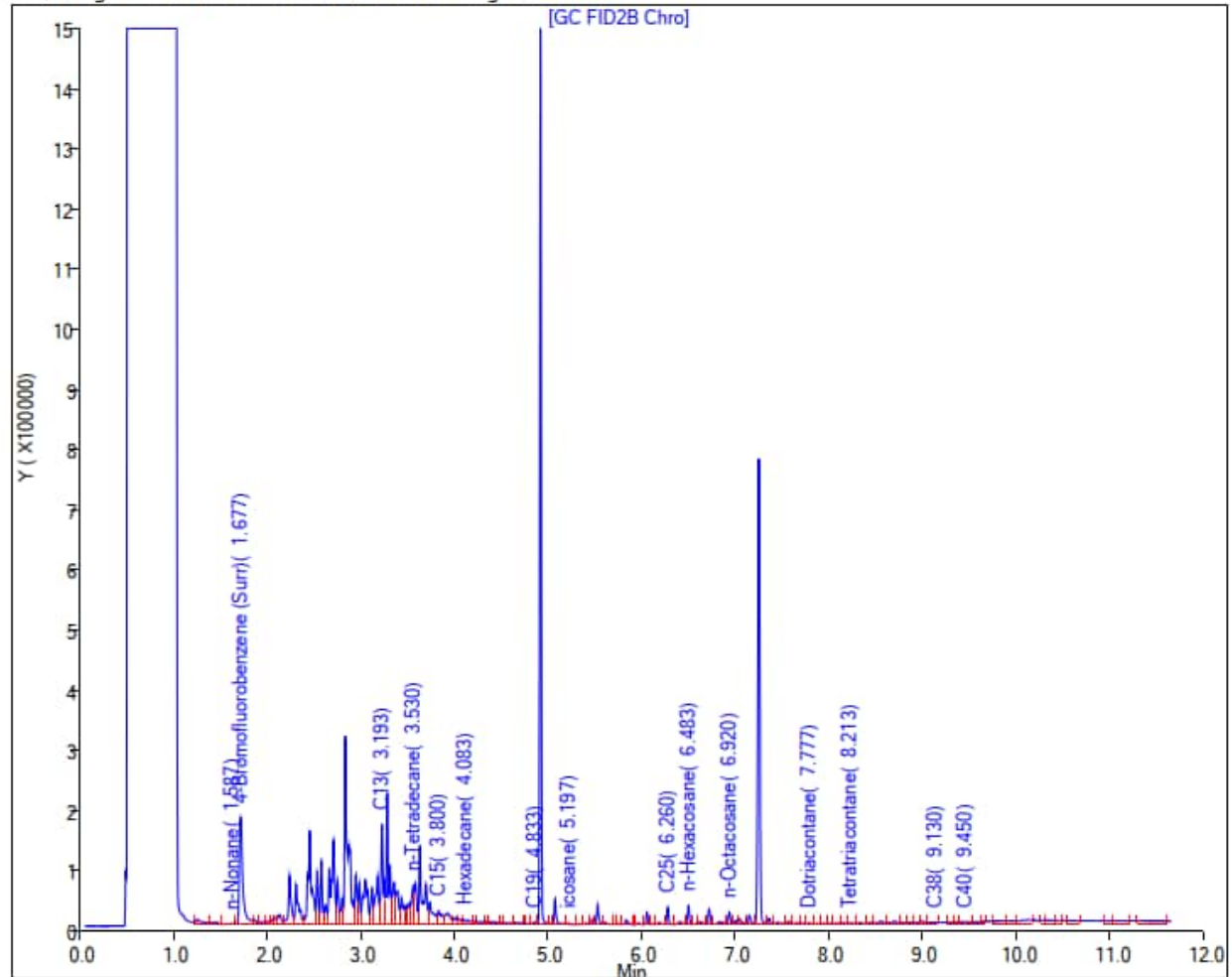
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2301WK1 Sample Date: 1/4/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1800

TPH-o (C24 to C40) 220 J

Report Date: 13-Jan-2023 14:27:41

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\0112aa23A007.D

Injection Date: 13-Jan-2023 09:26:42

Instrument ID: TAC129_R

Lims ID: 580-121868-N-13-A

Lab Sample ID: 580-121868-13

Client ID: RHMW02-WGN01B-2301WK1

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

44

Injection Vol: 1.0 ul

Dil. Factor:

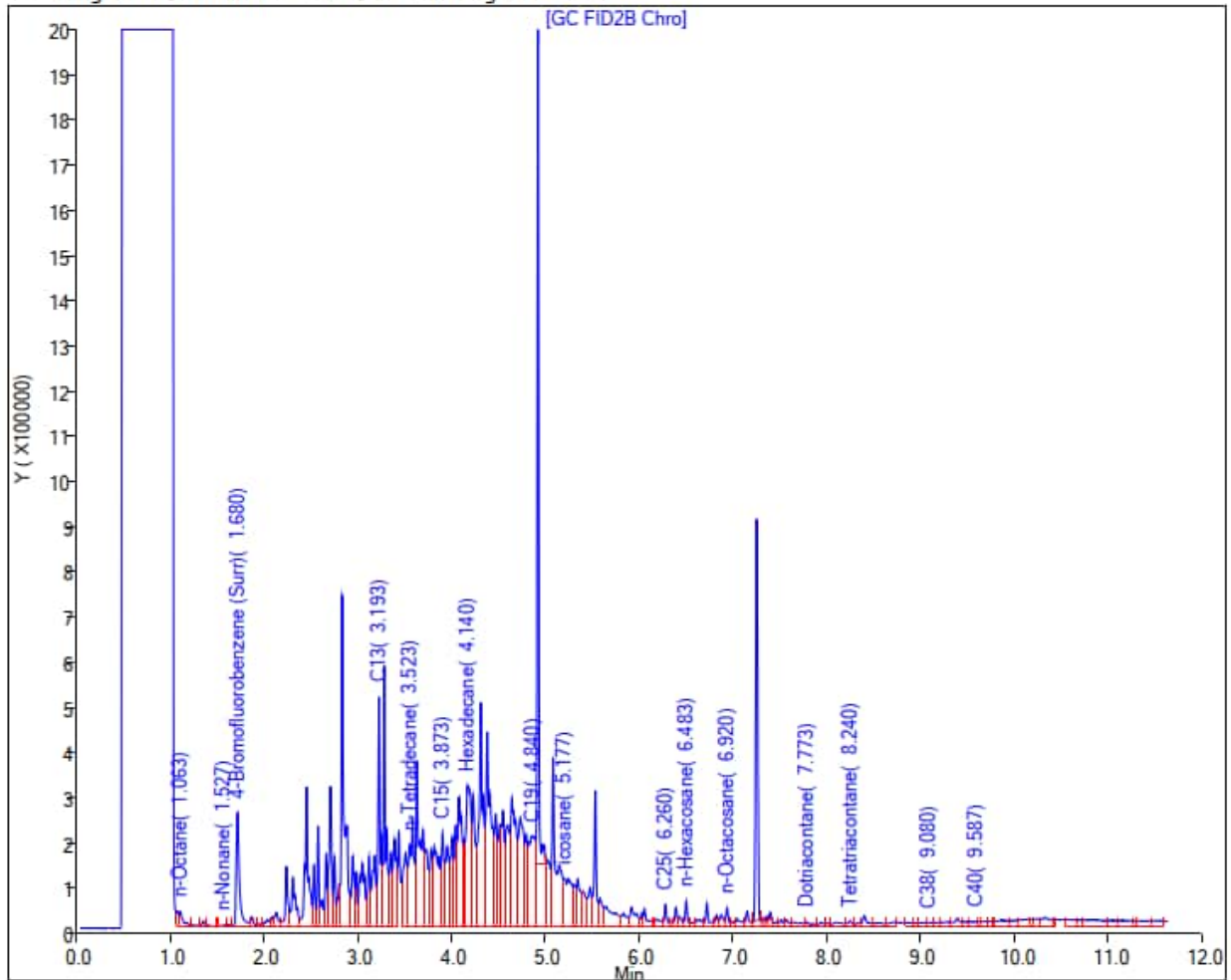
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 470

TPH-o SGC (C24 to C40) <310 U

Report Date: 14-Jan-2023 15:34:26

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230113-86667.b\0113a23A045.D

Injection Date: 14-Jan-2023 05:57:52

Instrument ID: TAC129_R

Lims ID: 580-121868-N-13-B

Lab Sample ID: 580-121868-13

Client ID: RHMW02-WGN01B-2301WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 64

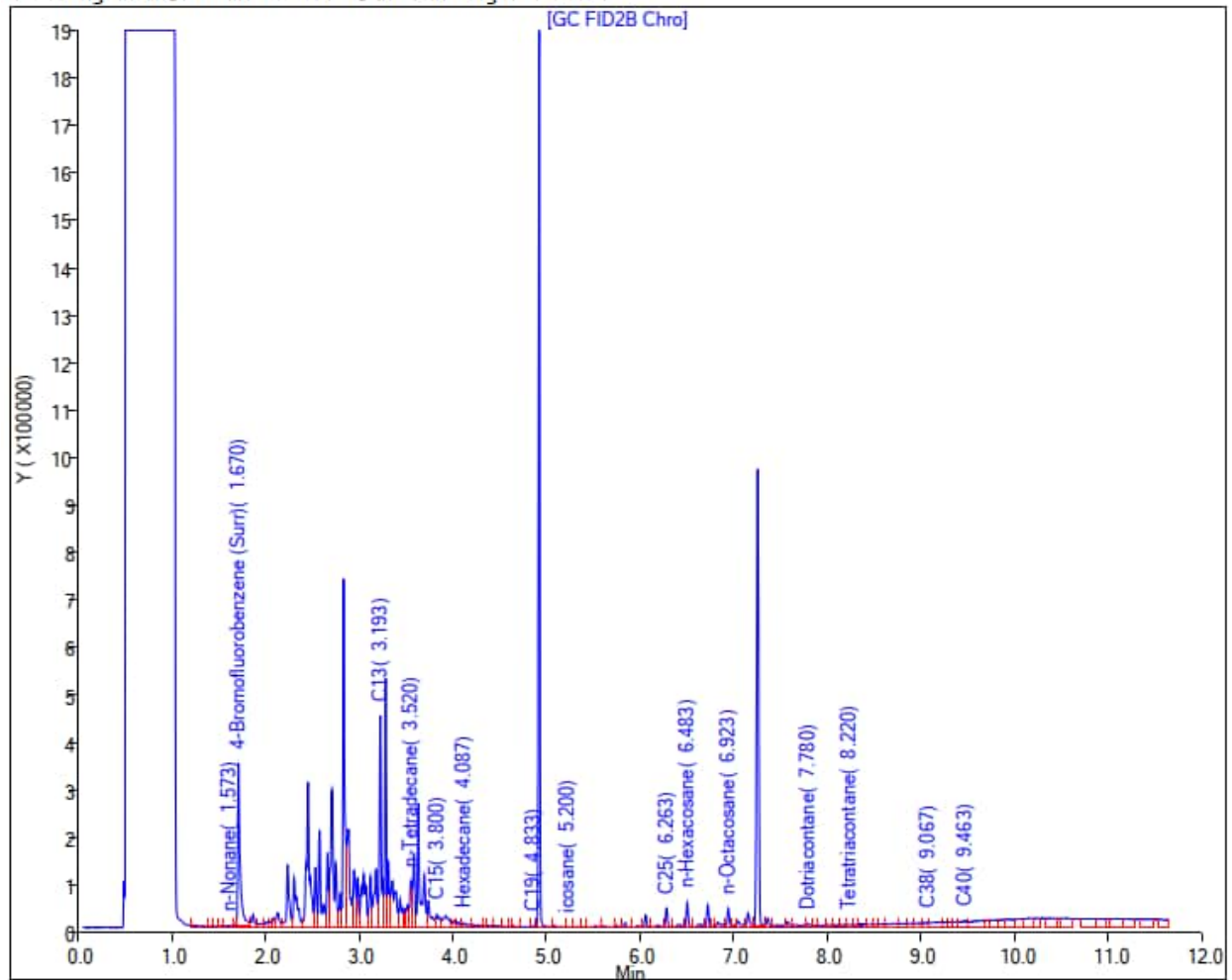
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2301WK2 Sample Date: 1/10/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1700

TPH-o (C24 to C40) 190 J

Report Date: 18-Jan-2023 09:33:25

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A035.D

Injection Date: 18-Jan-2023 02:45:06

Instrument ID: TAC129_R

Lims ID: 580-122061-O-7-A

Lab Sample ID: 580-122061-7

Client ID: RHMW02-WGN01B-2301WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 47

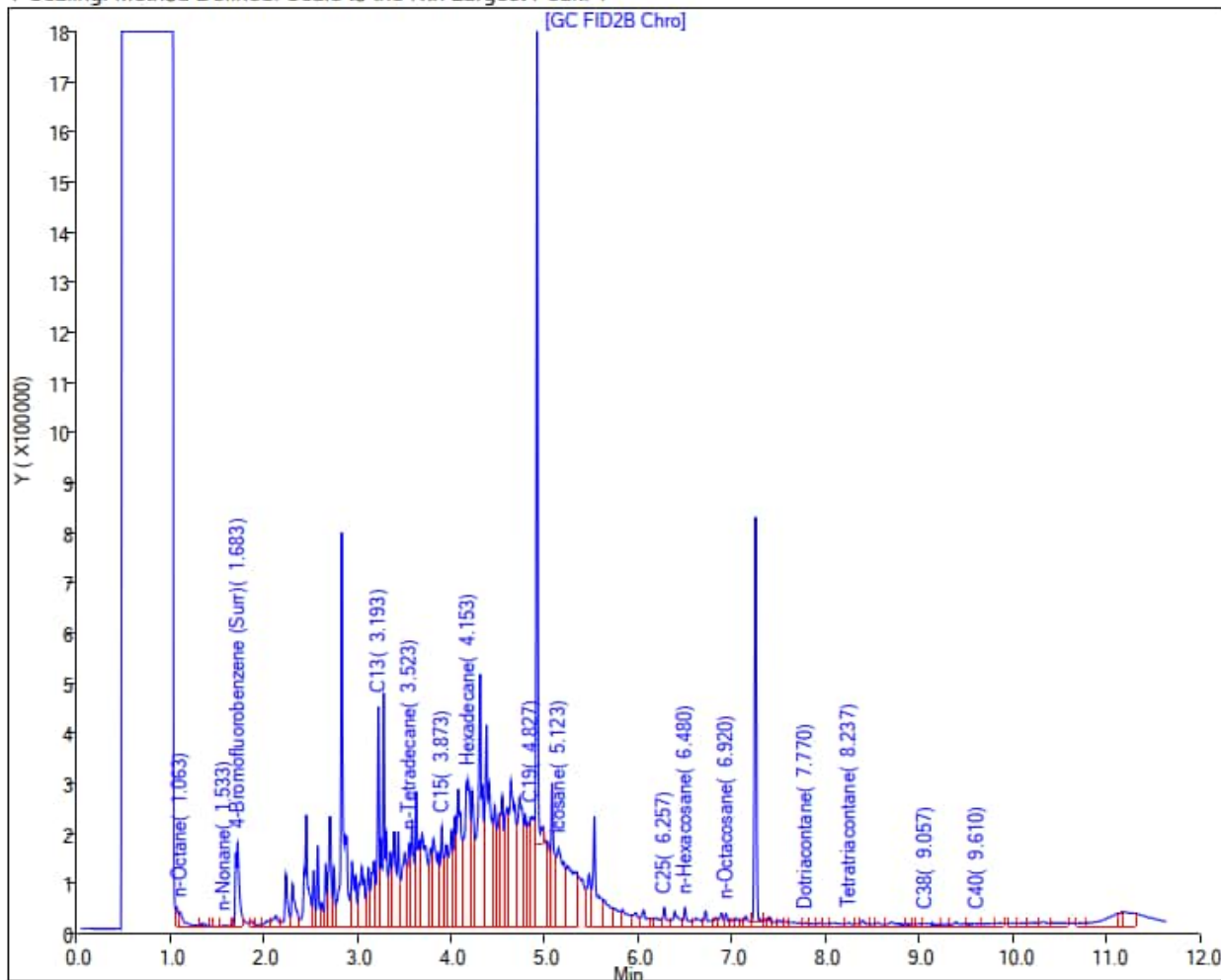
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 480

TPH-o SGC (C24 to C40) <300 U

Report Date: 20-Jan-2023 11:08:14

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230119-86748.b\011923A047.D

Injection Date: 19-Jan-2023 18:24:18

Instrument ID: TAC129_R

Lims ID: 580-122061-O-7-B

Lab Sample ID: 580-122061-7

Client ID: RHMW02-WGN01B-2301WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 24

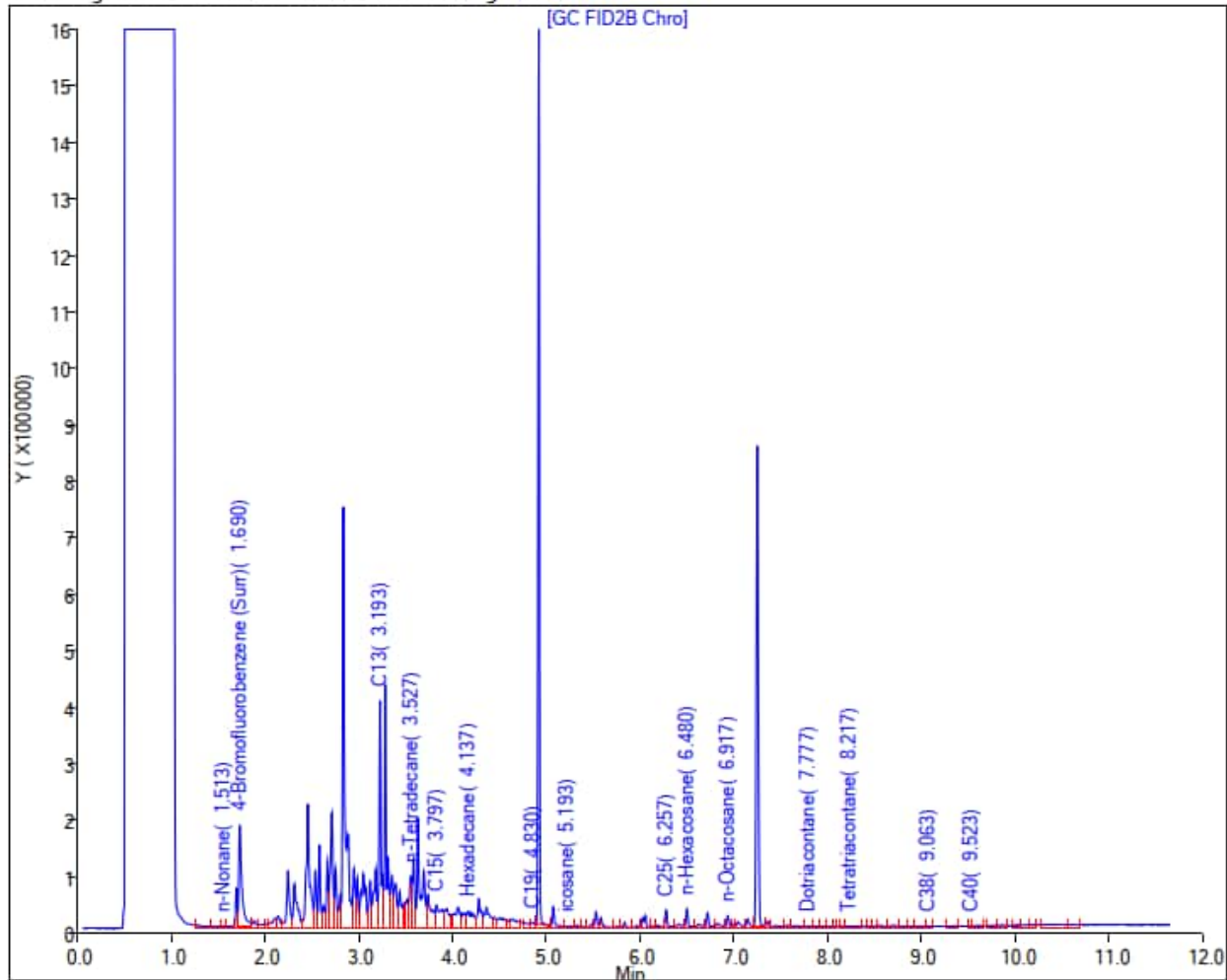
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

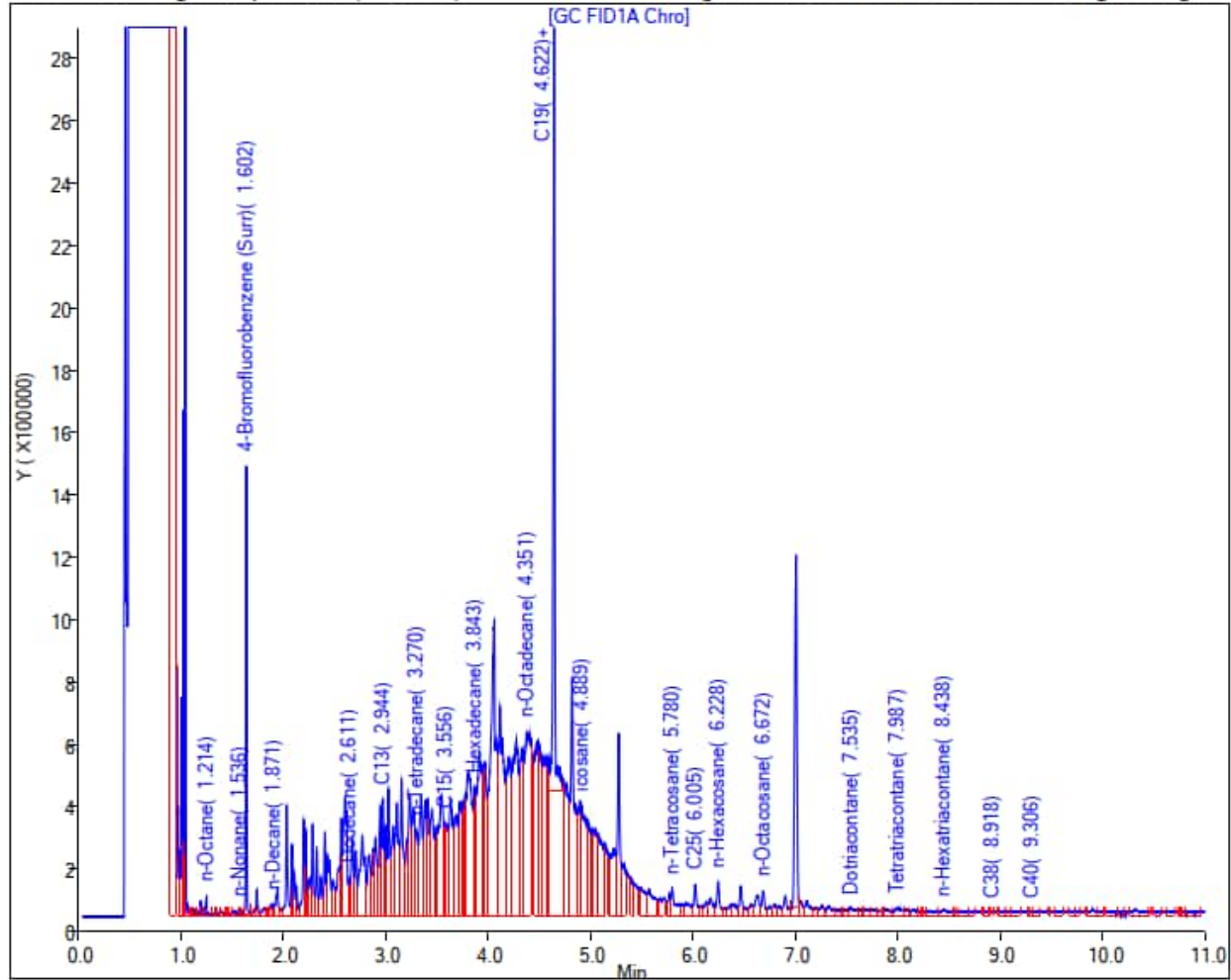
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2301WK3 Sample Date: 1/17/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 2100 TPH-o (C24 to C40) 210 J

Report Date: 26-Jan-2023 12:15:27 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230125-86809.b\0125b23_055.D
Injection Date: 26-Jan-2023 09:43:12 Instrument ID: TAC020
Lims ID: 580-122420-N-9-A Lab Sample ID: 580-122420-9
Client ID: RHMW02-WGN01B-2301WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 128
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) 380

TPH-o SGC (C24 to C40) <310 U

Report Date: 03-Feb-2023 08:36:35

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230202-86914.b\020223A009.D

Injection Date: 02-Feb-2023 10:59:33

Instrument ID: TAC129_R

Lims ID: 580-122420-N-9-B

Lab Sample ID: 580-122420-9

Client ID: RHMW02-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 5

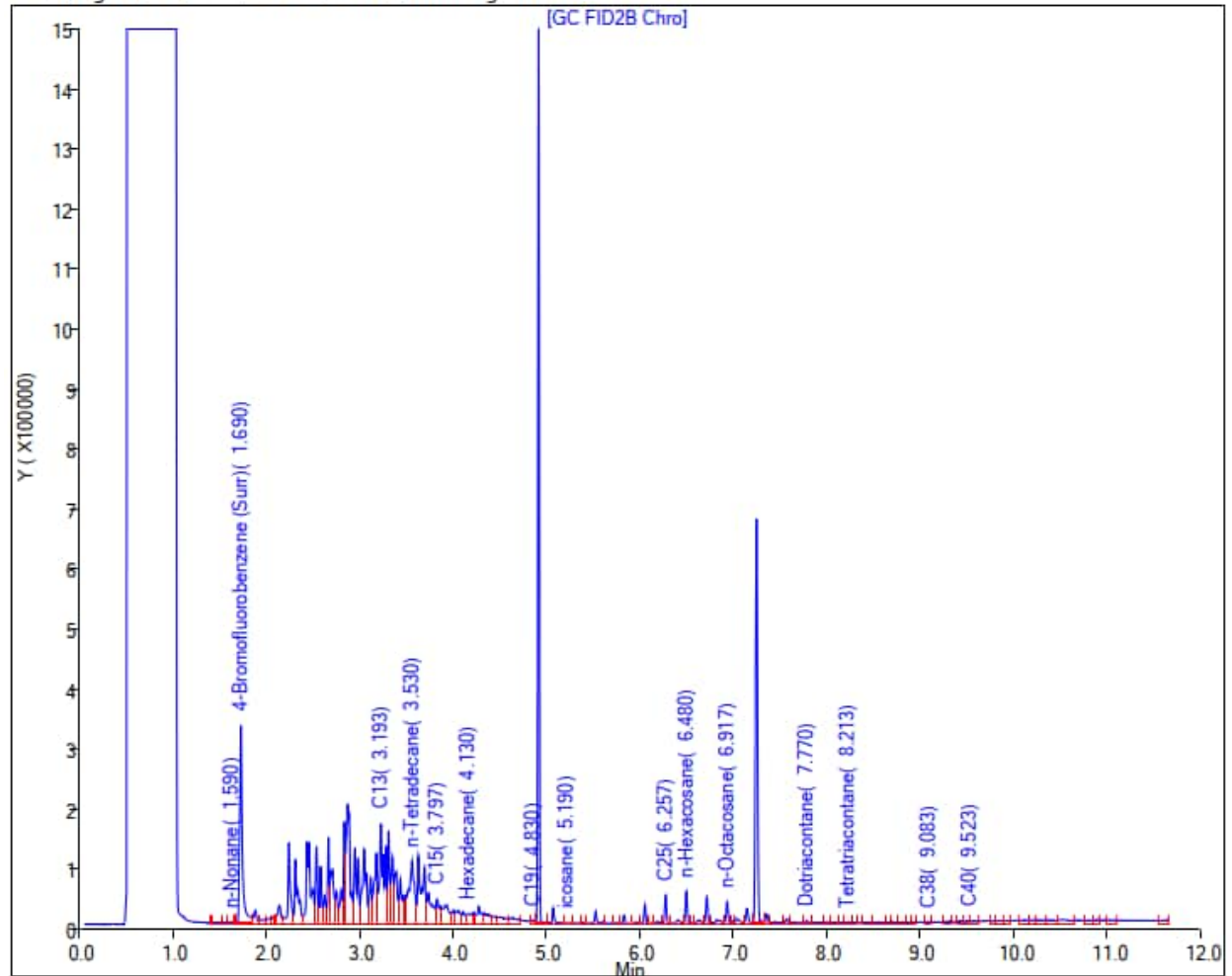
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 430 J-

TPH-o SGC (C24 to C40) <310 UJ

Report Date: 08-Feb-2023 09:25:08

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230207-86982_b\0207a23A089.D

Injection Date: 08-Feb-2023 00:14:47

Instrument ID: TAC129_R

Lims ID: 580-122714-E-3-B

Lab Sample ID: 580-122714-3

Client ID: RHMW02-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 51

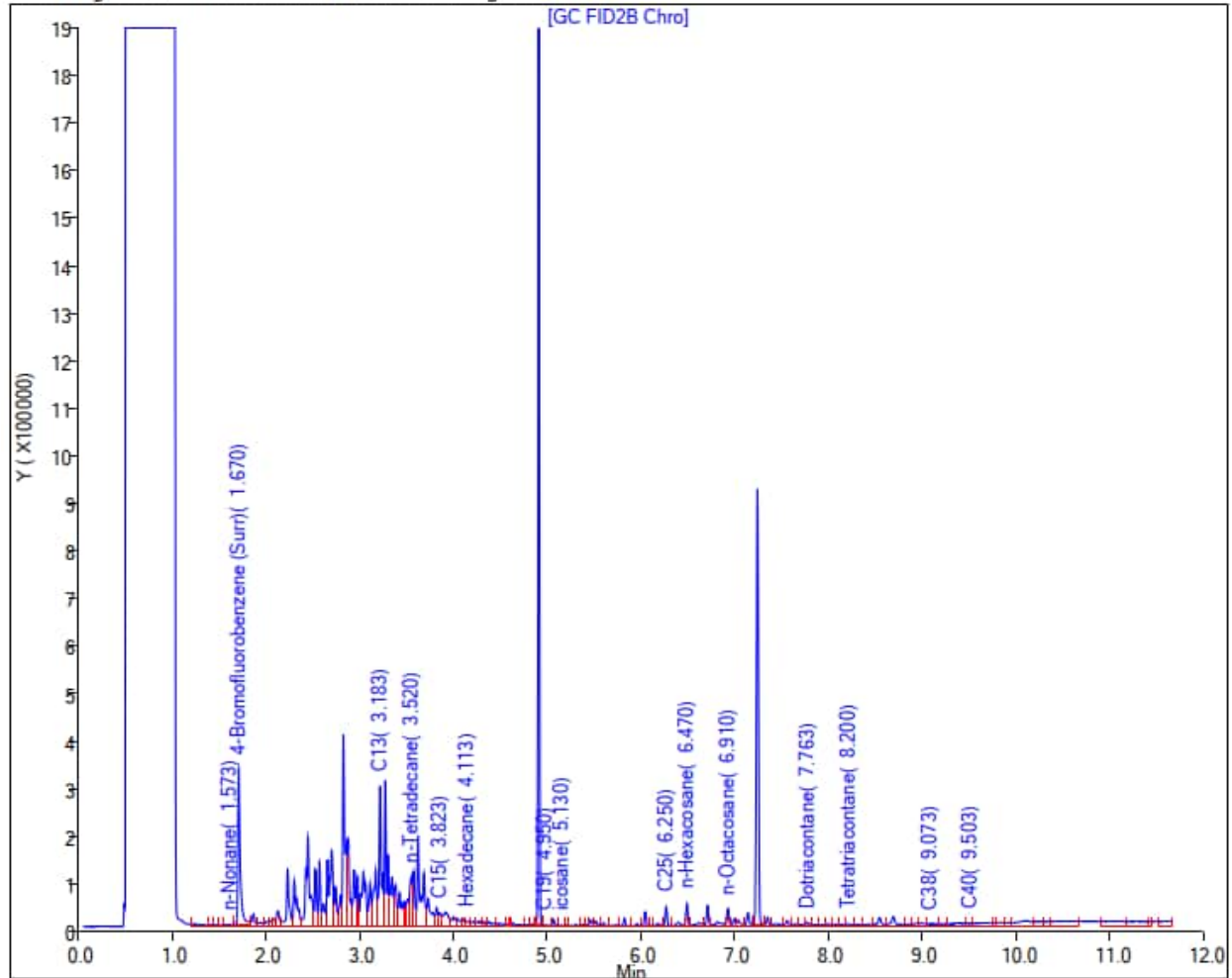
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2211WK1

Sample Date: 11/8/2022

Results (ug/L): TPH-d (C10 to C24) 220

TPH-o (C24 to C40) 450

Report Date: 15-Nov-2022 19:16:01

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85802.b\1114aa22A033.D

Injection Date: 15-Nov-2022 03:38:22

Instrument ID: TAC129_R

Lims ID: 580-119865-N-16-A

Lab Sample ID: 580-119865-16

Client ID: RHMW03-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#:

0

Worklist Smp#:

17

Injection Vol: 1.0 ul

Dil. Factor:

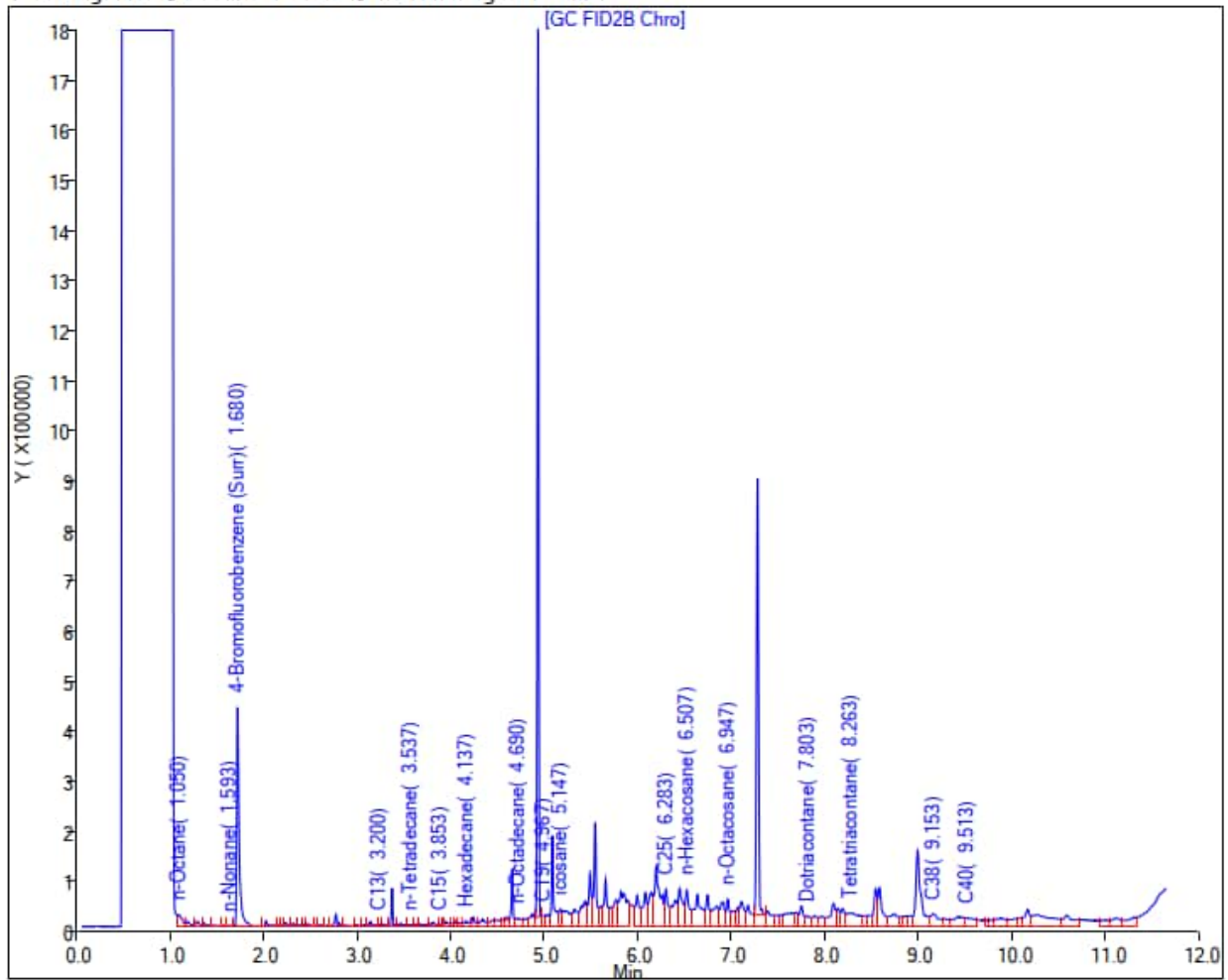
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 86 J

TPH-o SGC (C24 to C40) <310 U

Report Date: 16-Nov-2022 11:22:53

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221115-85803.b\1115ab22_011.D

Injection Date: 16-Nov-2022 00:47:30

Instrument ID: TAC020

Lims ID: 580-119865-N-16-C

Lab Sample ID: 580-119865-16

Client ID: RHMW03-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 10 Worklist Smp#: 27

Injection Vol: 1.0 ul

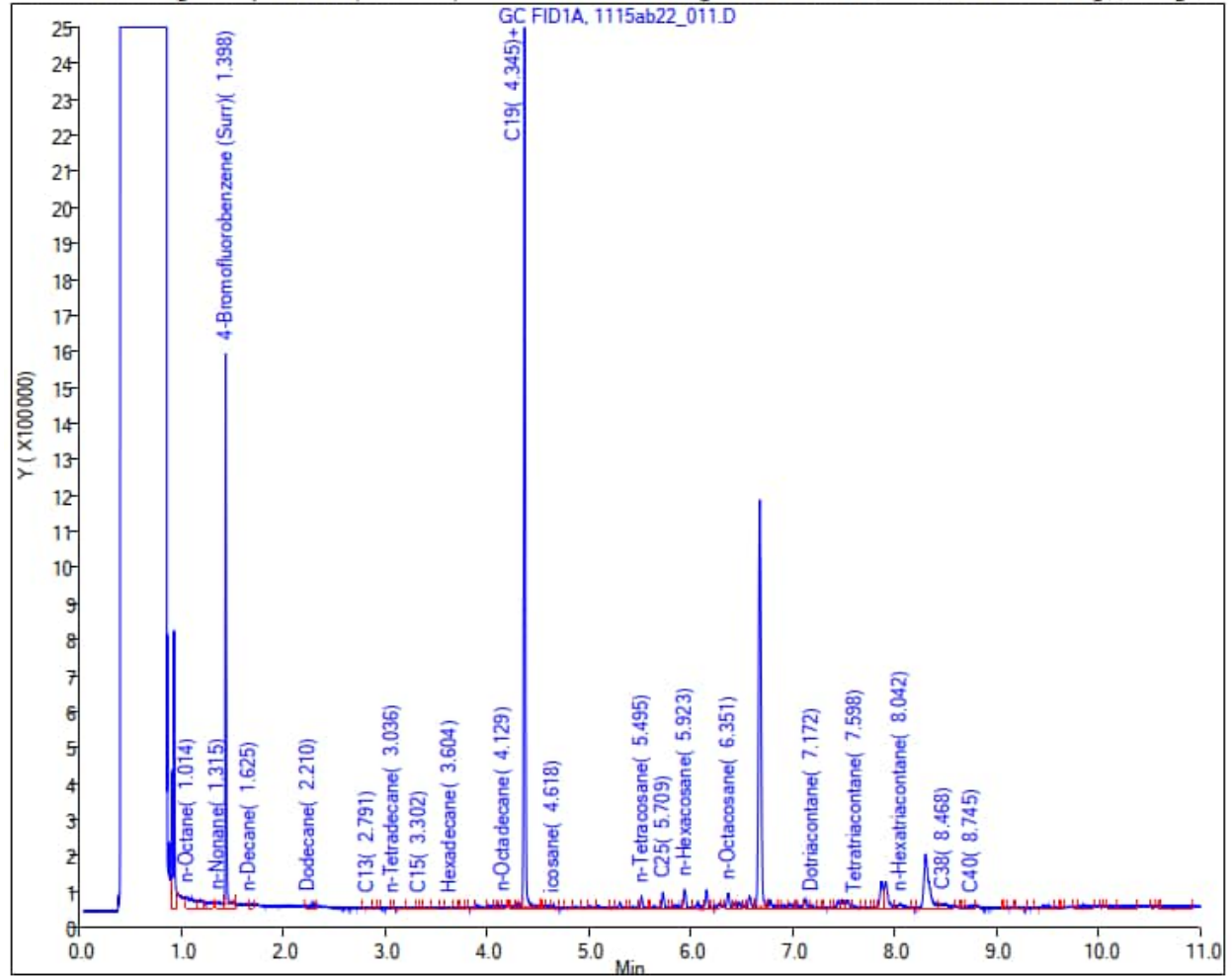
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN02B-2211WK1

Sample Date: 11/10/2022

Results (ug/L): TPH-d (C10 to C24) 160

TPH-o (C24 to C40) 260 J

Report Date: 17-Nov-2022 11:55:01

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A037.D

Injection Date: 17-Nov-2022 03:39:42

Instrument ID: TAC129_R

Lims ID: 580-119993-O-3-A

Lab Sample ID: 580-119993-3

Client ID: RHMW03-WGN02B-2211WK1

Operator ID: DH

ALS Bottle#:

0

Worklist Smp#:

48

Injection Vol: 1.0 ul

Dil. Factor:

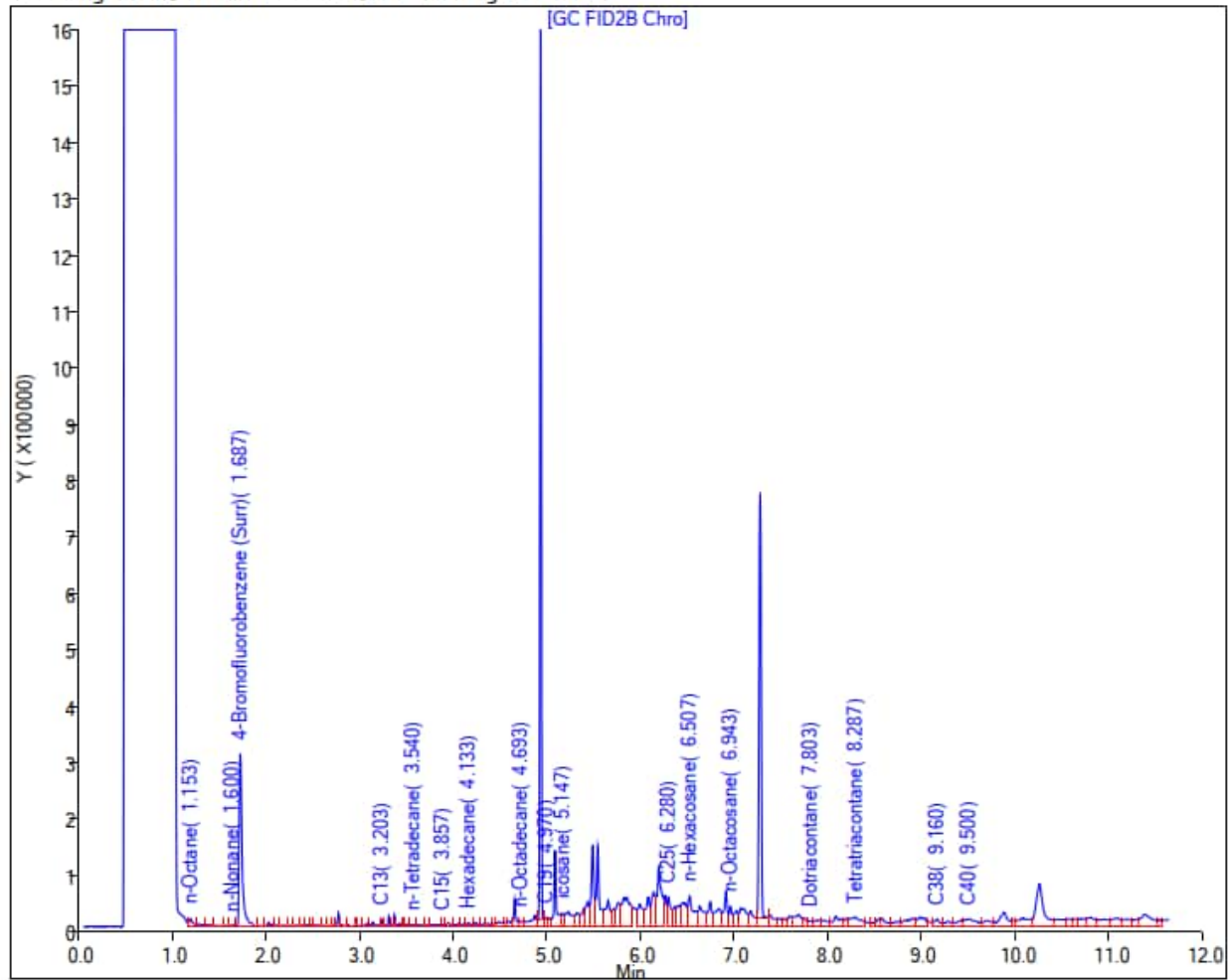
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 67 J

TPH-o SGC (C24 to C40) <310 U

Report Date: 18-Nov-2022 11:58:20

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_008.D

Injection Date: 17-Nov-2022 21:58:30

Instrument ID: TAC020

Lims ID: 580-119993-O-3-B

Lab Sample ID: 580-119993-3

Client ID: RHMW03-WGN02B-2211WK1

Operator ID: DH/CC

ALS Bottle#: 7 Worklist Smp#: 10

Injection Vol: 1.0 ul

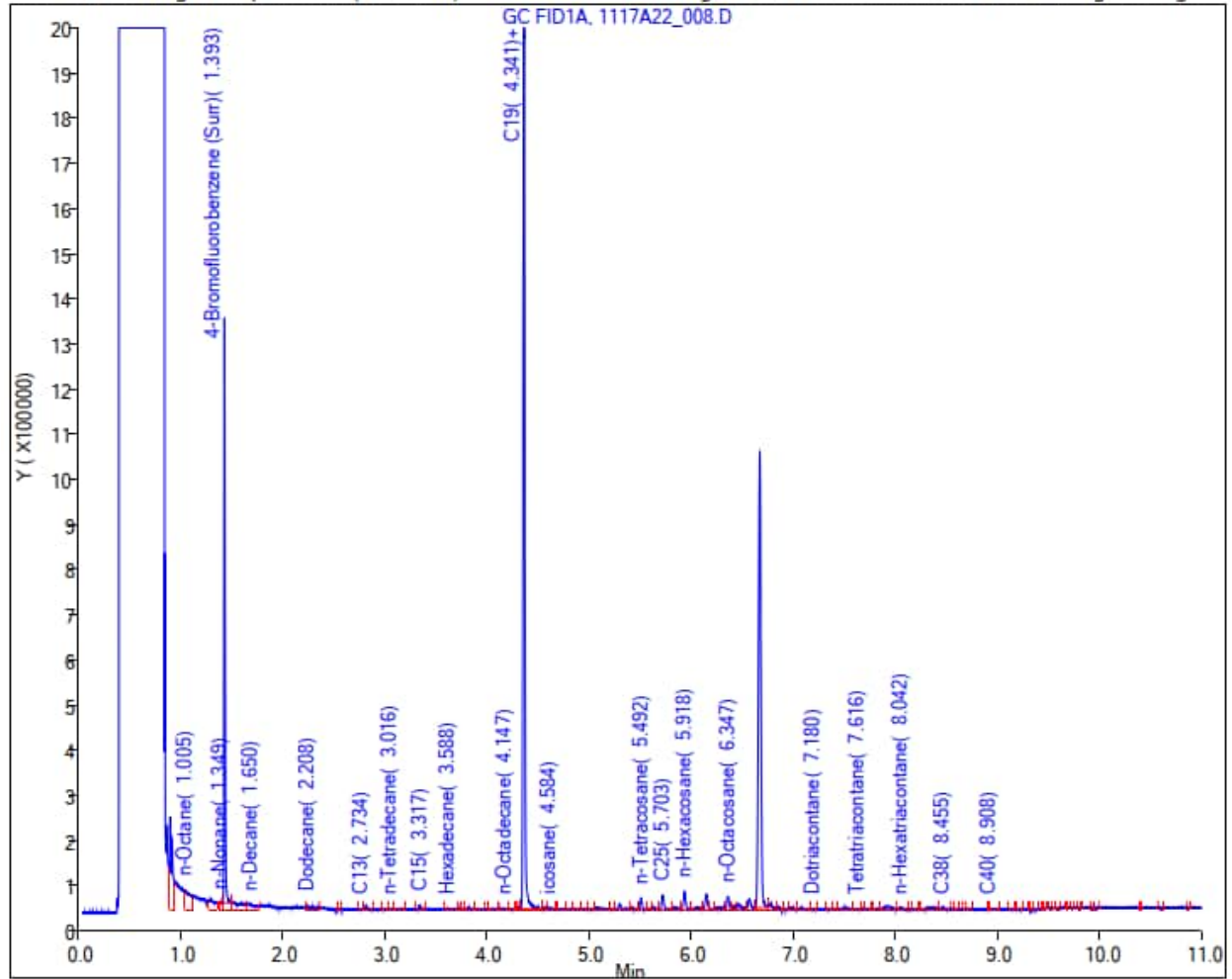
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2211WK2

Sample Date: 11/15/2022

Results (ug/L): TPH-d (C10 to C24) 280

TPH-o (C24 to C40) 190 J

Report Date: 22-Nov-2022 14:59:34

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_018.D

Injection Date: 21-Nov-2022 23:22:30

Instrument ID: TAC020

Lims ID: 580-120153-N-3-A

Lab Sample ID: 580-120153-3

Client ID: RHMW03-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#: 17 Worklist Smp#: 17

Injection Vol: 1.0 ul

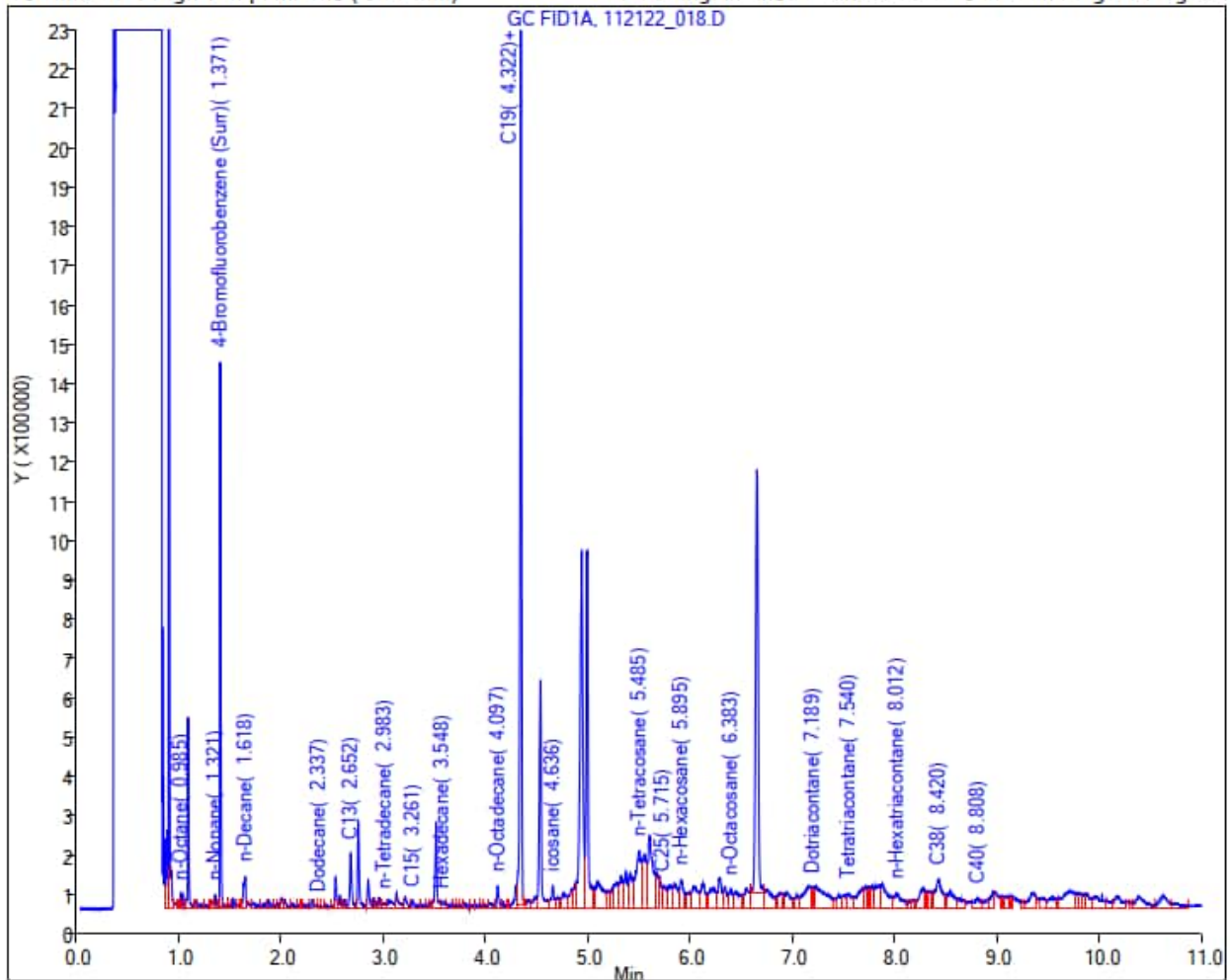
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 23-Nov-2022 12:59:45

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221122-85928.b\1122ab22A035.D

Injection Date: 22-Nov-2022 21:59:53

Instrument ID: TAC129_R

Lims ID: 580-120153-N-3-C

Lab Sample ID: 580-120153-3

Client ID: RHMW03-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 28

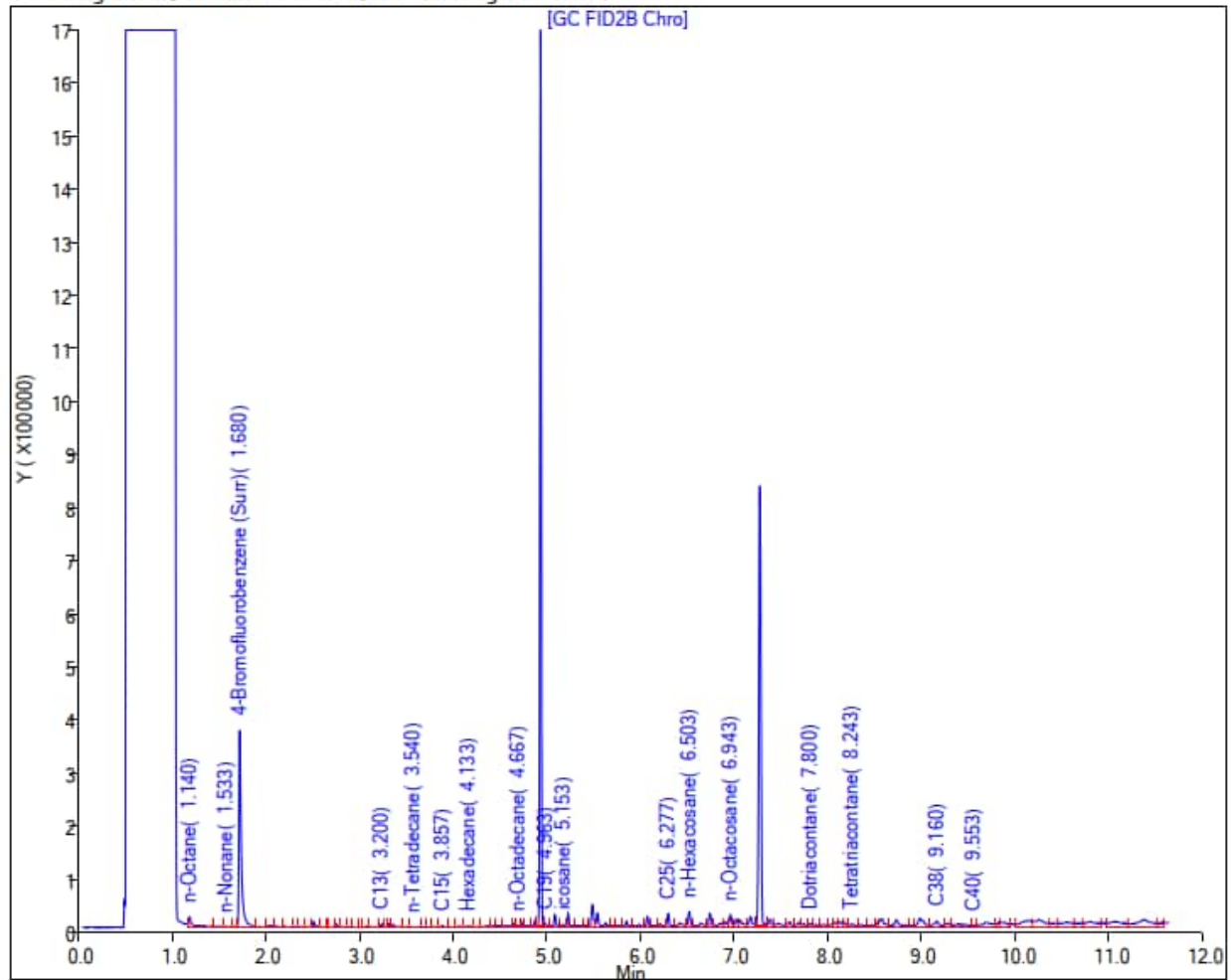
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN02B-2211WK2

Sample Date: 11/17/2022

Results (ug/L): TPH-d (C10 to C24) 500

TPH-o (C24 to C40) 680

Report Date: 23-Nov-2022 12:55:34

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221122-85931.b\1122ab22A074.D

Injection Date: 23-Nov-2022 03:52:24

Instrument ID: TAC129

Lims ID: 580-120199-O-19-A

Lab Sample ID: 580-120199-19

Client ID: RHMW03-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 62

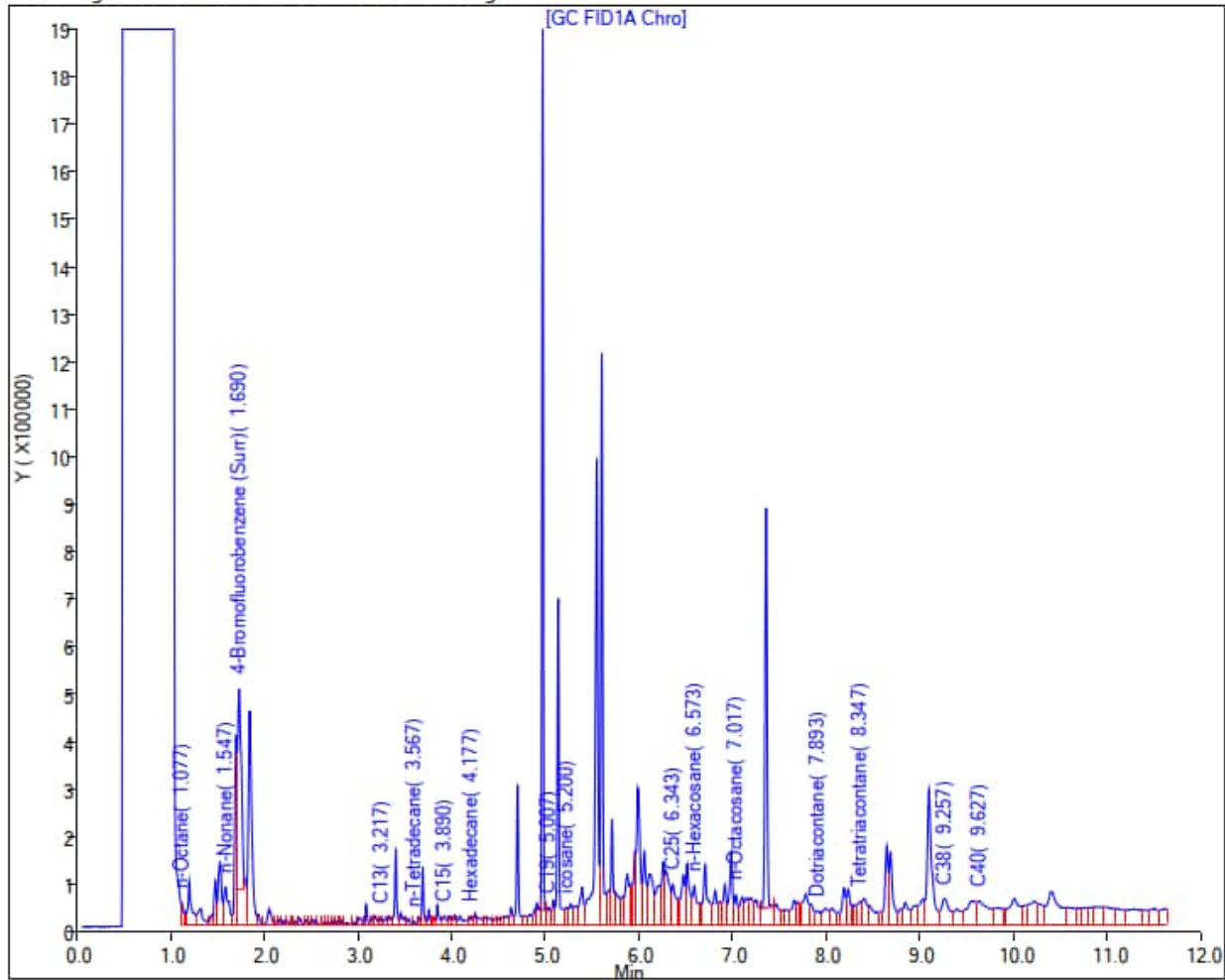
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 100 J

TPH-o SGC (C24 to C40) 210 J

Report Date: 30-Nov-2022 14:22:18

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221129-86014.b\112922_017.D

Injection Date: 30-Nov-2022 00:04:30

Instrument ID: TAC020

Lims ID: 580-120199-O-19-B

Lab Sample ID: 580-120199-19

Client ID: RHMW03-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

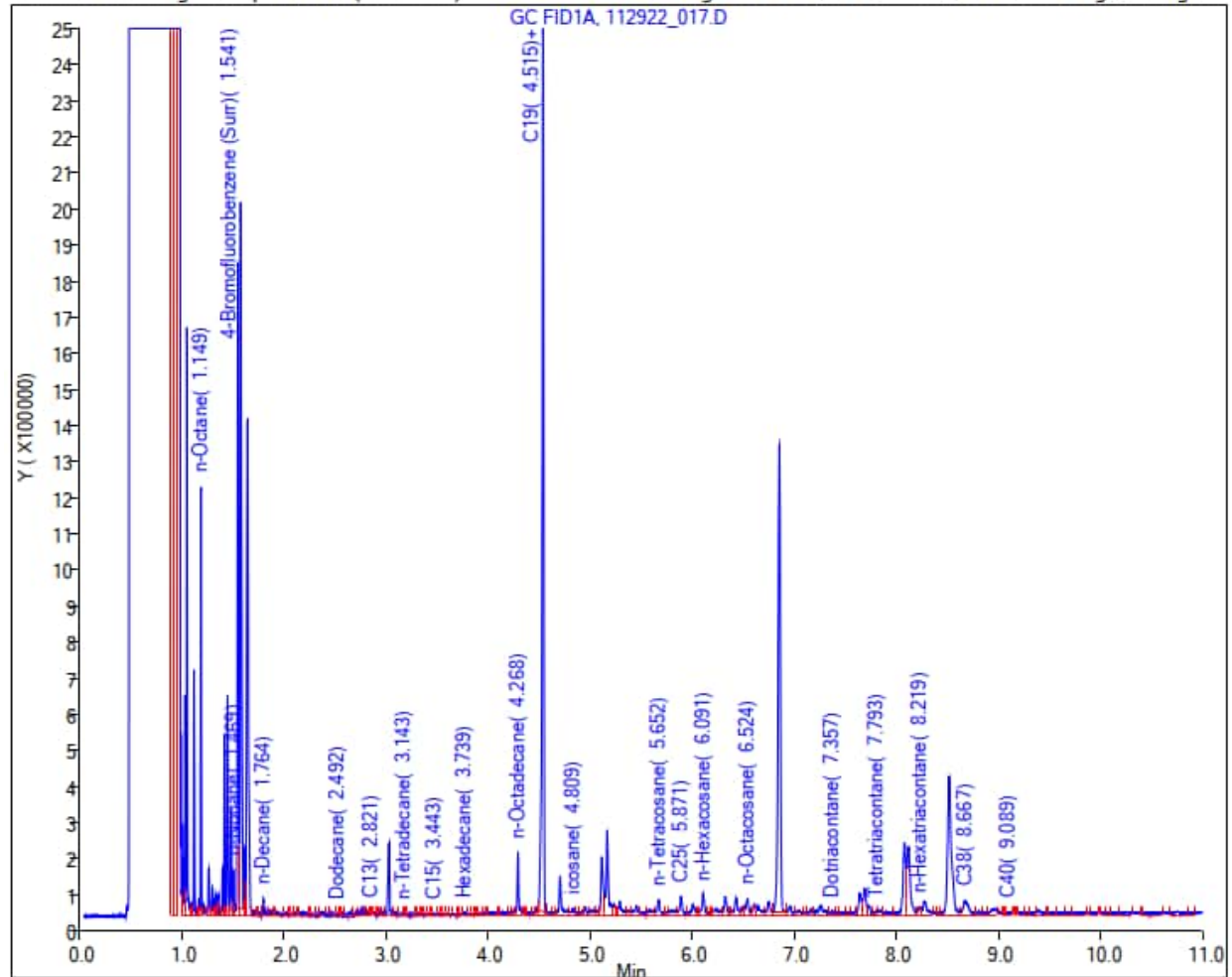
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2211WK3

Sample Date: 11/20/2022

Results (ug/L): TPH-d (C10 to C24) 140

TPH-o (C24 to C40) 210 J

Report Date: 29-Nov-2022 13:05:17

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221128-85982.b\1128AA22A024.D

Injection Date: 28-Nov-2022 19:36:18

Instrument ID: TAC129

Lims ID: 580-120304-N-16-A

Lab Sample ID: 580-120304-16

Client ID: RHMW03-WGN01B-2211WK3

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 12

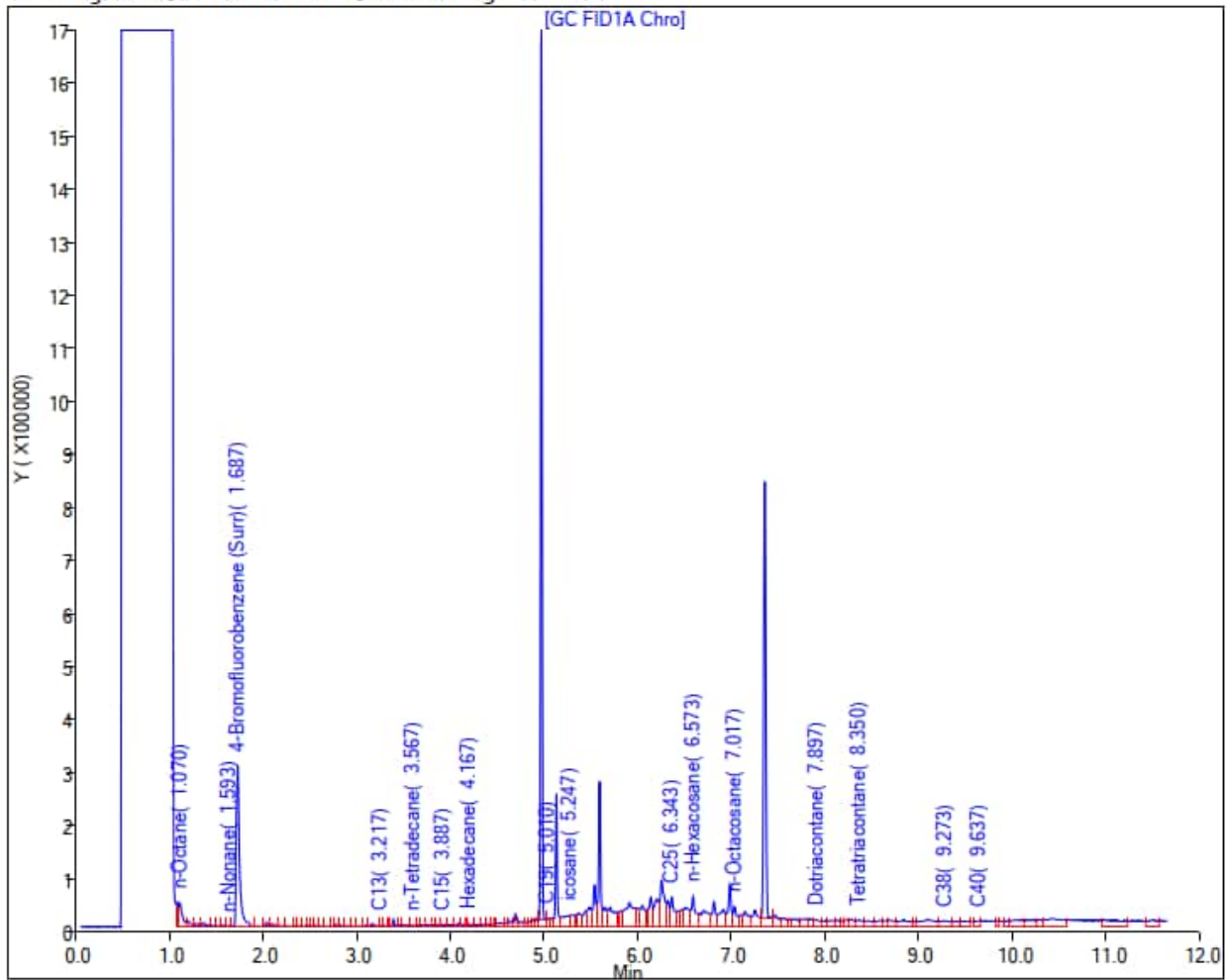
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 02-Dec-2022 14:13:53

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221201-86051.b\120122_012.D

Injection Date: 01-Dec-2022 19:58:30

Instrument ID: TAC020

Lims ID: 580-120304-N-16-C

Lab Sample ID: 580-120304-16

Client ID: RHMW03-WGN01B-2211WK3

Operator ID: DH

ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul

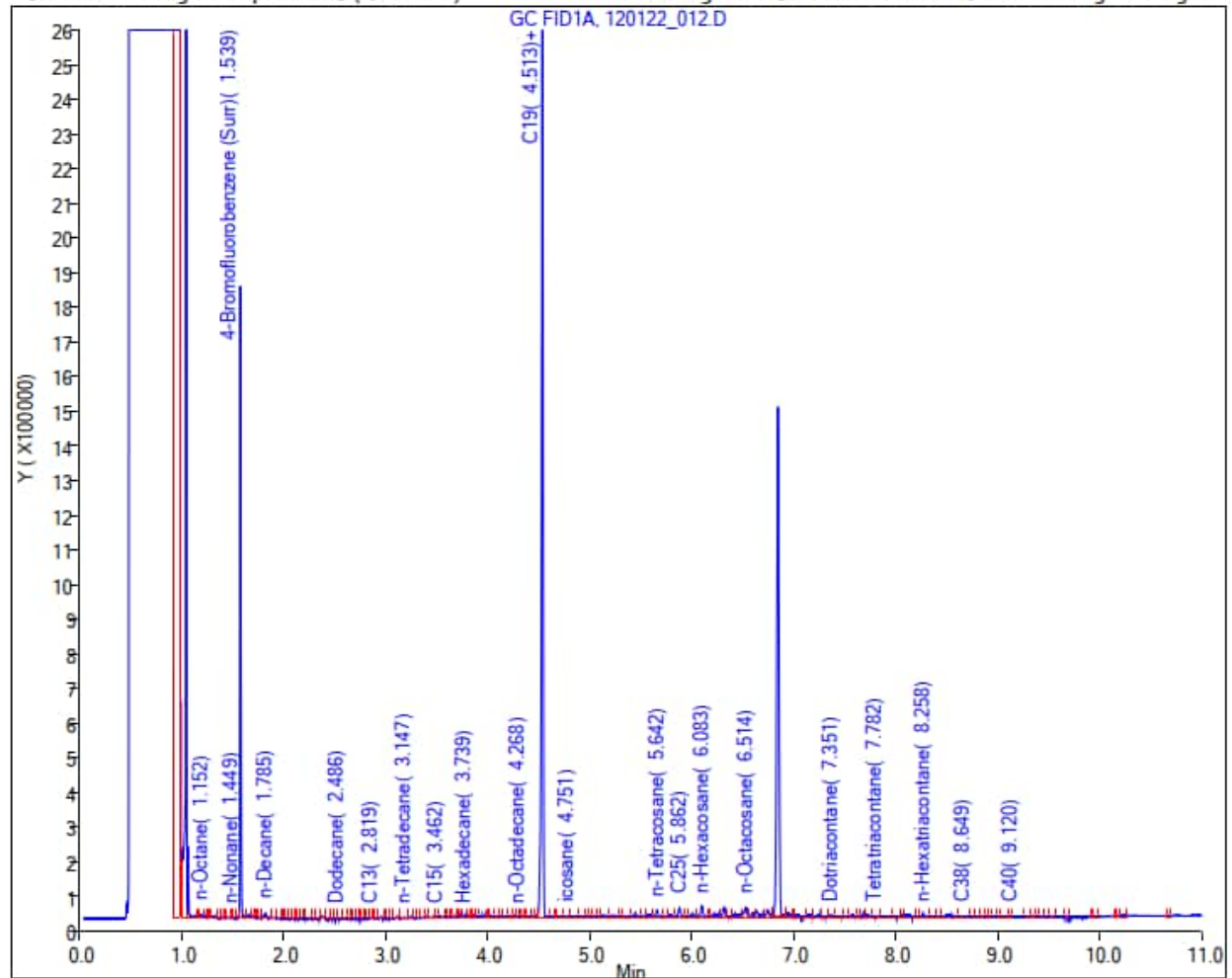
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2211WK4

Sample Date: 11/29/2022

Results (ug/L): TPH-d (C10 to C24) 250

TPH-o (C24 to C40) 450

Report Date: 05-Dec-2022 14:24:41

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A017.D

Injection Date: 03-Dec-2022 20:34:56

Instrument ID: TAC129_R

Lims ID: 580-120540-N-3-A

Lab Sample ID: 580-120540-3

Client ID: RHMW03-WGN01B-2211WK4

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 9

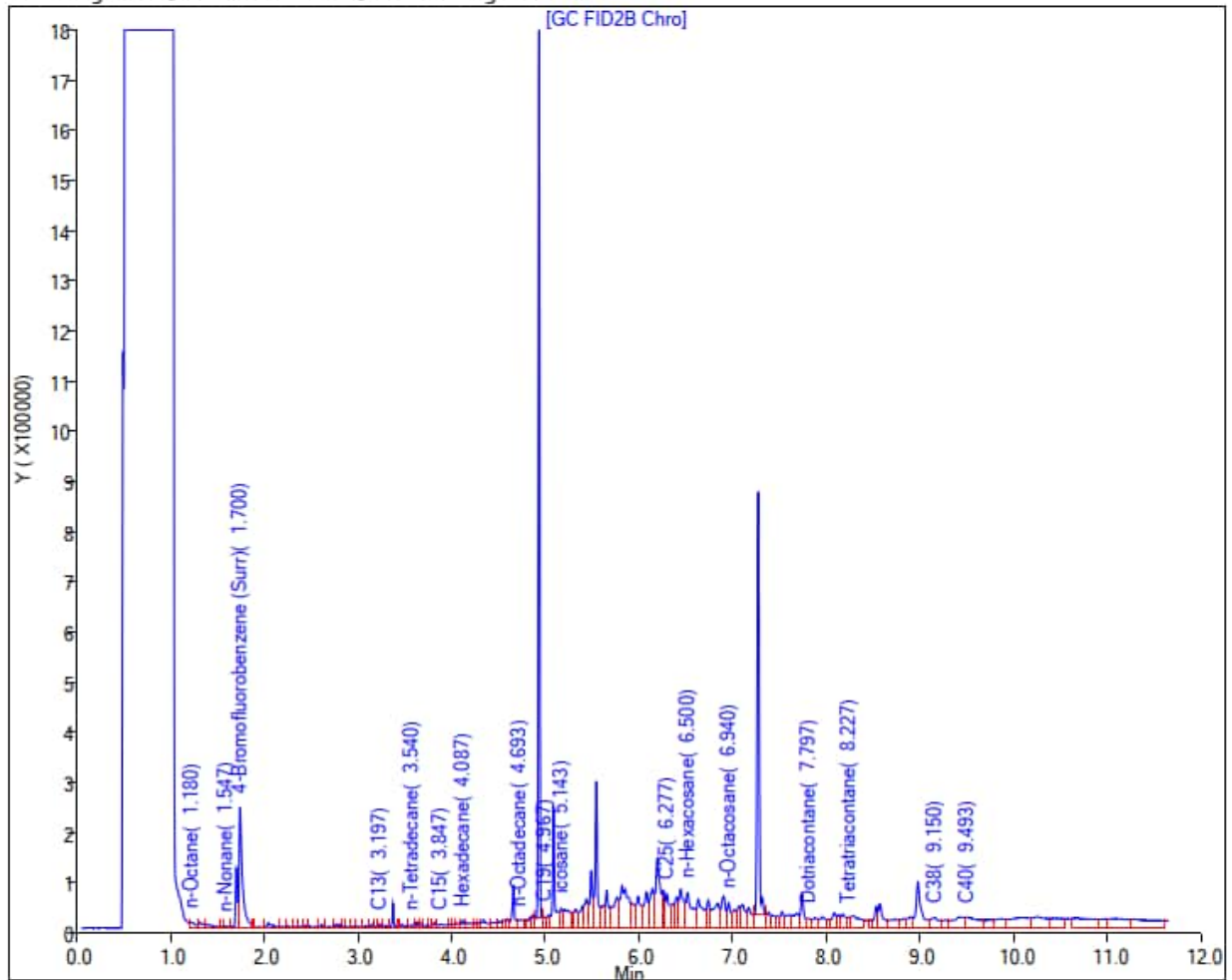
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 06-Dec-2022 15:35:19

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221205-86109.b\120522_018.D

Injection Date: 05-Dec-2022 22:26:30

Instrument ID: TAC020

Lims ID: 580-120540-N-3-B

Lab Sample ID: 580-120540-3

Client ID: RHMW03-WGN01B-2211WK4

Operator ID: DH

ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul

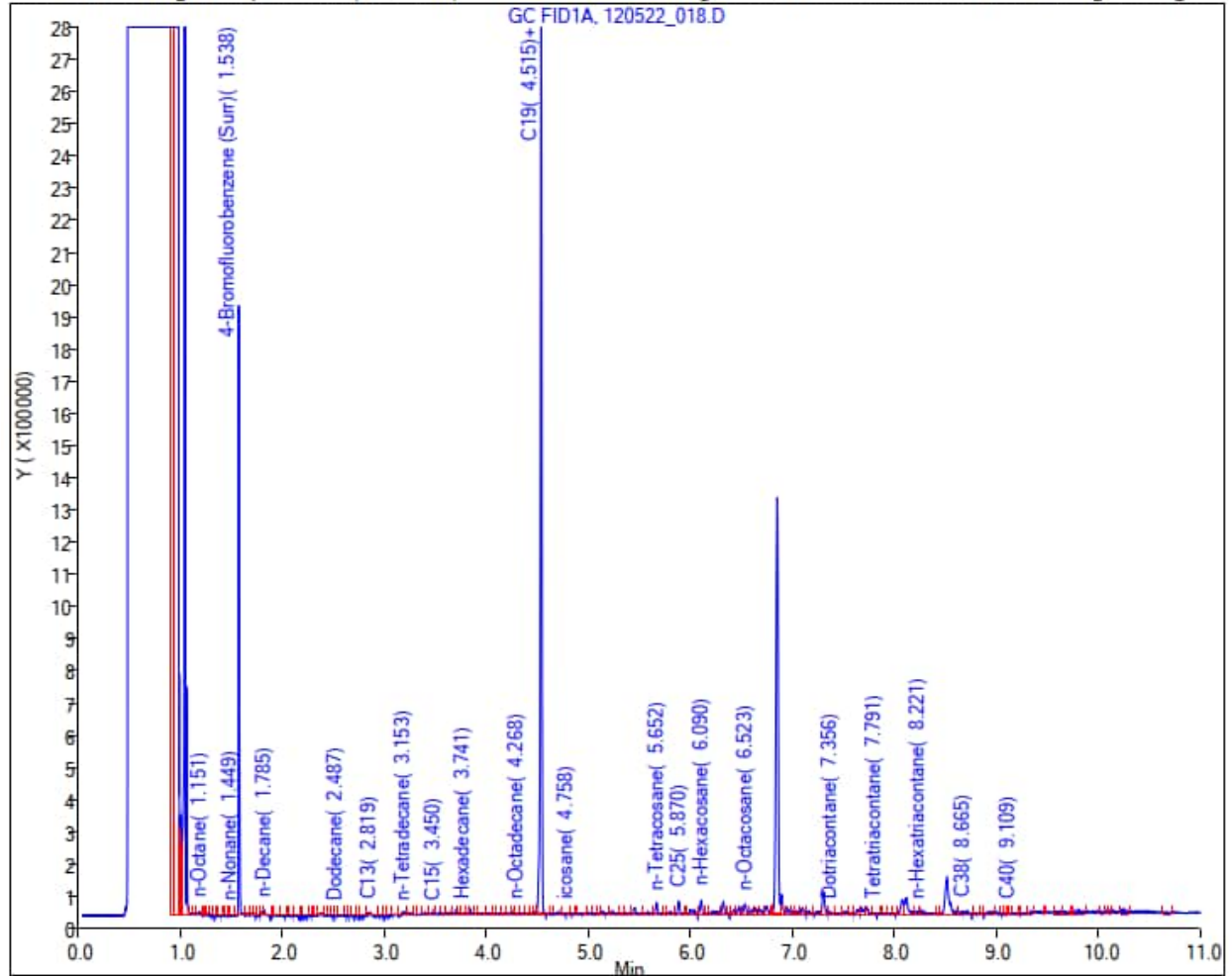
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2212WK1

Sample Date: 10/20/2022

Results (ug/L): TPH-d (C10 to C24) 160

TPH-o (C24 to C40) 280 J

Report Date: 14-Dec-2022 14:12:40

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221213-86239.b\121322A073.D

Injection Date: 13-Dec-2022 23:04:11

Instrument ID: TAC129_R

Lims ID: 580-121110-N-5-A

Lab Sample ID: 580-121110-5

Client ID: RHMW03-WGN01B-2212WK1

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

60

Injection Vol: 1.0 ul

Dil. Factor:

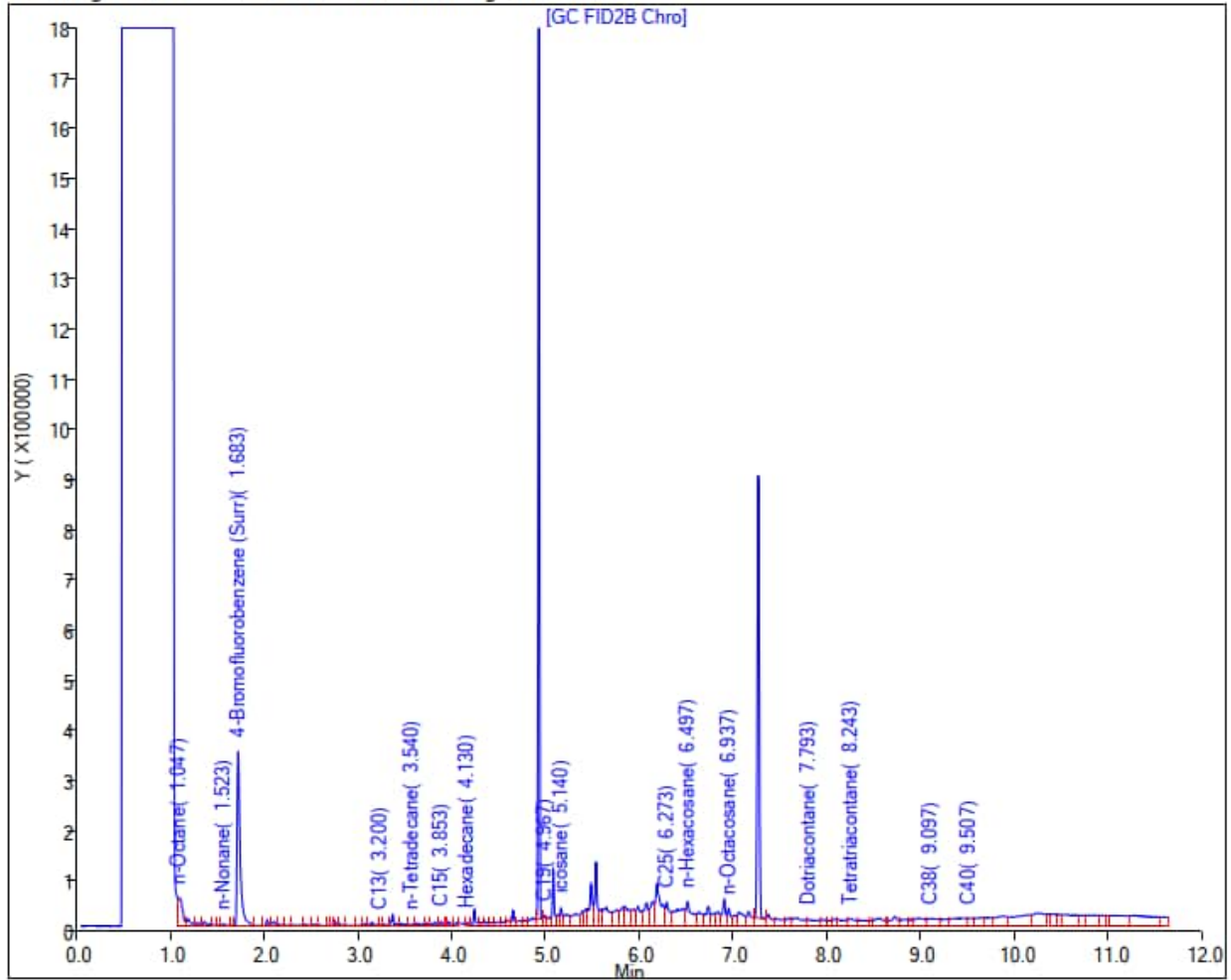
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 14-Dec-2022 13:29:33

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221213-86240.b\121322A064.D

Injection Date: 13-Dec-2022 21:31:28

Instrument ID: TAC129

Lims ID: 580-121110-N-5-B

Lab Sample ID: 580-121110-5

Client ID: RHMW03-WGN01B-2212WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 39

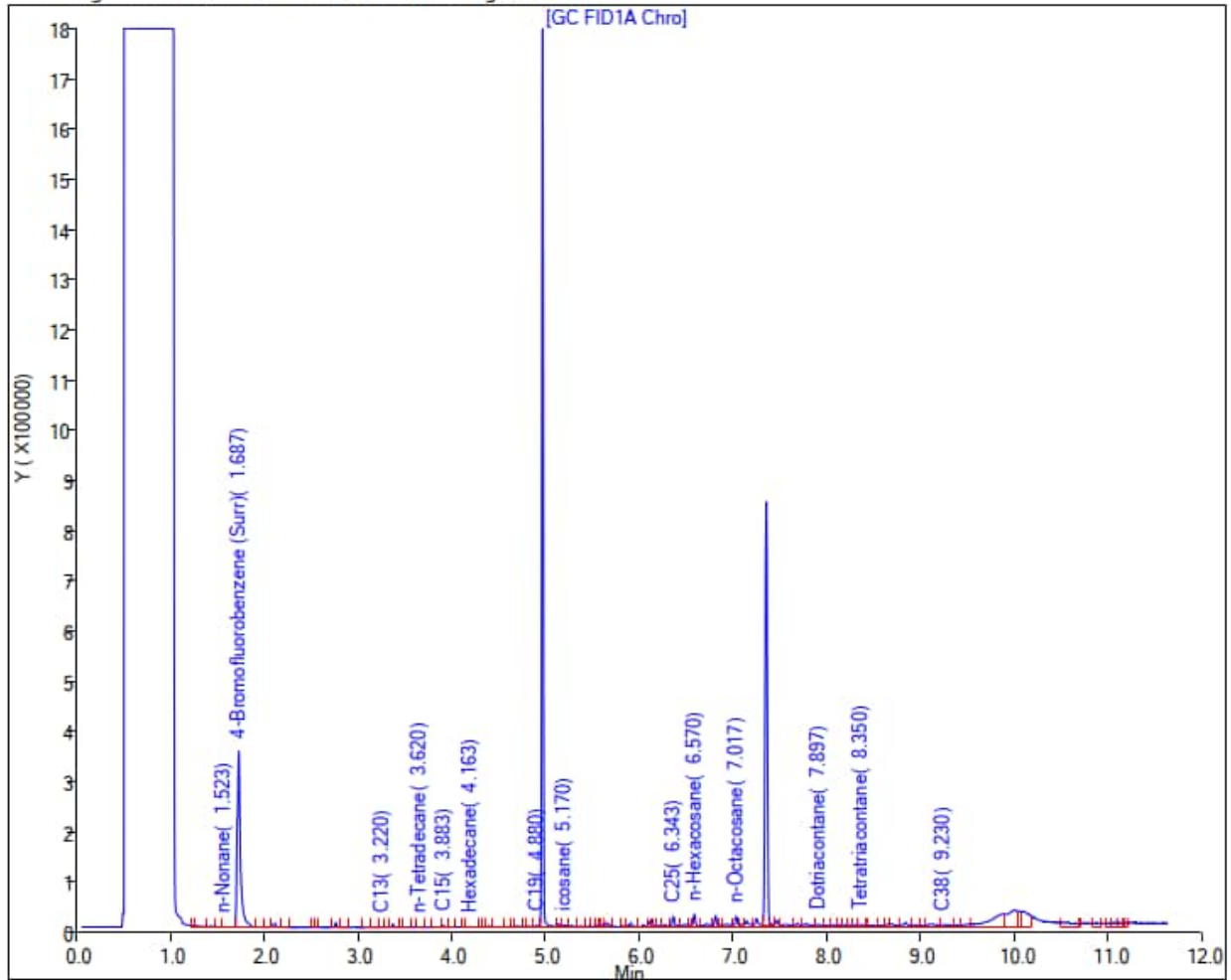
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2212WK3

Sample Date: 12/20/2022

Results (ug/L): TPH-d (C10 to C24) 120

TPH-o (C24 to C40) 200 J

Report Date: 29-Dec-2022 14:32:36

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221228-86433.b\122822A019.D

Injection Date: 29-Dec-2022 01:07:15

Instrument ID: TAC129_R

Lims ID: 580-121497-O-11-A

Lab Sample ID: 580-121497-11

Client ID: RHMW03-WGN01B-2212WK3

Operator ID: DH

ALS Bottle#:

0

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

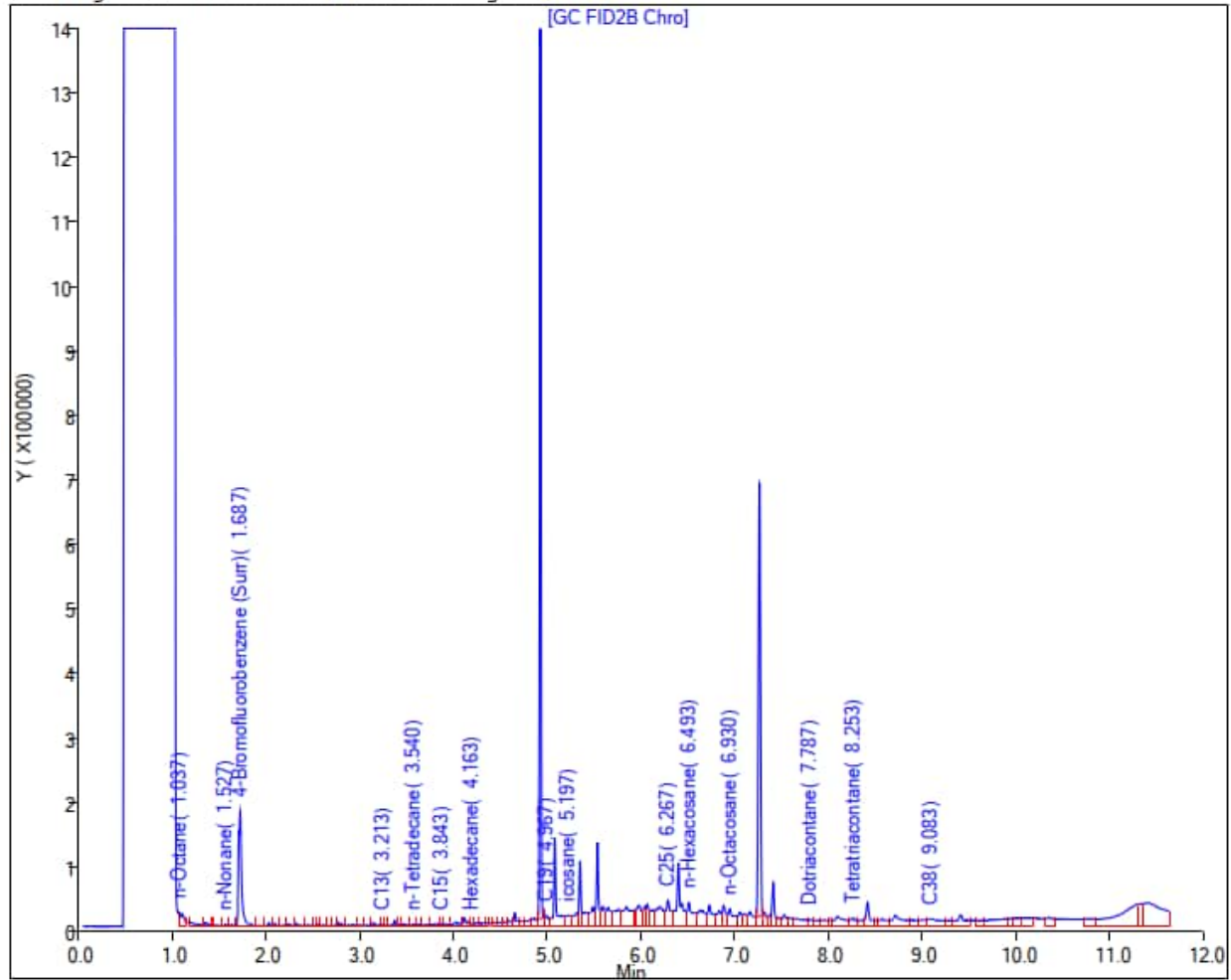
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 13-Jan-2023 10:52:53

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230112-86634.b\011223A070.D

Injection Date: 12-Jan-2023 22:36:22

Instrument ID: TAC129

Lims ID: 580-121497-N-11-B

Lab Sample ID: 580-121497-11

Client ID: RHMW03-WGN01B-2212WK3

Operator ID: kw/cc

ALS Bottle#: 0 Worklist Smp#: 63

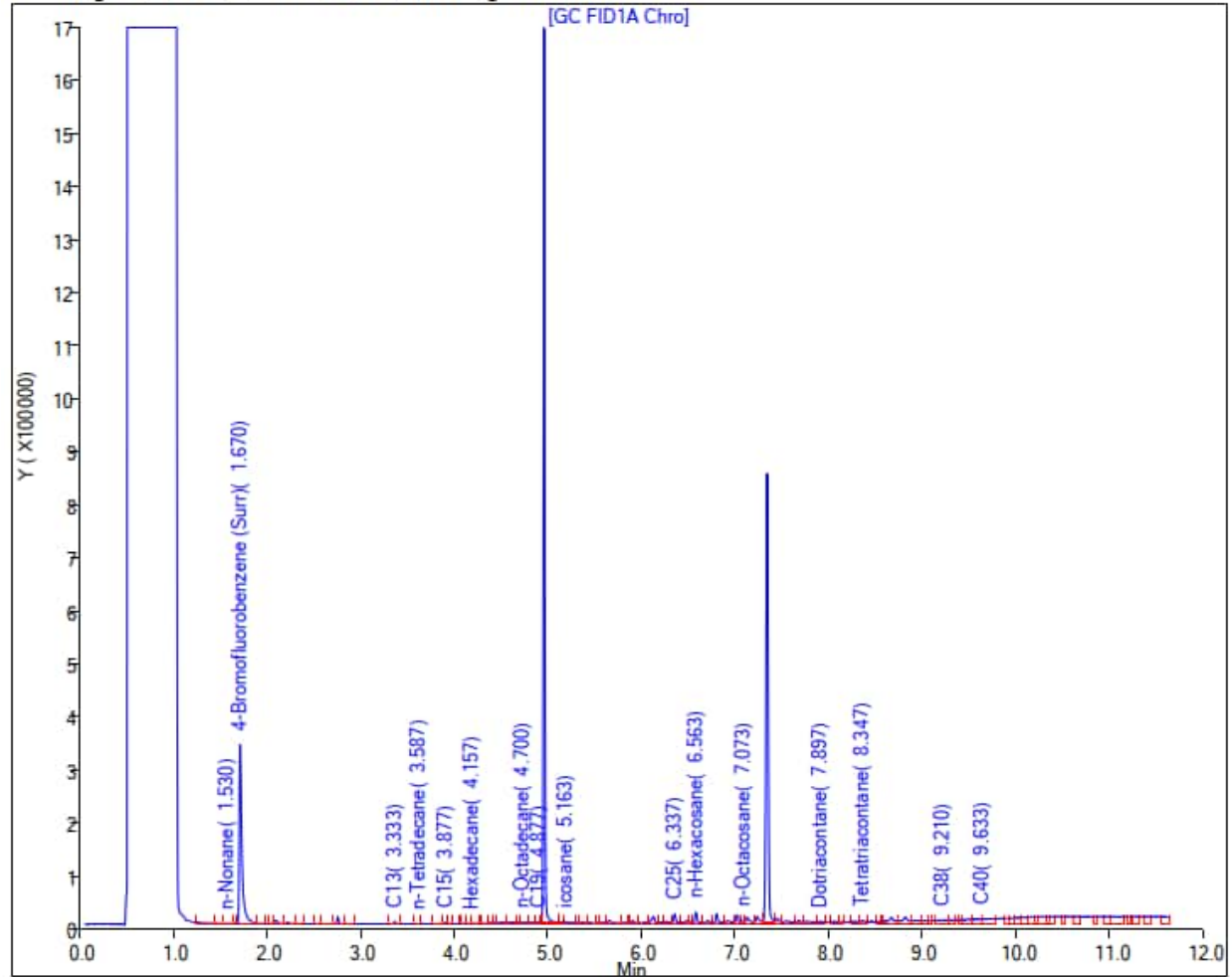
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2212WK4

Sample Date: 12/28/2022

Results (ug/L): TPH-d (C10 to C24) 100 J

TPH-o (C24 to C40) 190 J

Report Date: 06-Jan-2023 14:12:28

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A033.D

Injection Date: 05-Jan-2023 20:16:04

Instrument ID: TAC129_R

Lims ID: 580-121703-E-1-A

Lab Sample ID: 580-121703-1

Client ID: RHMW03-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0

Worklist Smp#: 32

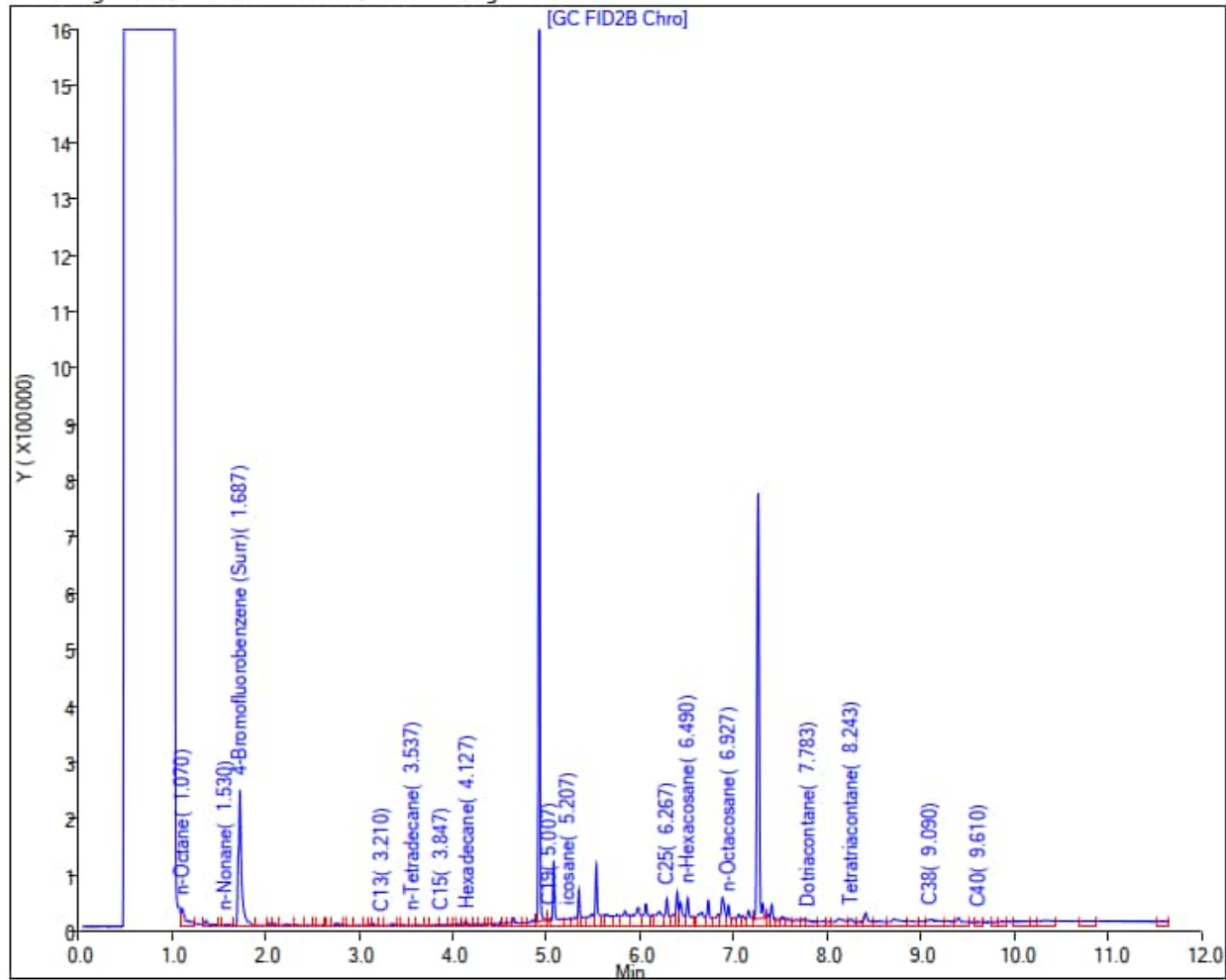
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 17-Jan-2023 09:36:28

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230116-86679.b\011623A085.D

Injection Date: 17-Jan-2023 00:07:34

Instrument ID: TAC129_R

Lims ID: 580-121703-E-1-B

Lab Sample ID: 580-121703-1

Client ID: RHMW03-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 83

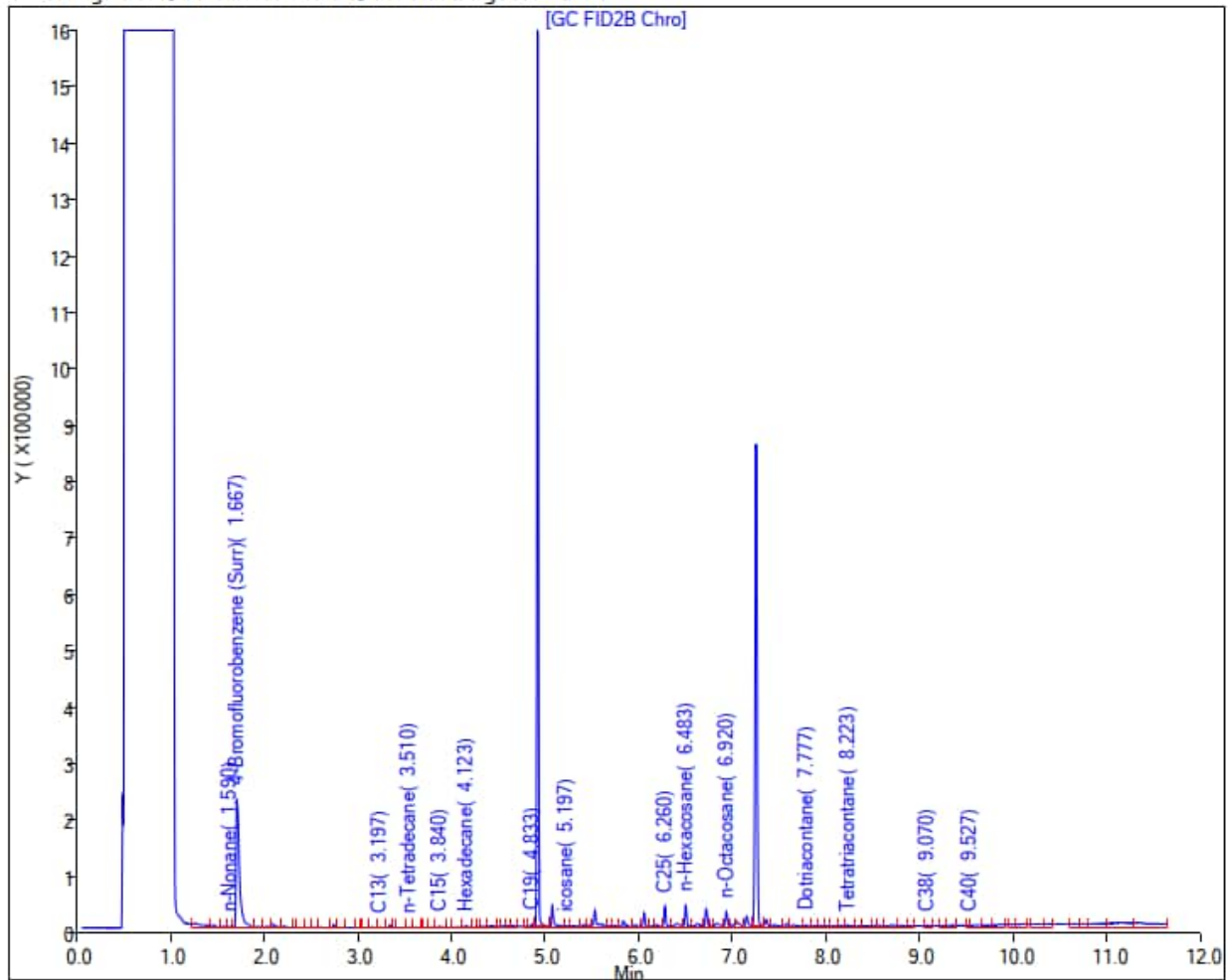
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2301WK1

Sample Date: 1/4/2023

Results (ug/L): TPH-d (C10 to C24) 110

TPH-o (C24 to C40) 180 J

Report Date: 13-Jan-2023 14:27:53

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\0112aa23A011.D

Injection Date: 13-Jan-2023 10:04:10

Instrument ID: TAC129_R

Lims ID: 580-121868-O-17-A

Lab Sample ID: 580-121868-17

Client ID: RHMW03-WGN01B-2301WK1

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

47

Injection Vol: 1.0 ul

Dil. Factor:

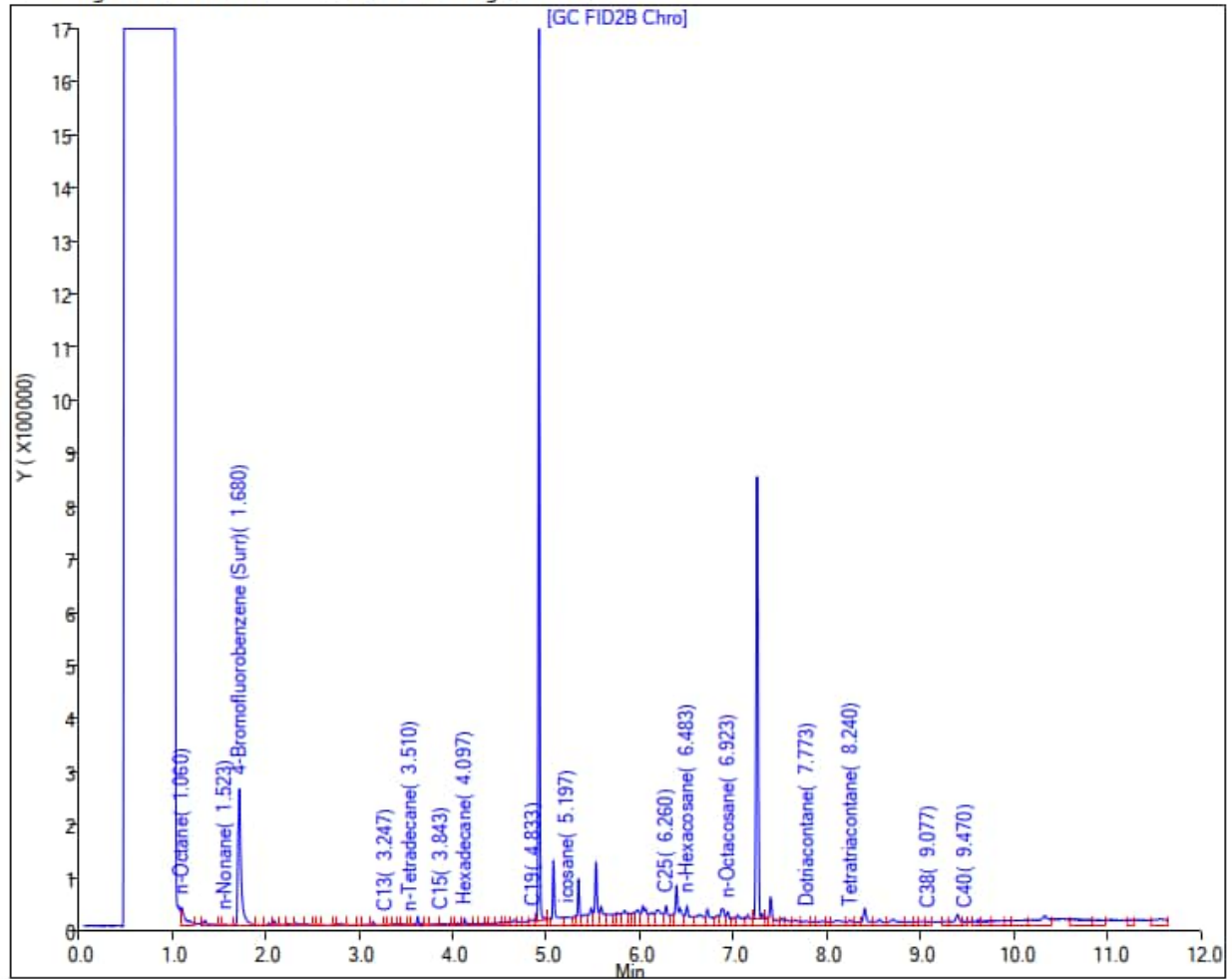
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 19-Jan-2023 08:24:14

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230118-86744.b\011823A023.D

Injection Date: 18-Jan-2023 21:28:40

Instrument ID: TAC129_R

Lims ID: 580-121868-O-17-B

Lab Sample ID: 580-121868-17

Client ID: RHMW03-WGN01B-2301WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 12

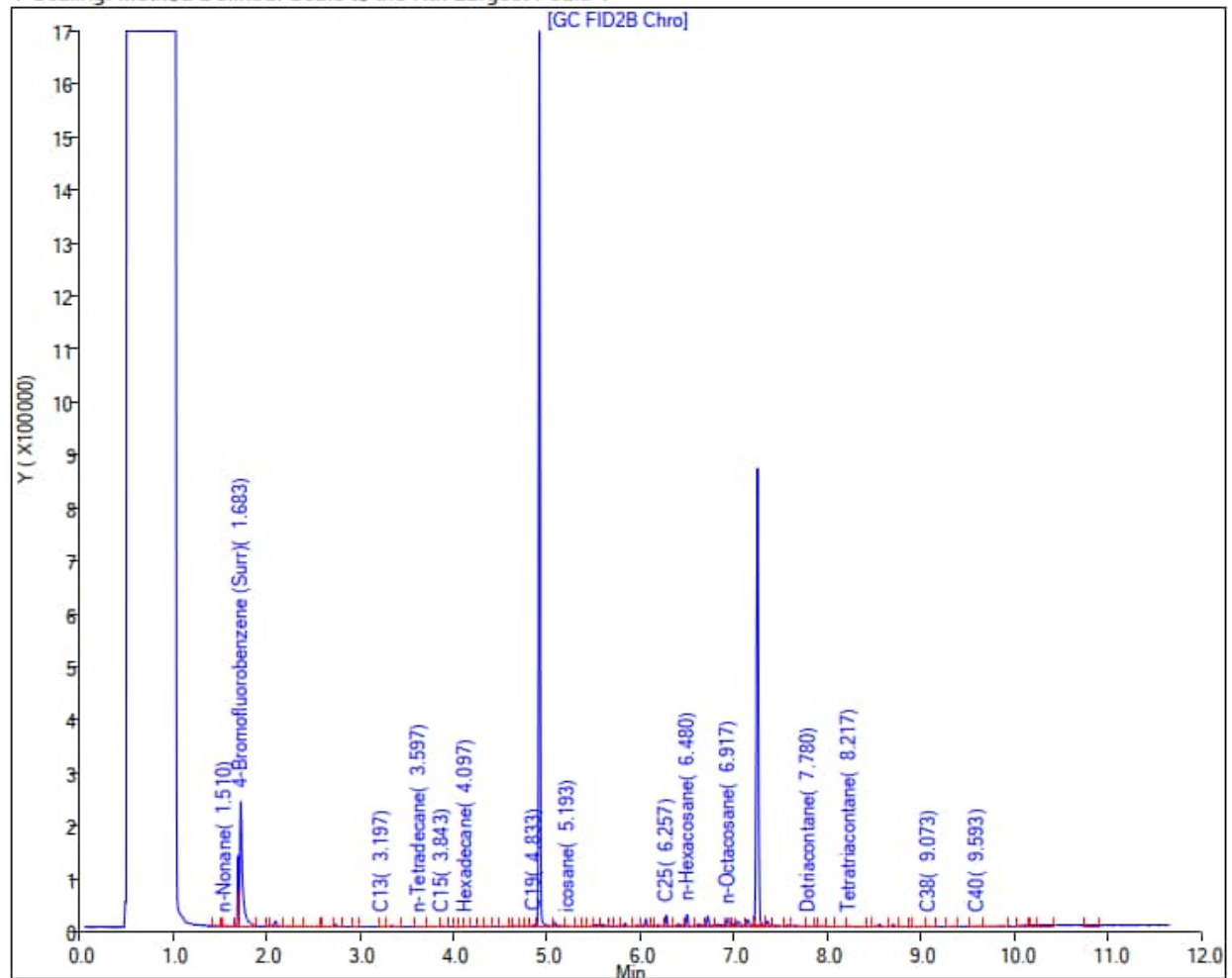
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2301WK2

Sample Date: 1/10/2023

Results (ug/L): TPH-d (C10 to C24) 110

TPH-o (C24 to C40) 240 J

Report Date: 18-Jan-2023 09:33:21

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A033.D

Injection Date: 18-Jan-2023 02:26:34

Instrument ID: TAC129_R

Lims ID: 580-122061-N-3-A

Lab Sample ID: 580-122061-3

Client ID: RHMW03-WGN01B-2301WK2

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

46

Injection Vol: 1.0 uL/L

Dil. Factor:

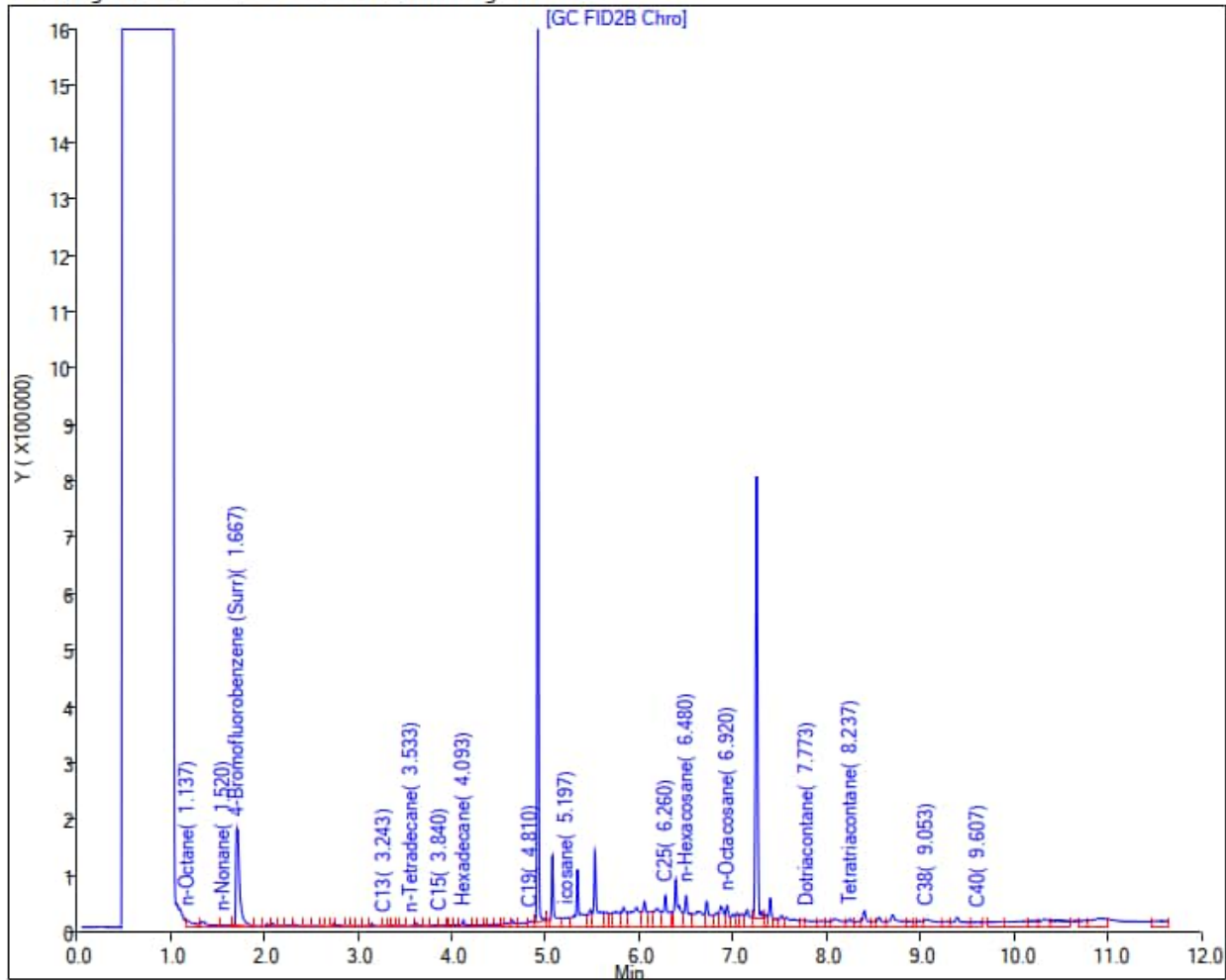
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 20-Jan-2023 11:08:09

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230119-86748.b\011923A045.D

Injection Date: 19-Jan-2023 18:05:30

Instrument ID: TAC129_R

Lims ID: 580-122061-N-3-B

Lab Sample ID: 580-122061-3

Client ID: RHMW03-WGN01B-2301WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 23

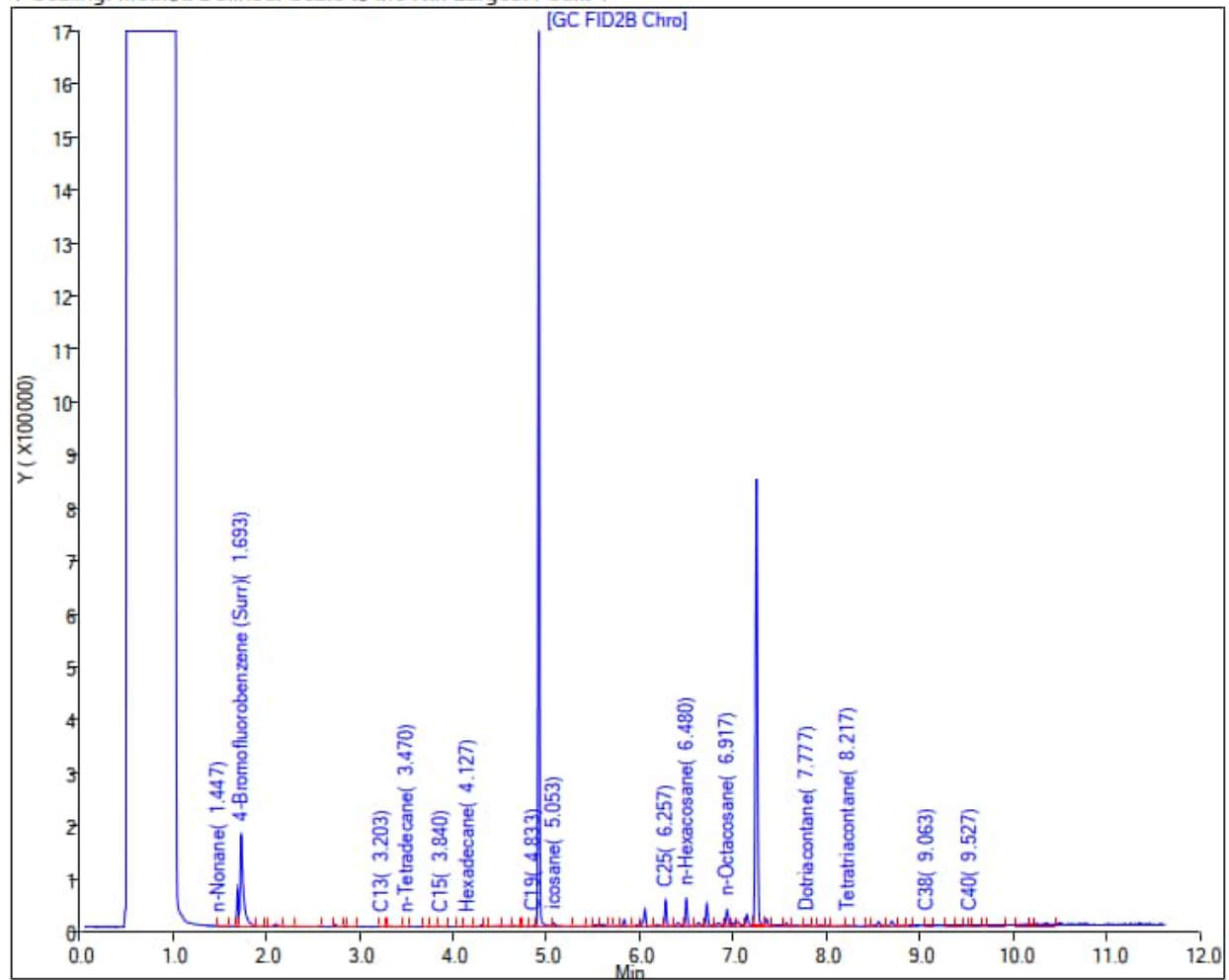
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2301WK3

Sample Date: 1/17/2023

Results (ug/L): TPH-d (C10 to C24) 160 J+

TPH-o (C24 to C40) 290 J

Report Date: 26-Jan-2023 12:15:02

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230125-86809.b\0125b23_052.D

Injection Date: 26-Jan-2023 08:42:39

Instrument ID: TAC020

Lims ID: 580-122420-N-1-A

Lab Sample ID: 580-122420-1

Client ID: RHMW03-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 125

Injection Vol: 1.0 ul

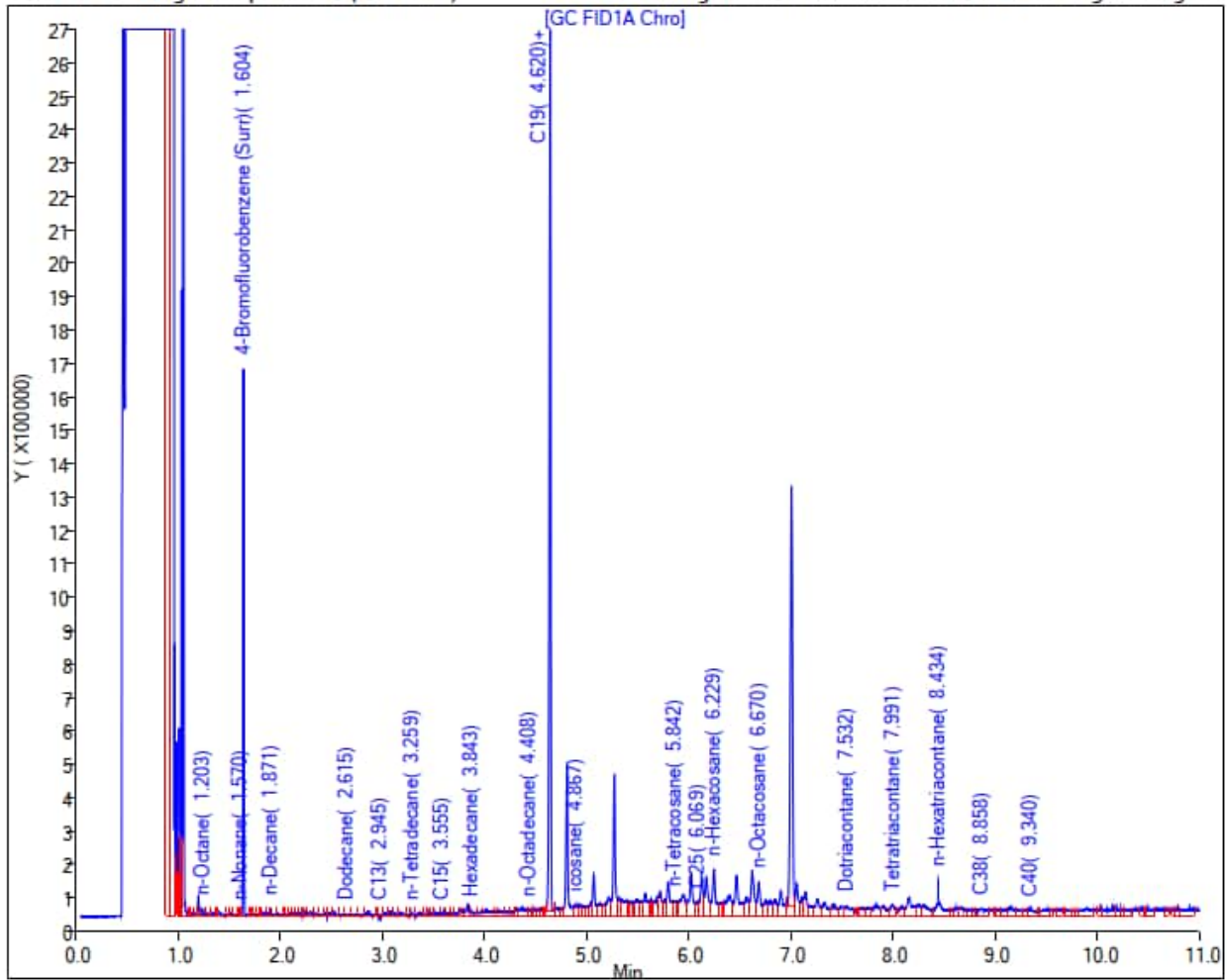
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 03-Feb-2023 08:36:30

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230202-86914.b\020223A007.D

Injection Date: 02-Feb-2023 10:40:50

Instrument ID: TAC129_R

Lims ID: 580-122420-N-1-B

Lab Sample ID: 580-122420-1

Client ID: RHMW03-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 4

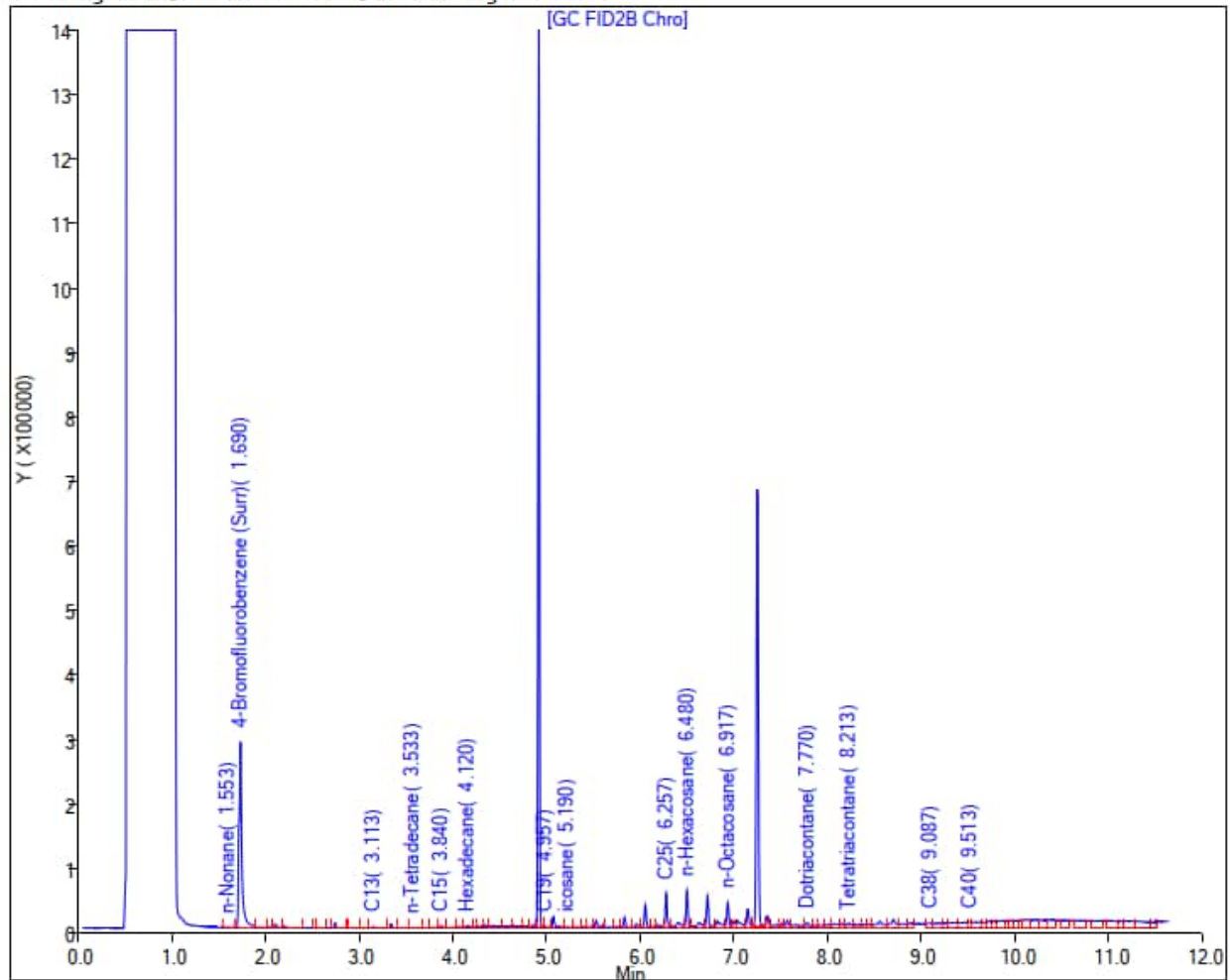
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN02B-2301WK4

Sample Date: 1/24/2023

Results (ug/L): TPH-d (C10 to C24) 160 J-

TPH-o (C24 to C40) 260 J

Report Date: 03-Feb-2023 08:42:14

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230202-86931.b\0202b23_037.D

Injection Date: 03-Feb-2023 04:41:09

Instrument ID: TAC020

Lims ID: 580-122714-F-7-A

Lab Sample ID: 580-122714-7

Client ID: RHMW03-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 70

Injection Vol: 1.0 ul

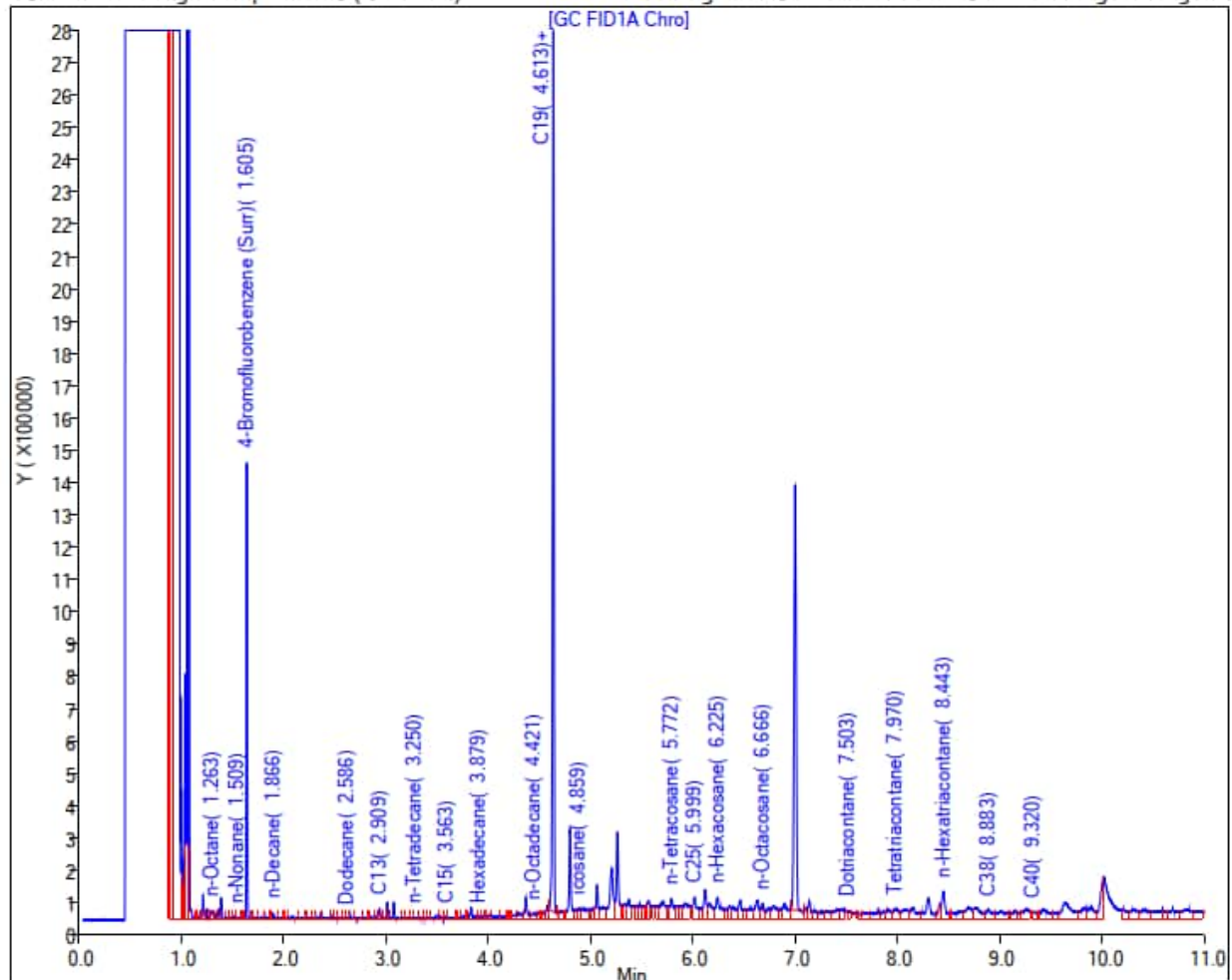
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 UJ

TPH-o SGC (C24 to C40) <300 UJ

Report Date: 07-Feb-2023 11:17:30

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Data File: Eurofins Seattle

Injection Date: 06-Feb-2023 16:35:44

Lims ID: 580-122714-F-7-B

Client ID: RHMW03-WGN01B-2301WK4

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-Front_TAC020

Column: ZB-1 High Temp. Inferno (0.25 mm)

Instrument ID: TAC020

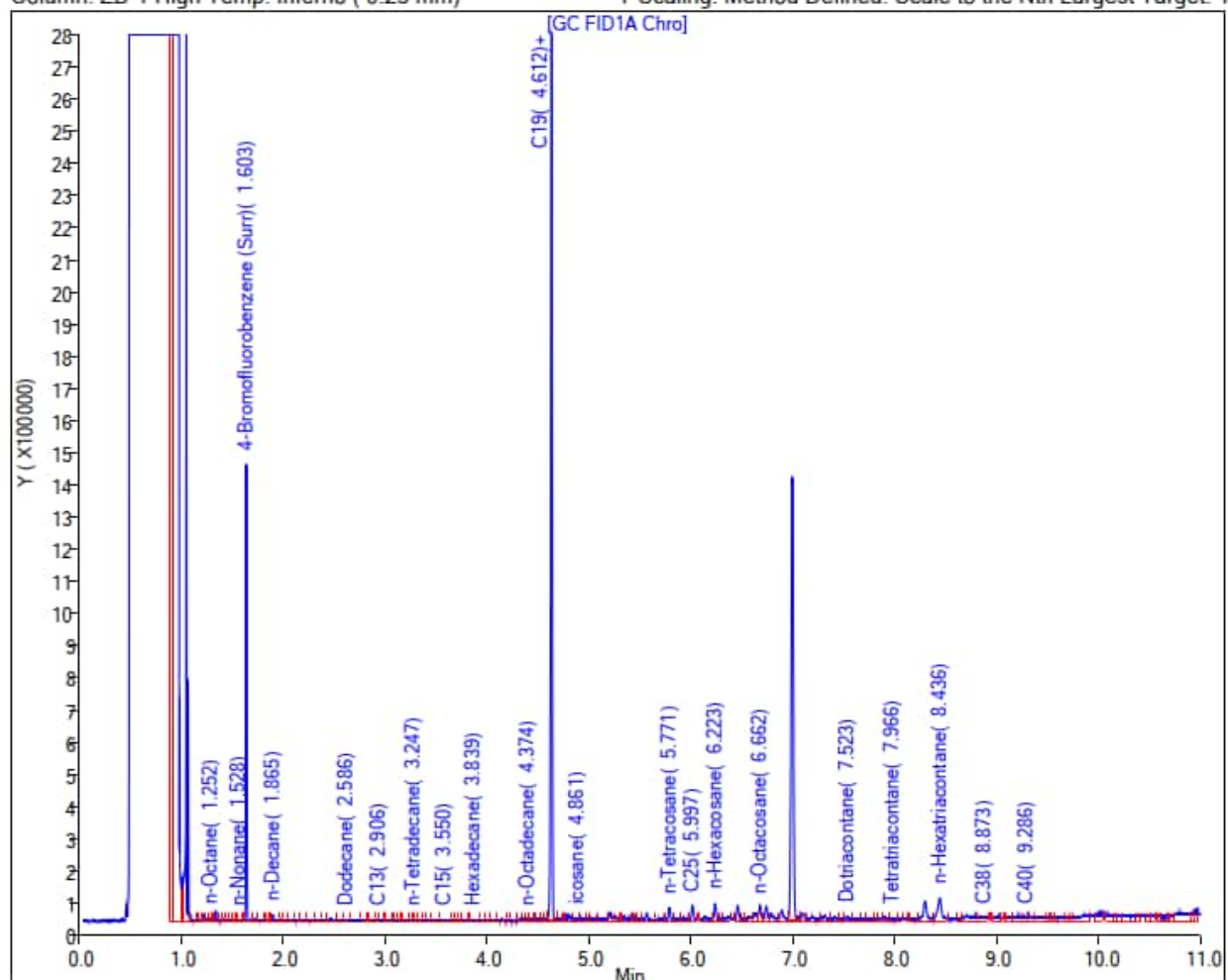
Lab Sample ID: 580-122714-7

ALS Bottle#: 0 Worklist Smp#: 22

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN01B-2211WK1

Sample Date: 11/7/2022

Results (ug/L): TPH-d (C10 to C24) 69 J

TPH-o (C24 to C40) <240 U

Report Date: 14-Nov-2022 13:32:31

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221111-85756.b\111222A033.D

Injection Date: 12-Nov-2022 04:23:41

Instrument ID: TAC129_R

Lims ID: 580-119862-O-1-A

Lab Sample ID: 580-119862-1

Client ID: RHMW04-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 27

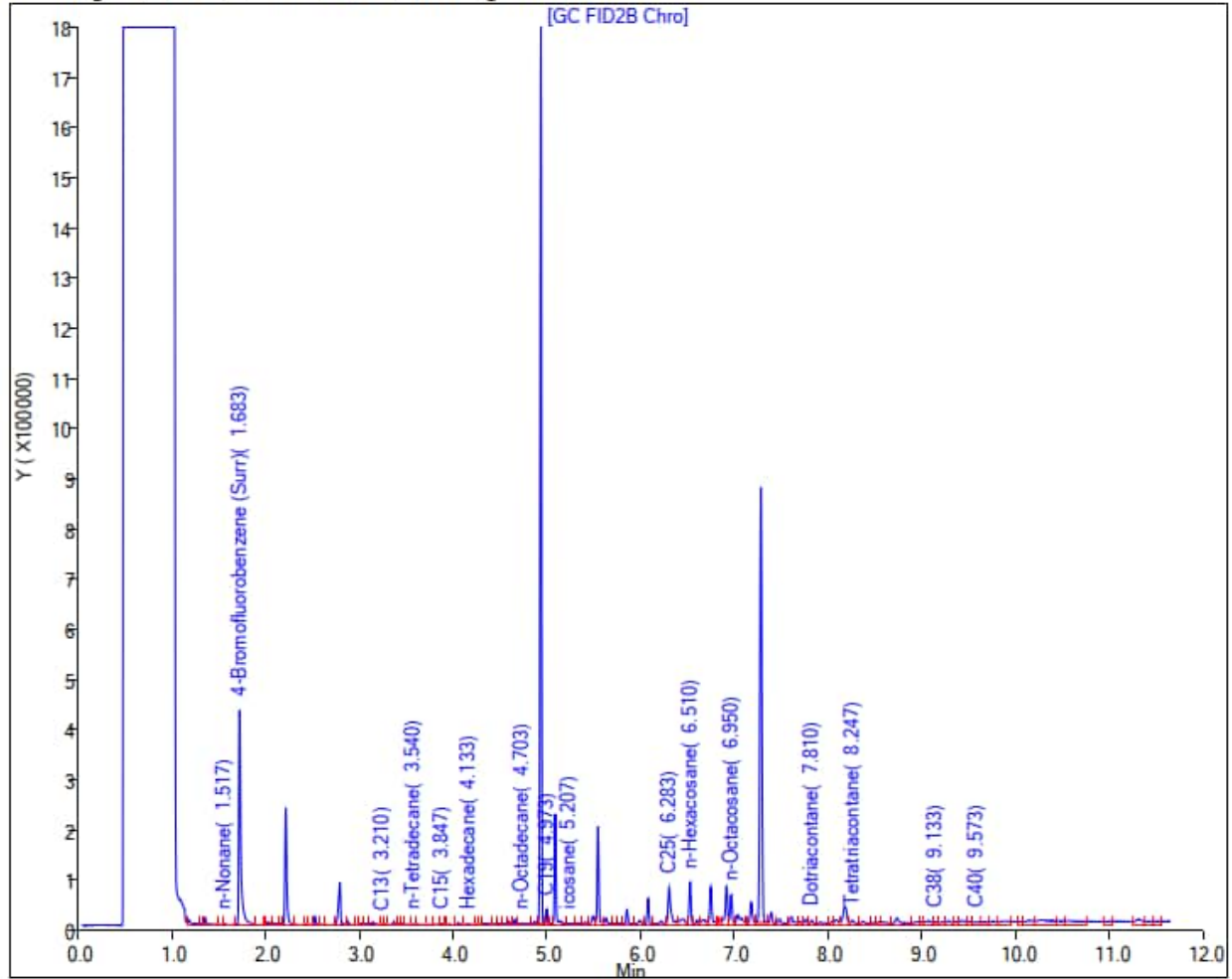
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 72 J

TPH-o SGC (C24 to C40) <240 U

Report Date: 18-Nov-2022 11:58:50

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_012.D

Injection Date: 17-Nov-2022 23:18:30

Instrument ID: TAC020

Lims ID: 580-119862-O-1-B

Lab Sample ID: 580-119862-1

Client ID: RHMW04-WGN01B-2211WK1

Operator ID: DH/CC

ALS Bottle#: 11 Worklist Smp#: 14

Injection Vol: 1.0 ul

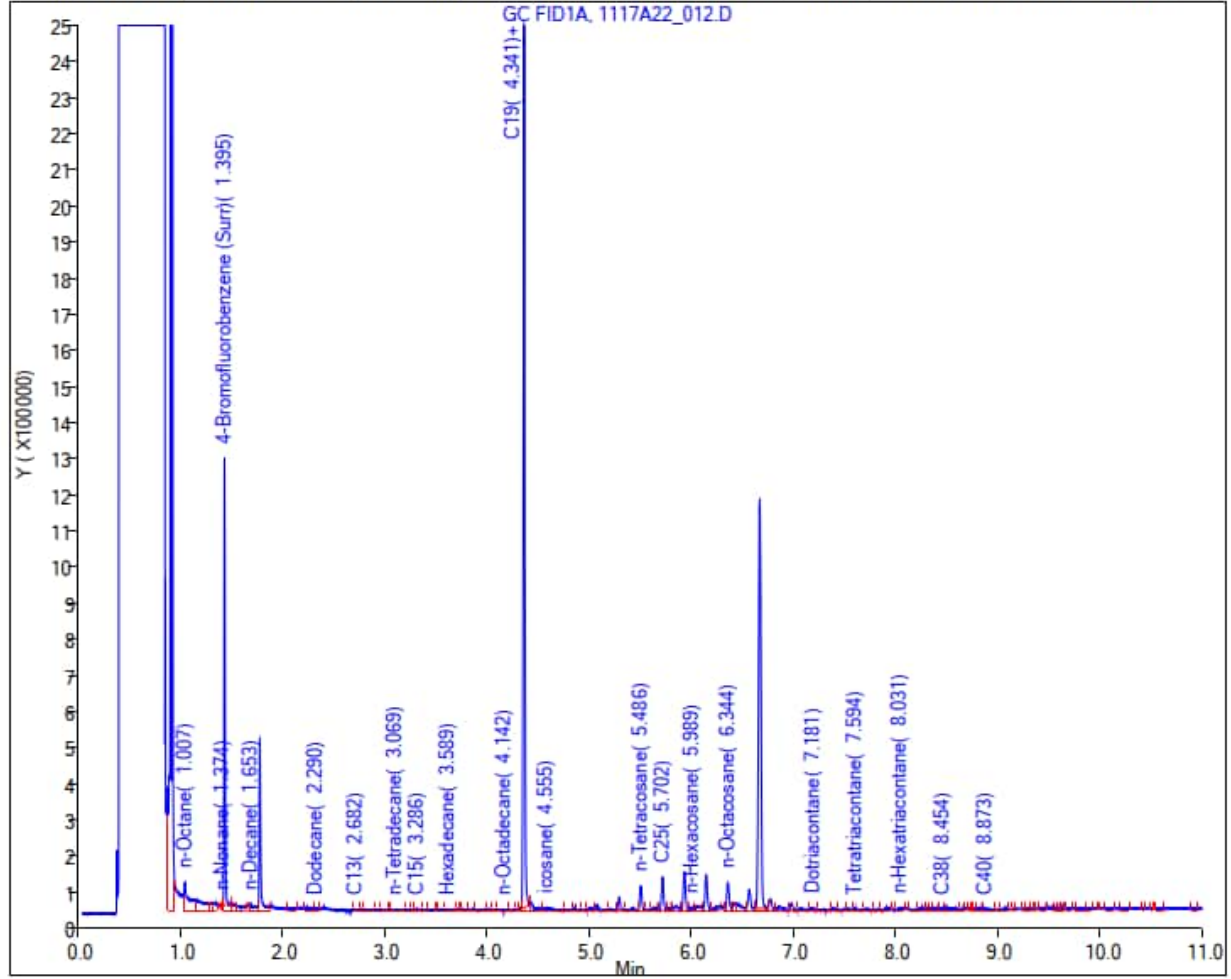
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2211WK1

Sample Date: 11/7/2022

Results (ug/L): TPH-d (C10 to C24) 110

TPH-o (C24 to C40) <250 U

Report Date: 14-Nov-2022 13:32:34

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221111-85756.b\111222A035.D

Eurofins Seattle

Injection Date: 12-Nov-2022 04:42:06 Instrument ID: TAC129_R

Lims ID: 580-119862-I-3-A Lab Sample ID: 580-119862-3

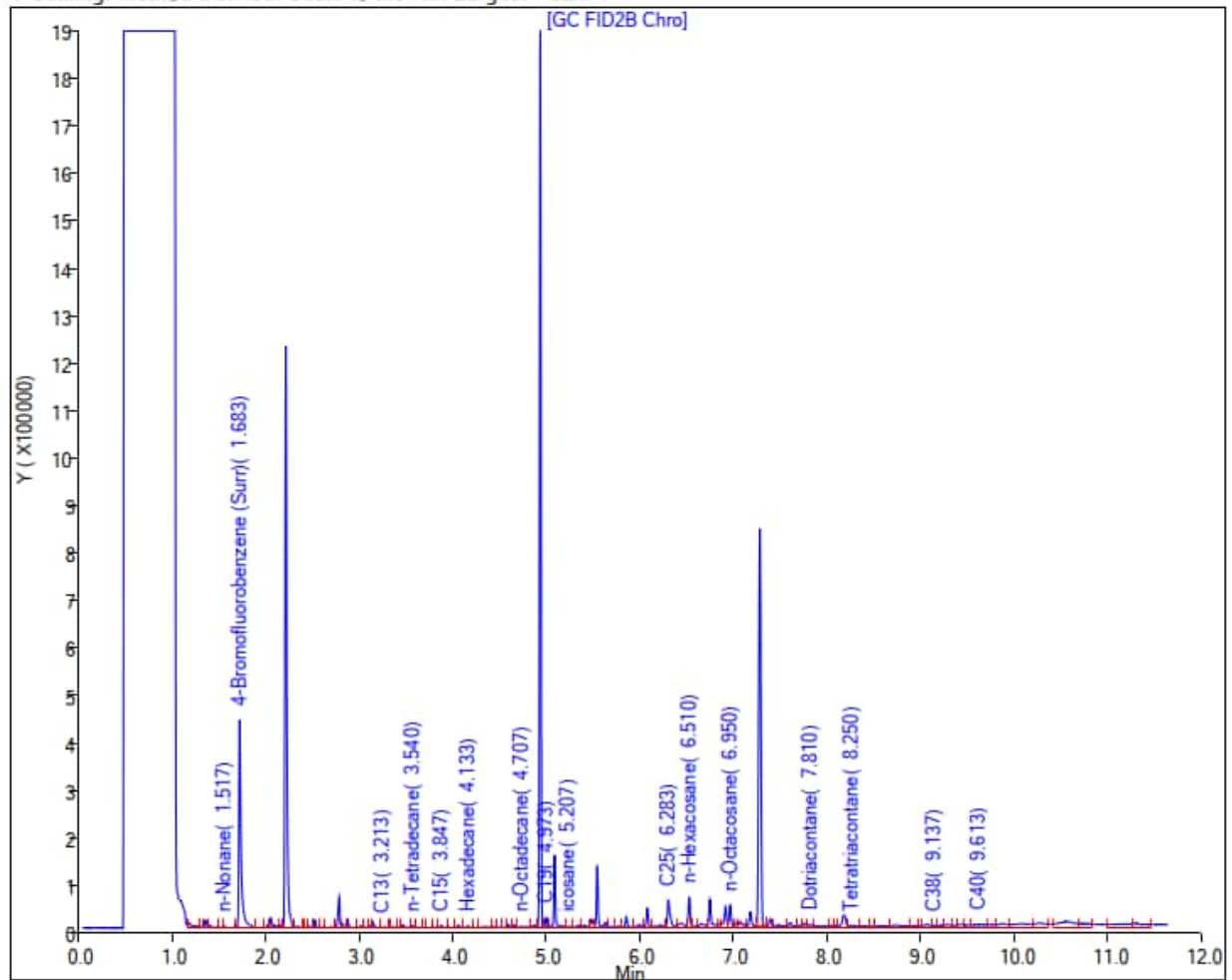
Client ID: RHMW04-WGFD01B-2211WK1

Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 28

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 120

TPH-o SGC (C24 to C40) <250 U

Report Date: 18-Nov-2022 11:58:58

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_013.D

Injection Date: 17-Nov-2022 23:38:30

Instrument ID: TAC020

Lims ID: 580-119862-I-3-B

Lab Sample ID: 580-119862-3

Client ID: RHMW04-WGFD01B-2211WK1

Operator ID: DH/CC

ALS Bottle#: 12 Worklist Smp#: 15

Injection Vol: 1.0 ul

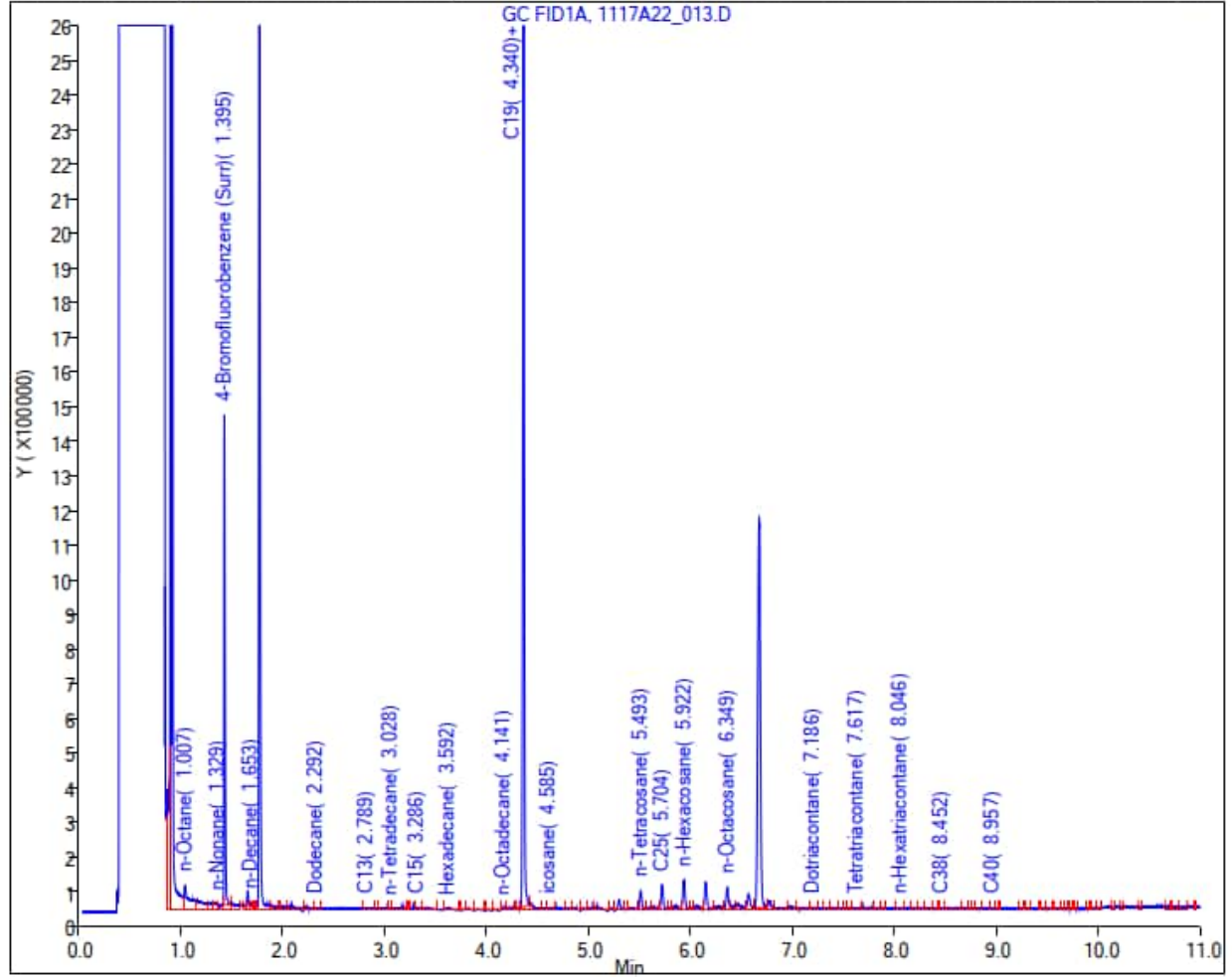
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN02B-2211WK1

Sample Date: 11/9/2022

Results (ug/L): TPH-d (C10 to C24) <110 U

TPH-o (C24 to C40) <330 U

Report Date: 17-Nov-2022 11:54:49

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A025.D

Injection Date: 17-Nov-2022 01:49:03

Instrument ID: TAC129_R

Lims ID: 580-119958-O-1-A

Lab Sample ID: 580-119958-1

Client ID: RHMW04-WGN02B-2211WK1

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 42

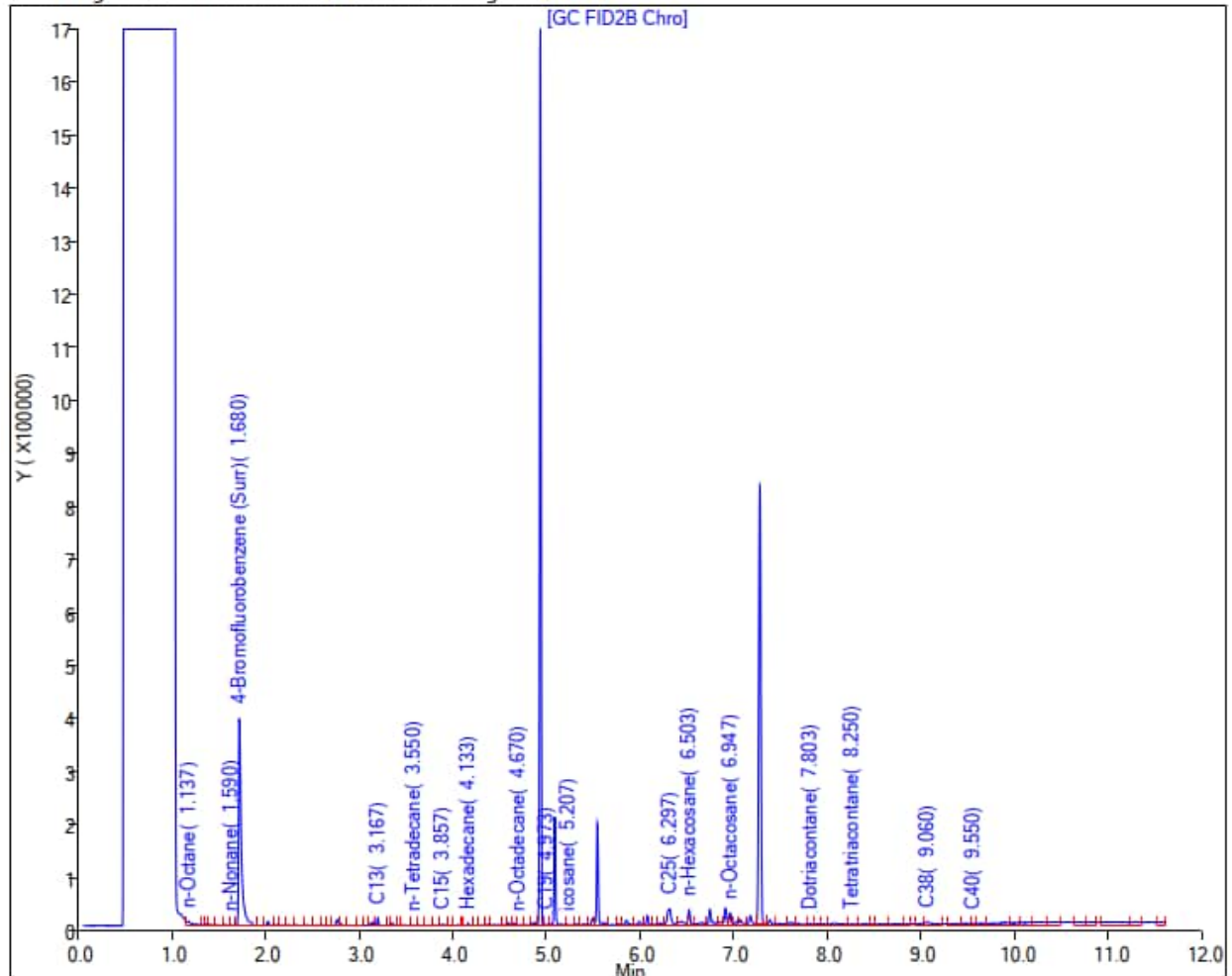
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD02B-2211WK1

Sample Date: 11/9/2022

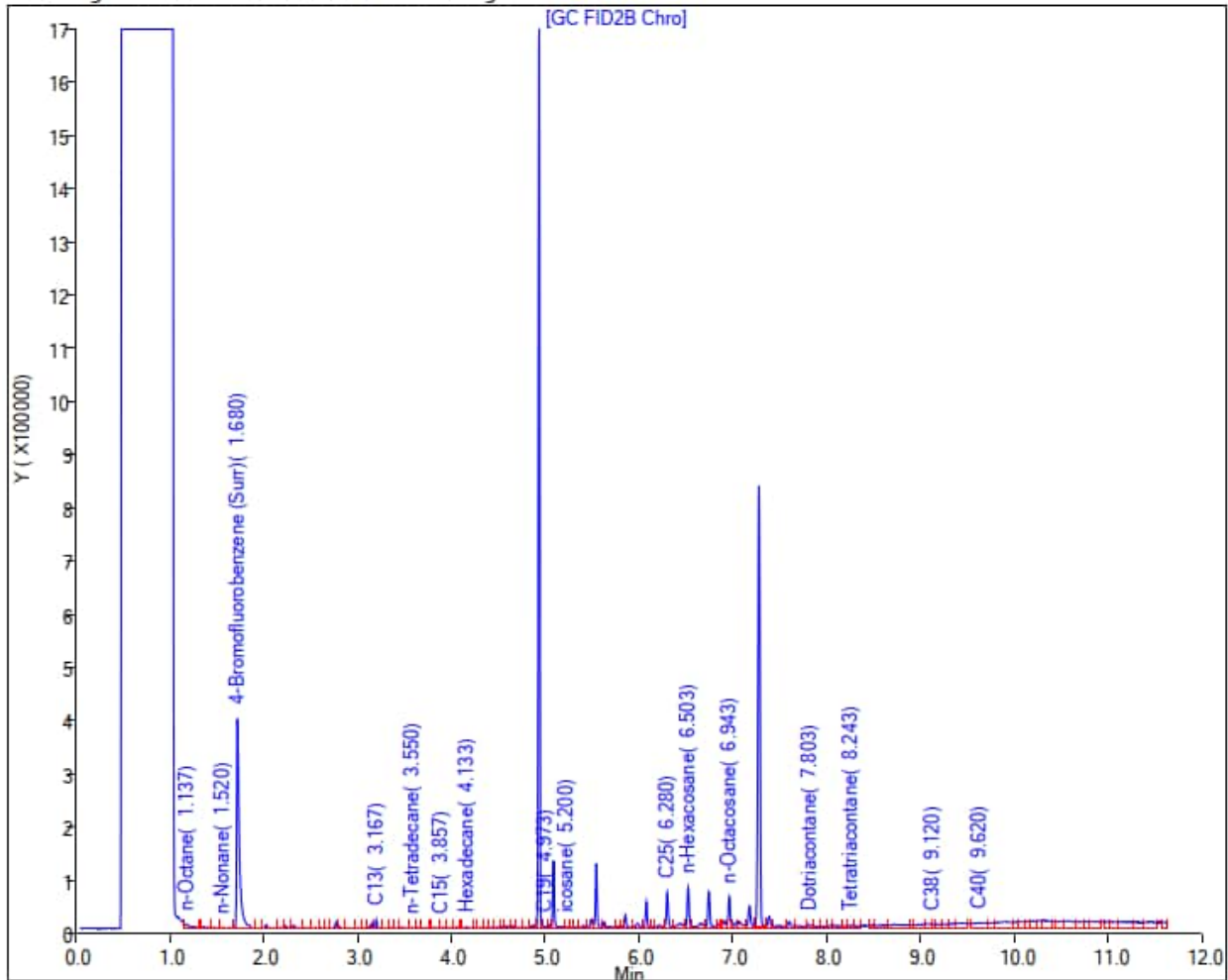
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 17-Nov-2022 11:54:53

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A029.D
Injection Date: 17-Nov-2022 02:25:53 Instrument ID: TAC129_R
Lims ID: 580-119958-I-3-A Lab Sample ID: 580-119958-3
Client ID: RHMW04-WGFD02B-2211WK1
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 44
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN02B-2211WK2

Sample Date: 11/16/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 22-Nov-2022 15:00:48

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Data File: Eurofins Seattle

Injection Date: 22-Nov-2022 00:43:30

Lims ID: 580-120153-O-15-A

Client ID: RHMW04-WGN02B-2211WK2

Operator ID: DH

Injection Vol: 1.0 ul

Method: TPH-Front_TAC020

Column: ZB-1 High Temp. Inferno (0.25 mm)

Instrument ID: TAC020

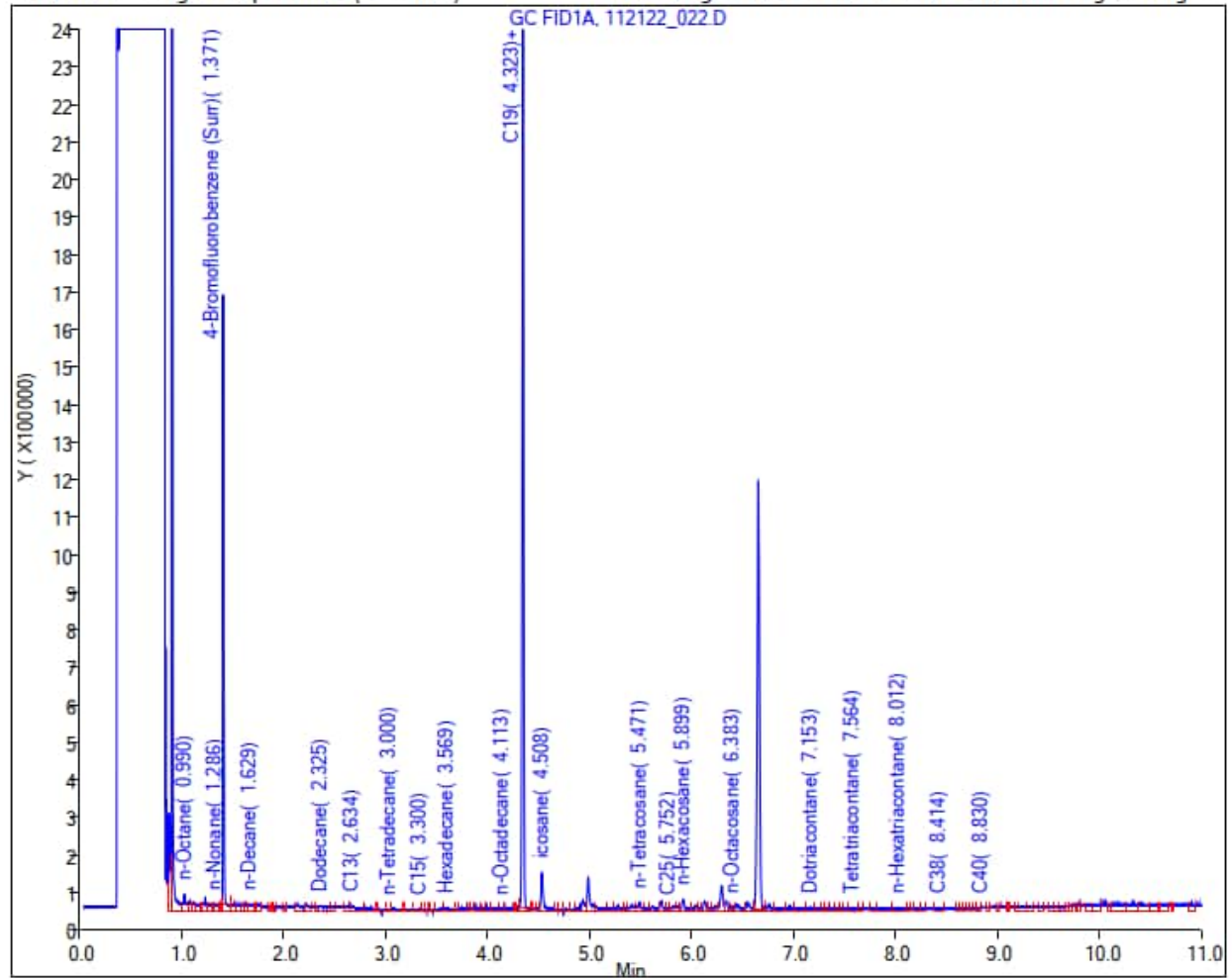
Lab Sample ID: 580-120153-15

ALS Bottle#: 21

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD02B-2211WK2

Sample Date: 11/16/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 22-Nov-2022 15:00:55

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Data File: Eurofins Seattle

Injection Date: 22-Nov-2022 01:03:30

Lims ID: 580-120153-I-17-A

Client ID: RHMW04-WGFD02B-2211WK2

Operator ID: DH

Injection Vol: 1.0 ul

Method: TPH-Front_TAC020

Column: ZB-1 High Temp. Inferno (0.25 mm)

Instrument ID: TAC020

Lab Sample ID: 580-120153-17

ALS Bottle#:

22

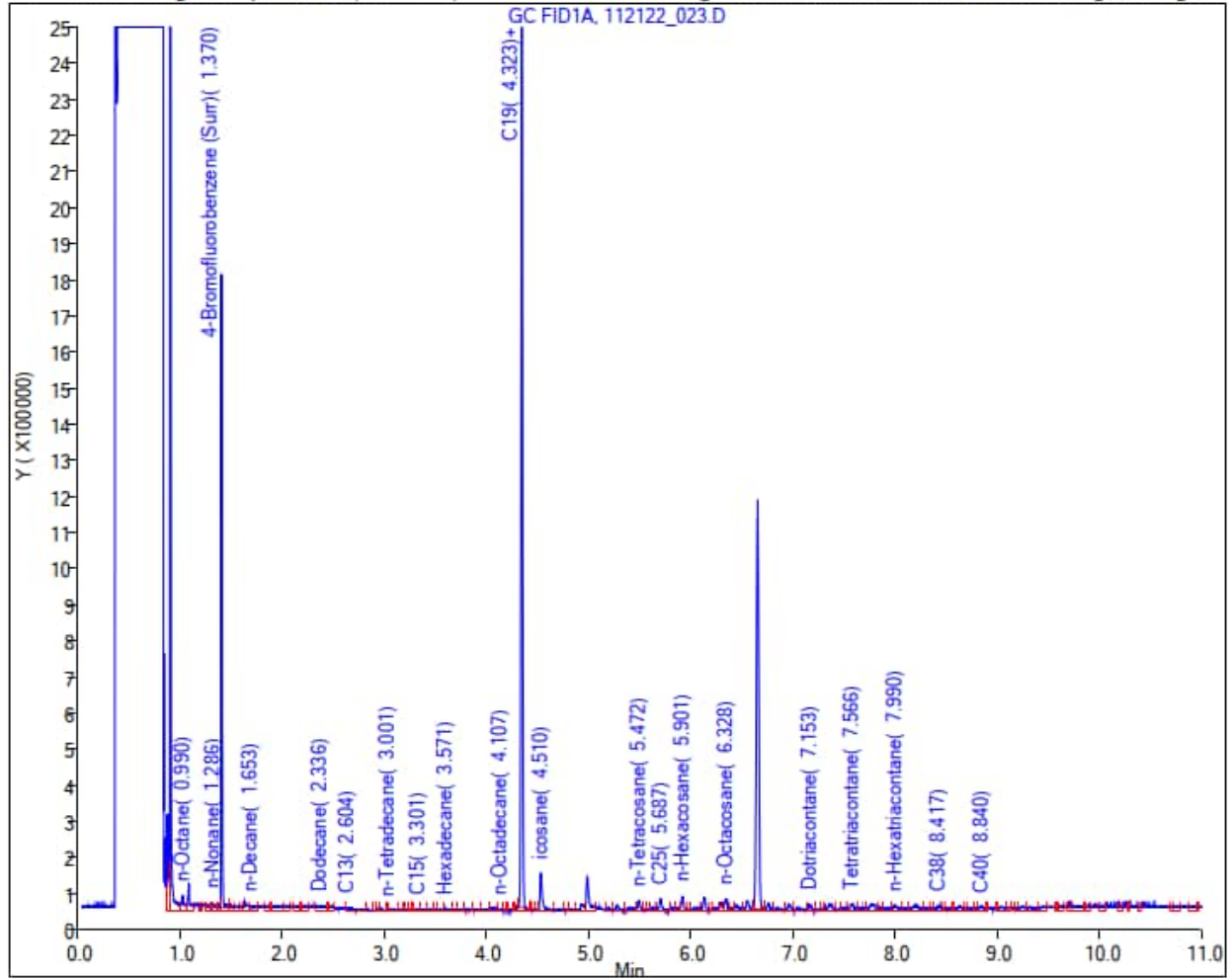
Worklist Smp#:

22

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN01B-2212WK1

Sample Date: 12/7/2022

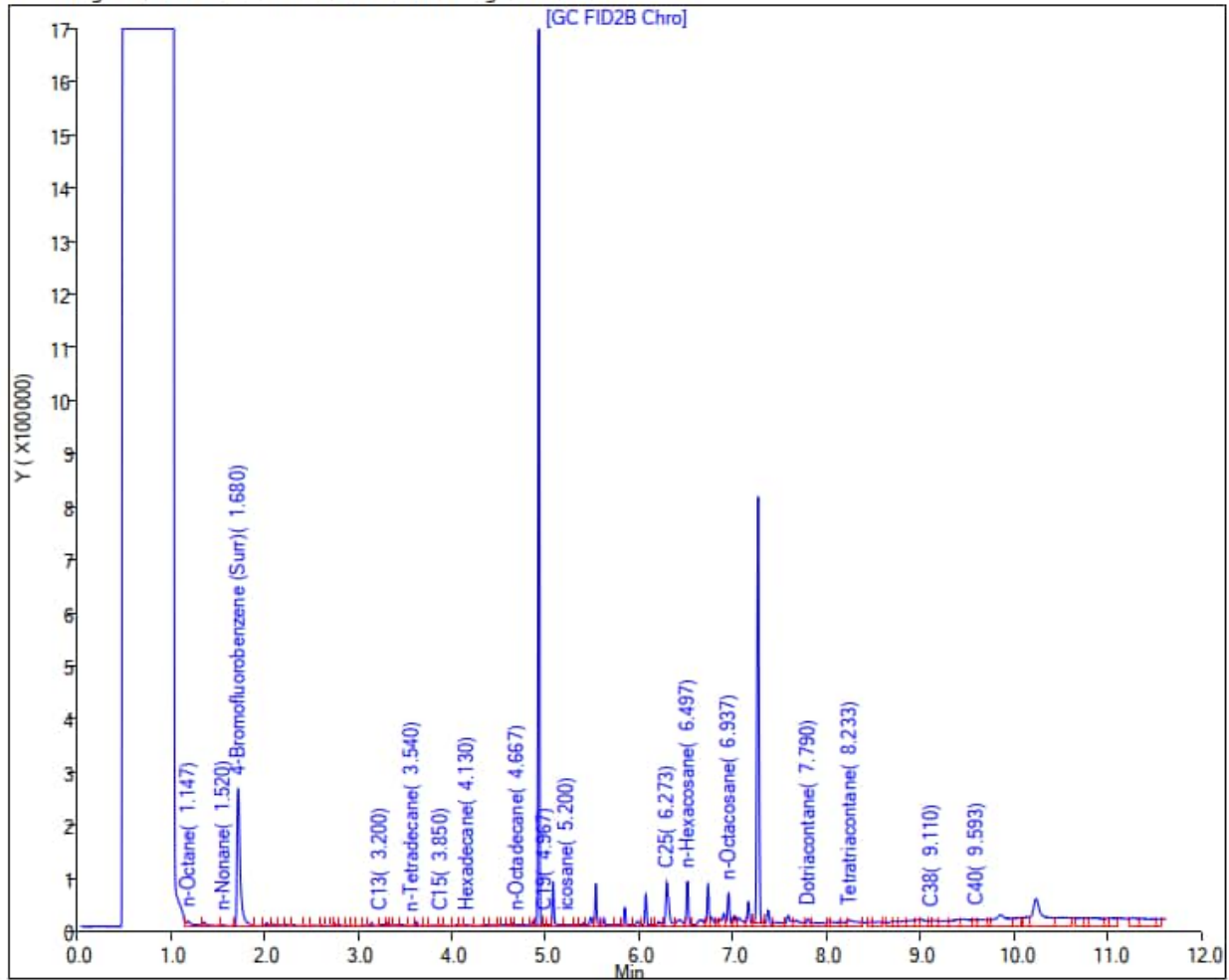
Results (ug/L): TPH-d (C10 to C24) <98 U

TPH-o (C24 to C40) <290 U

Report Date: 14-Dec-2022 14:04:11

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221213-86239.b\121322A007.D
Injection Date: 13-Dec-2022 12:48:01 Instrument ID: TAC129_R
Lims ID: 580-121044-N-1-A Lab Sample ID: 580-121044-1
Client ID: RHMW04-WGN01B-2212WK1
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2212WK1

Sample Date: 12/7/2022

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) 200 J

Report Date: 16-Dec-2022 20:28:40

Chrom Revision: 2.3 16-Dec-2022 13:58:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221216-86294.b\121622A020.D

Injection Date: 16-Dec-2022 13:24:53

Instrument ID: TAC129

Lims ID: 580-121044-O-3-A

Lab Sample ID: 580-121044-3

Client ID: RHMW04-WGFD01B-2212WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 35

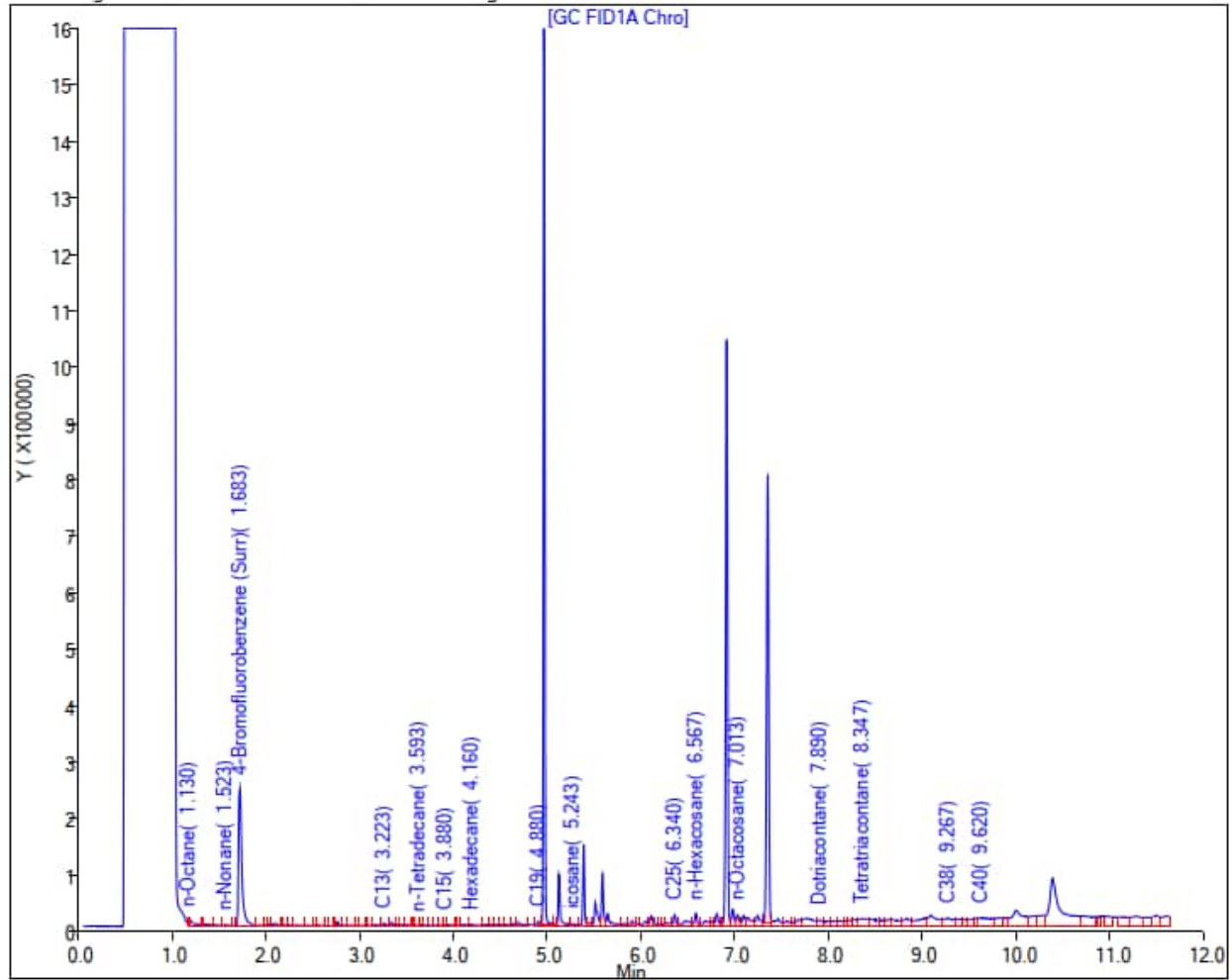
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <94 U

TPH-o SGC (C24 to C40) <280 U

Report Date: 14-Dec-2022 13:17:30

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221213-86240.b\121322A020.D

Injection Date: 13-Dec-2022 14:40:19

Instrument ID: TAC129

Lims ID: 580-121044-N-3-B

Lab Sample ID: 580-121044-3

Client ID: RHMW04-WGFD01B-2212WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 25

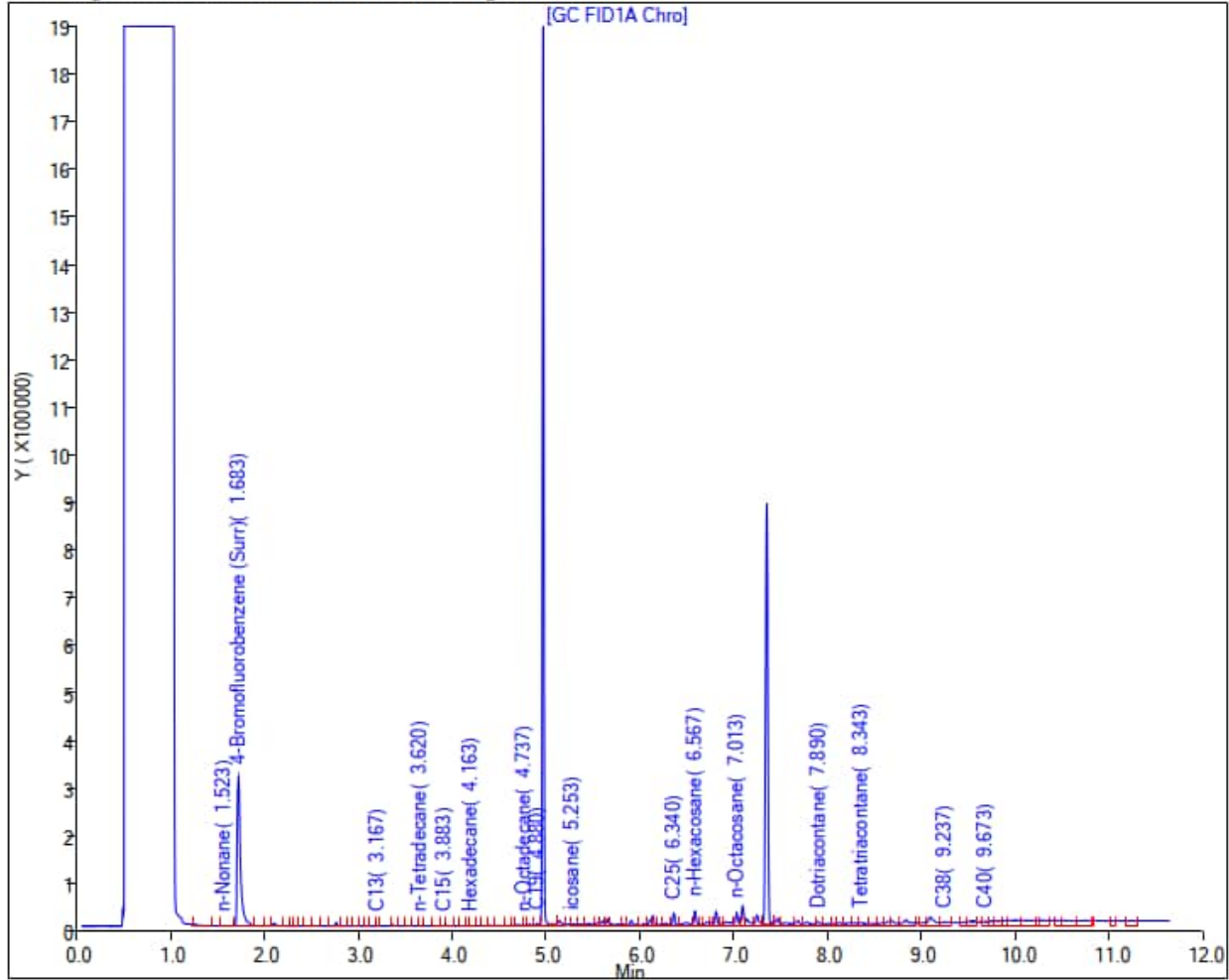
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN01B-2212WK3

Sample Date: 12/23/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 04-Jan-2023 14:44:31

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230103-86496.b\010323A037.D

Injection Date: 03-Jan-2023 18:45:18

Instrument ID: TAC129_R

Lims ID: 580-121570-F-6-A

Lab Sample ID: 580-121570-6

Client ID: RHMW04-WGN01B-2212WK3

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 25

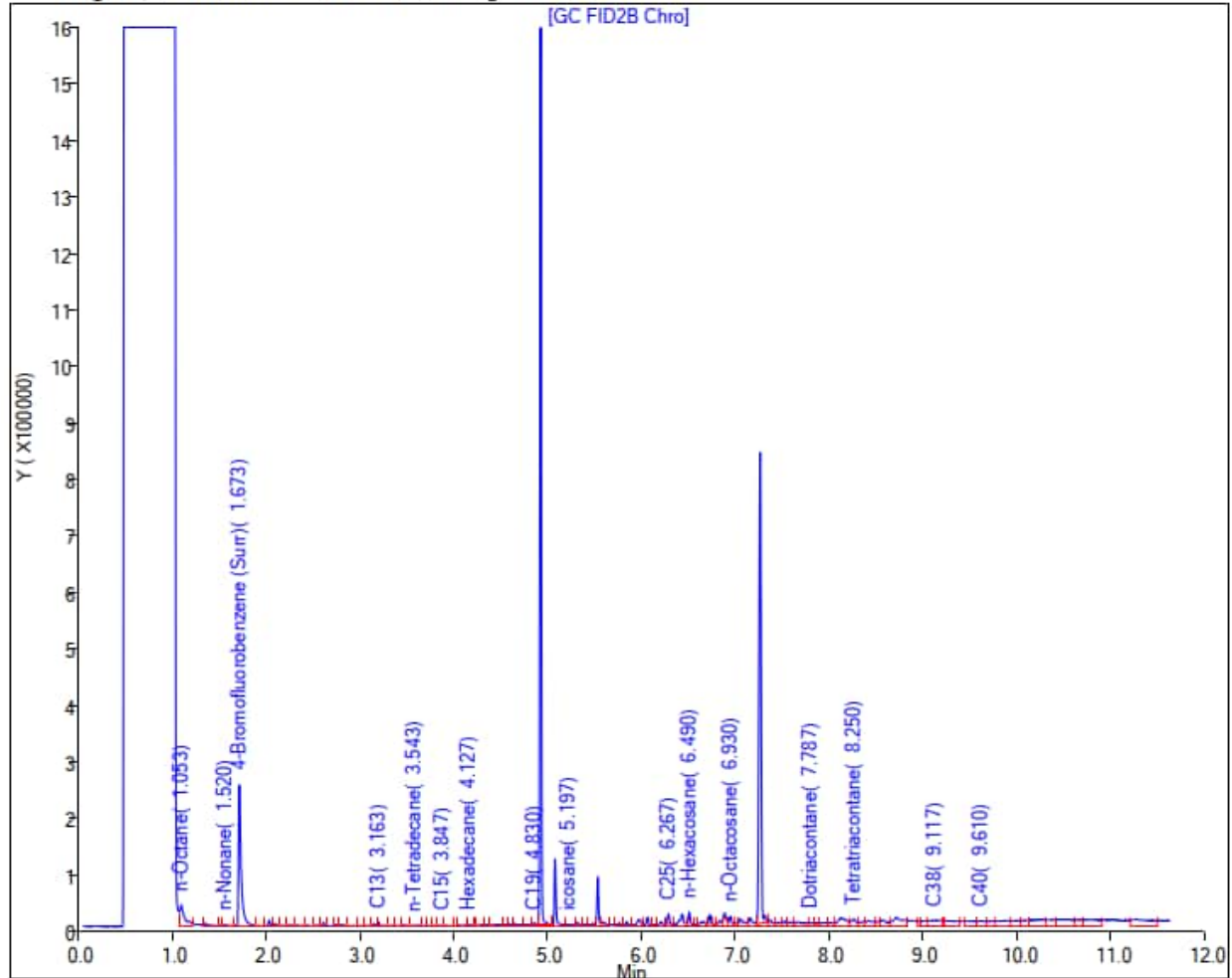
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2212WK3

Sample Date: 12/23/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 04-Jan-2023 14:44:36

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230103-86496.b\010323A039.D

Injection Date: 03-Jan-2023 19:03:59

Instrument ID: TAC129_R

Lims ID: 580-121570-A-8-A

Lab Sample ID: 580-121570-8

Client ID: RHMW04-WGFD01B-2212WK3

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 26

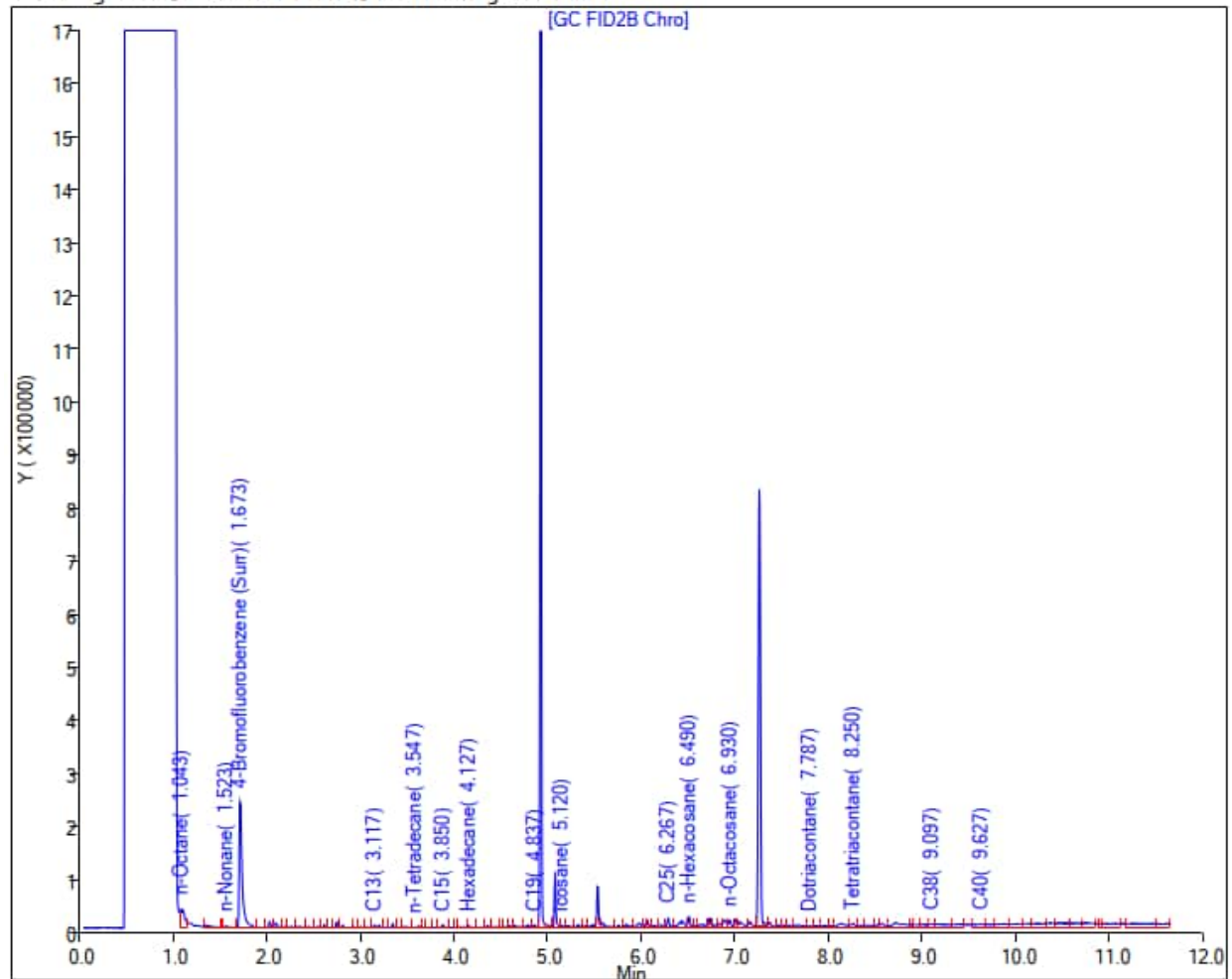
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN01B-2212WK4

Sample Date: 12/30/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 11-Jan-2023 14:12:13

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A051.D

Injection Date: 06-Jan-2023 20:41:46

Instrument ID: TAC129_R

Lims ID: 580-121747-E-13-A

Lab Sample ID: 580-121747-13

Client ID: RHMW04-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 55

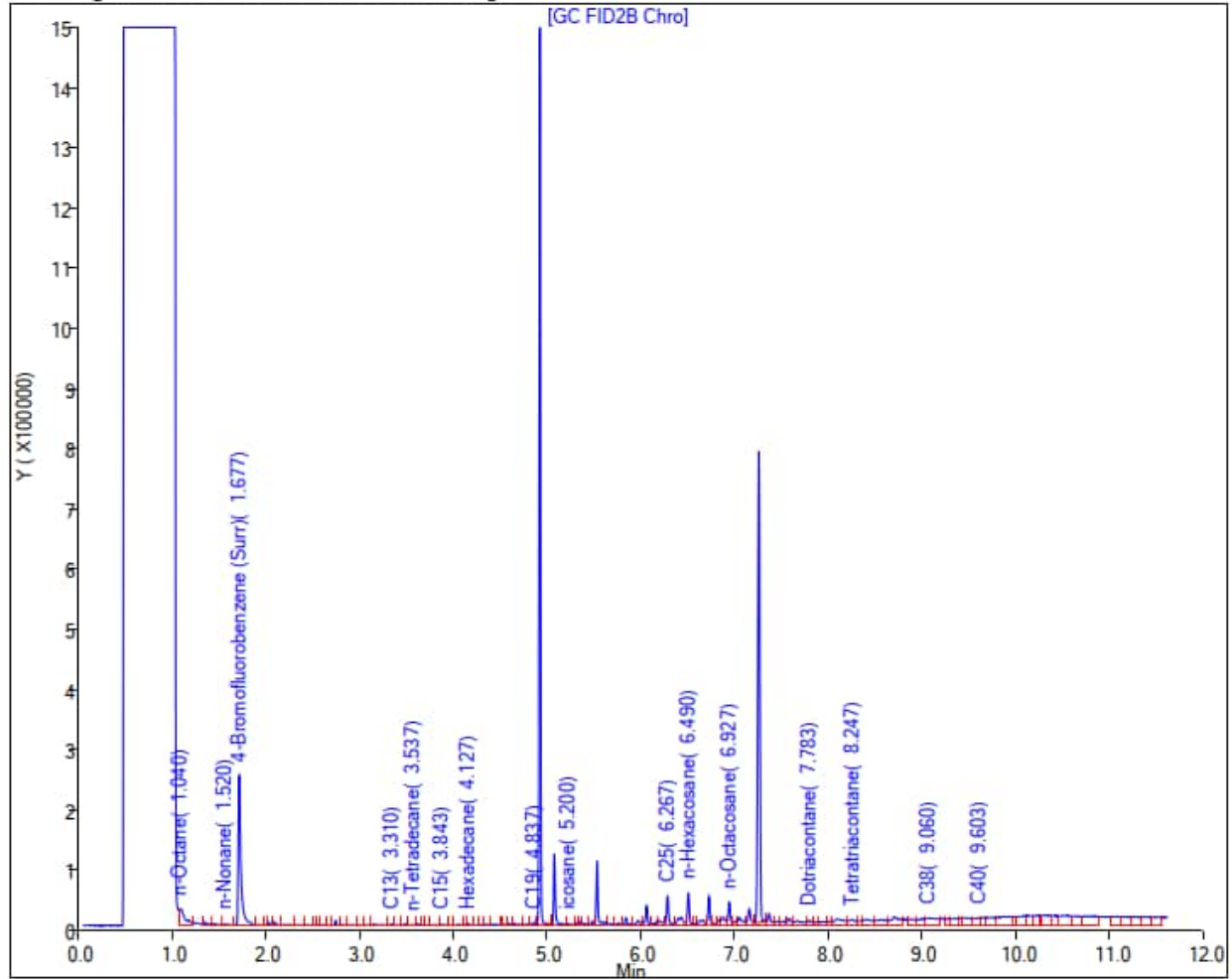
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2212WK4

Sample Date: 12/30/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 11-Jan-2023 14:12:16

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A053.D

Injection Date: 06-Jan-2023 21:00:29

Instrument ID: TAC129_R

Lims ID: 580-121747-A-15-A

Lab Sample ID: 580-121747-15

Client ID: RHMW04-WGFD01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 56

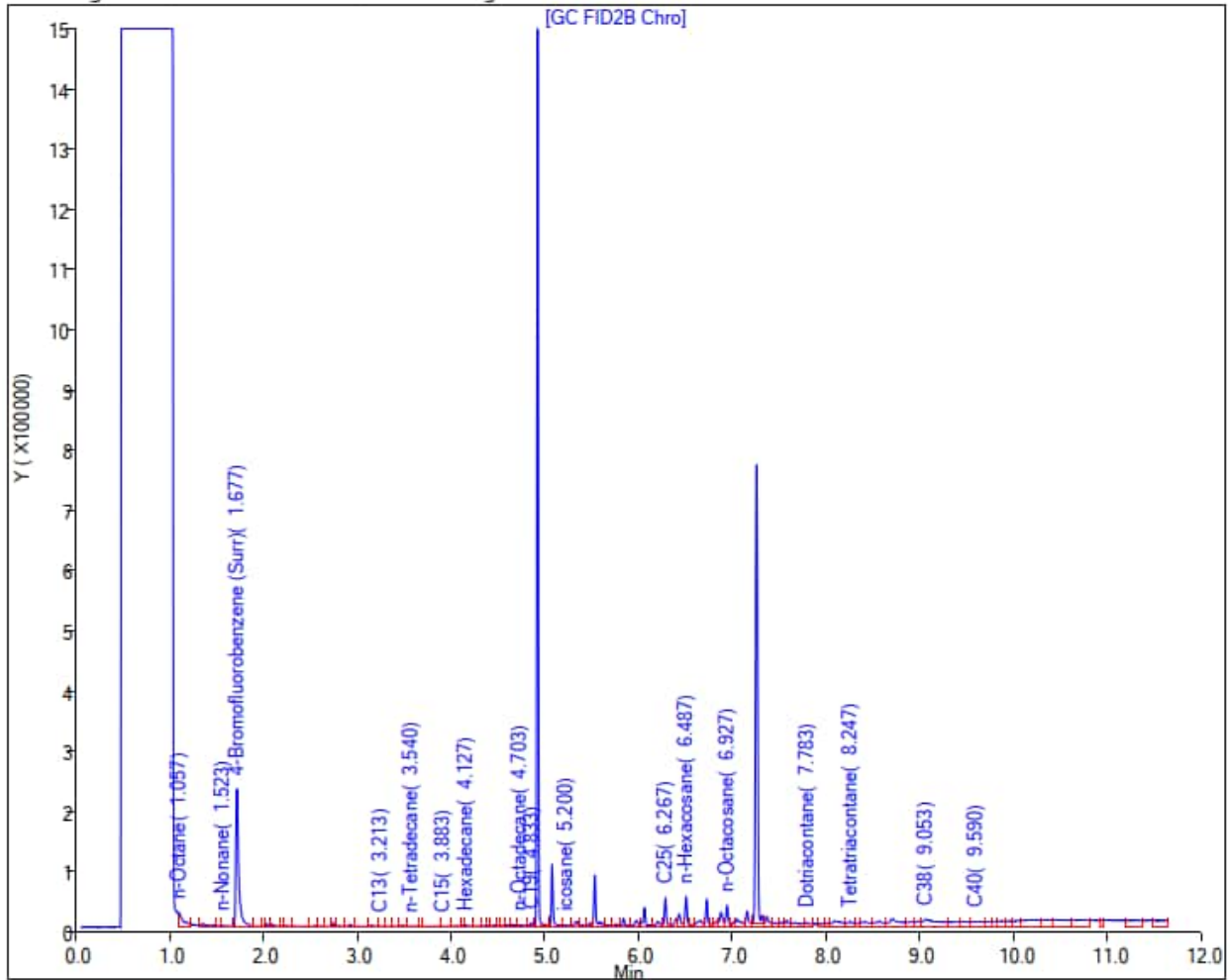
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN01B-2301WK1

Sample Date: 1/6/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 16-Jan-2023 11:30:00

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230114-86670.b\011423A051.D

Injection Date: 14-Jan-2023 22:51:04 Instrument ID: TAC129_R

Lims ID: 580-121982-N-9-A Lab Sample ID: 580-121982-9

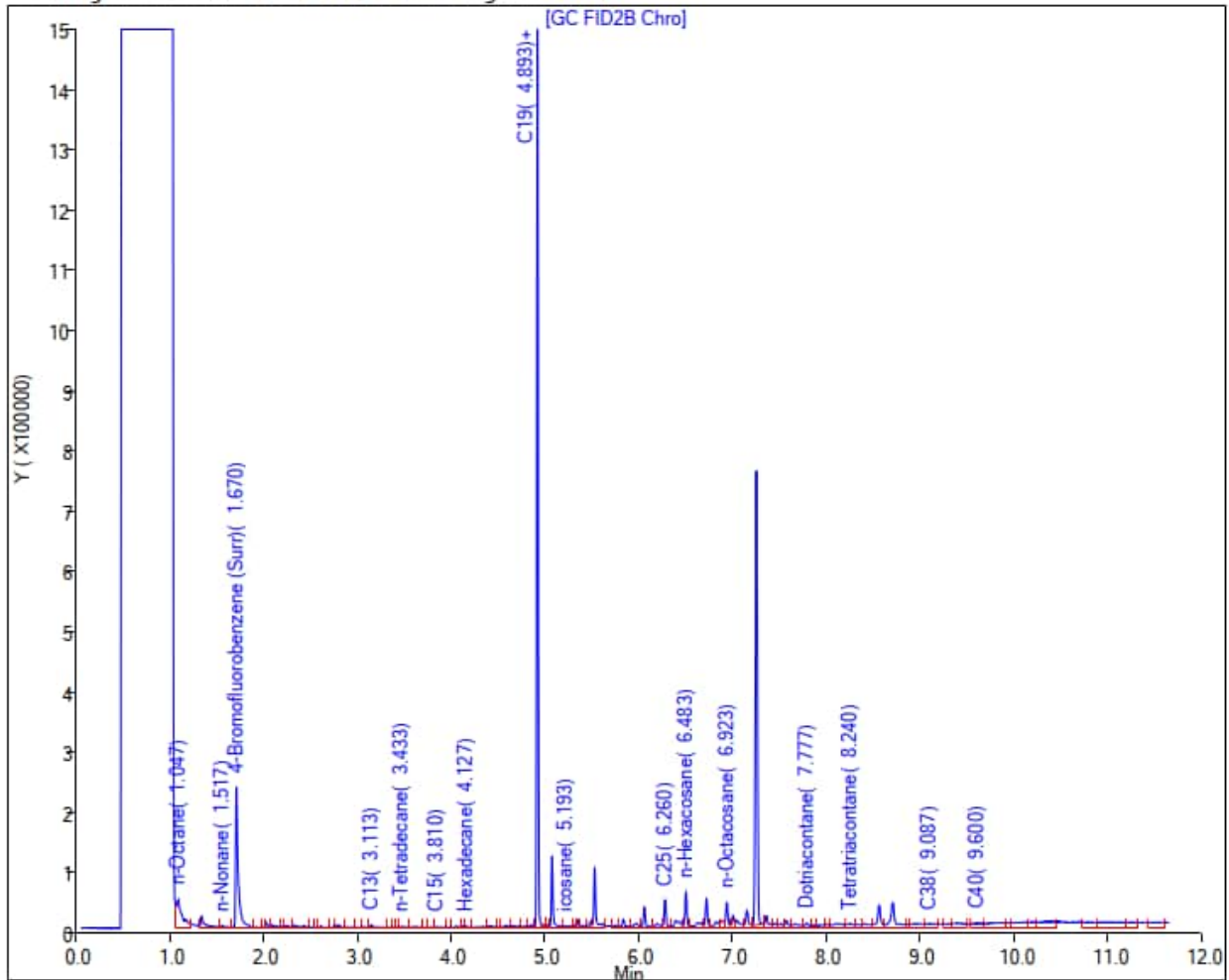
Client ID: RHMW04-WGN01B-2301WK1

Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 25

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2301WK1

Sample Date: 1/6/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 16-Jan-2023 11:30:17

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230114-86670.b\011423A057.D

Injection Date: 14-Jan-2023 23:47:06

Instrument ID: TAC129_R

Lims ID: 580-121982-J-11-A

Lab Sample ID: 580-121982-11

Client ID: RHMW04-WGFD01B-2301WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 28

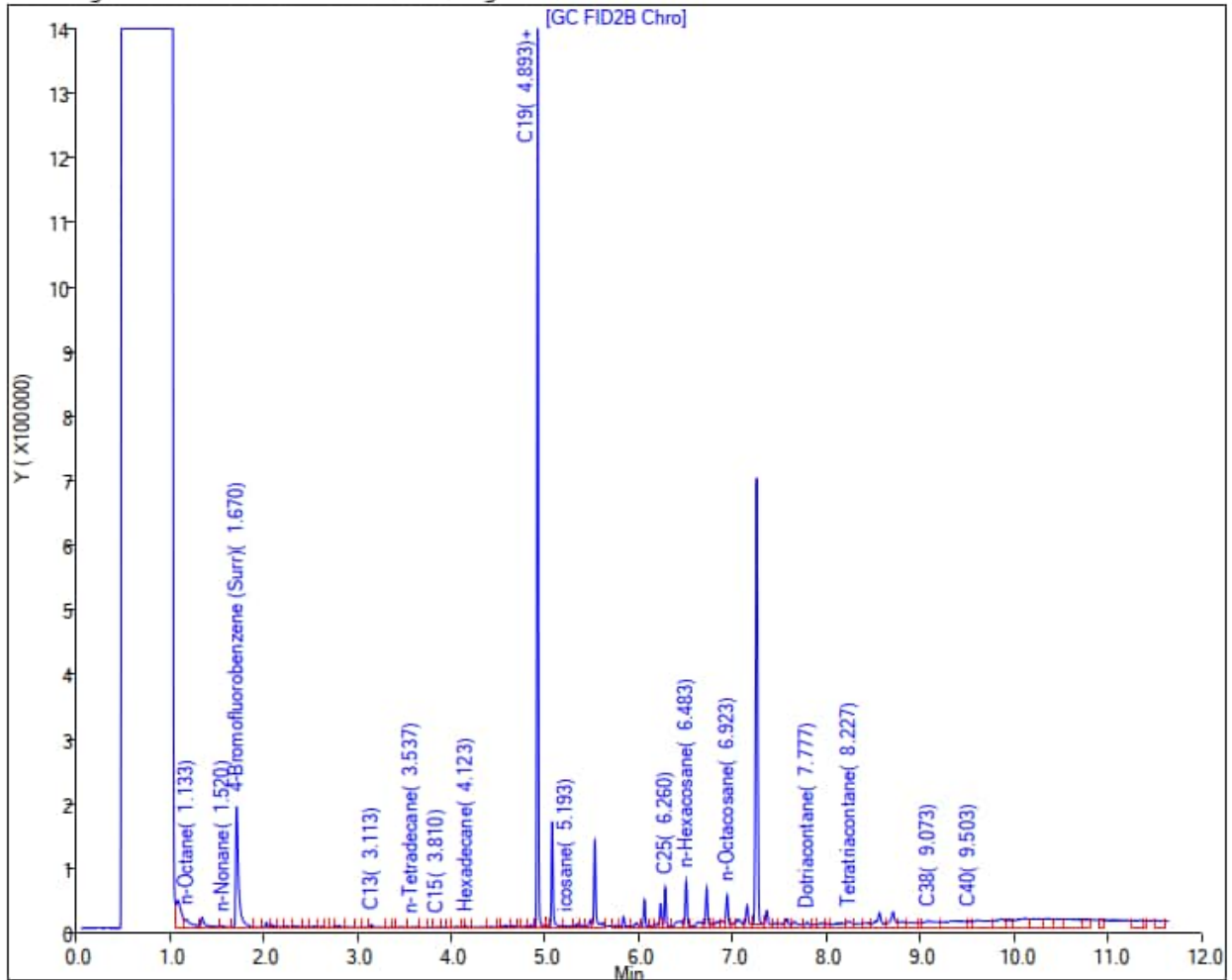
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN01B-2301WK2

Sample Date: 1/17/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 22-Jan-2023 16:56:28

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: \\chromfs\Seattle\ChromData\TAC020\20230120-86774.b\012023_010.D

Eurofins Seattle

Injection Date: 20-Jan-2023 22:39:42

Instrument ID: TAC020

Lims ID: 580-122261-N-1-A

Lab Sample ID: 580-122261-1

Client ID: RHMW04-WGN01B-2301WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 10

Injection Vol: 1.0 ul

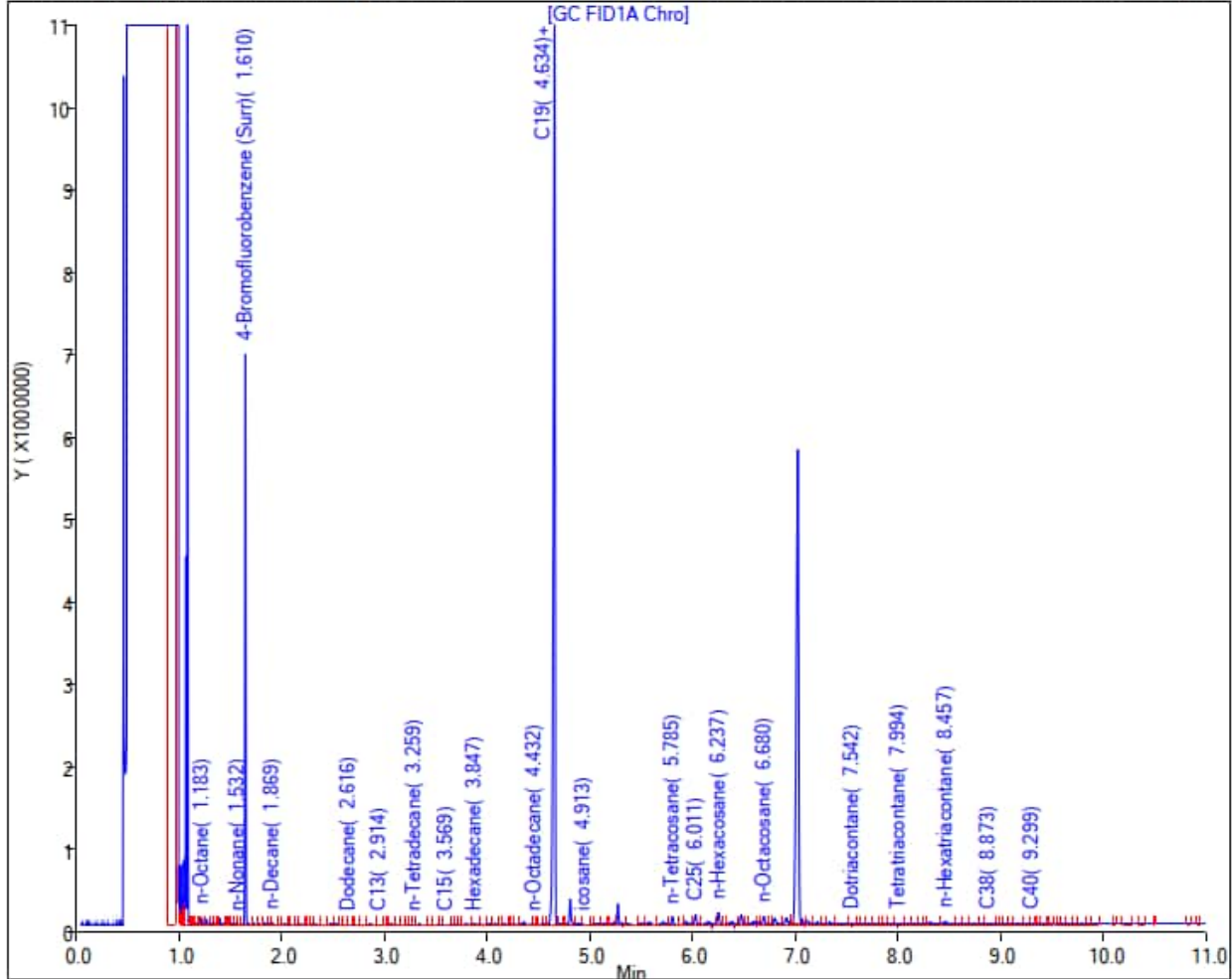
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2301WK2

Sample Date: 1/17/2023

Results (ug/L): TPH-d (C10 to C24) 80 J

TPH-o (C24 to C40) <300 U

Report Date: 22-Jan-2023 16:56:40

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230120-86774.b\012023_011.D

Injection Date: 20-Jan-2023 22:59:50

Instrument ID: TAC020

Lims ID: 580-122261-O-3-A

Lab Sample ID: 580-122261-3

Client ID: RHMW04-WGFD01B-2301WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 11

Injection Vol: 1.0 ul

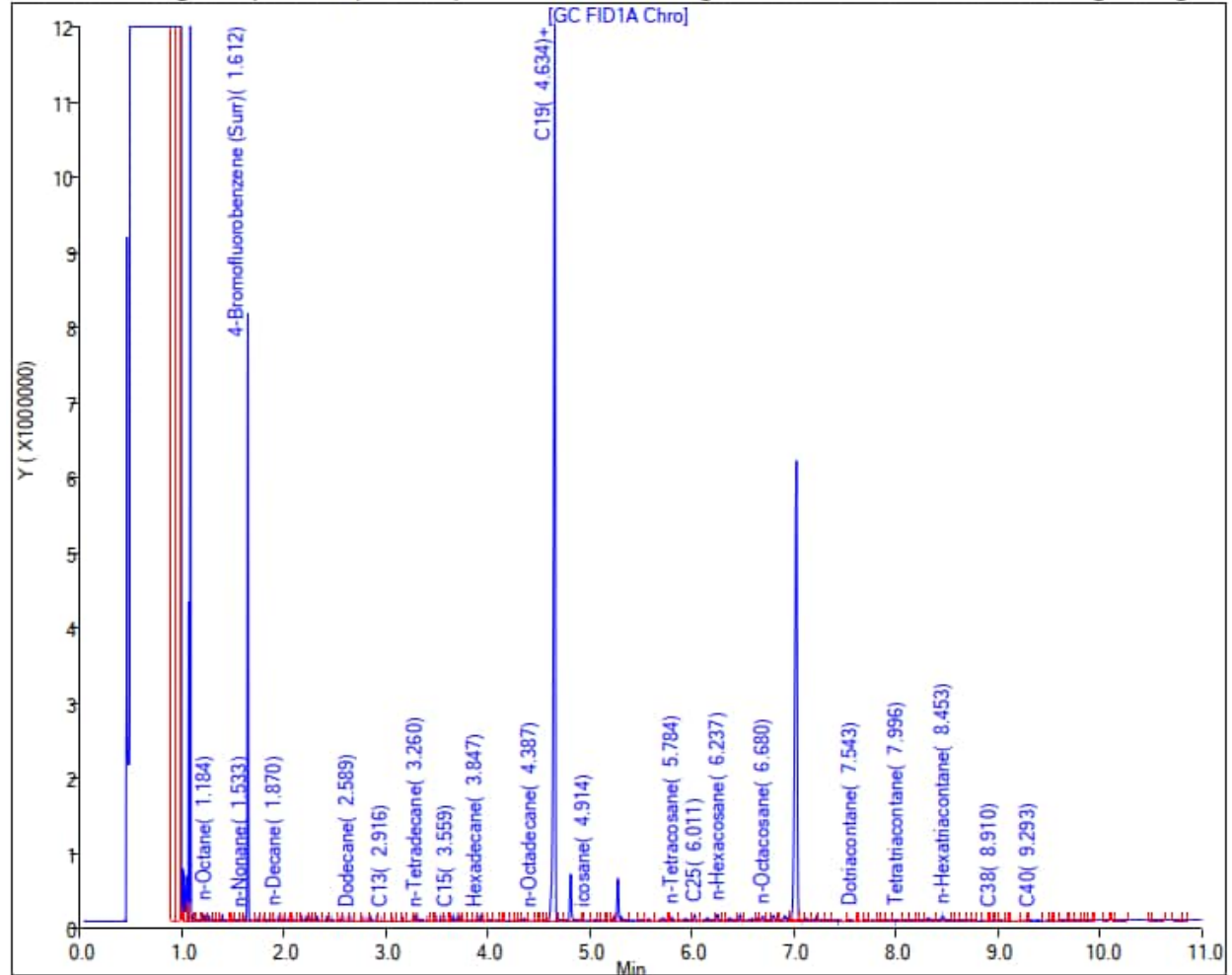
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 26-Jan-2023 08:12:33

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230125-86822.b\012523A014.D

Injection Date: 25-Jan-2023 20:57:34

Instrument ID: TAC129

Lims ID: 580-122261-O-3-B

Lab Sample ID: 580-122261-3

Client ID: RHMW04-WGFD01B-2301WK2

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 7

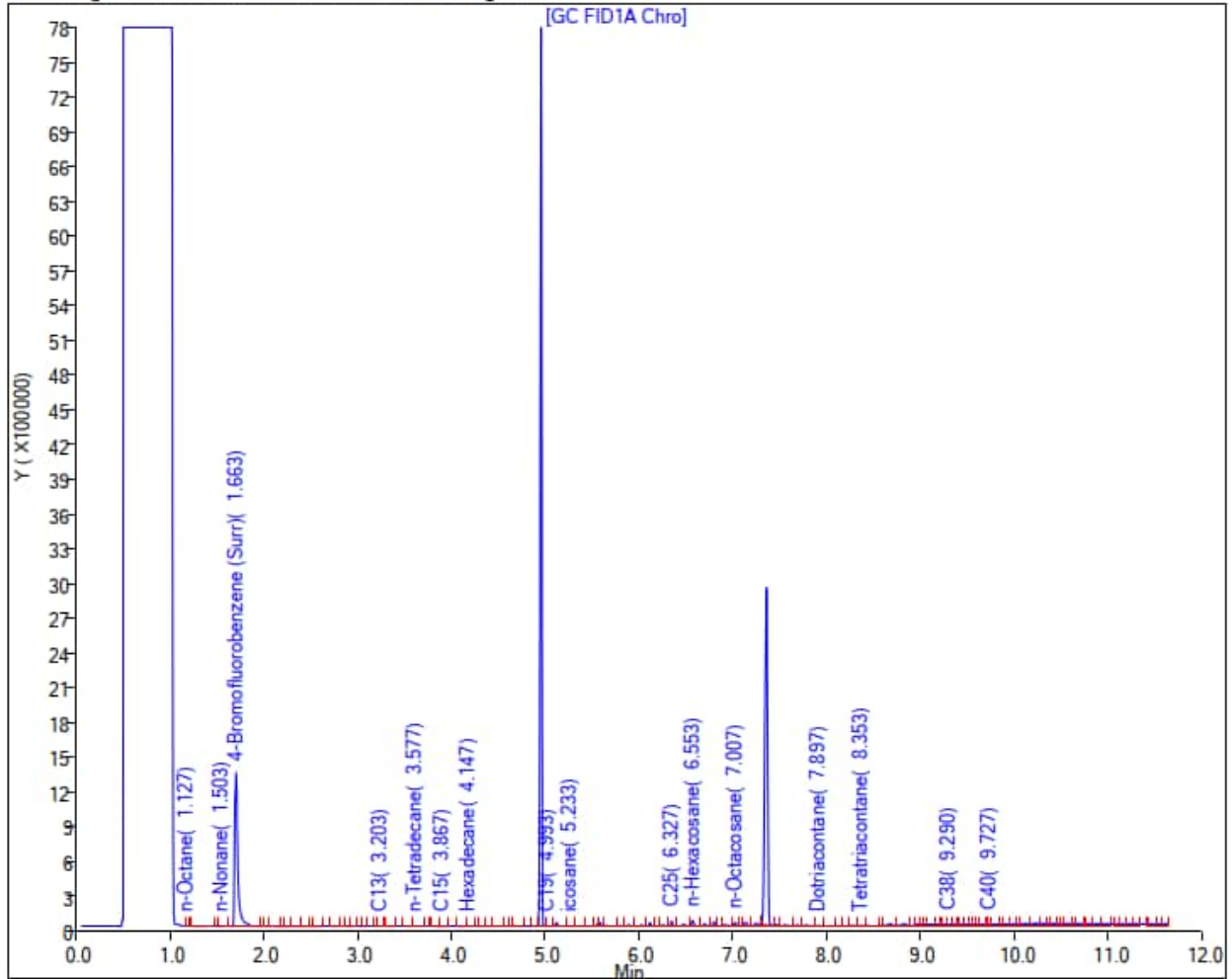
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN01B-2301WK3

Sample Date: 1/20/2023

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <310 U

Report Date: 03-Feb-2023 08:37:31

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230202-86914.b\020223A039.D

Injection Date: 02-Feb-2023 15:40:39

Instrument ID: TAC129_R

Lims ID: 580-122586-N-1-A

Lab Sample ID: 580-122586-1

Client ID: RHMW04-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 20

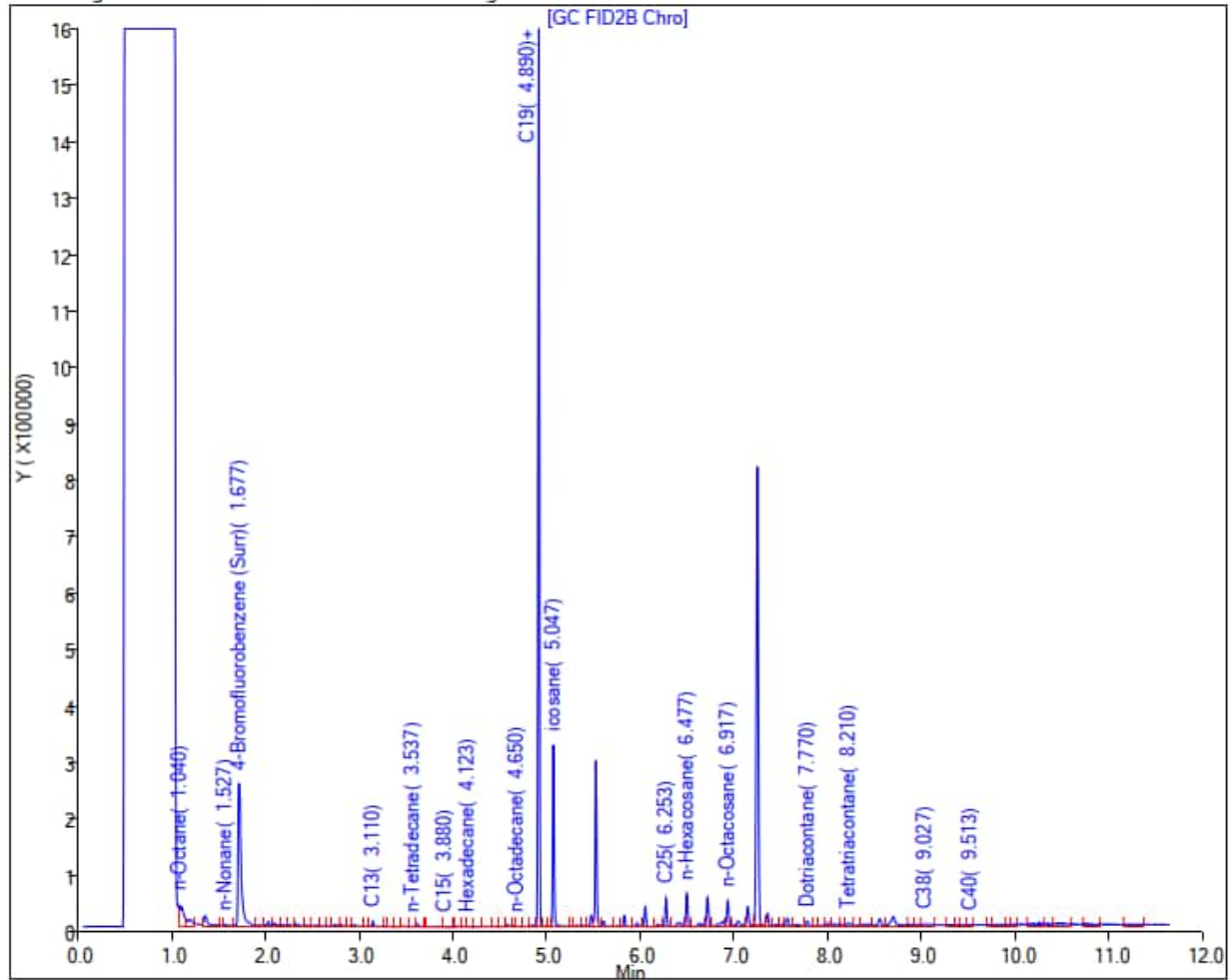
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2301WK3

Sample Date: 1/20/2023

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <310 UJ

Report Date: 03-Feb-2023 08:37:34

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230202-86914.b\020223A041.D

Injection Date: 02-Feb-2023 15:59:33

Instrument ID: TAC129_R

Lims ID: 580-122586-J-3-A

Lab Sample ID: 580-122586-3

Client ID: RHMW04-WGFD01B-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 21

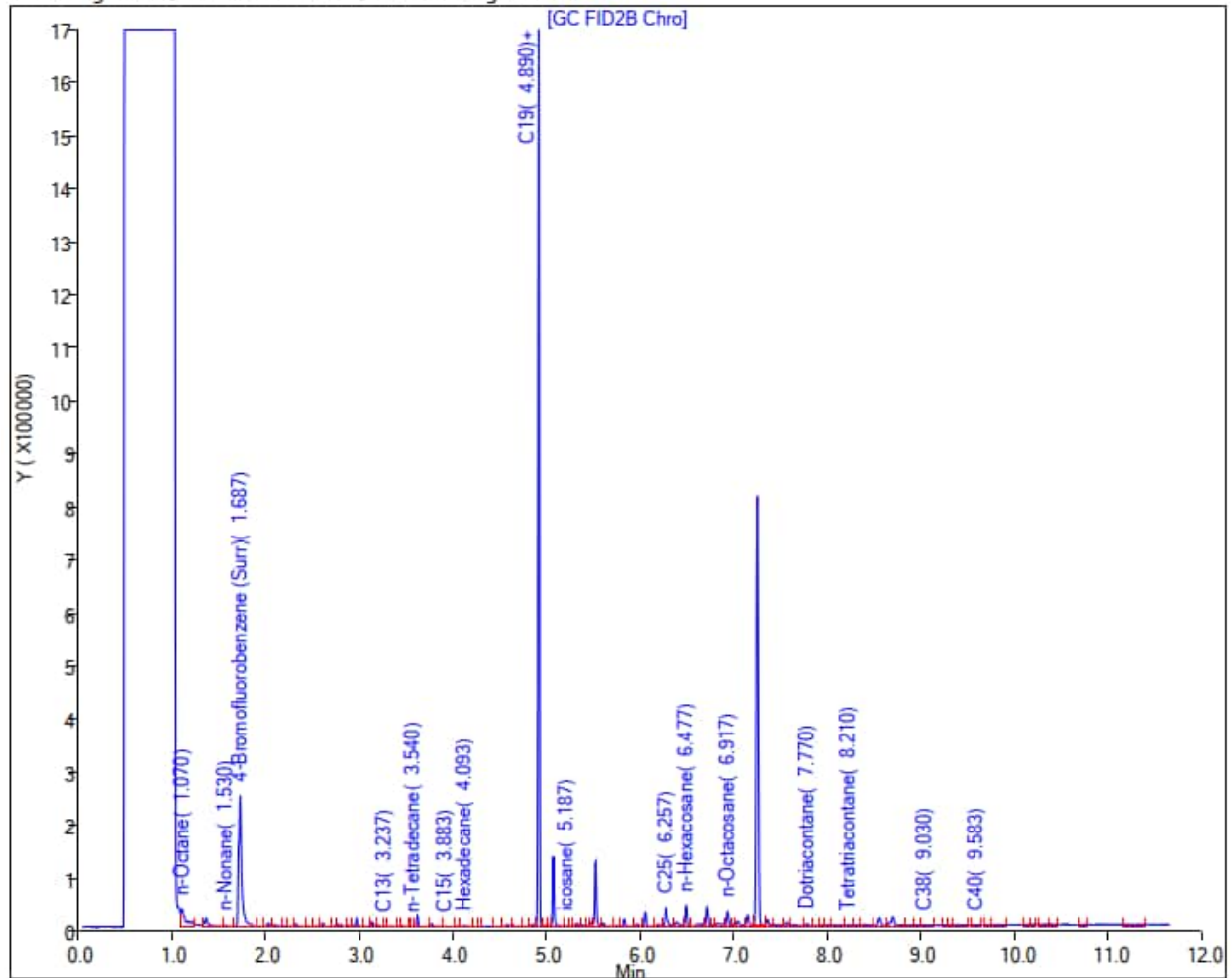
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2211WK1

Sample Date: 11/8/2022

Results (ug/L): TPH-d (C10 to C24) 140 J

TPH-o (C24 to C40) 300 J

Report Date: 15-Nov-2022 19:15:52

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85802.b\1114aa22A029.D

Injection Date: 15-Nov-2022 03:01:22

Instrument ID: TAC129_R

Lims ID: 580-119865-O-12-A

Lab Sample ID: 580-119865-12

Client ID: RHMW05-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 15

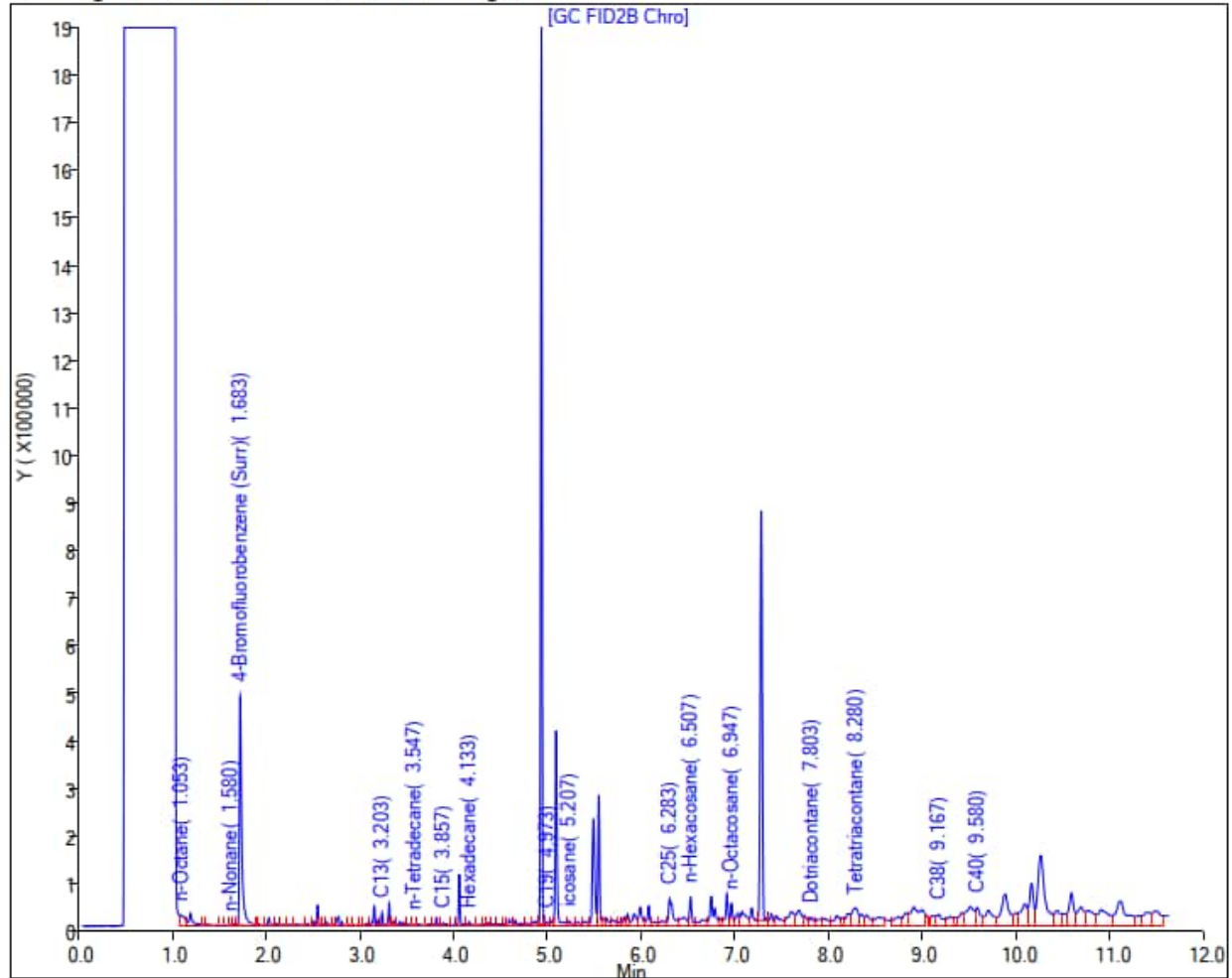
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 84 J

TPH-o SGC (C24 to C40) <310 U

Report Date: 16-Nov-2022 11:22:47

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221115-85803.b\1115ab22_010.D

Injection Date: 16-Nov-2022 00:26:30

Instrument ID: TAC020

Lims ID: 580-119865-O-12-C

Lab Sample ID: 580-119865-12

Client ID: RHMW05-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 9 Worklist Smp#: 26

Injection Vol: 1.0 ul

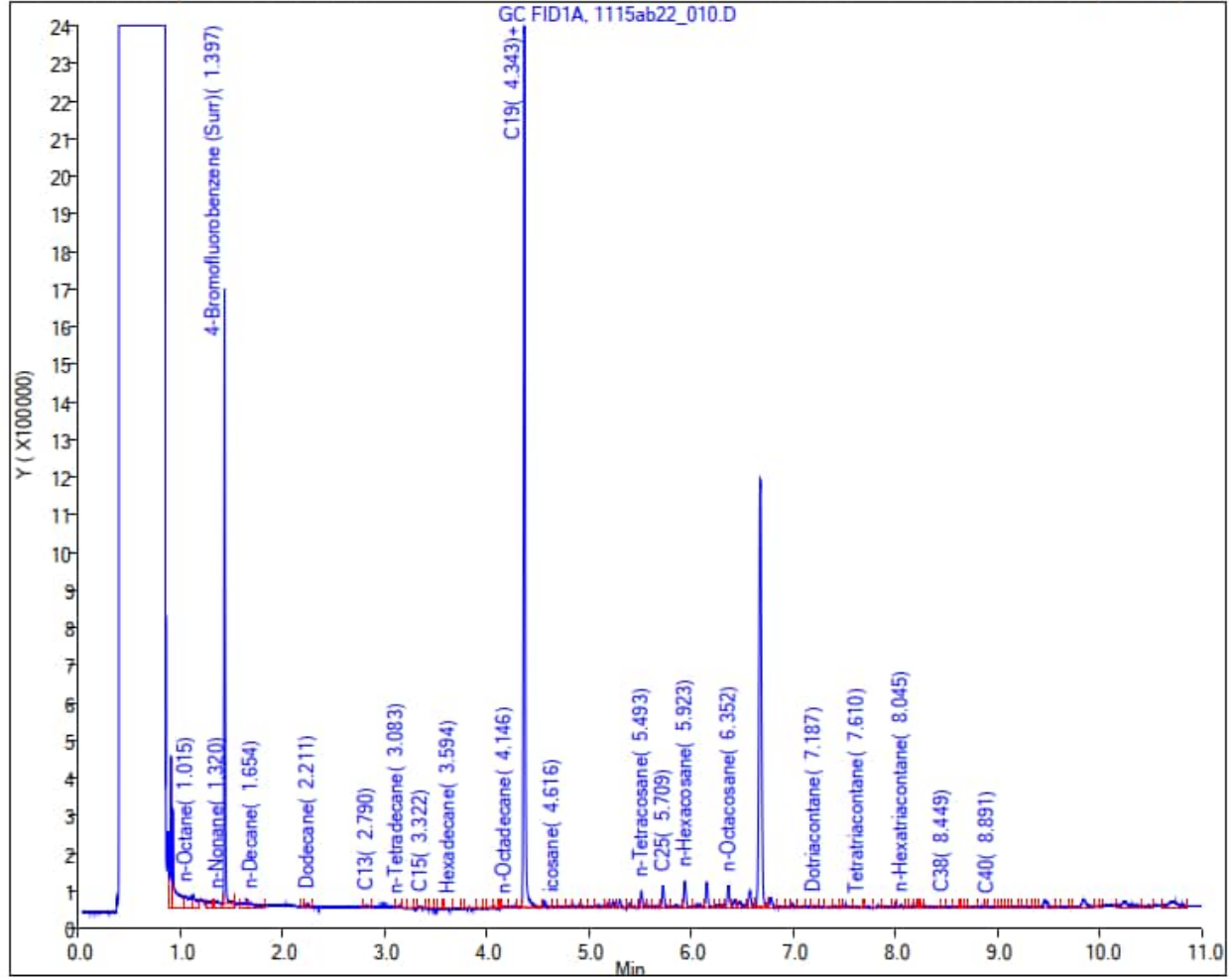
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN02B-2211WK1

Sample Date: 11/10/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310

Report Date: 17-Nov-2022 11:38:40

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Data File: \\chromfs\Seattle\ChromData\TAC129\20221116-85833.b\1116z22A046.D

Eurofins Seattle

Injection Date: 17-Nov-2022 04:53:21

Instrument ID: TAC129

Lims ID: 580-119993-N-1-A

Lab Sample ID: 580-119993-1

Client ID: RHMW05-WGN02B-2211WK1

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 29

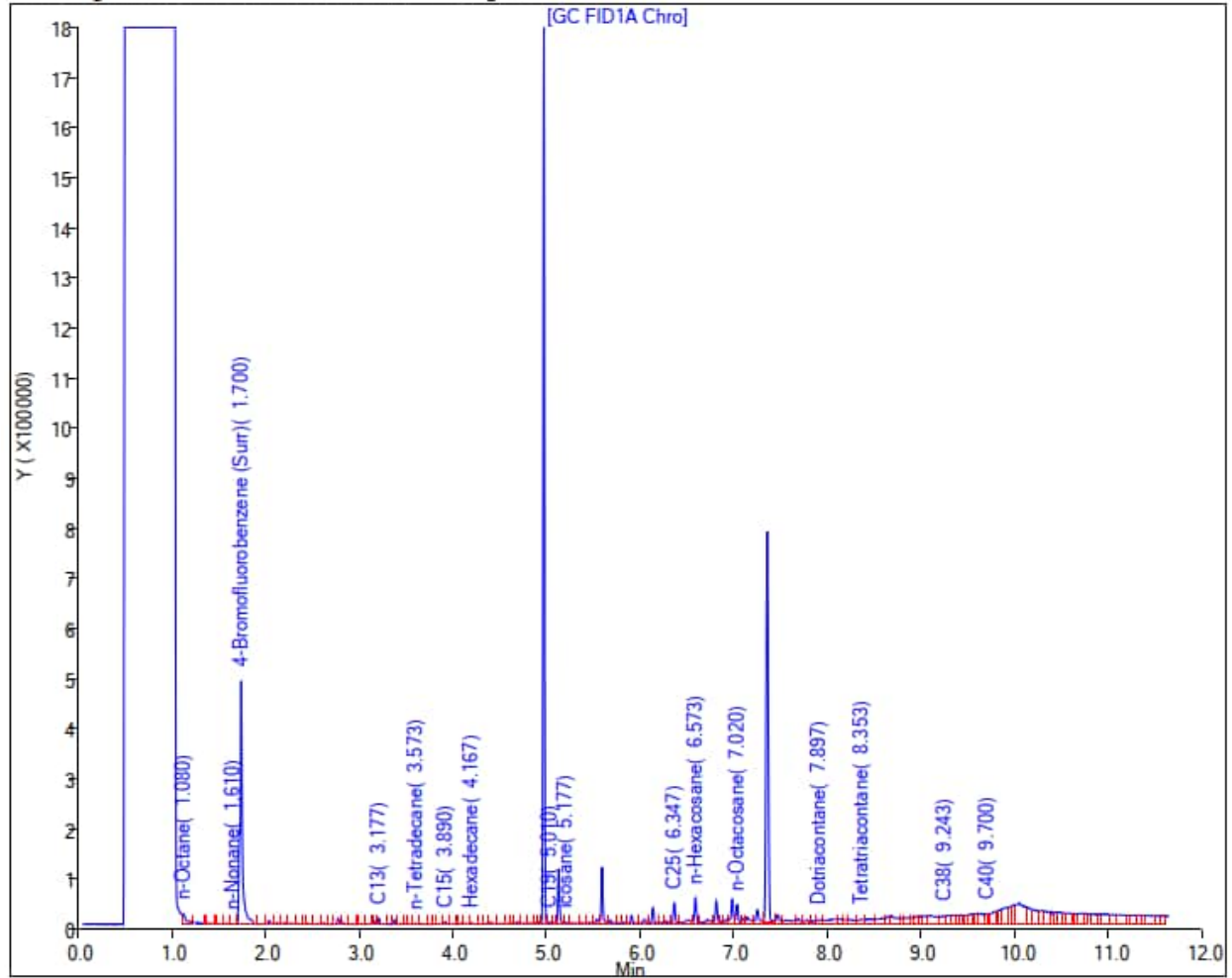
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2211WK2

Sample Date: 11/15/2022

Results (ug/L): TPH-d (C10 to C24) 230

TPH-o (C24 to C40) 180 J

Report Date: 22-Nov-2022 15:00:03

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_021.D

Injection Date: 22-Nov-2022 00:23:30

Instrument ID: TAC020

Lims ID: 580-120153-O-13-A

Lab Sample ID: 580-120153-13

Client ID: RHMW05-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#: 20 Worklist Smp#: 20

Injection Vol: 1.0 ul

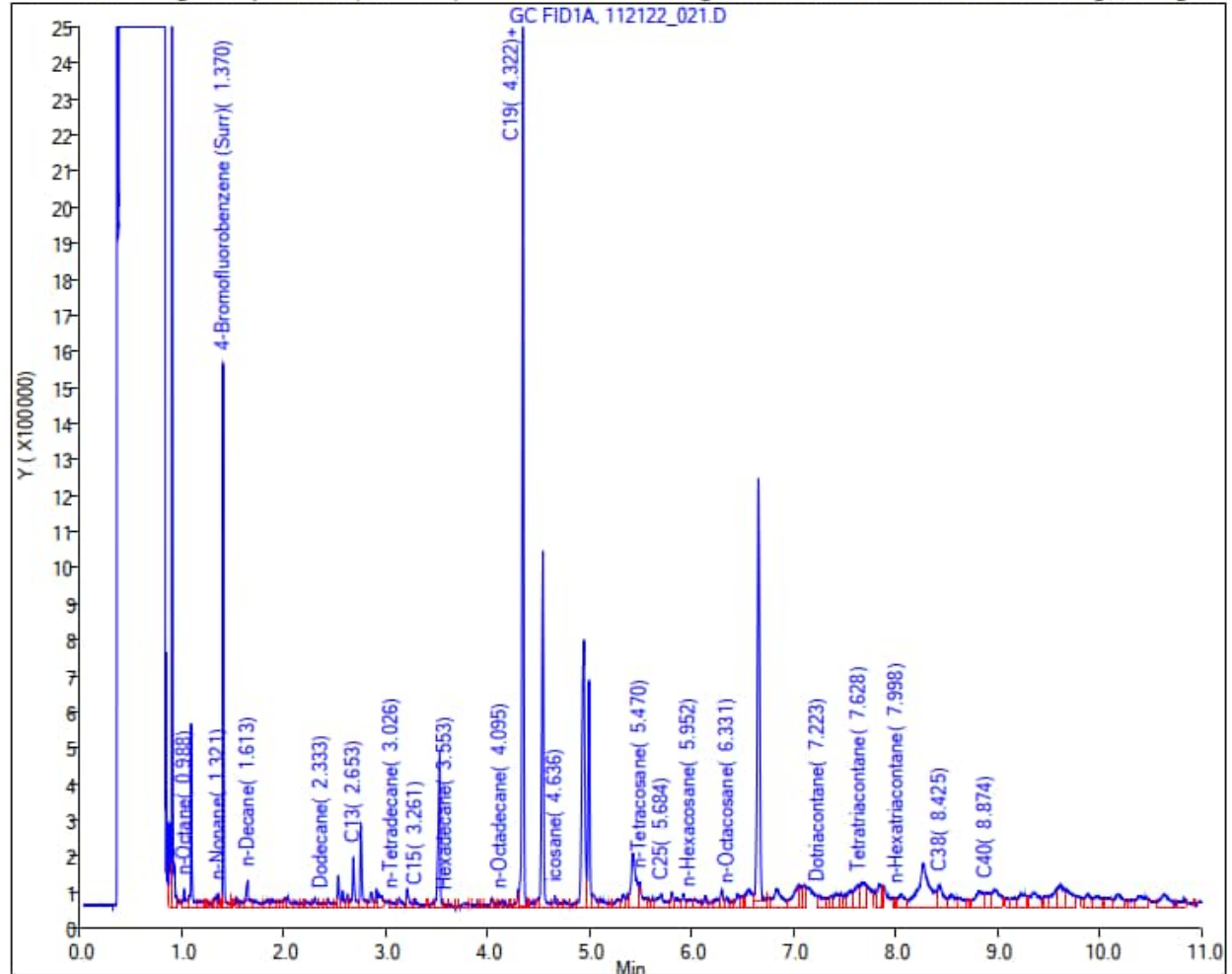
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 23-Nov-2022 12:59:57

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221122-85928.b\1122ab22A043.D

Injection Date: 22-Nov-2022 23:14:15

Instrument ID: TAC129_R

Lims ID: 580-120153-O-13-C

Lab Sample ID: 580-120153-13

Client ID: RHMW05-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#:

0

Worklist Smp#:

32

Injection Vol: 1.0 ul

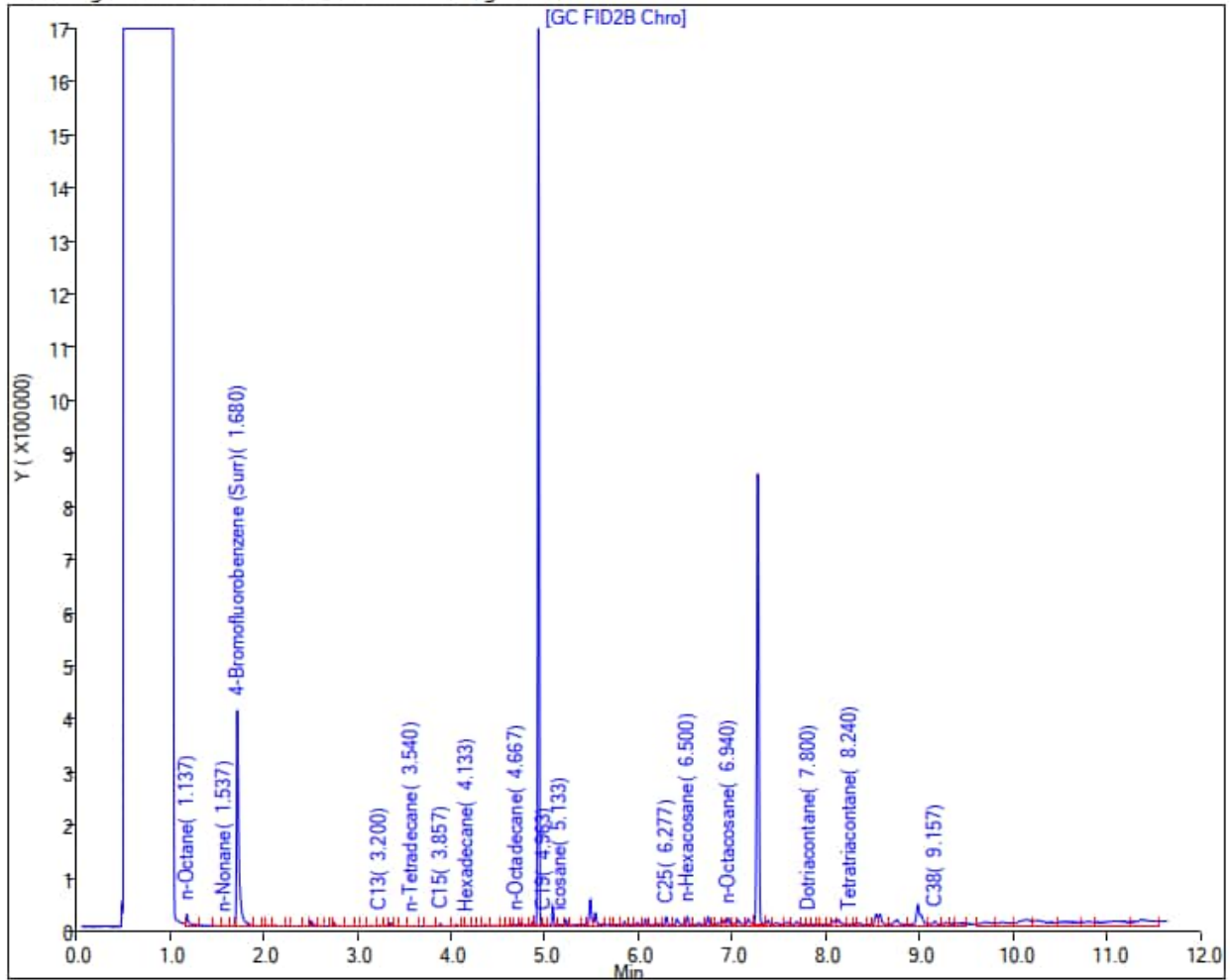
Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN02B-2211WK2

Sample Date: 11/17/2022

Results (ug/L): TPH-d (C10 to C24) 140

TPH-o (C24 to C40) 360

Report Date: 23-Nov-2022 12:55:04

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221122-85931.b\1122ab22A058.D

Injection Date: 23-Nov-2022 01:24:21

Instrument ID: TAC129

Lims ID: 580-120199-O-5-A

Lab Sample ID: 580-120199-5

Client ID: RHMW05-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 54

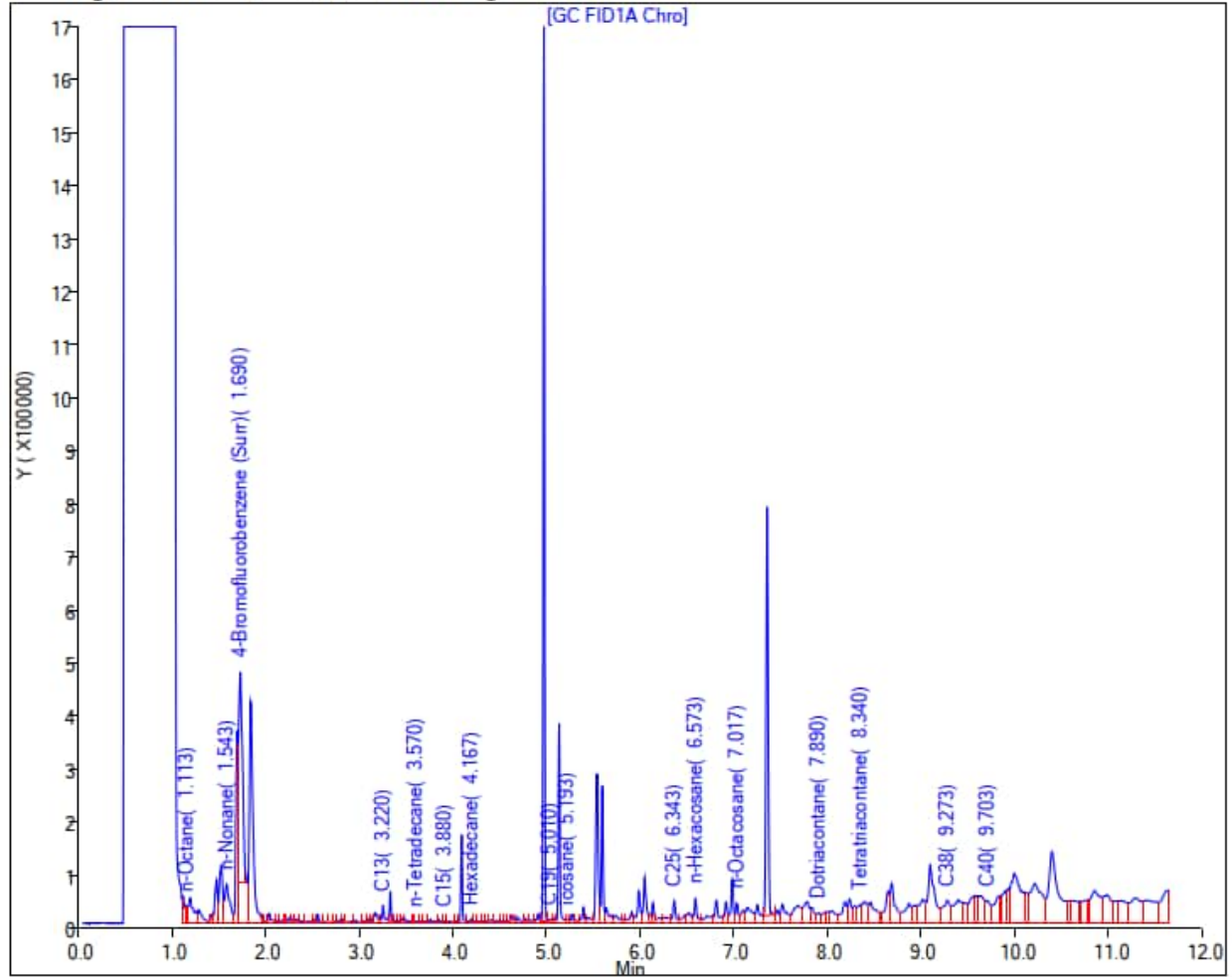
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 30-Nov-2022 14:21:08

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221129-86014.b\112922_012.D

Injection Date: 29-Nov-2022 22:24:30

Instrument ID: TAC020

Lims ID: 580-120199-O-5-B

Lab Sample ID: 580-120199-5

Client ID: RHMW05-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul

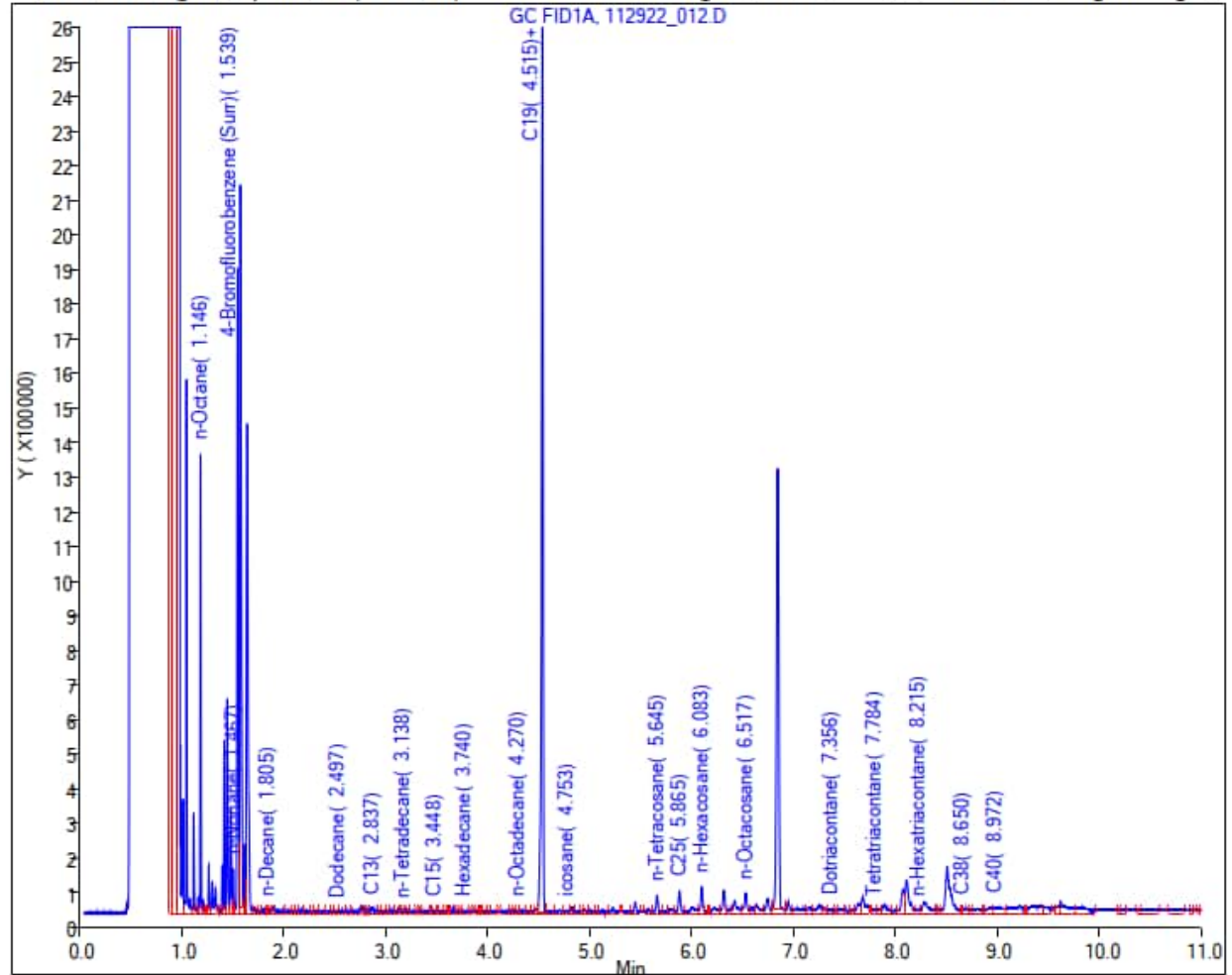
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2211WK3

Sample Date: 11/20/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 29-Nov-2022 13:14:01

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221128-85982.b\1128AA22A048.D

Injection Date: 28-Nov-2022 23:18:55

Instrument ID: TAC129

Lims ID: 580-120327-O-14-B

Lab Sample ID: 580-120327-14

Client ID: RHMW05-WGN01B-2211WK3

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 24

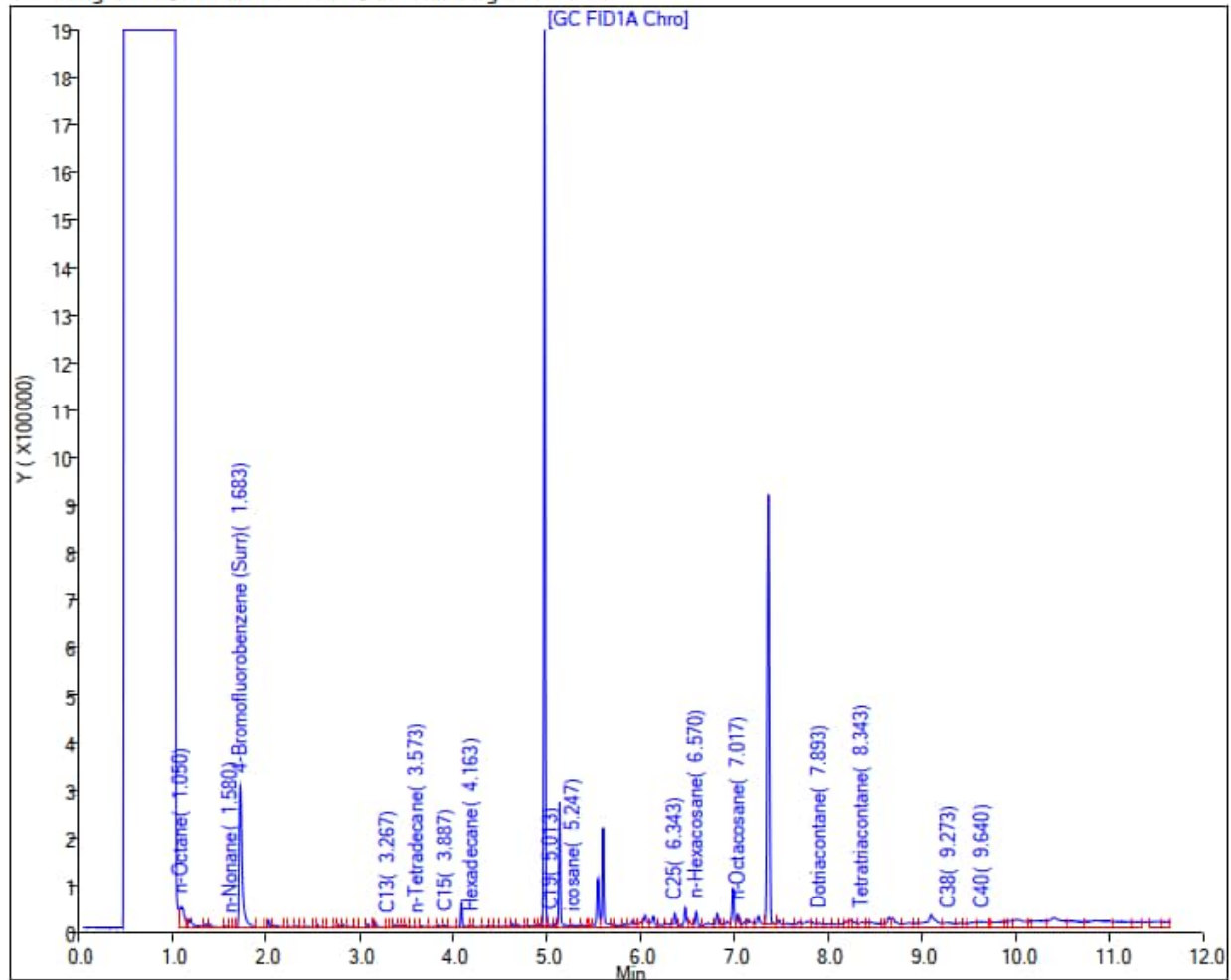
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2211WK4

Sample Date: 11/29/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 05-Dec-2022 14:24:44

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A019.D

Injection Date: 03-Dec-2022 20:53:22

Instrument ID: TAC129_R

Lims ID: 580-120540-N-7-A

Lab Sample ID: 580-120540-7

Client ID: RHMW05-WGN01B-2211WK4

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 10

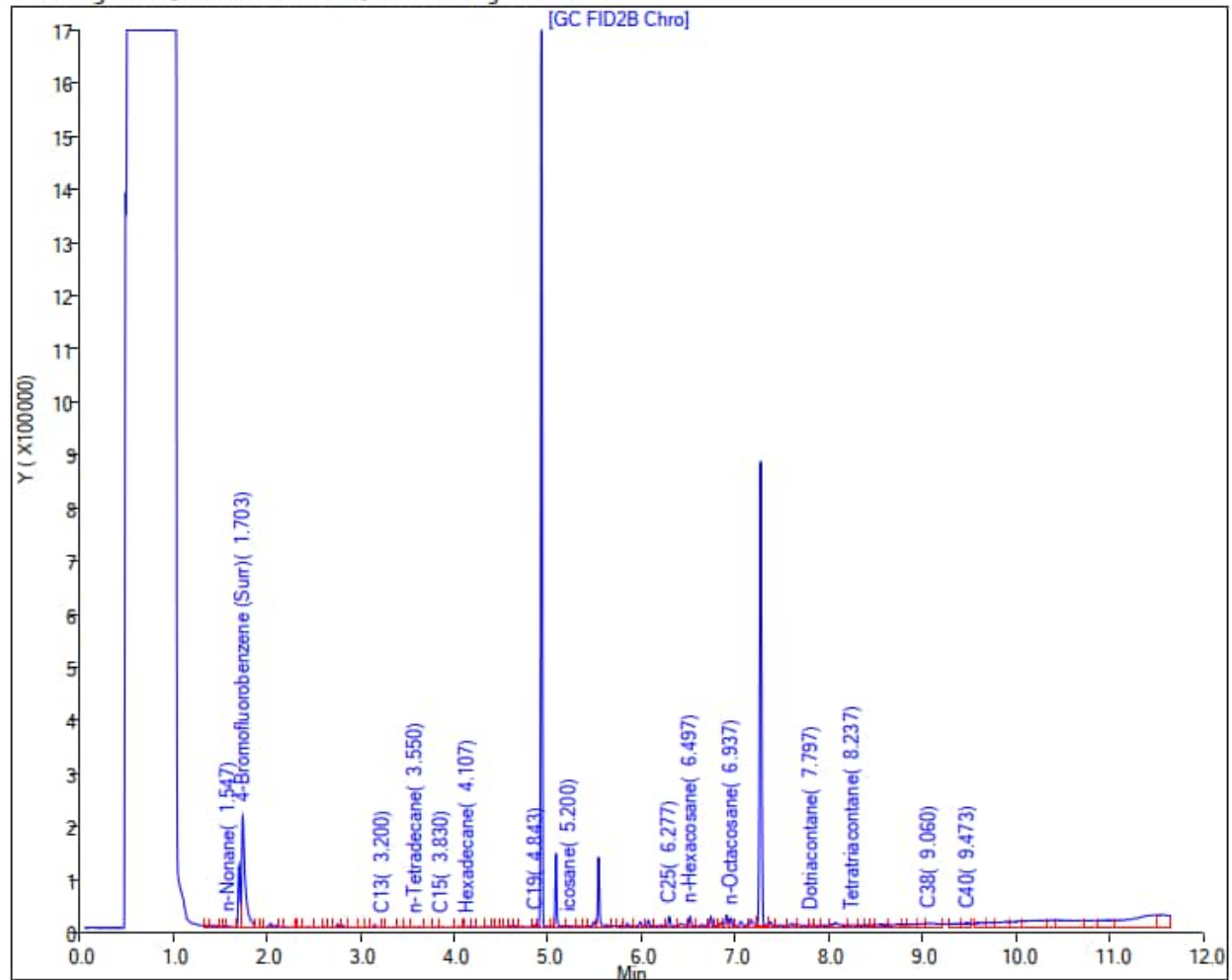
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2212WK3

Sample Date: 12/20/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 29-Dec-2022 14:32:28

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221228-86433.b\122822A013.D

Injection Date: 29-Dec-2022 00:11:30

Instrument ID: TAC129_R

Lims ID: 580-121497-O-1-A

Lab Sample ID: 580-121497-1

Client ID: RHMW05-WGN01B-2212WK3

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 7

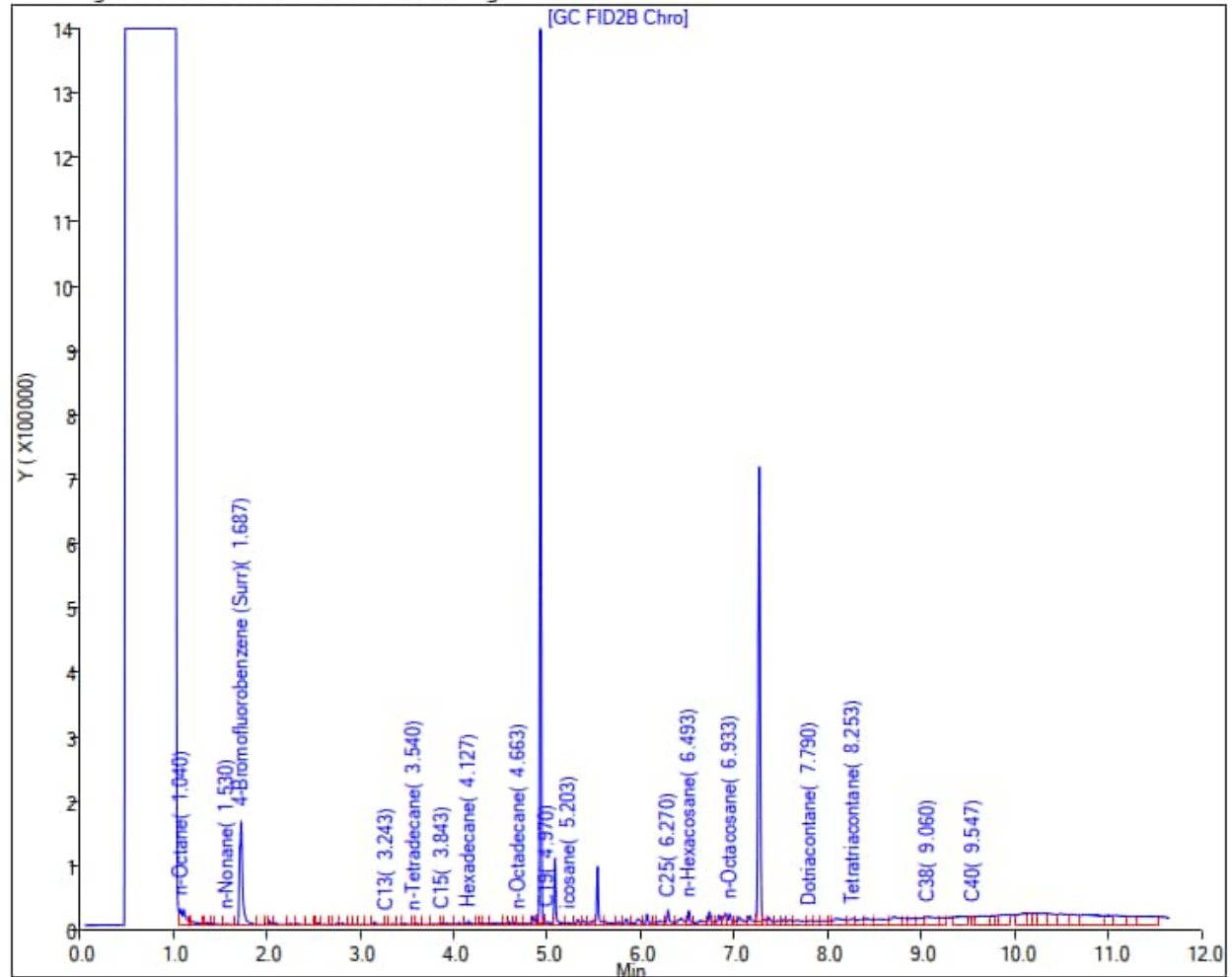
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2212WK4

Sample Date: 12/28/2022

Results (ug/L): TPH-d (C10 to C24) <100

TPH-o (C24 to C40) <300

Report Date: 06-Jan-2023 14:13:06

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A043.D

Injection Date: 05-Jan-2023 21:49:59

Instrument ID: TAC129_R

Lims ID: 580-121703-E-15-A

Lab Sample ID: 580-121703-15

Client ID: RHMW05-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0

Worklist Smp#: 37

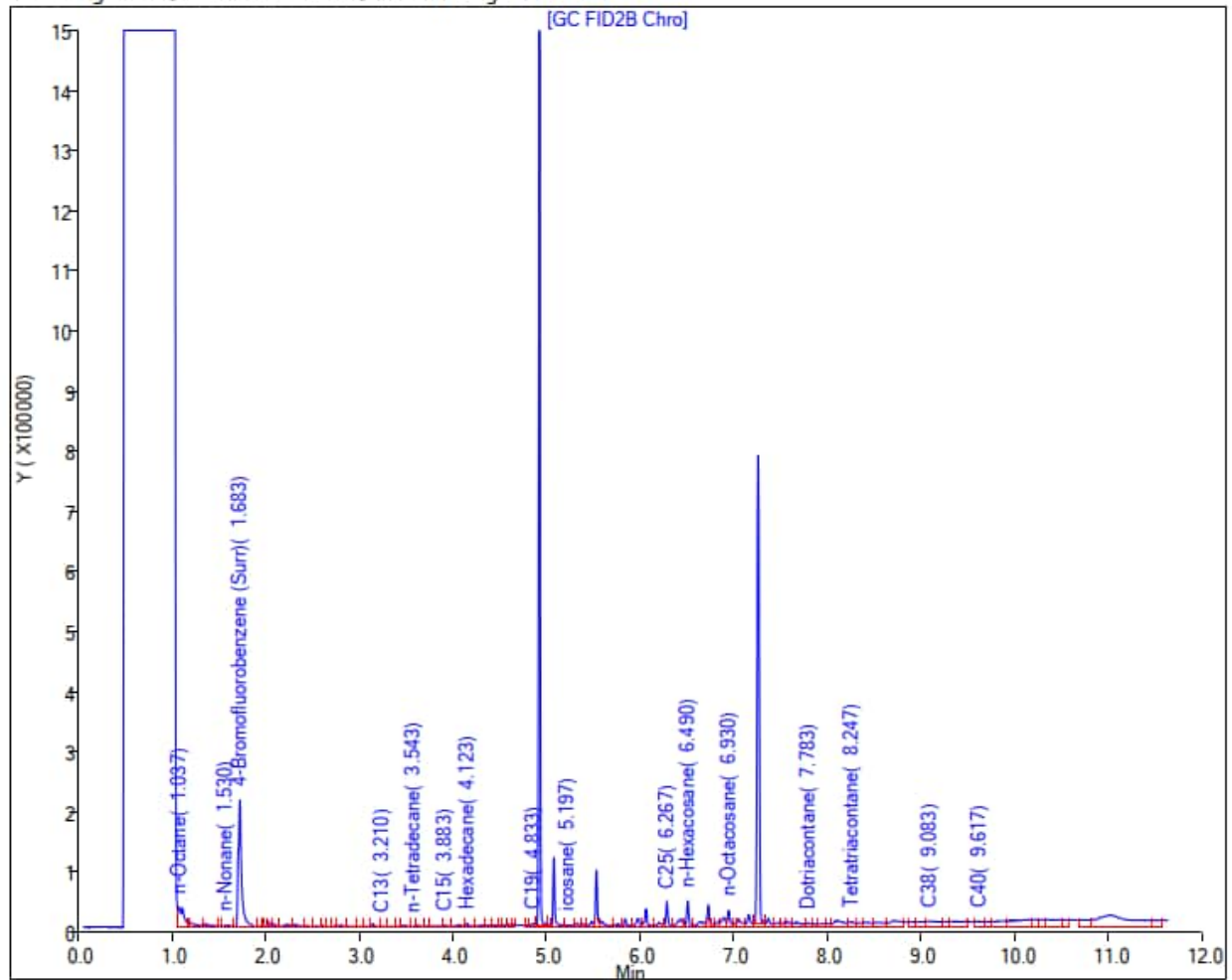
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2301WK1

Sample Date: 1/4/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 13-Jan-2023 14:26:22

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\011223A085.D

Injection Date: 13-Jan-2023 01:05:55

Instrument ID: TAC129_R

Lims ID: 580-121868-N-3-A

Lab Sample ID: 580-121868-3

Client ID: RHMW05-WGN01B-2301WK1

Operator ID: kw/cc

ALS Bottle#: 0 Worklist Smp#: 38

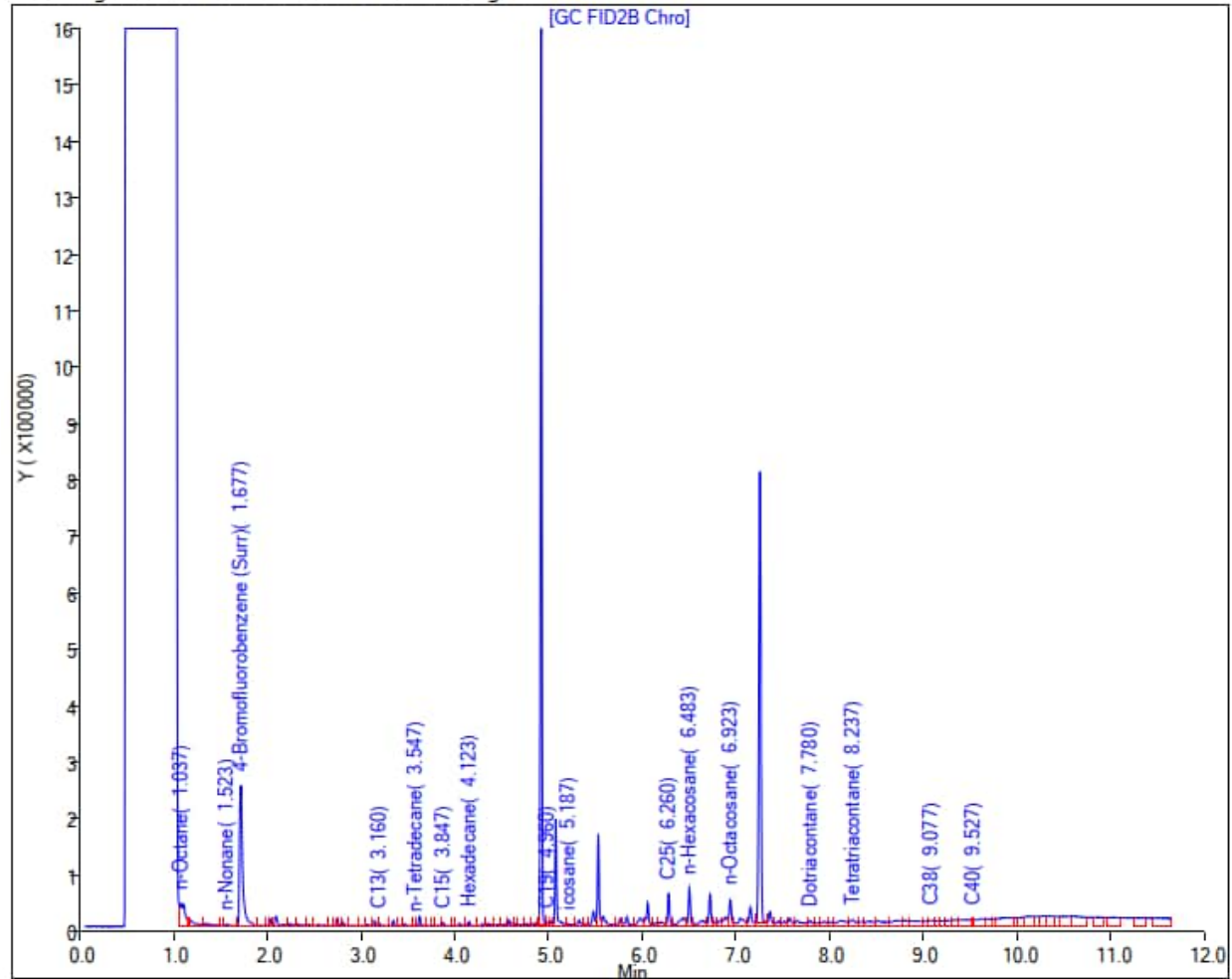
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2301WK2

Sample Date: 1/10/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 18-Jan-2023 09:33:14

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A031.D

Injection Date: 18-Jan-2023 02:07:56

Instrument ID: TAC129_R

Lims ID: 580-122061-O-1-A

Lab Sample ID: 580-122061-1

Client ID: RHMW05-WGN01B-2301WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 45

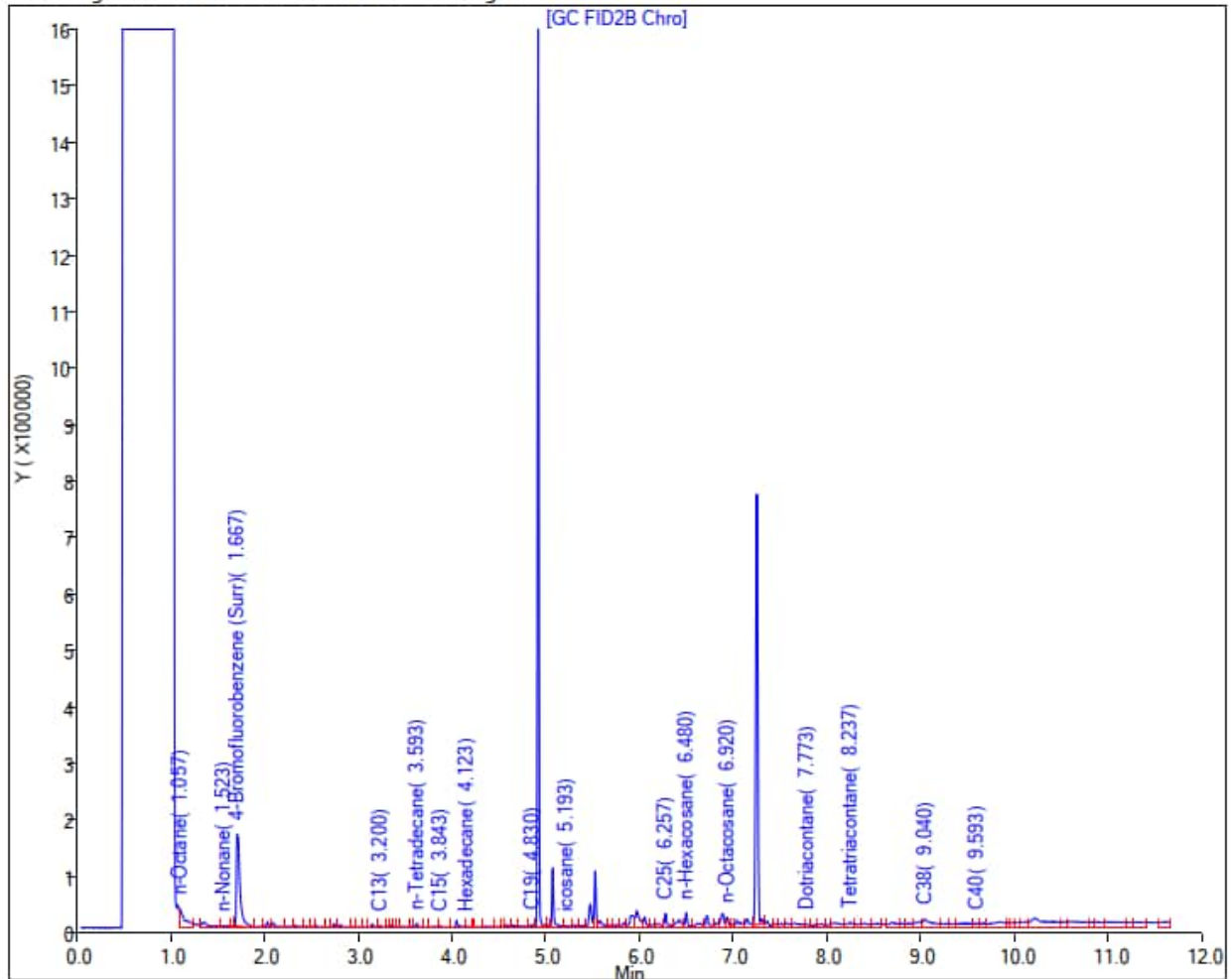
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2301WK3

Sample Date: 1/17/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 26-Jan-2023 12:15:13

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230125-86809.b\0125b23_054.D

Injection Date: 26-Jan-2023 09:23:04

Instrument ID: TAC020

Lims ID: 580-122420-O-7-A

Lab Sample ID: 580-122420-7

Client ID: RHMW05-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 127

Injection Vol: 1.0 ul

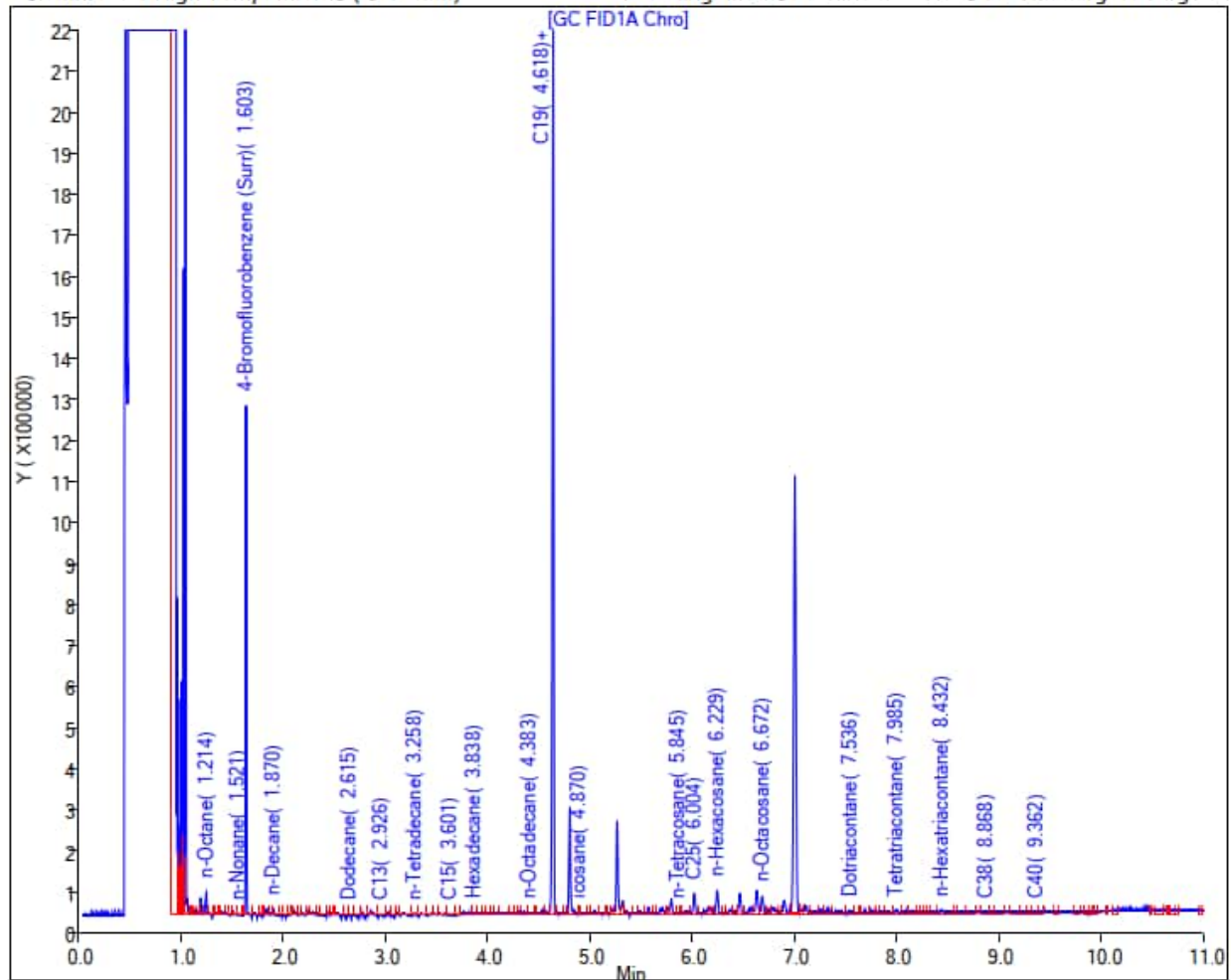
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2301WK4

Sample Date: 1/24/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 01-Feb-2023 10:53:42

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230131-86877.b\013123_033.D

Injection Date: 31-Jan-2023 20:34:17

Instrument ID: TAC020

Lims ID: 580-122714-F-1-A

Lab Sample ID: 580-122714-1

Client ID: RHMW05-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 33

Injection Vol: 1.0 ul

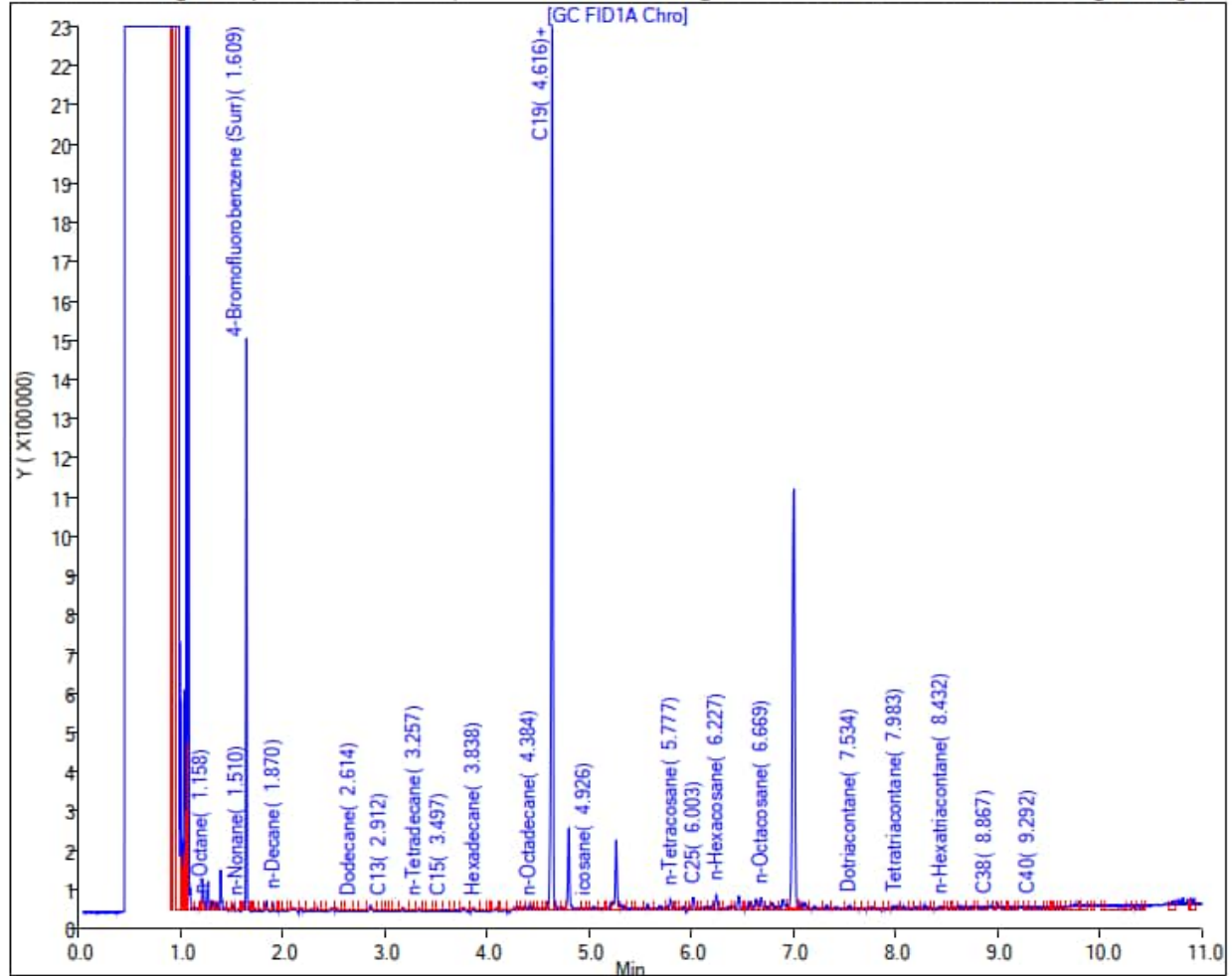
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2211WK1

Sample Date: 11/7/2022

Results (ug/L): TPH-d (C10 to C24) <80 U

TPH-o (C24 to C40) <240 U

Report Date: 14-Nov-2022 13:31:38

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221111-85756.b\111222A013.D

Injection Date: 12-Nov-2022 01:18:26

Instrument ID: TAC129_R

Lims ID: 580-119862-N-6-A

Lab Sample ID: 580-119862-6

Client ID: RHMW06-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 17

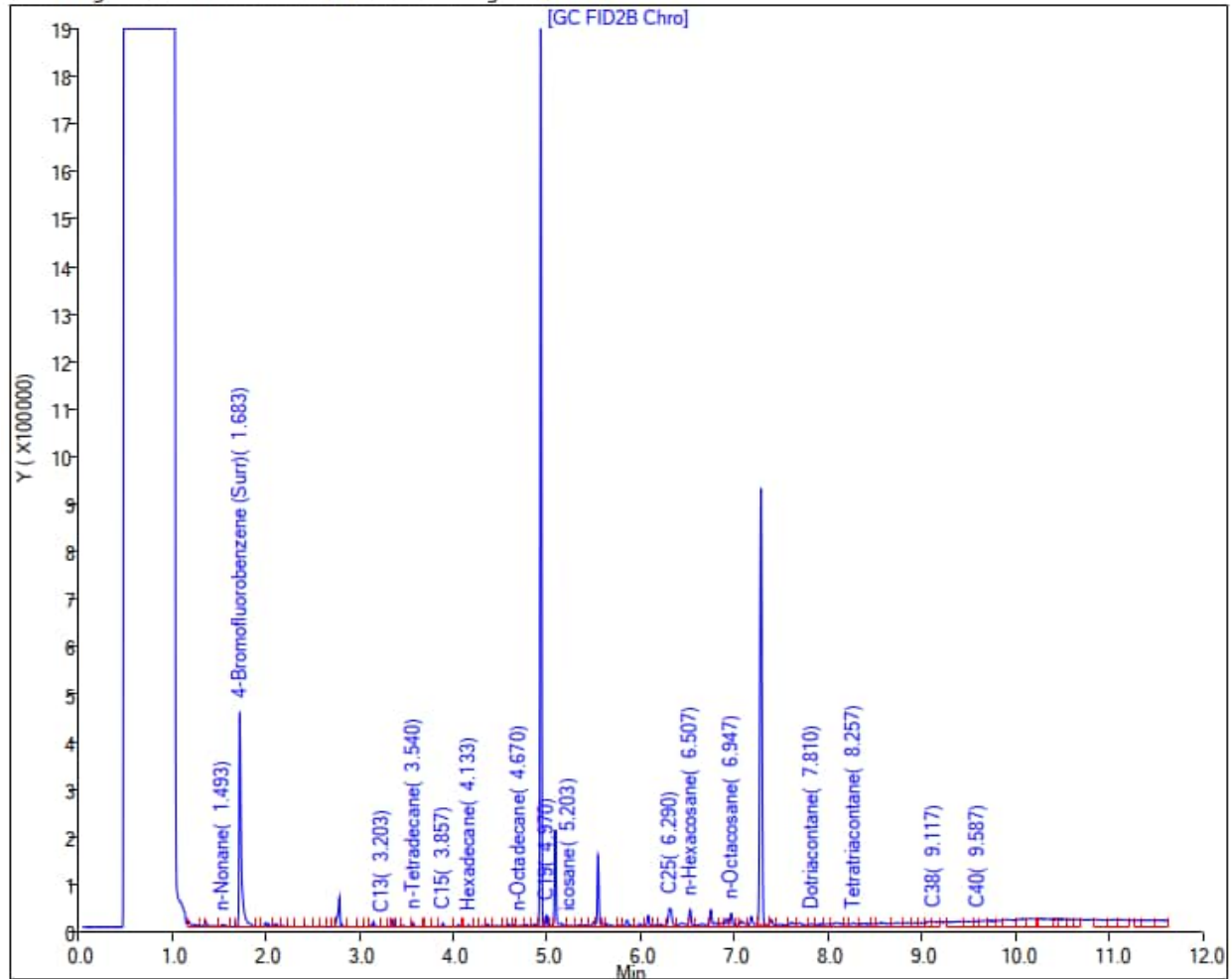
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN02B-2211WK1

Sample Date: 11/9/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 15-Nov-2022 19:16:29

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85802.b\1114aa22A053.D

Injection Date: 15-Nov-2022 06:42:36

Instrument ID: TAC129_R

Lims ID: 580-119908-O-3-A

Lab Sample ID: 580-119908-3

Client ID: RHMW06-WGN02B-2211WK1

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 27

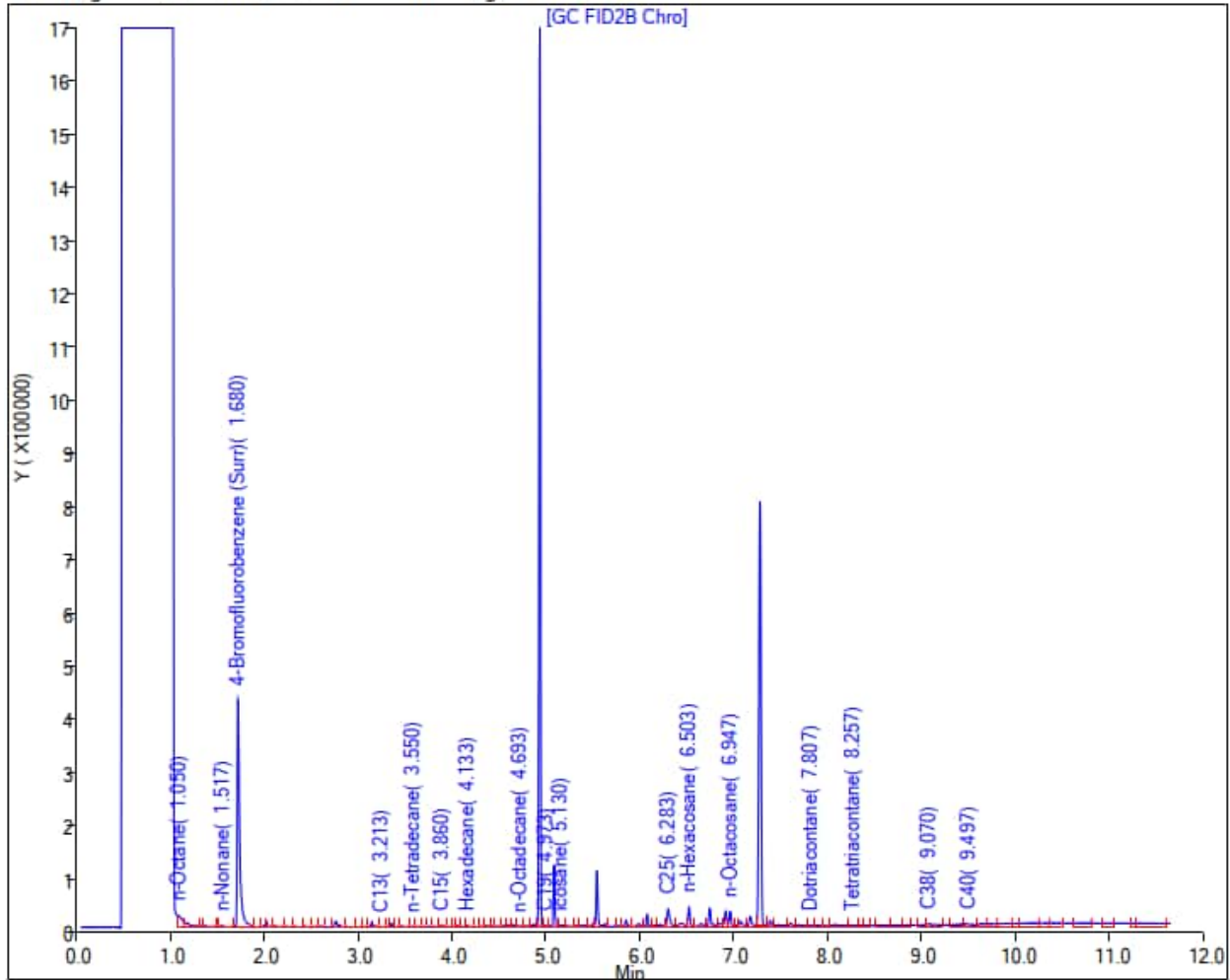
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN02B-2211WK2

Sample Date: 11/16/2022

Results (ug/L): TPH-d (C10 to C24) 69 J

TPH-o (C24 to C40) <300 U

Report Date: 22-Nov-2022 14:59:17

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_016.D

Injection Date: 21-Nov-2022 22:42:30

Instrument ID: TAC020

Lims ID: 580-120140-O-11-A

Lab Sample ID: 580-120140-11

Client ID: RHMW06-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul

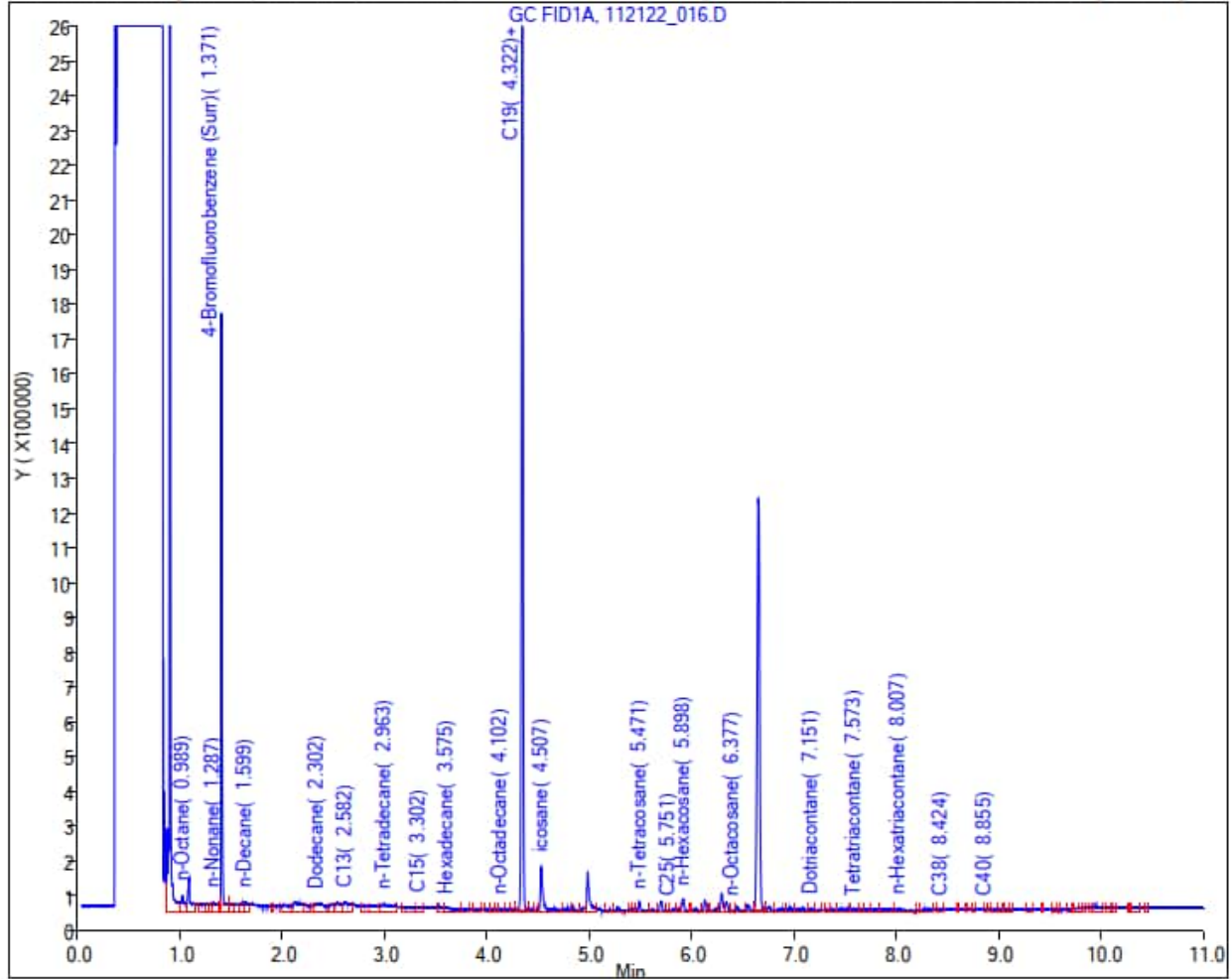
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 23-Nov-2022 12:59:42

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221122-85928.b\1122ab22A033.D

Injection Date: 22-Nov-2022 21:41:18

Instrument ID: TAC129_R

Lims ID: 580-120140-O-11-C

Lab Sample ID: 580-120140-11

Client ID: RHMW06-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 27

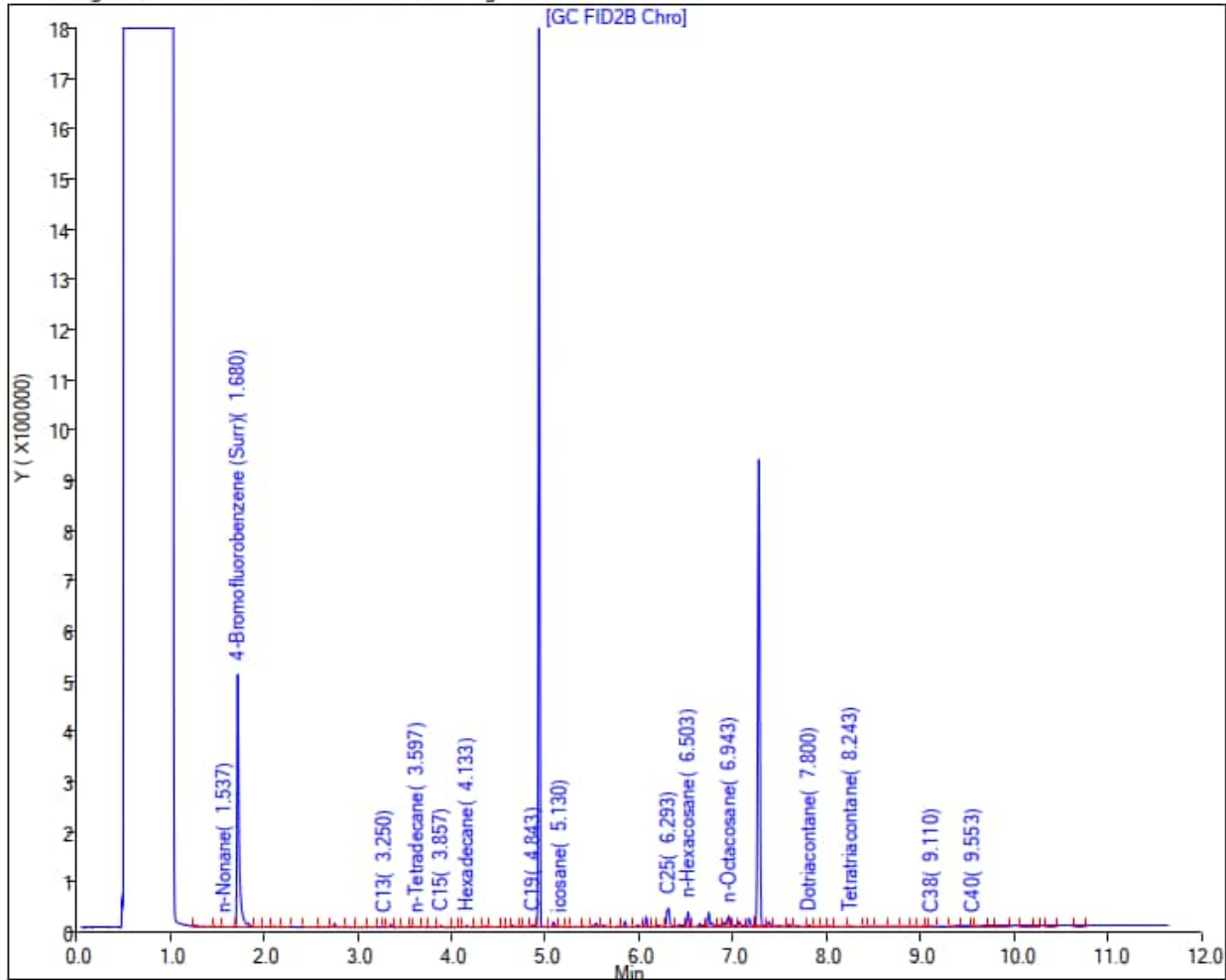
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2212WK1

Sample Date: 12/6/2022

Results (ug/L): TPH-d (C10 to C24) 110

TPH-o (C24 to C40) 220 J

Report Date: 12-Dec-2022 15:02:39

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221209-86195.b\120922A016.D

Injection Date: 09-Dec-2022 23:11:55

Instrument ID: TAC129

Lims ID: 580-120984-O-1-B

Lab Sample ID: 580-120984-1

Client ID: RHMW06-WGN01B-2212WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 8

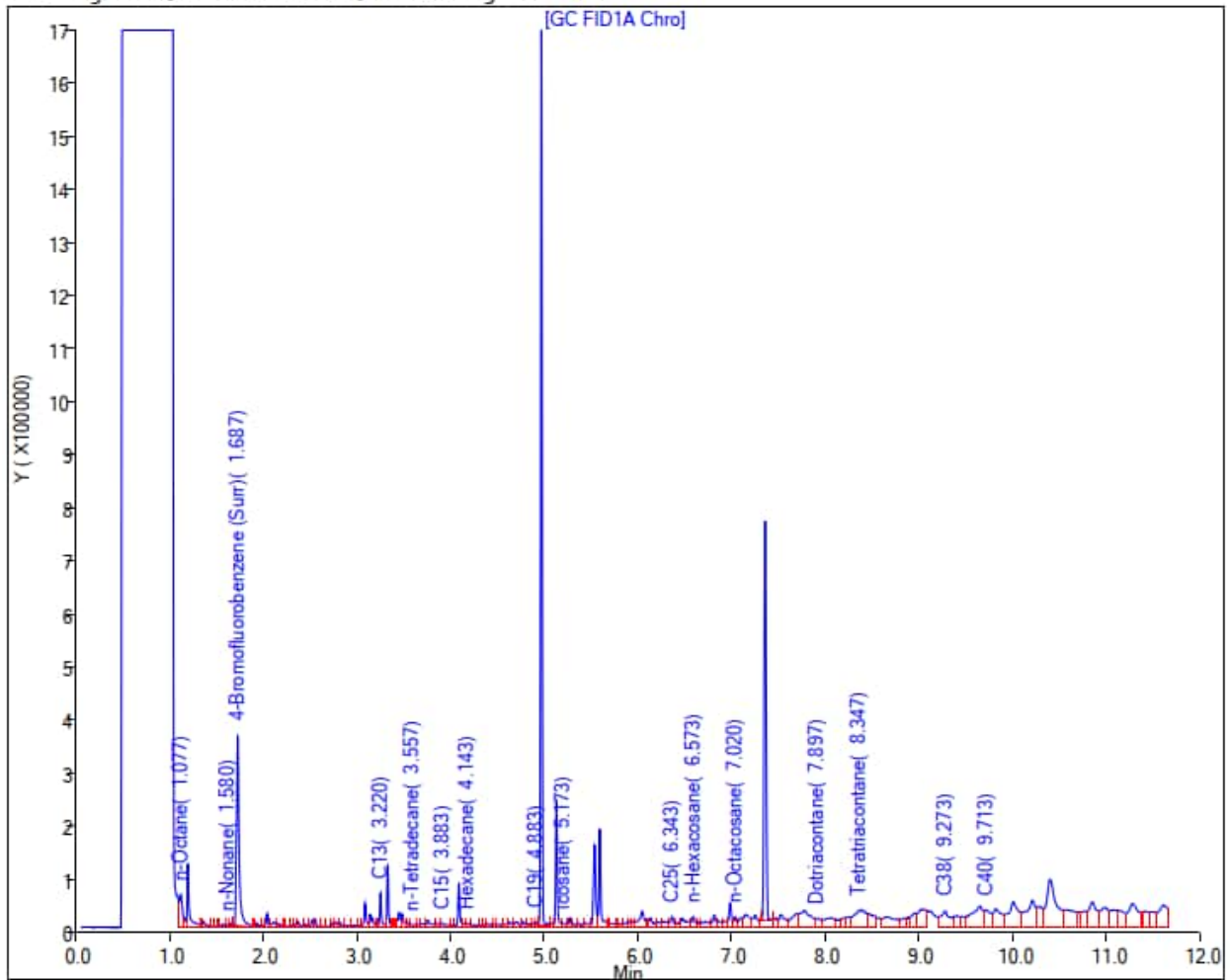
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 12-Dec-2022 15:03:51

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221209-86195.b\120922A036.D

Injection Date: 10-Dec-2022 02:17:55

Instrument ID: TAC129

Lims ID: 580-120984-O-1-C

Lab Sample ID: 580-120984-1

Client ID: RHMW06-WGN01B-2212WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 18

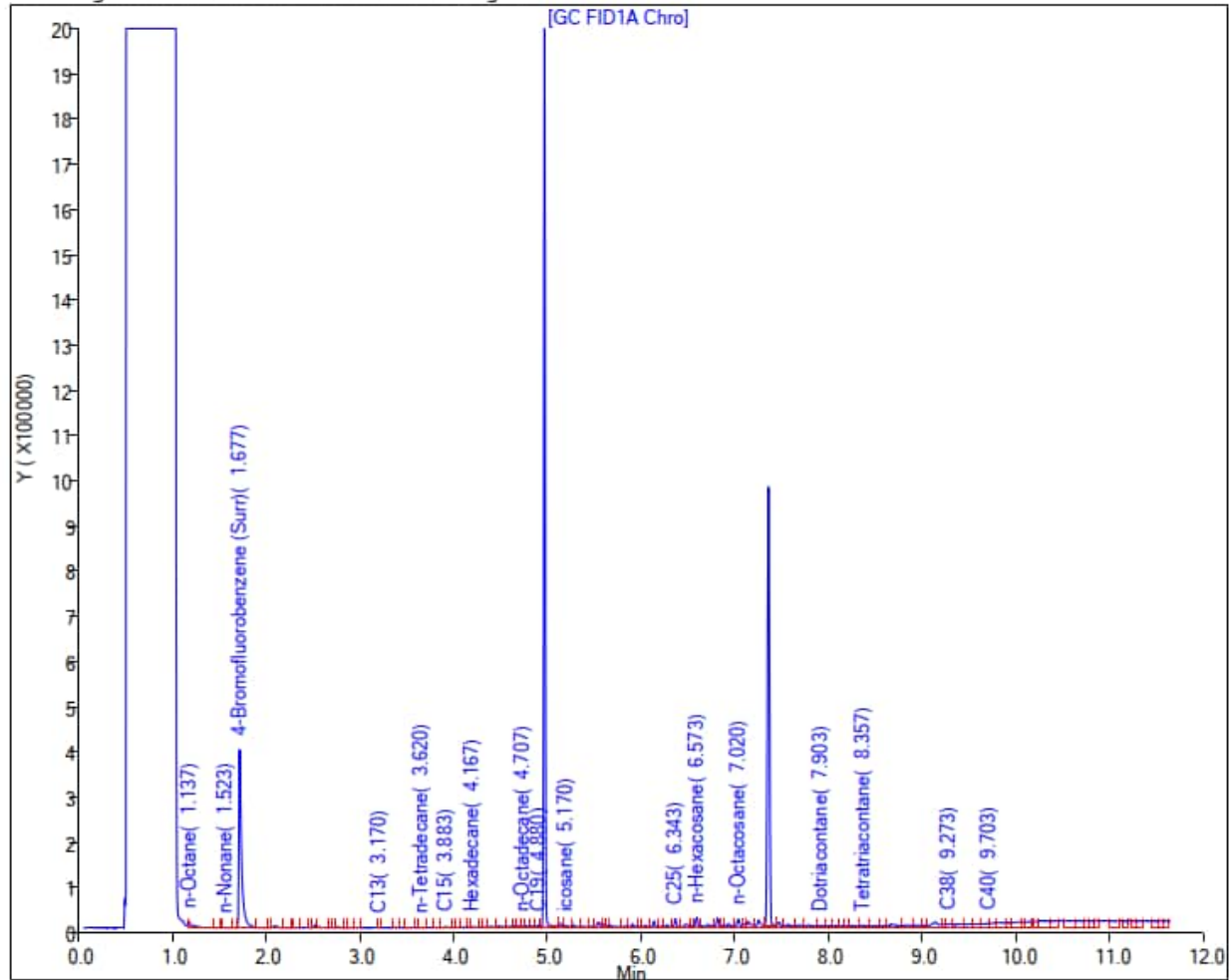
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2212WK3

Sample Date: 12/19/2022

Results (ug/L): TPH-d (C10 to C24) 86 J

TPH-o (C24 to C40) <310 U

Report Date: 27-Dec-2022 12:37:48

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: \\chromfs\Seattle\ChromData\TAC020\20221222-86386.b\12222022_041.D

Injection Date: 23-Dec-2022 05:38:23

Instrument ID: TAC020

Lims ID: 580-121471-N-5-A

Lab Sample ID: 580-121471-5

Client ID: RHMW06-WGN01B-2212WK3

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 53

Injection Vol: 1.0 ul

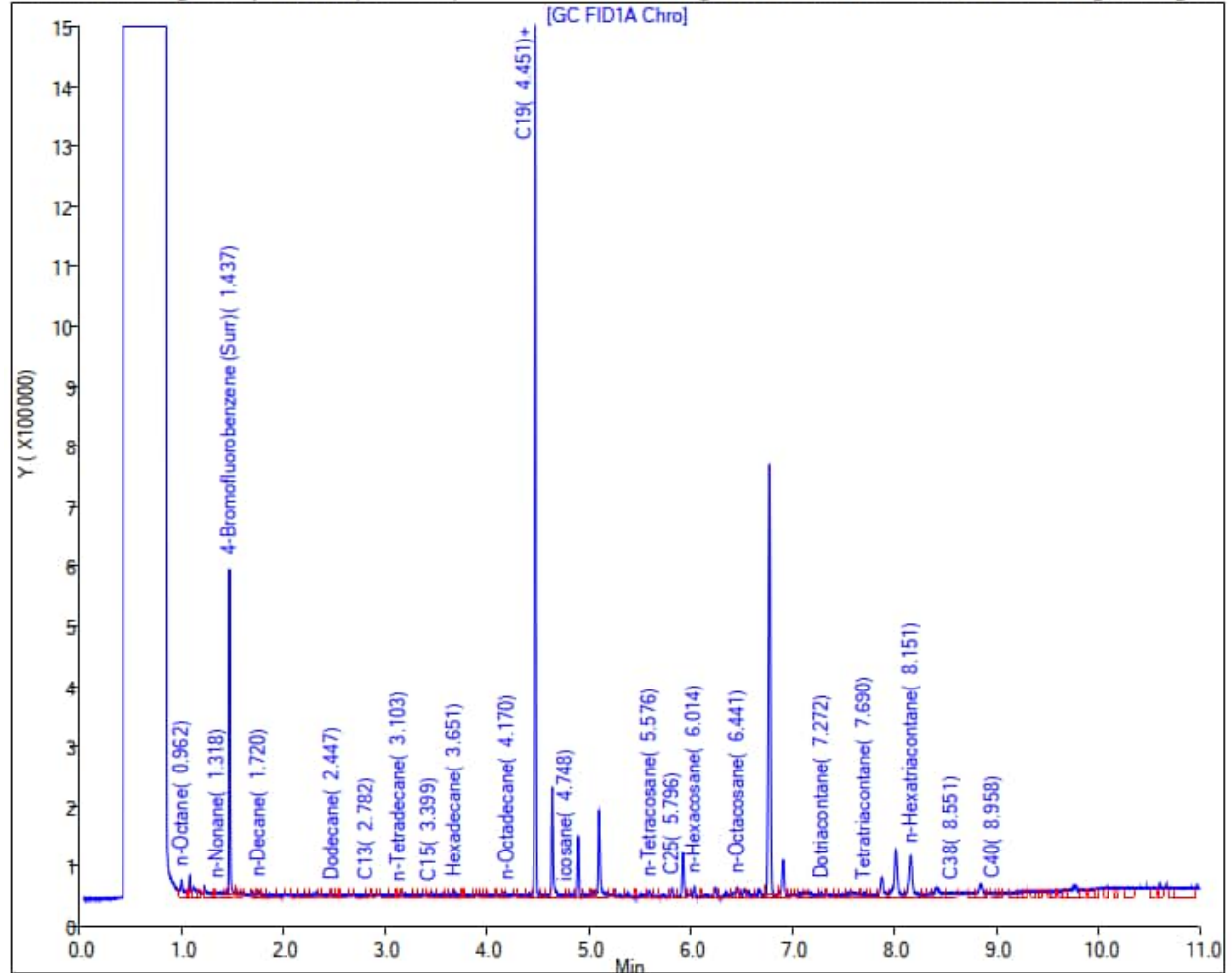
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 19-Jan-2023 08:25:32

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230118-86744.b\011823A063.D

Injection Date: 19-Jan-2023 03:37:51

Instrument ID: TAC129_R

Lims ID: 580-121471-N-5-C

Lab Sample ID: 580-121471-5

Client ID: RHMW06-WGN01B-2212WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 32

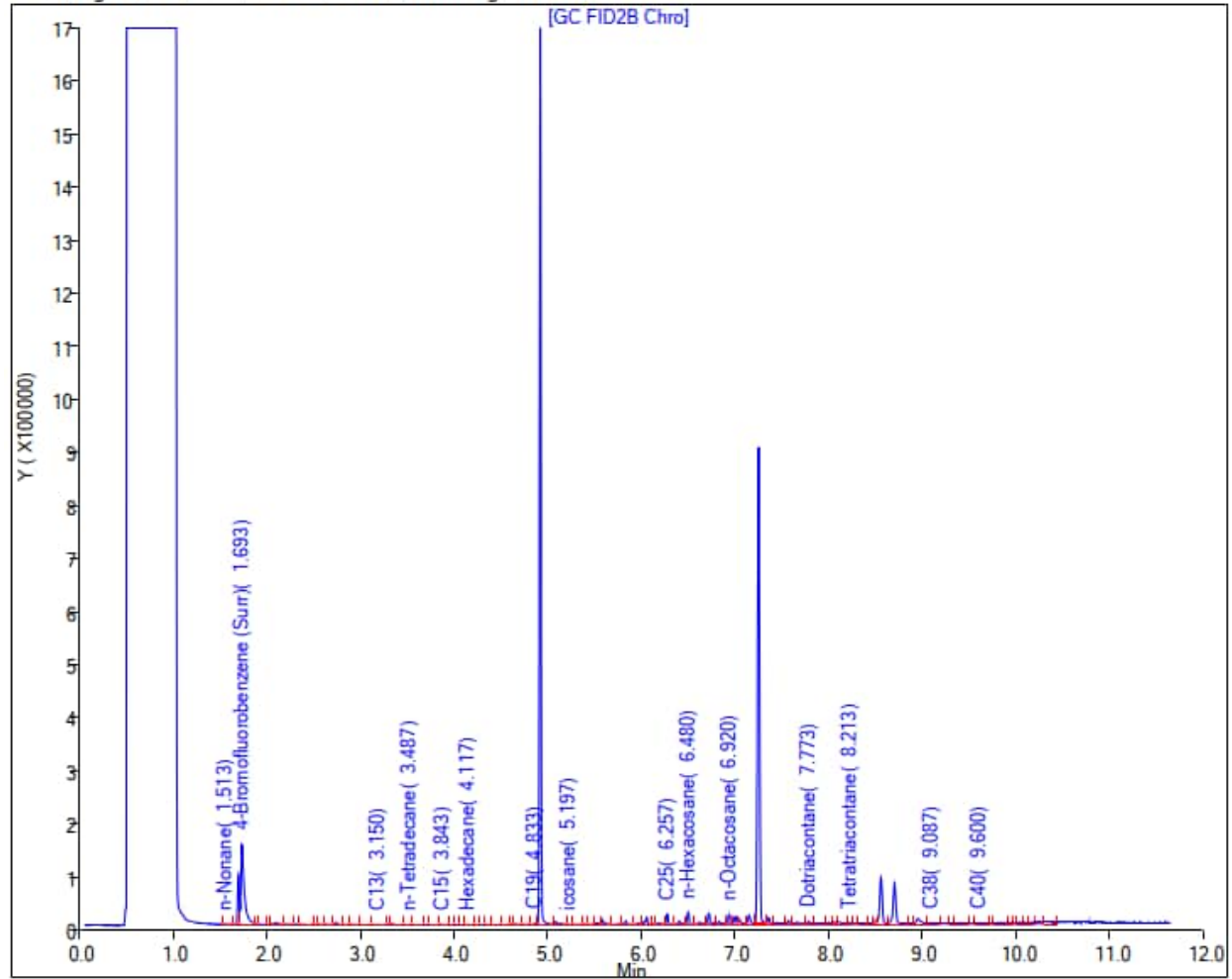
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2212WK4

Sample Date: 12/30/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 11-Jan-2023 14:12:20

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A055.D

Injection Date: 06-Jan-2023 21:19:17

Instrument ID: TAC129_R

Lims ID: 580-121747-E-16-A

Lab Sample ID: 580-121747-16

Client ID: RHMW06-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 57

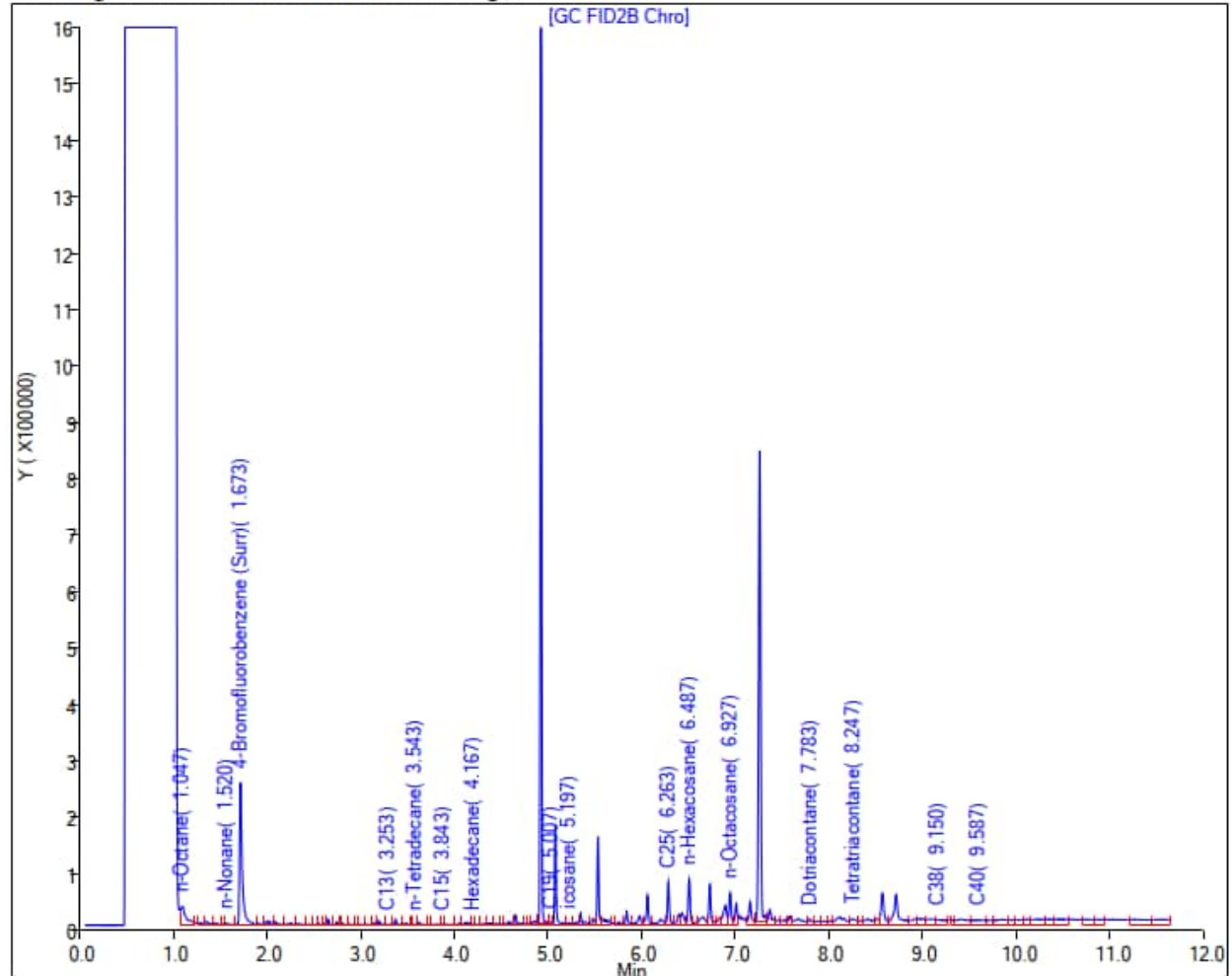
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2301WK1

Sample Date: 1/6/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 16-Jan-2023 11:32:40

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230114-86670.b\011423A045.D

Injection Date: 14-Jan-2023 21:54:55

Instrument ID: TAC129_R

Lims ID: 580-121982-N-3-A

Lab Sample ID: 580-121982-3

Client ID: RHMW06-WGN01B-2301WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 22

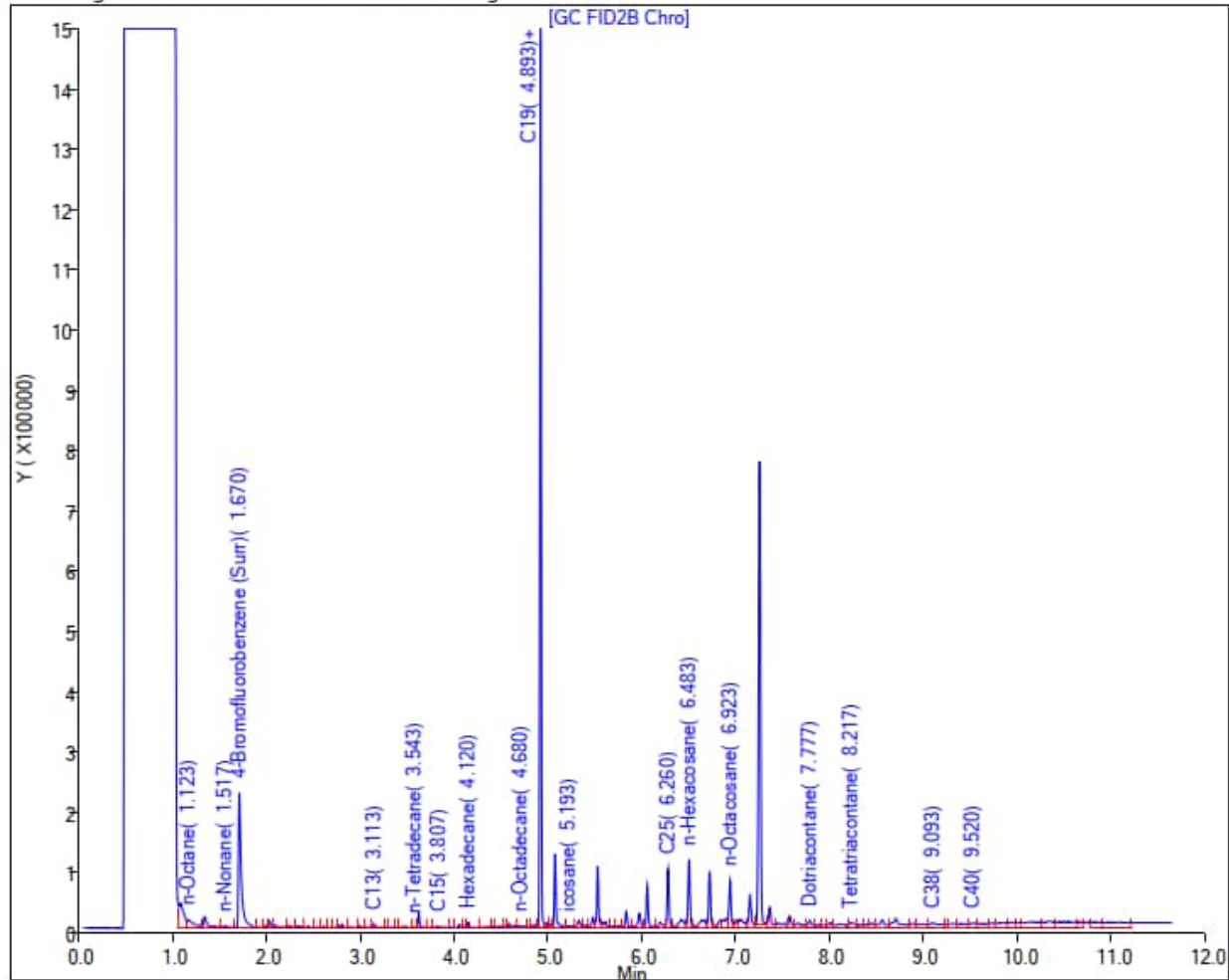
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2301WK2

Sample Date: 1/13/2023

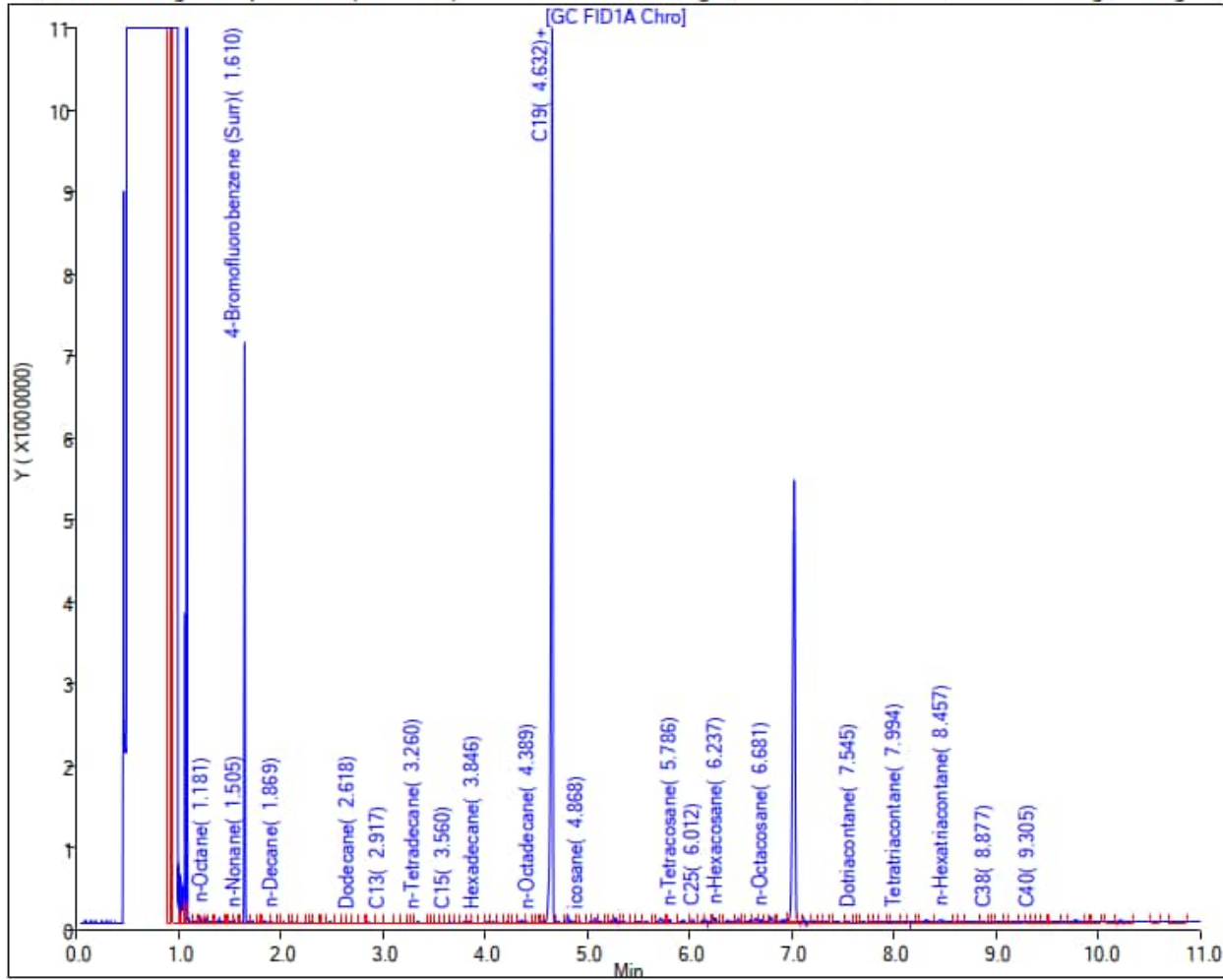
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 22-Jan-2023 16:56:04

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230120-86774.b\012023_007.D
Injection Date: 20-Jan-2023 21:39:10 Instrument ID: TAC020
Lims ID: 580-122261-O-4-A Lab Sample ID: 580-122261-4
Client ID: RHMW06-WGN01B-2301WK2
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2301WK3

Sample Date: 1/20/2023

Results (ug/L): TPH-d (C10 to C24) 110

TPH-o (C24 to C40) 280 J

Report Date: 30-Jan-2023 09:43:47

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230127-86843.b\0127b23A040.D

Injection Date: 27-Jan-2023 22:45:53

Instrument ID: TAC129

Lims ID: 580-122586-O-4-A

Lab Sample ID: 580-122586-4

Client ID: RHMW06-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 49

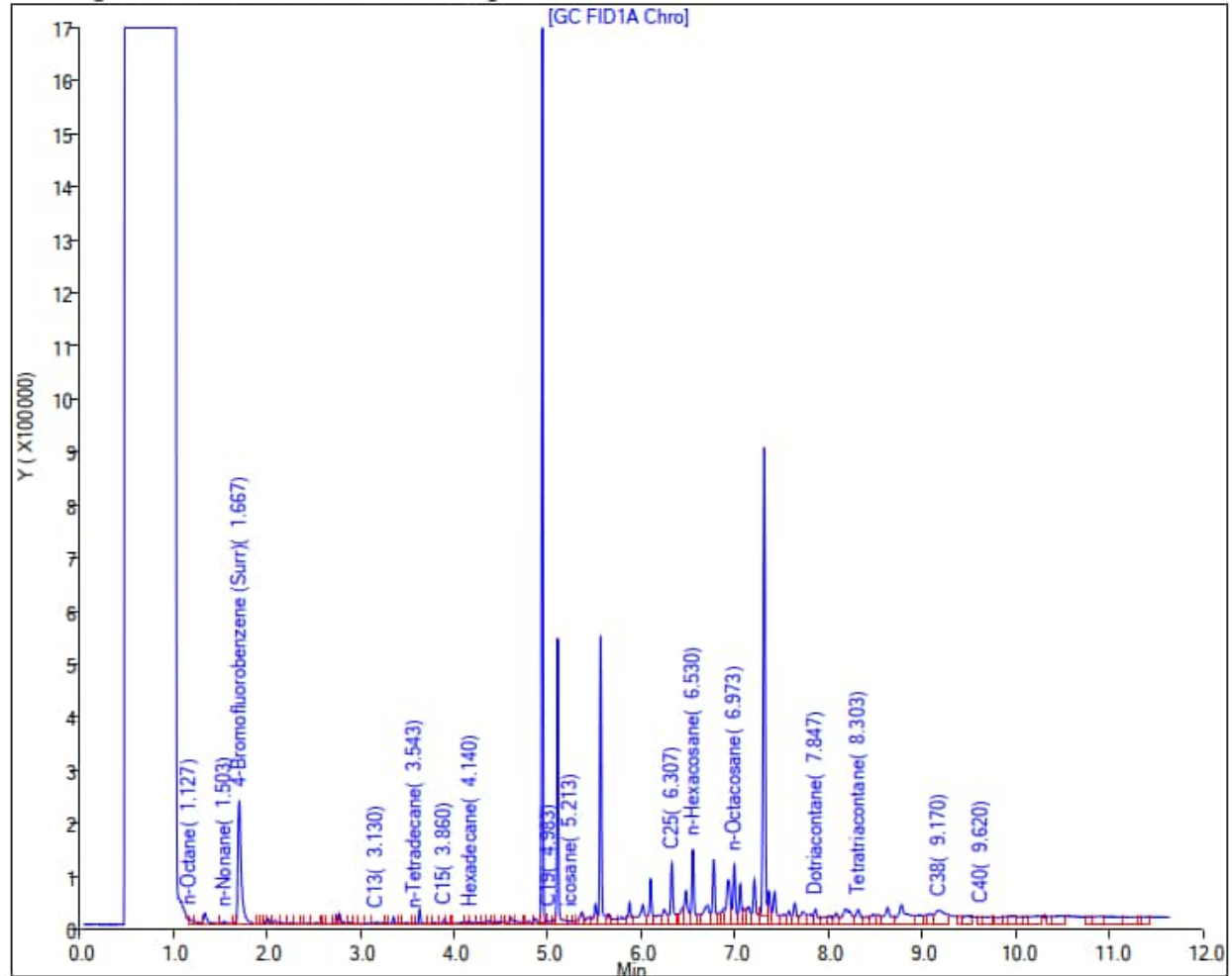
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 31-Jan-2023 11:49:54

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230130-86860.b\013023A038.D

Injection Date: 30-Jan-2023 18:15:27

Instrument ID: TAC129

Lims ID: 580-122586-O-4-B

Lab Sample ID: 580-122586-4

Client ID: RHMW06-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 19

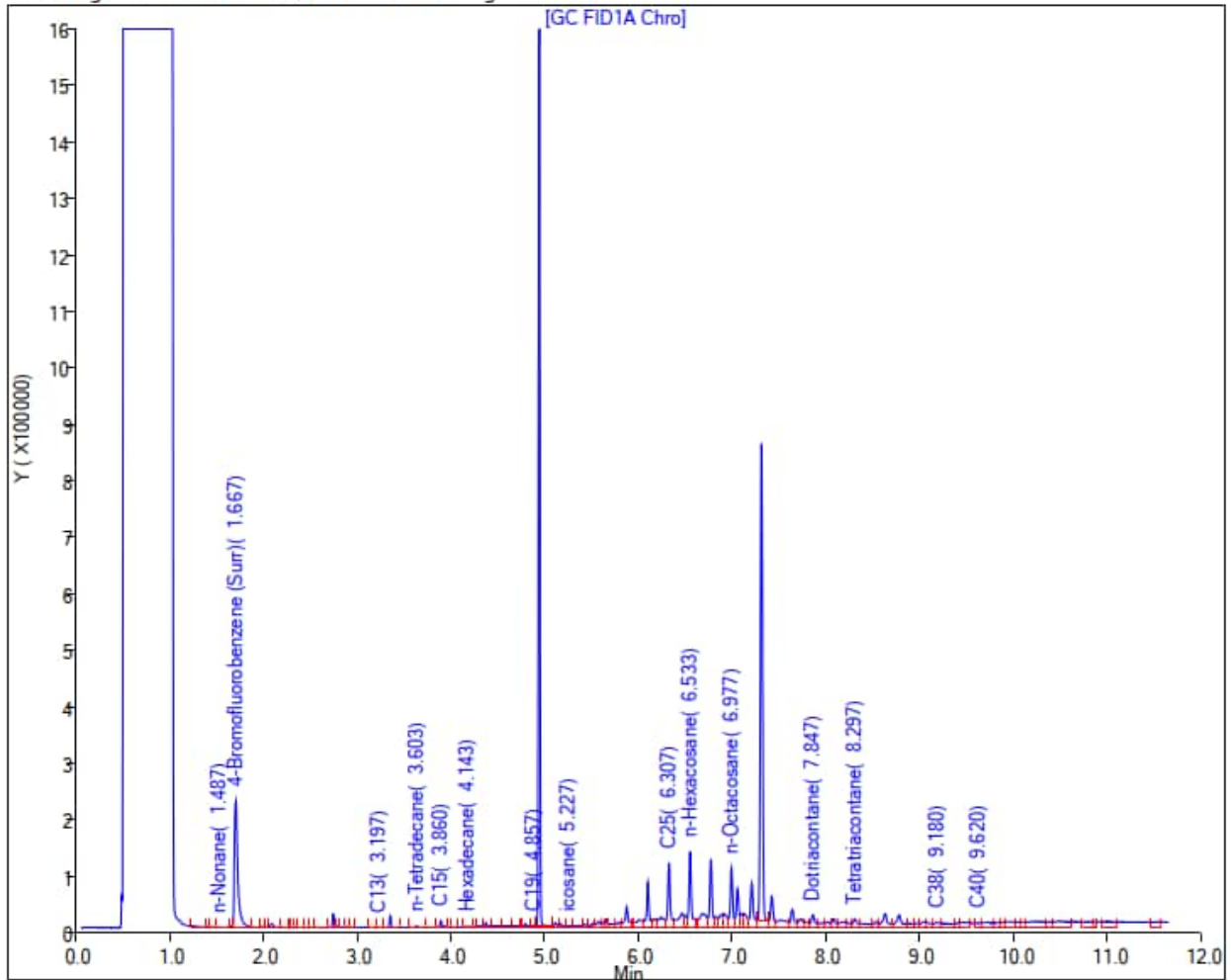
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW08
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN01B-2211WK1

Sample Date: 11/7/2022

Results (ug/L): TPH-d (C10 to C24) 69 J

TPH-o (C24 to C40) <240 U

Report Date: 14-Nov-2022 13:32:46

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221111-85756.b\111222A043.D

Injection Date: 12-Nov-2022 05:56:00

Instrument ID: TAC129_R

Lims ID: 580-119862-N-4-A

Lab Sample ID: 580-119862-4

Client ID: RHMW08-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 32

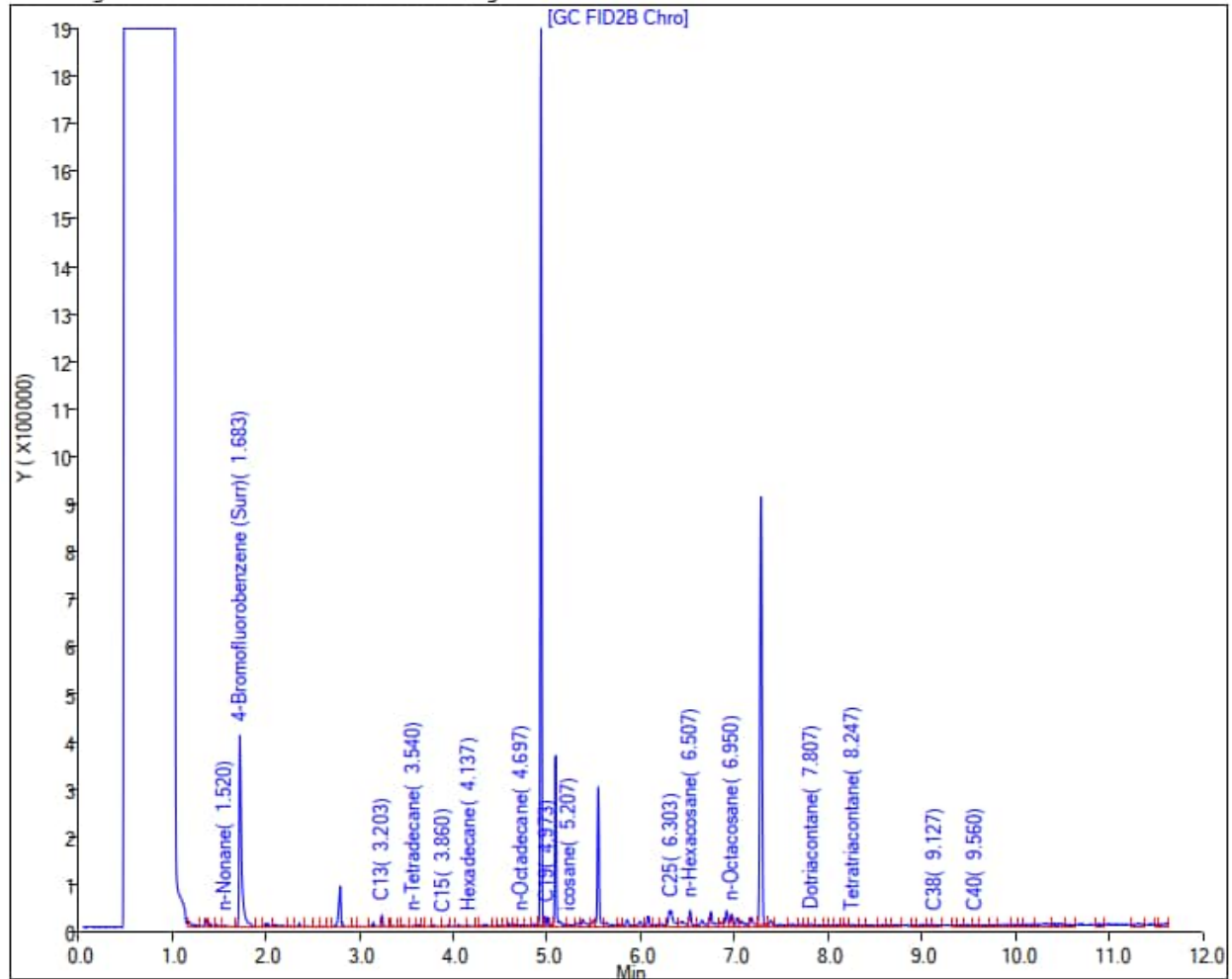
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 53 J

TPH-o SGC (C24 to C40) <240 U

Report Date: 18-Nov-2022 11:59:14

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_014.D

Injection Date: 17-Nov-2022 23:59:30

Instrument ID: TAC020

Lims ID: 580-119862-N-4-B

Lab Sample ID: 580-119862-4

Client ID: RHMW08-WGN01B-2211WK1

Operator ID: DH/CC

ALS Bottle#: 13 Worklist Smp#: 16

Injection Vol: 1.0 ul

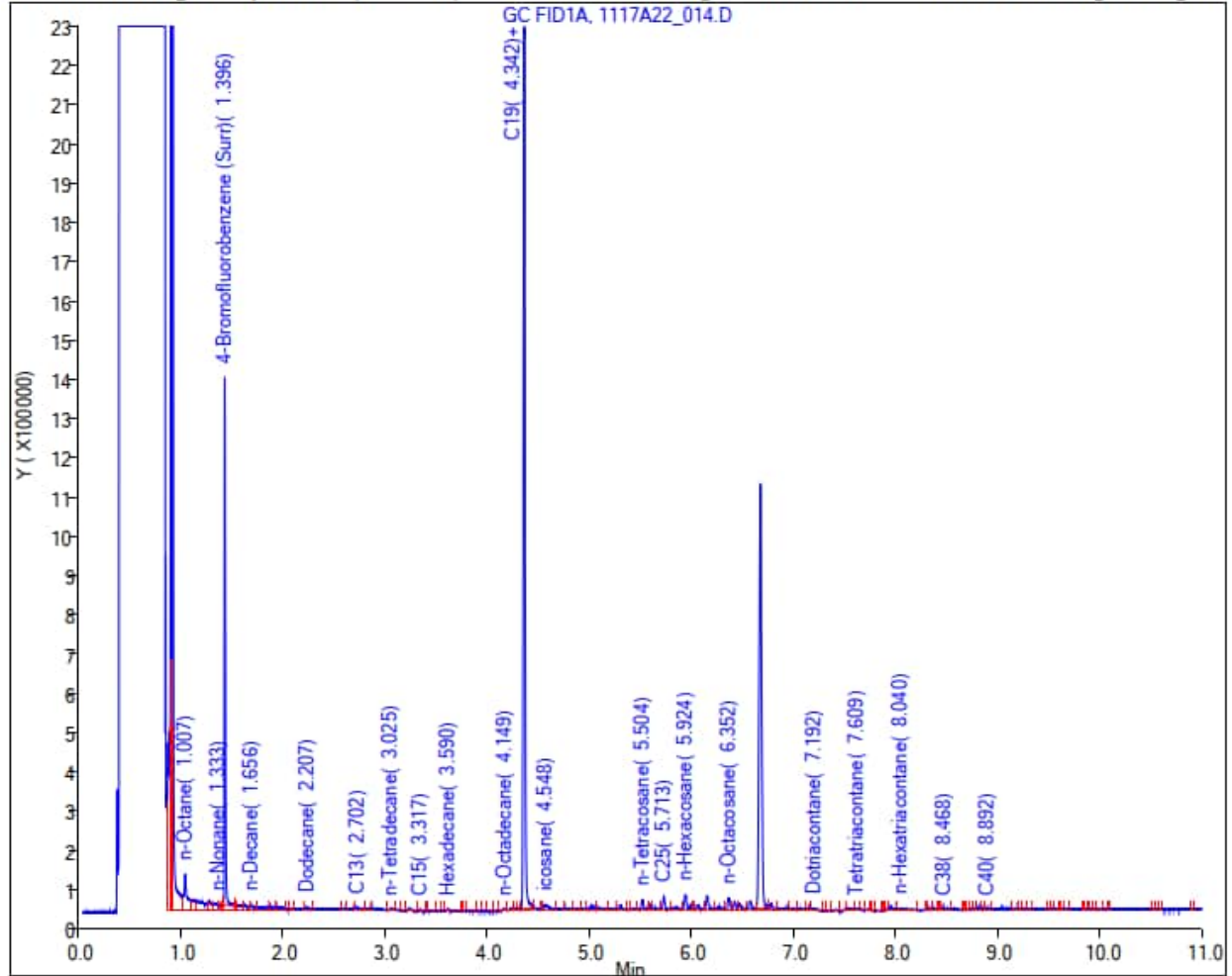
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW08
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN02B-2211WK1

Sample Date: 11/9/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 15-Nov-2022 19:16:26

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85802.b\1114aa22A051.D

Injection Date: 15-Nov-2022 06:24:12

Instrument ID: TAC129_R

Lims ID: 580-119908-O-1-A

Lab Sample ID: 580-119908-1

Client ID: RHMW08-WGN02B-2211WK1

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 26

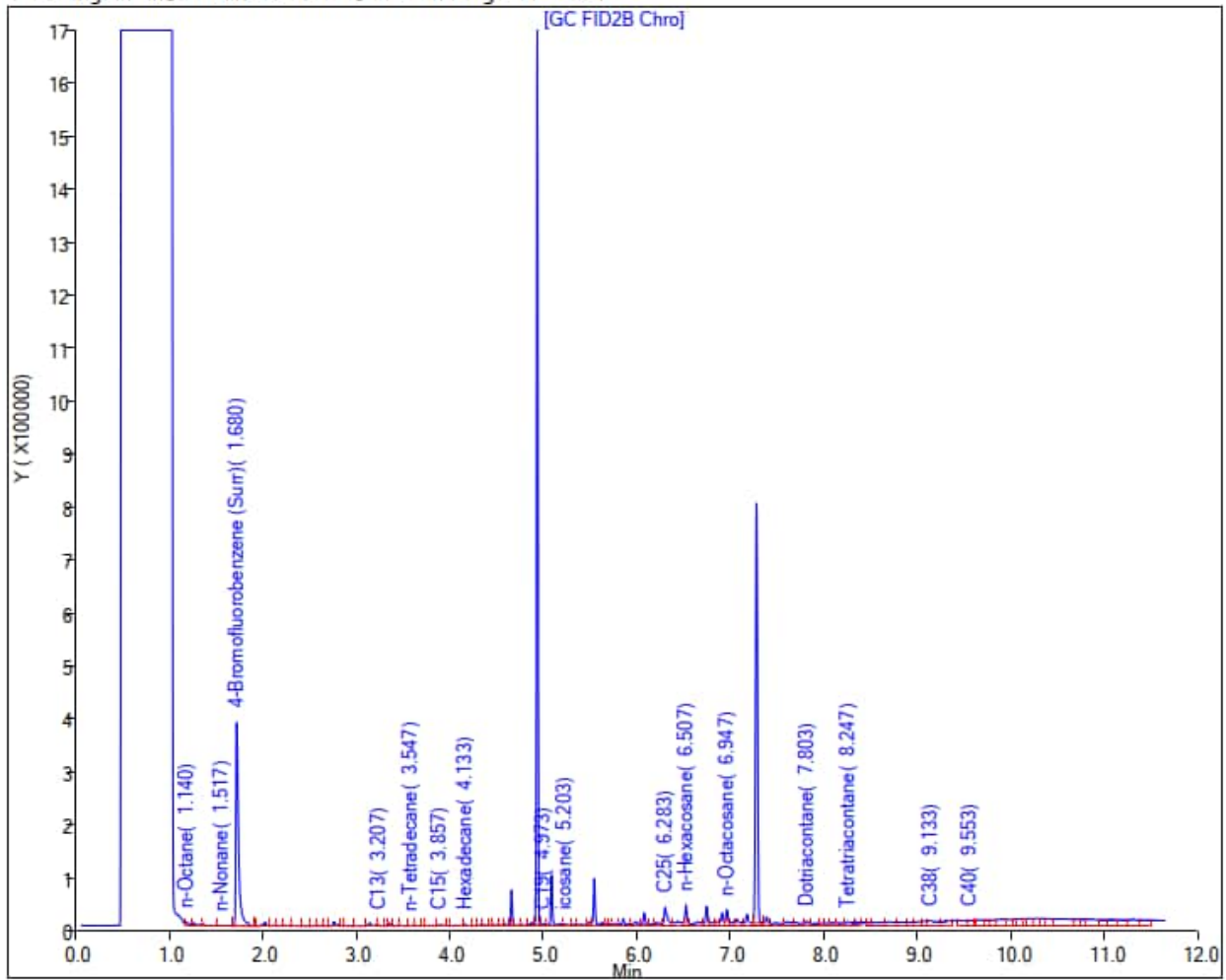
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW08
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN02B-2211WK2

Sample Date: 11/16/2022

Results (ug/L): TPH-d (C10 to C24) <96 U

TPH-o (C24 to C40) <290 U

Report Date: 22-Nov-2022 14:59:24

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_017.D

Eurofins Seattle

Injection Date: 21-Nov-2022 23:02:30

Instrument ID: TAC020

Lims ID: 580-120153-O-1-A

Lab Sample ID: 580-120153-1

Client ID: RHMW08-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

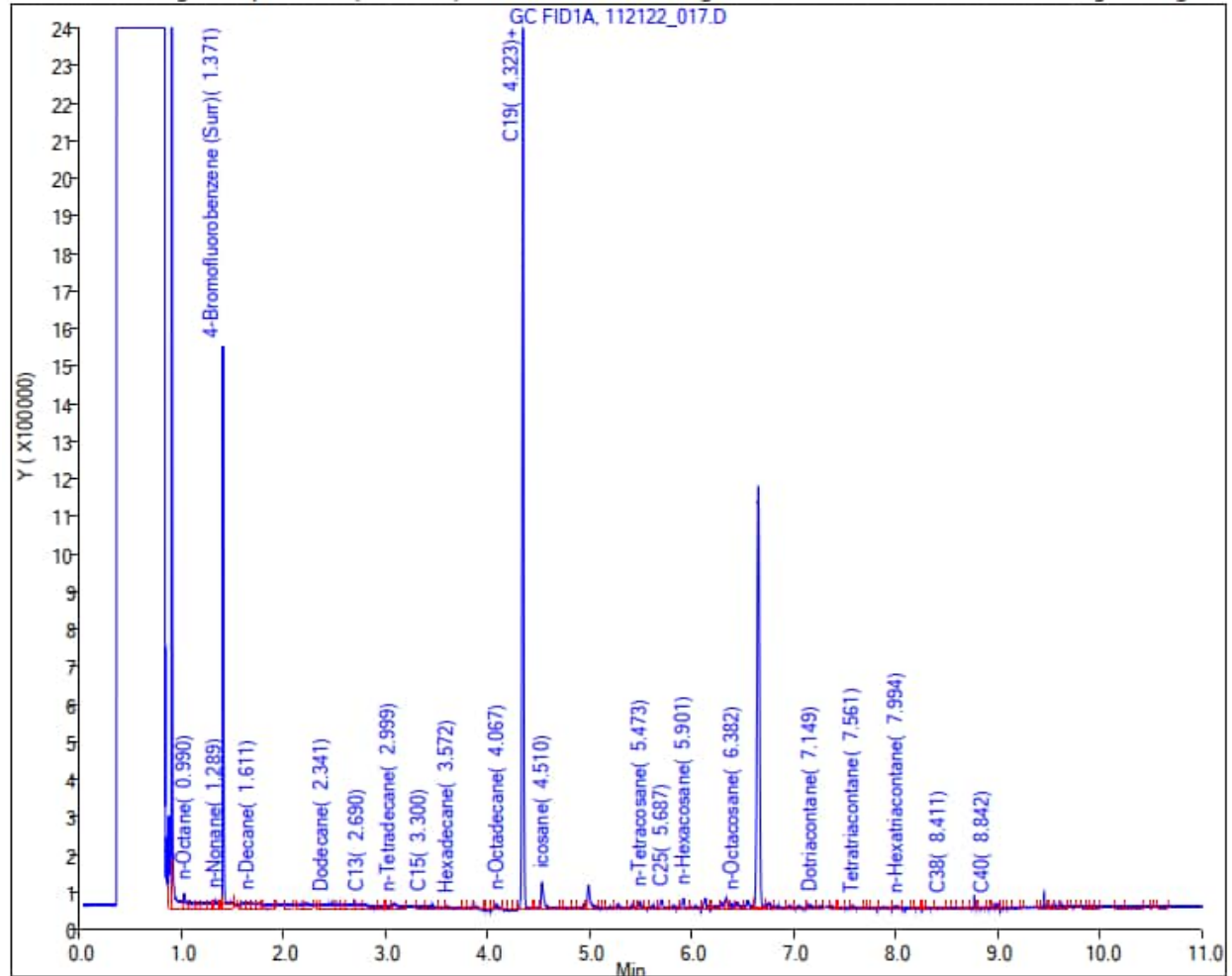
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW08
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN01B-2212WK3

Sample Date: 12/19/2022

Results (ug/L): TPH-d (C10 to C24) 93 J

TPH-o (C24 to C40) <310 U

Report Date: 27-Dec-2022 12:36:44

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221222-86386.b\12222022_029.D

Injection Date: 23-Dec-2022 01:36:20

Instrument ID: TAC020

Lims ID: 580-121415-N-4-A

Lab Sample ID: 580-121415-4

Client ID: RHMW08-WGN01B-2212WK3

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 41

Injection Vol: 1.0 ul

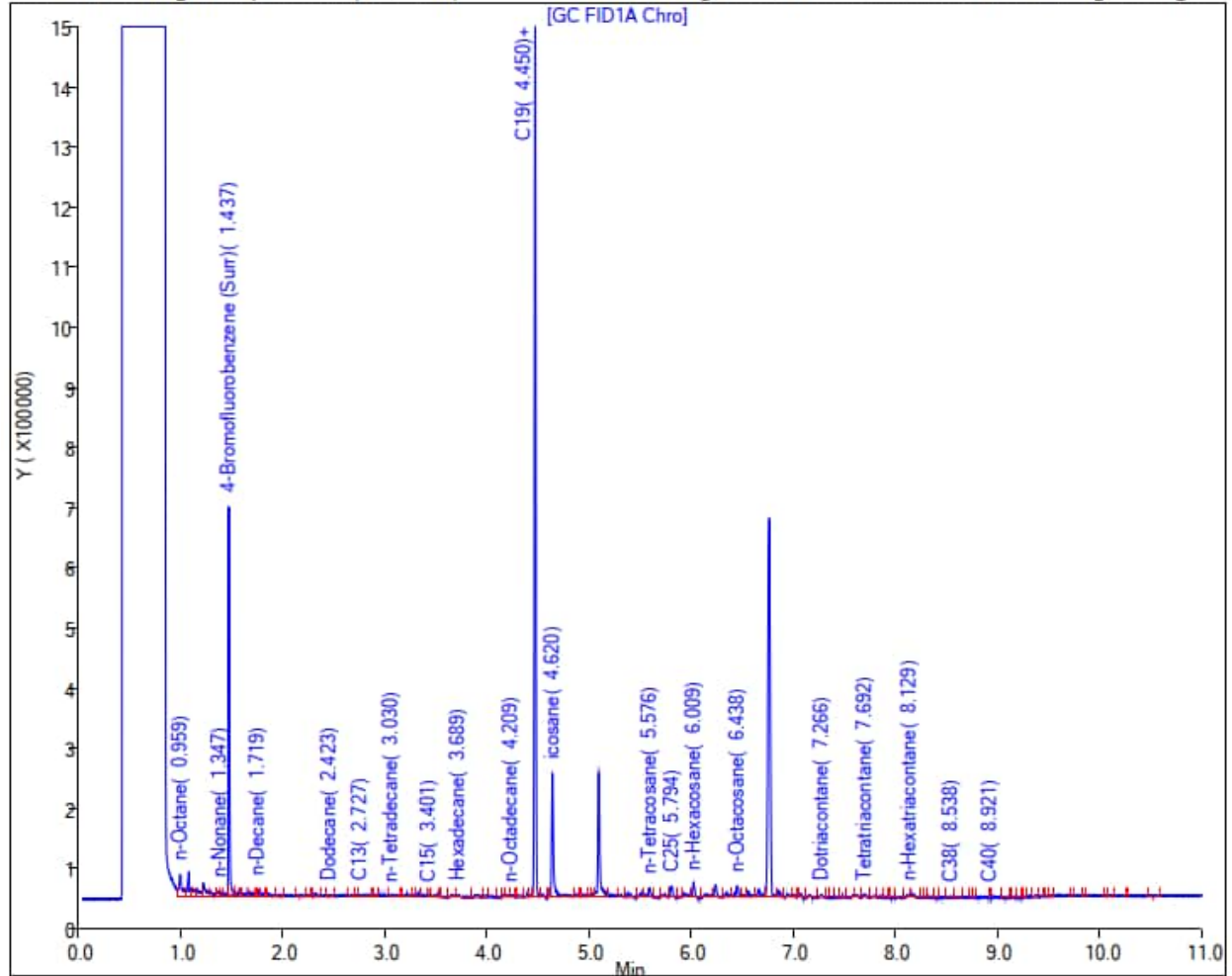
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 19-Jan-2023 08:25:26

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230118-86744.b\011823A059.D

Injection Date: 19-Jan-2023 03:01:04

Instrument ID: TAC129_R

Lims ID: 580-121415-N-4-B

Lab Sample ID: 580-121415-4

Client ID: RHMW08-WGN01B-2212WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 30

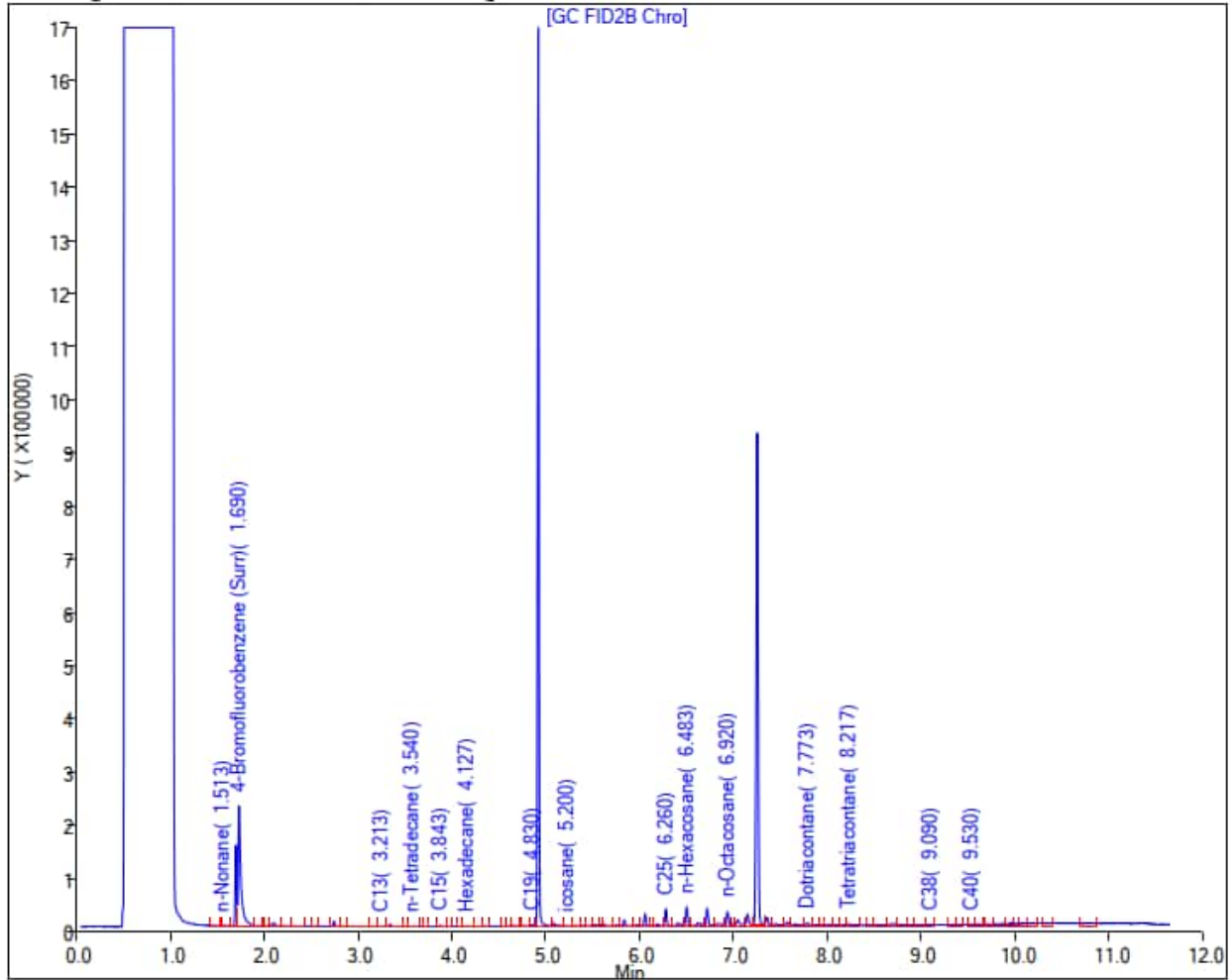
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW08
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN01B-2212WK4

Sample Date: 12/30/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 11-Jan-2023 14:11:46

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A037.D

Eurofins Seattle

Injection Date: 06-Jan-2023 18:30:09

Instrument ID: TAC129_R

Lims ID: 580-121747-E-1-A

Lab Sample ID: 580-121747-1

Client ID: RHMW08-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 48

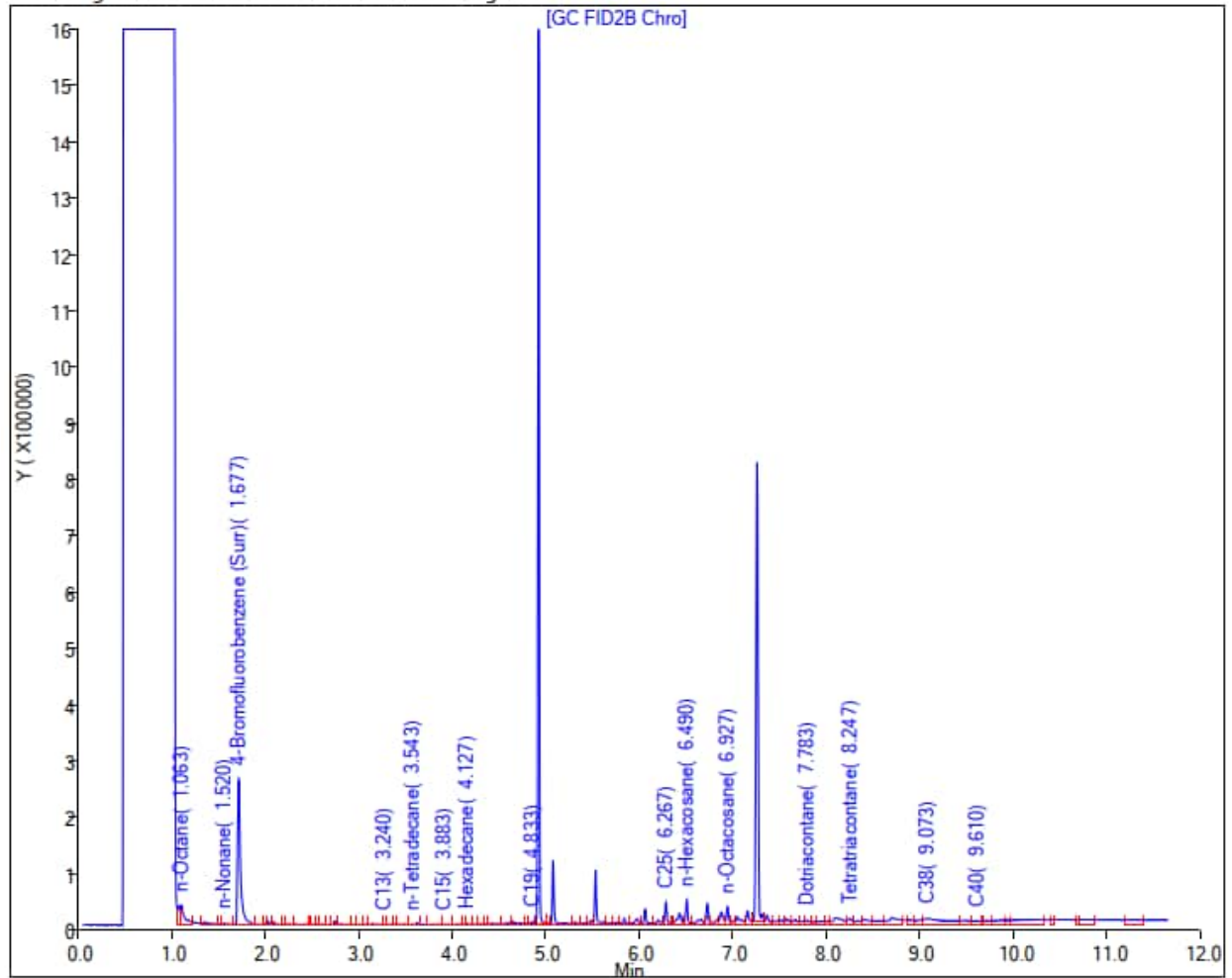
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW08
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN01B-2301WK1

Sample Date: 1/6/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 16-Jan-2023 11:32:33

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230114-86670.b\011423A043.D

Injection Date: 14-Jan-2023 21:36:14

Instrument ID: TAC129_R

Lims ID: 580-121982-N-1-A

Lab Sample ID: 580-121982-1

Client ID: RHMW08-WGN01B-2301WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 21

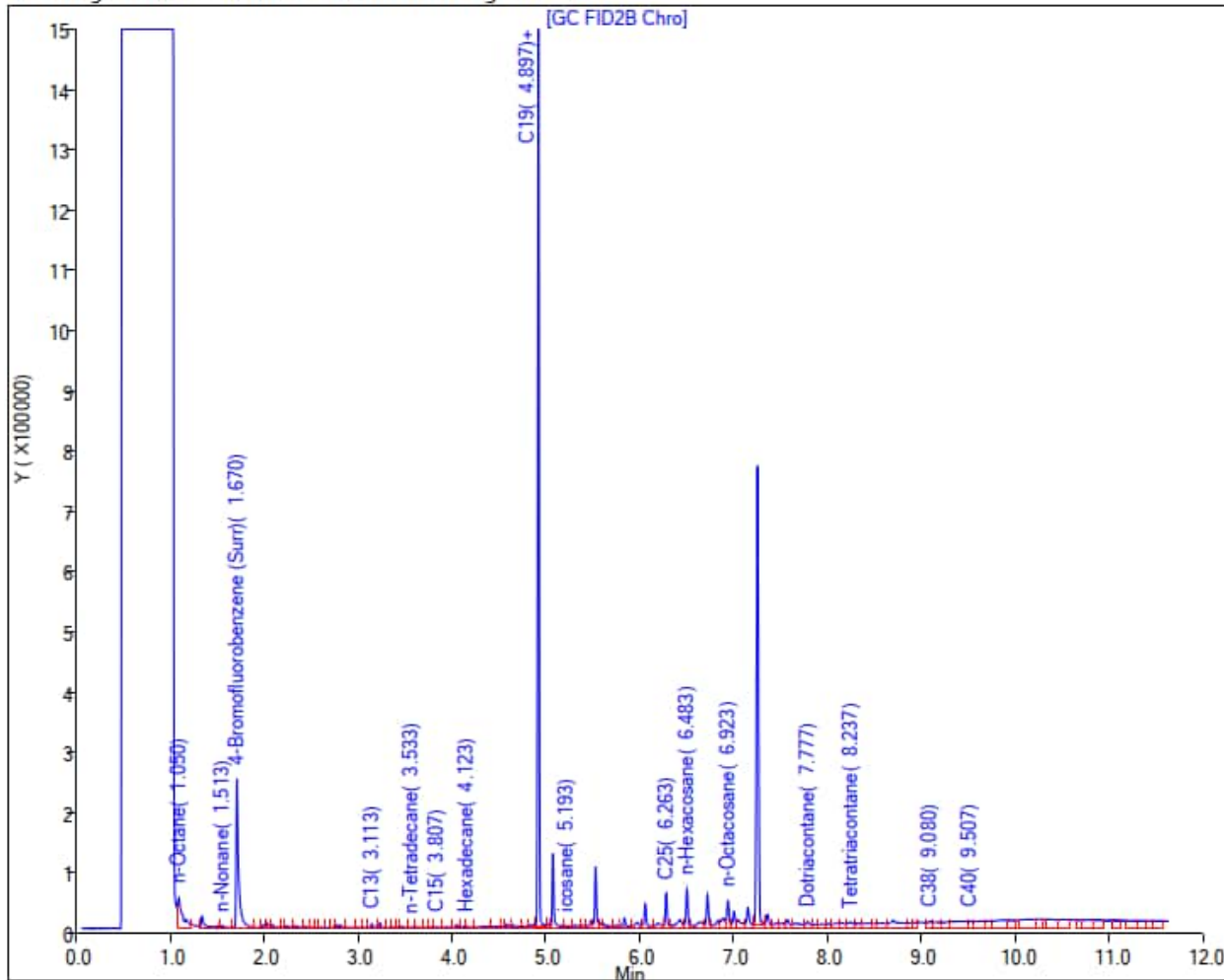
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW08
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN01B-2301WK2

Sample Date: 1/13/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 22-Jan-2023 16:56:58

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: \\chromfs\Seattle\ChromData\TAC020\20230120-86774.b\012023_013.D

Injection Date: 20-Jan-2023 23:40:14 Instrument ID: TAC020

Lims ID: 580-122261-N-6-A Lab Sample ID: 580-122261-6

Client ID: RHMW08-WGN01B-2301WK2

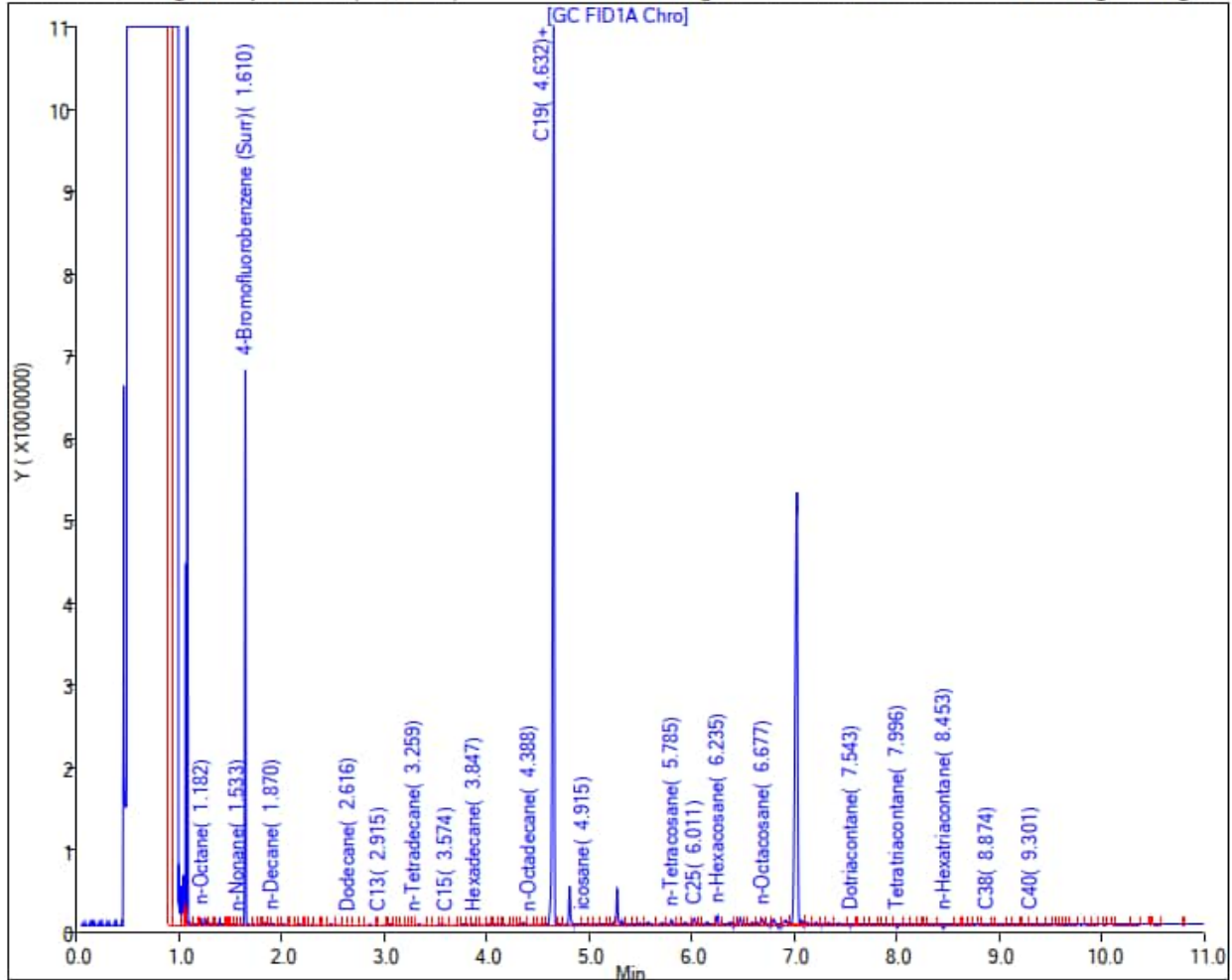
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW08
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN01B-2301WK3

Sample Date: 1/20/2023

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <300 UJ

Report Date: 02-Feb-2023 13:06:03

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Data File: \\chromfs\Seattle\Eurofins Seattle

Injection Date: 01-Feb-2023 20:11:03

Lims ID: 580-122586-O-6-A

Client ID: RHMW08-WGN01B-2301WK3

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-Front_TAC020

Column: ZB-1 High Temp. Inferno (0.25 mm)

Instrument ID: TAC020

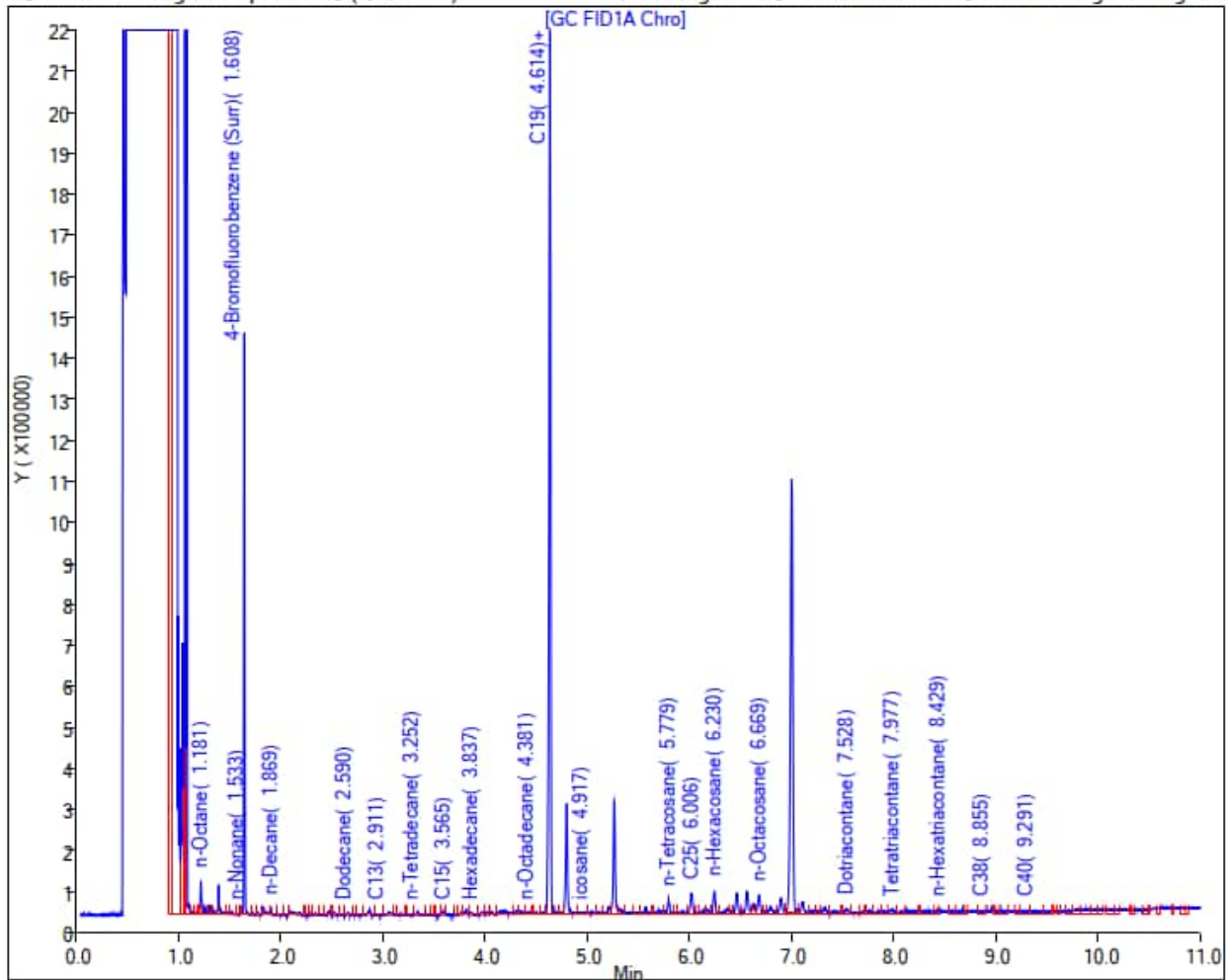
Lab Sample ID: 580-122586-6

ALS Bottle#: 0 Worklist Smp#: 31

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN02B-2211WK1

Sample Date: 11/9/2022

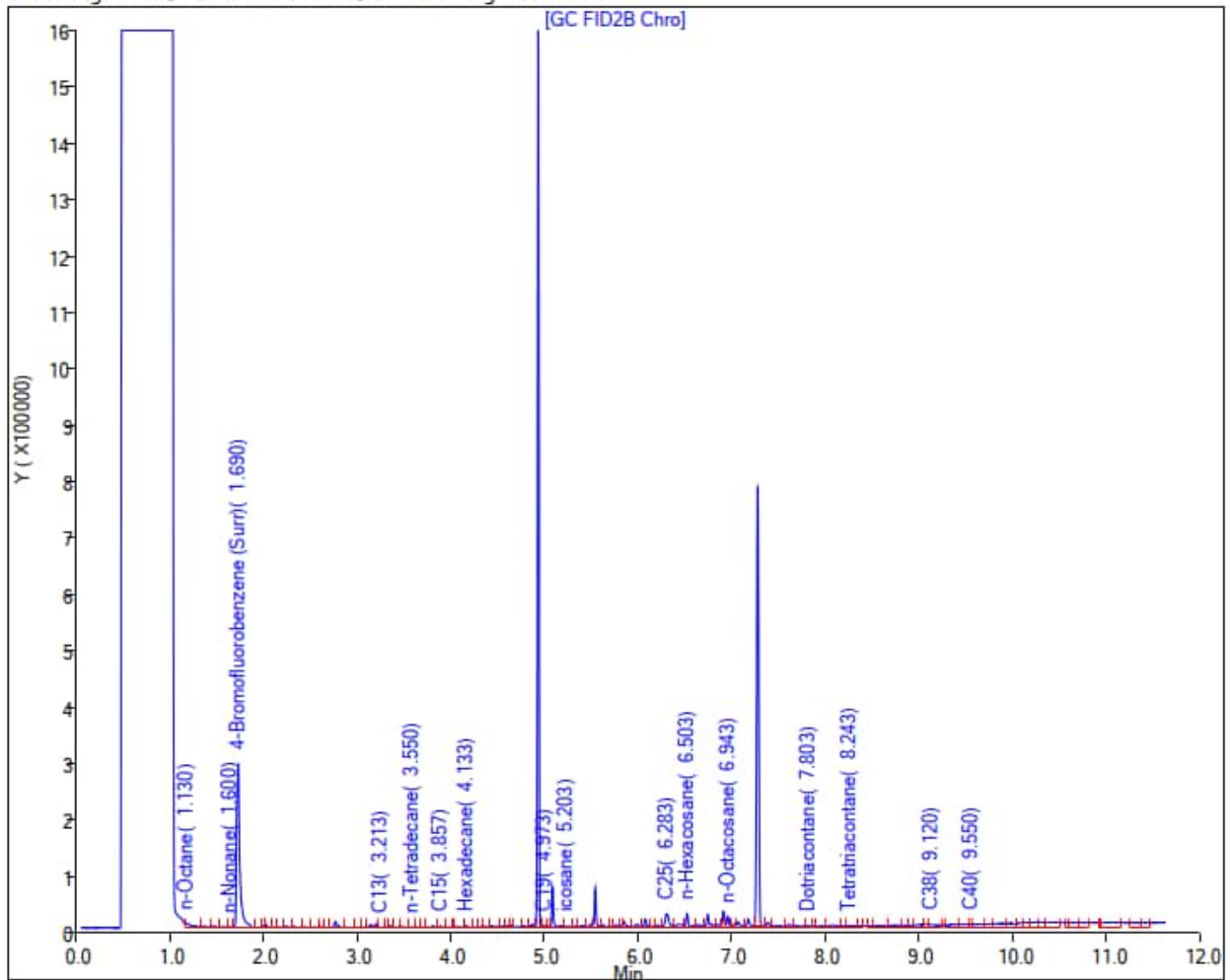
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 17-Nov-2022 11:54:54

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A031.D
Injection Date: 17-Nov-2022 02:44:16 Instrument ID: TAC129_R
Lims ID: 580-119958-N-4-A Lab Sample ID: 580-119958-4
Client ID: RHMW09-WGN02B-2211WK1
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 45
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN02B-2211WK2

Sample Date: 11/16/2022

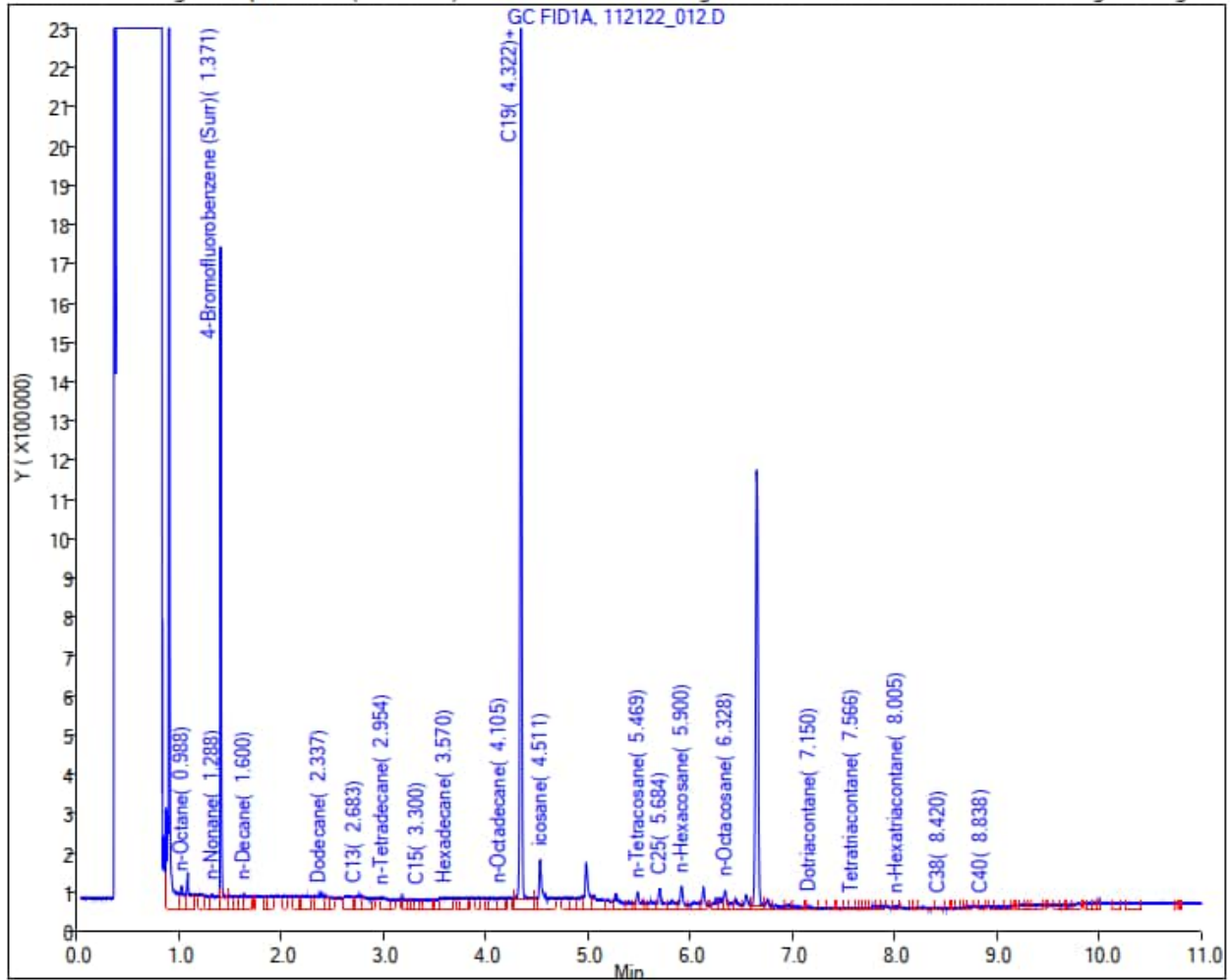
Results (ug/L): TPH-d (C10 to C24) 100 J

TPH-o (C24 to C40) <310 U

Report Date: 22-Nov-2022 14:57:52

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_012.D
Injection Date: 21-Nov-2022 21:21:30 Instrument ID: TAC020
Lims ID: 580-120140-N-5-A Lab Sample ID: 580-120140-5
Client ID: RHMW09-WGN02B-2211WK2
Operator ID: DH ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 23-Nov-2022 12:59:31

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221122-85928.b\1122ab22A027.D

Injection Date: 22-Nov-2022 20:45:08

Instrument ID: TAC129_R

Lims ID: 580-120140-N-5-C

Lab Sample ID: 580-120140-5

Client ID: RHMW09-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 24

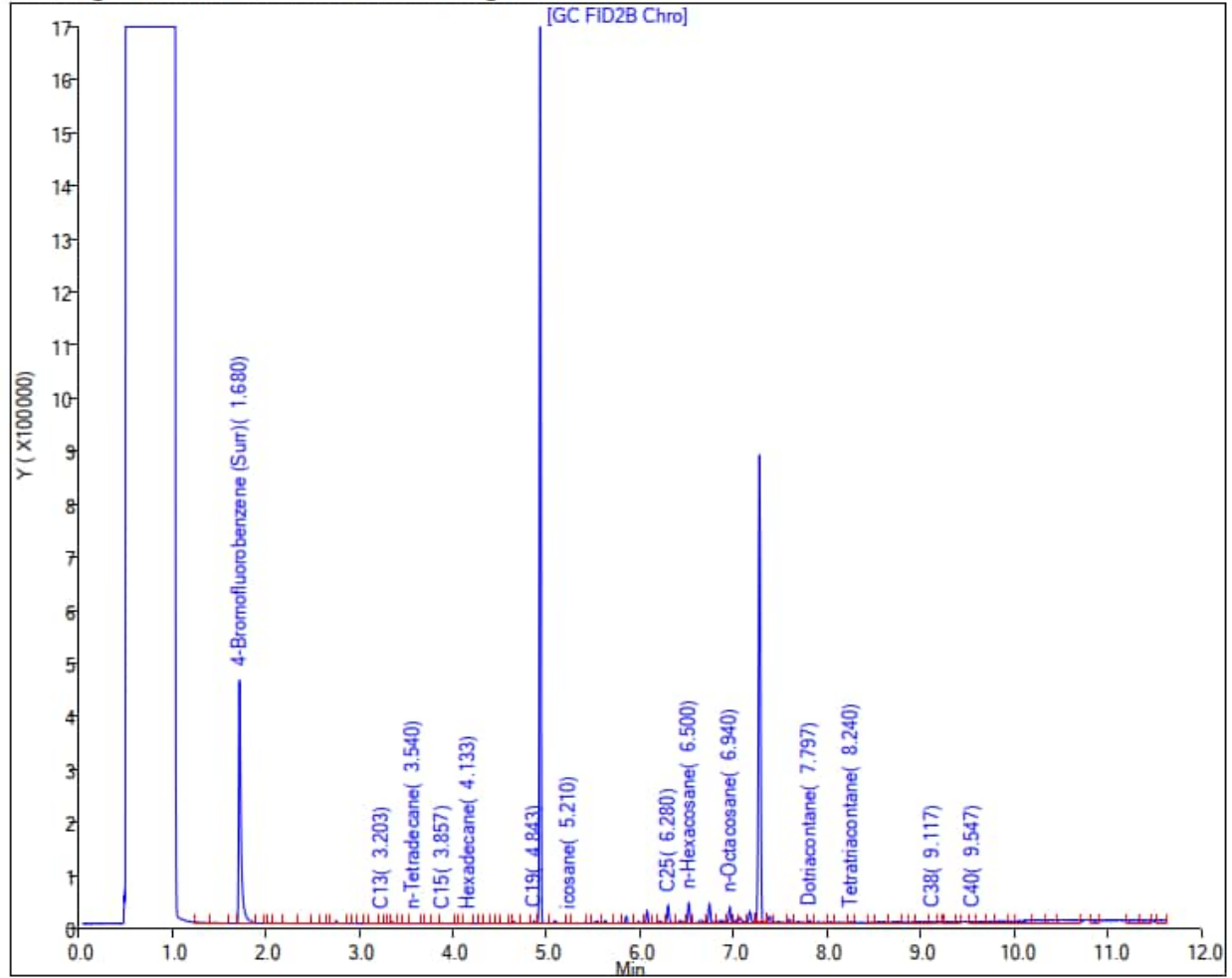
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2211WK3

Sample Date: 11/19/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 12-Dec-2022 15:02:27

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Data File: \\chromfs\Seattle\ChromData\TAC129\20221209-86195.b\120922A014.D

Eurofins Seattle

Injection Date: 09-Dec-2022 22:53:23

Instrument ID: TAC129

Lims ID: 580-120304-O-1-B

Lab Sample ID: 580-120304-1

Client ID: RHMW09-WGN01B-2211WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 7

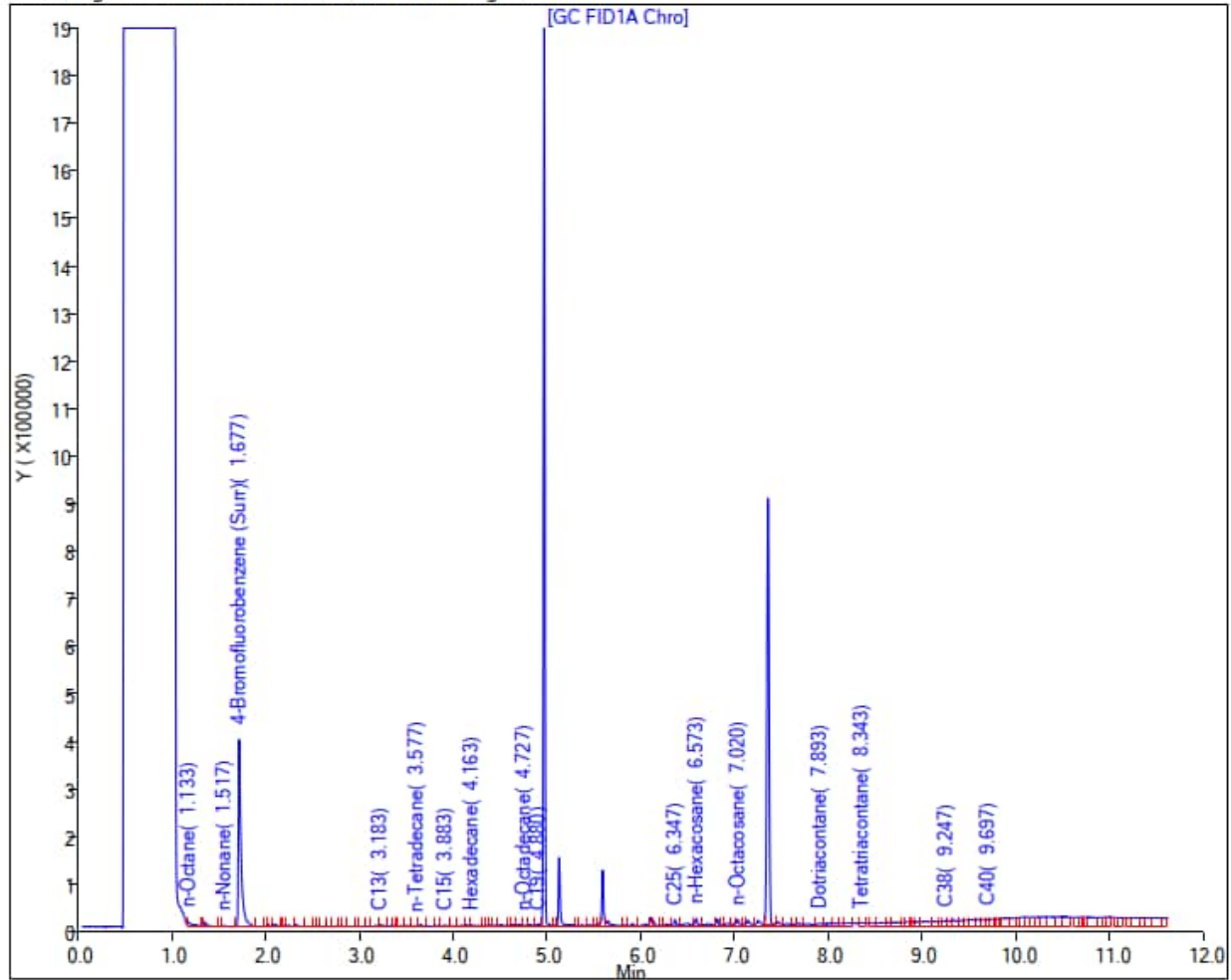
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2211WK4

Sample Date: 11/28/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 05-Dec-2022 14:25:08

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A025.D

Injection Date: 03-Dec-2022 21:49:05 Instrument ID: TAC129_R

Lims ID: 580-120540-N-13-A Lab Sample ID: 580-120540-13

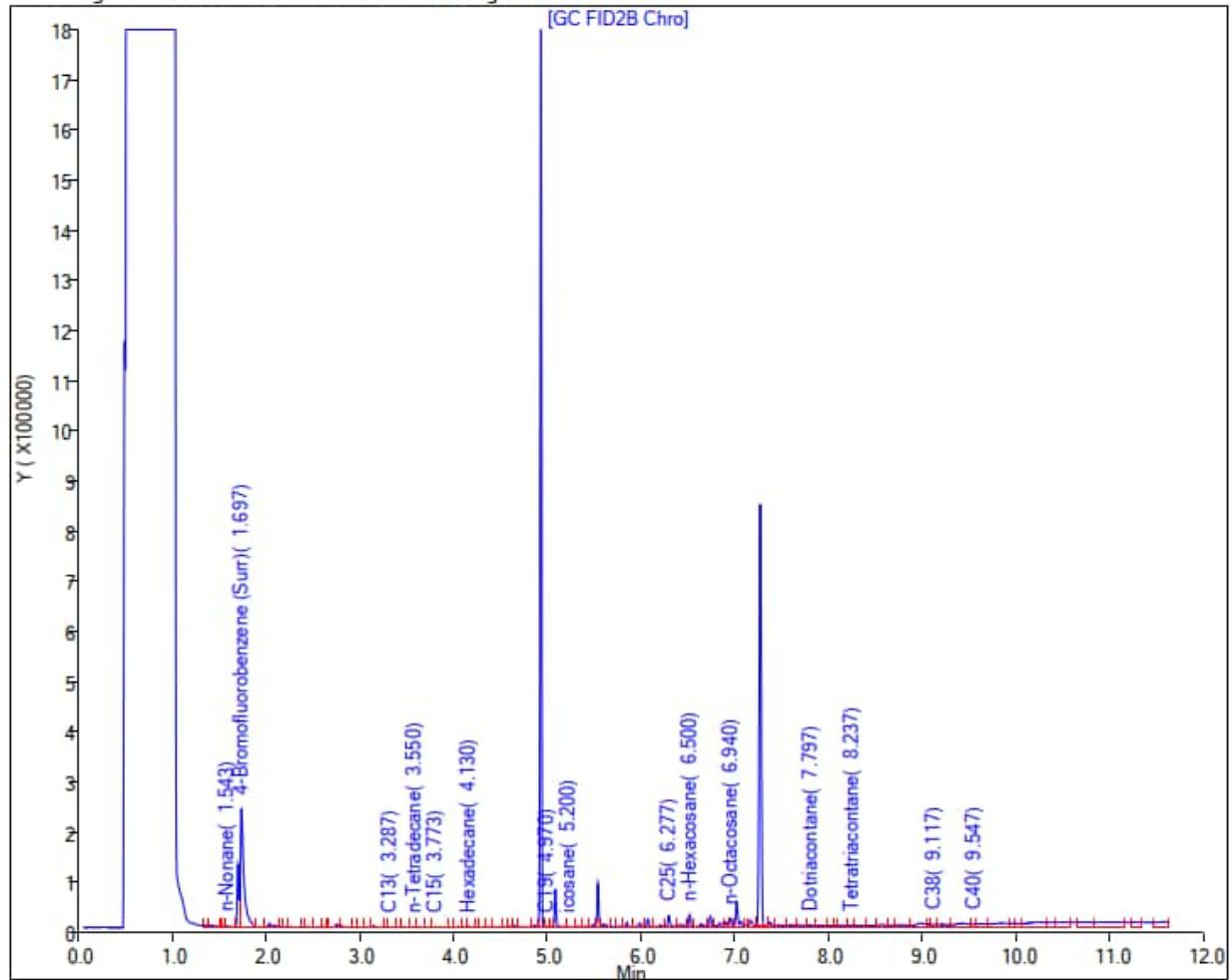
Client ID: RHMW09-WGN01B-2211WK4

Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2212WK3

Sample Date: 12/23/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 04-Jan-2023 14:44:25

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230103-86496.b\010323A035.D

Injection Date: 03-Jan-2023 18:26:41

Instrument ID: TAC129_R

Lims ID: 580-121570-F-3-A

Lab Sample ID: 580-121570-3

Client ID: RHMW09-WGN01B-2212WK3

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 24

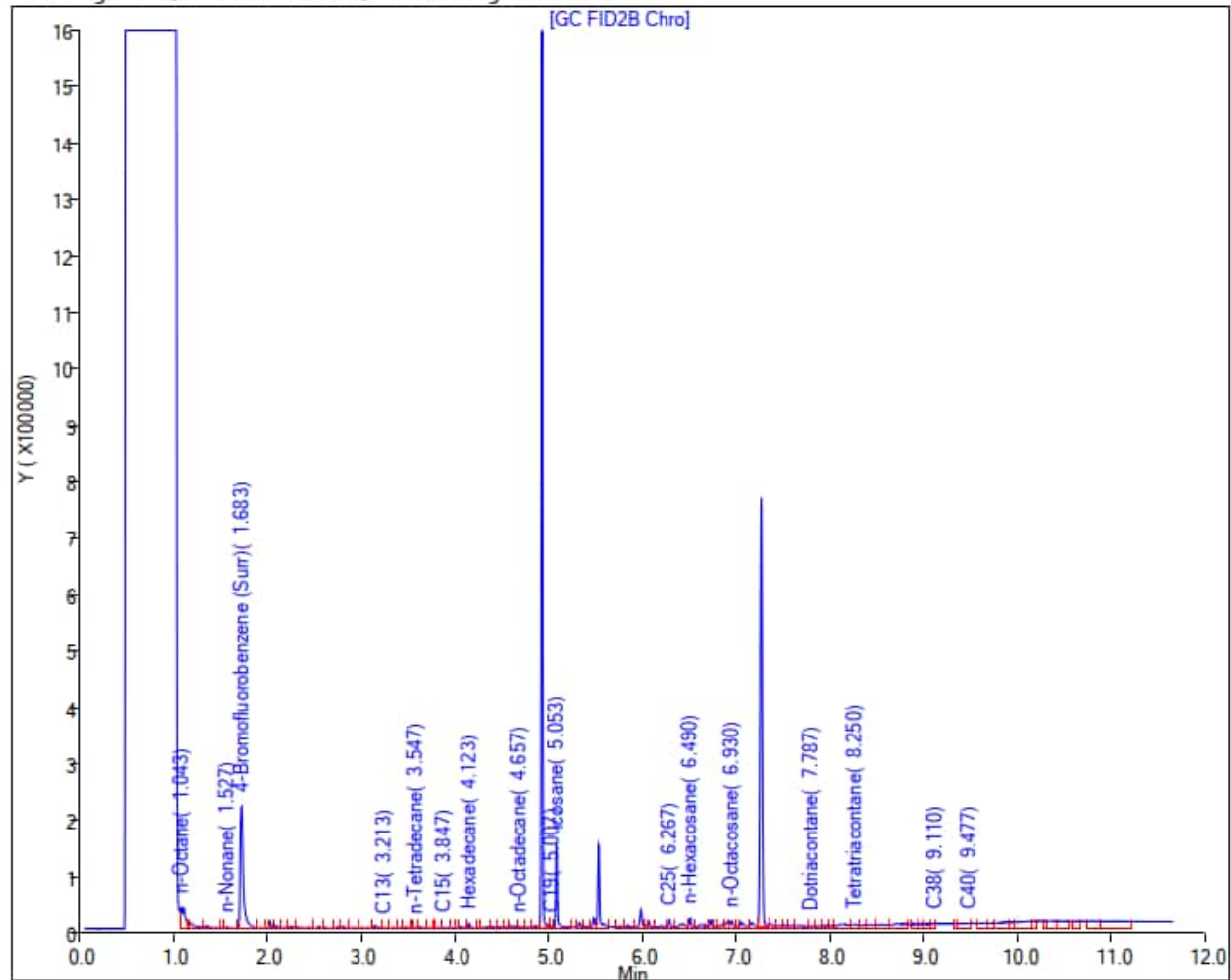
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2212WK4

Sample Date: 12/27/2022

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 05-Jan-2023 22:00:59

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A027.D

Injection Date: 05-Jan-2023 19:19:32

Instrument ID: TAC129_R

Lims ID: 580-121666-F-5-A

Lab Sample ID: 580-121666-5

Client ID: RHMW09-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 29

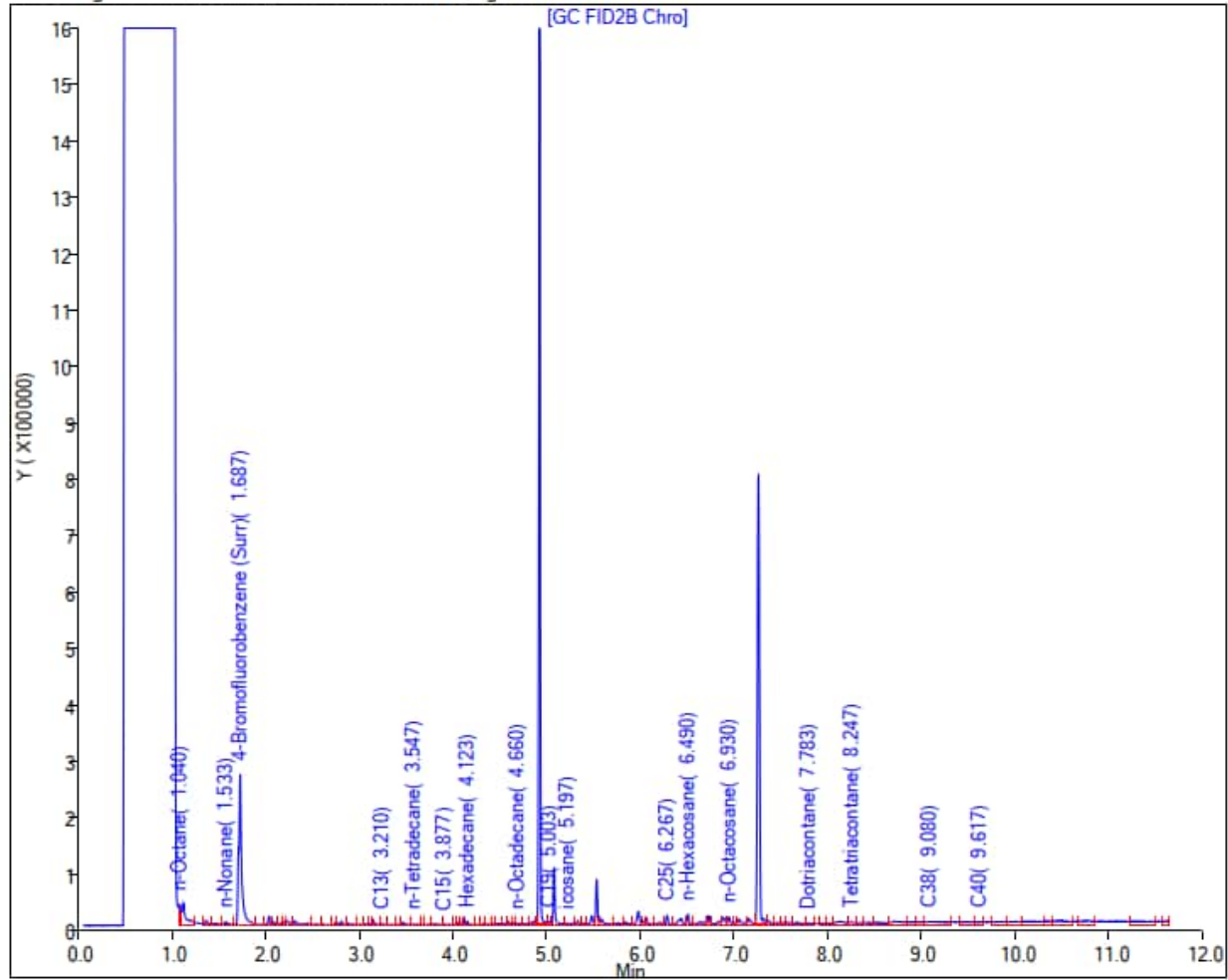
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2301WK1

Sample Date: 1/3/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 13-Jan-2023 14:24:16

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\011223A055.D

Injection Date: 12-Jan-2023 20:25:10

Instrument ID: TAC129_R

Lims ID: 580-121791-N-1-A

Lab Sample ID: 580-121791-1

Client ID: RHMW09-WGN01B-2301WK1

Operator ID: kw/cc

ALS Bottle#: 0 Worklist Smp#: 23

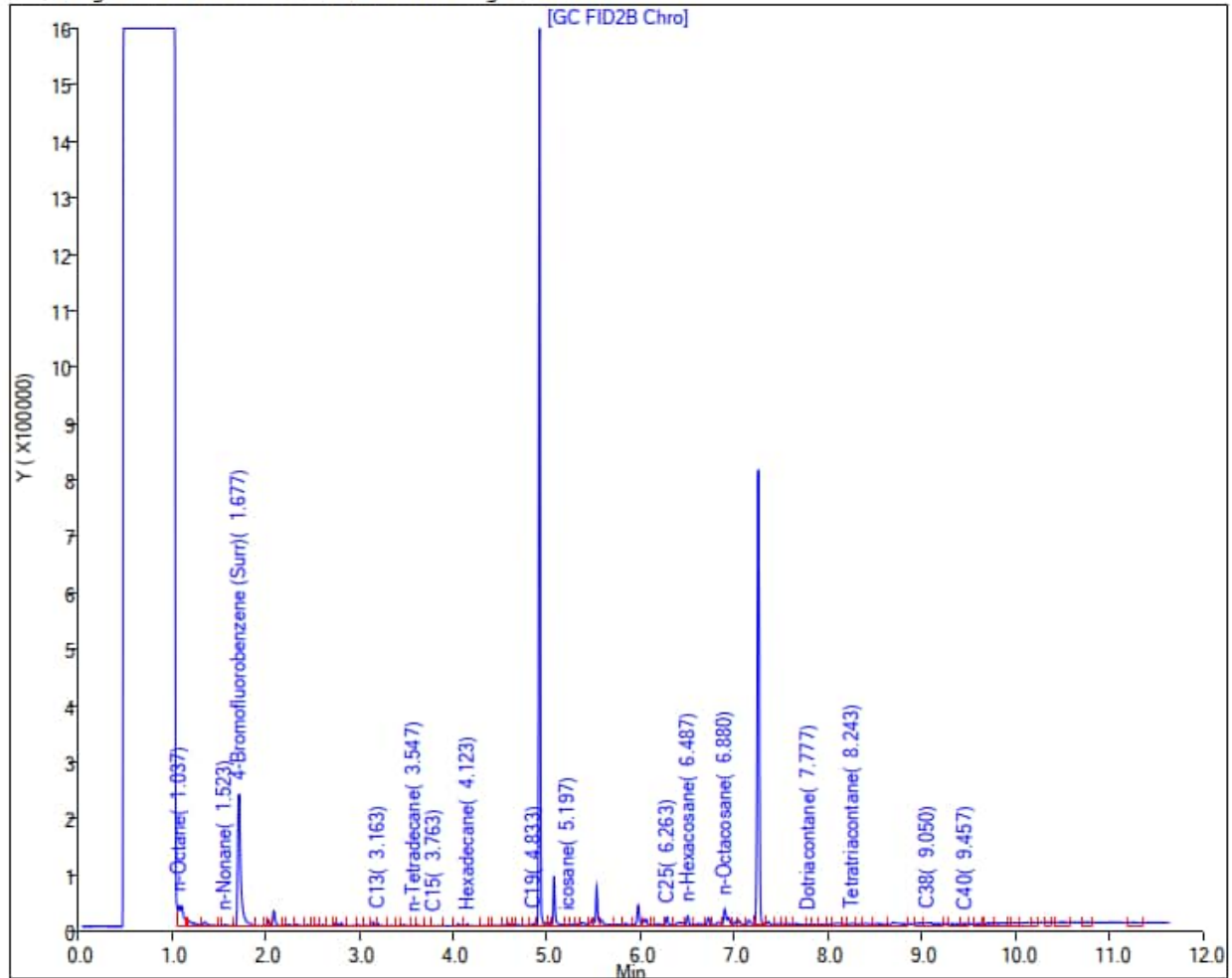
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2301WK2

Sample Date: 1/9/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 18-Jan-2023 09:37:09

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86698.b\011723A035.D

Eurofins Seattle

Injection Date: 17-Jan-2023 13:49:04

Instrument ID: TAC129_R

Lims ID: 580-122000-N-5-A

Lab Sample ID: 580-122000-5

Client ID: RHMW09-WGN01B-2301WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 17

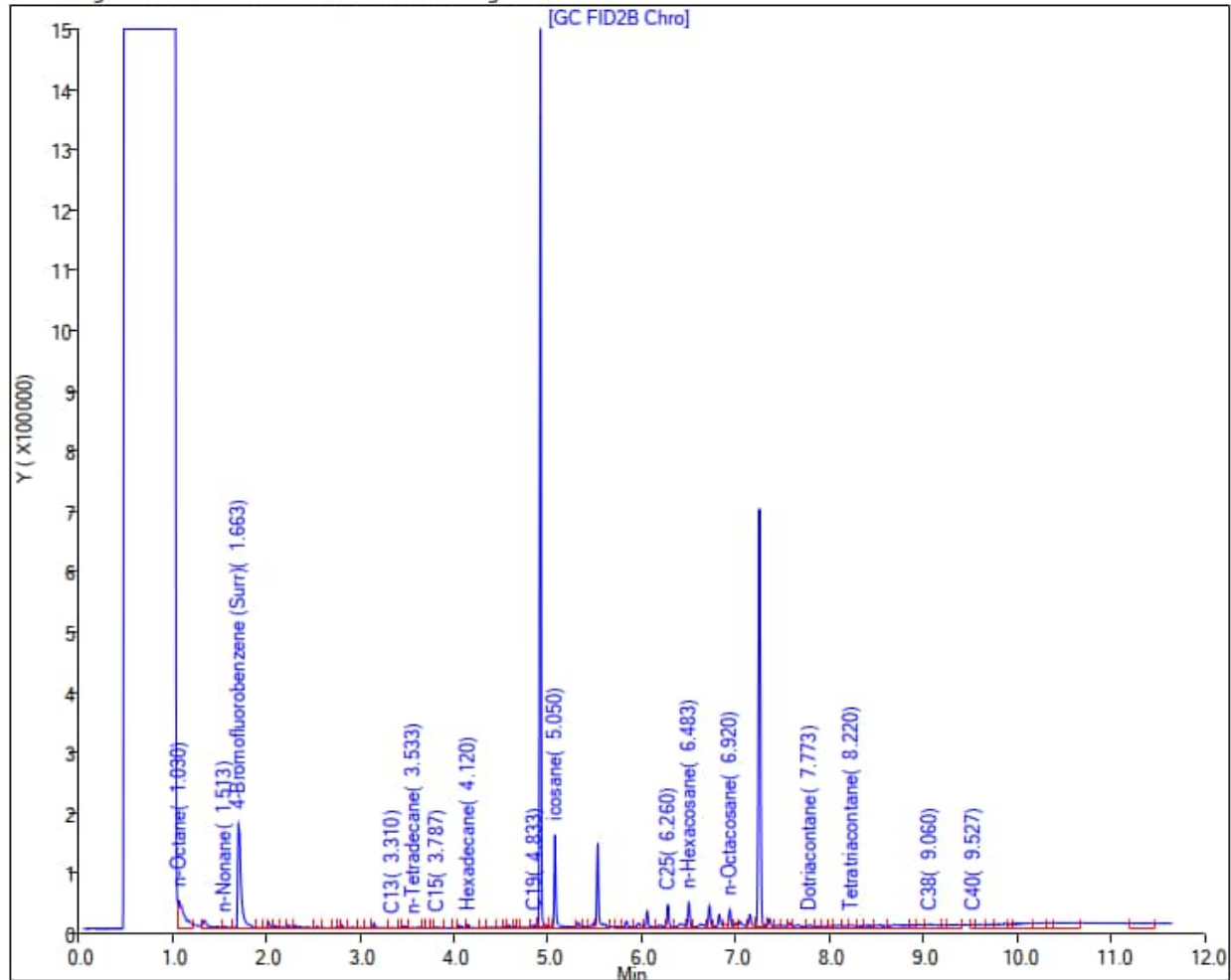
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2301WK3

Sample Date: 1/16/2023

Results (ug/L): TPH-d (C10 to C24) 110

TPH-o (C24 to C40) 230

Report Date: 24-Jan-2023 08:37:40

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: Eurofins Seattle

Injection Date: 24-Jan-2023 08:16:49

Lims ID: 580-122282-O-13-A

Client ID: RHMW09-WGN01B-2301WK3

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-Front_TAC020

Column: ZB-1 High Temp. Inferno (0.25 mm)

Instrument ID: TAC020

Lab Sample ID: 580-122282-13

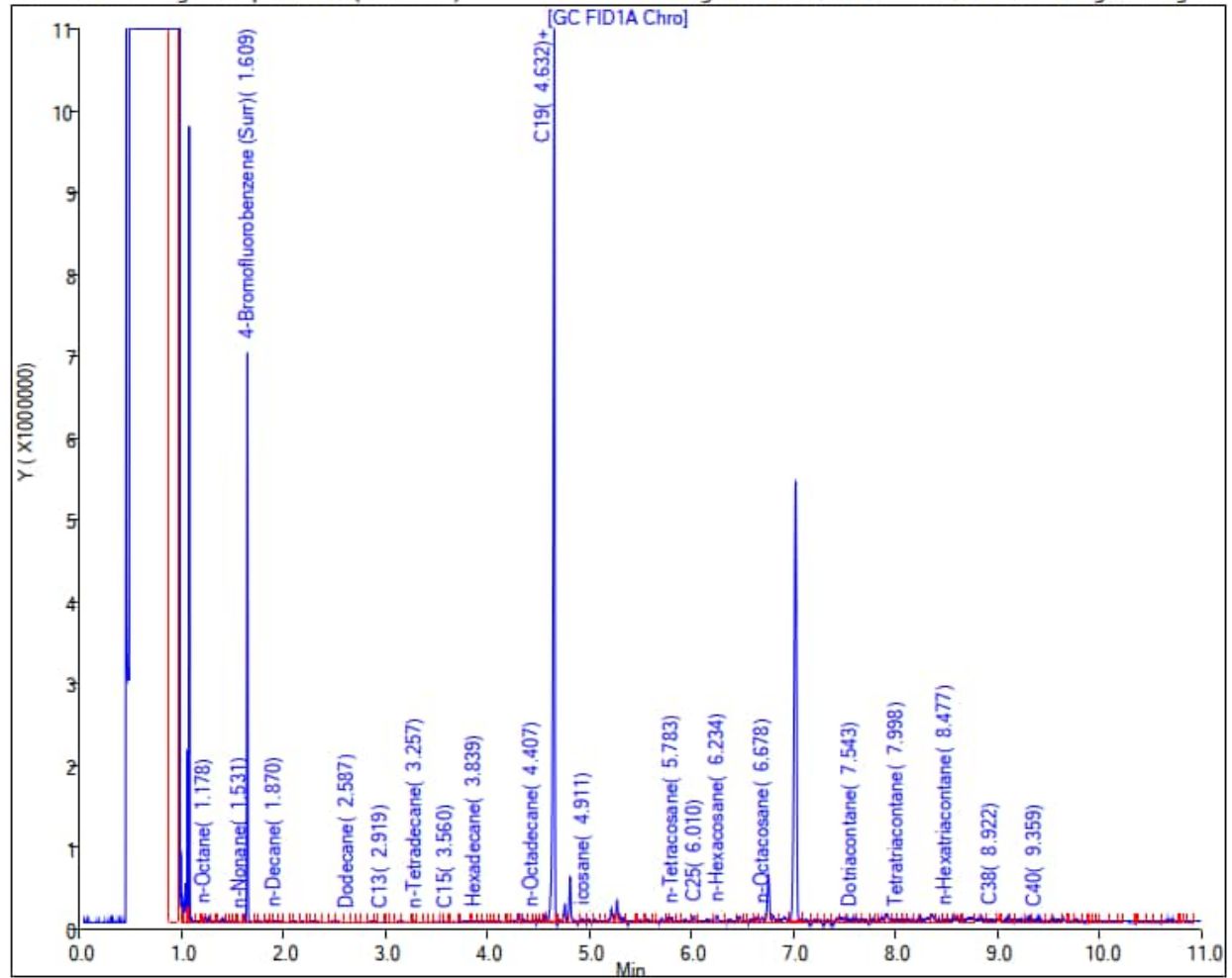
ALS Bottle#: 0

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

Worklist Smp#: 67



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 26-Jan-2023 08:13:15

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230125-86822.b\012523A032.D

Injection Date: 25-Jan-2023 23:44:25

Instrument ID: TAC129

Lims ID: 580-122282-O-13-B

Lab Sample ID: 580-122282-13

Client ID: RHMW09-WGN01B-2301WK3

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 16

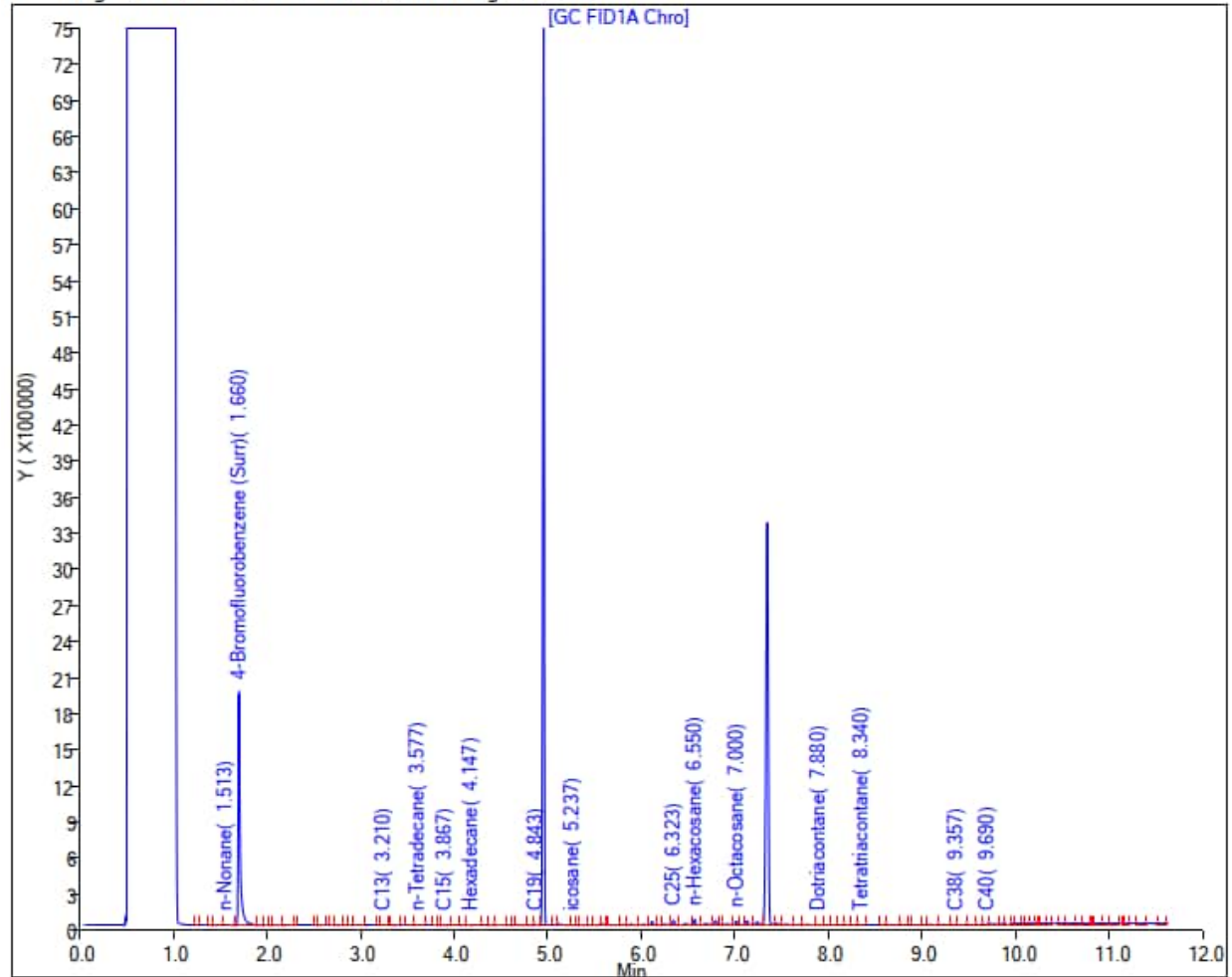
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2301WK4

Sample Date: 1/23/2023

Results (ug/L): TPH-d (C10 to C24) 110

TPH-o (C24 to C40) <310 U

Report Date: 31-Jan-2023 11:47:22

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230130-86859.b\013023_027.D

Injection Date: 30-Jan-2023 17:44:15

Instrument ID: TAC020

Lims ID: 580-122632-F-8-A

Lab Sample ID: 580-122632-8

Client ID: RHMW09-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul

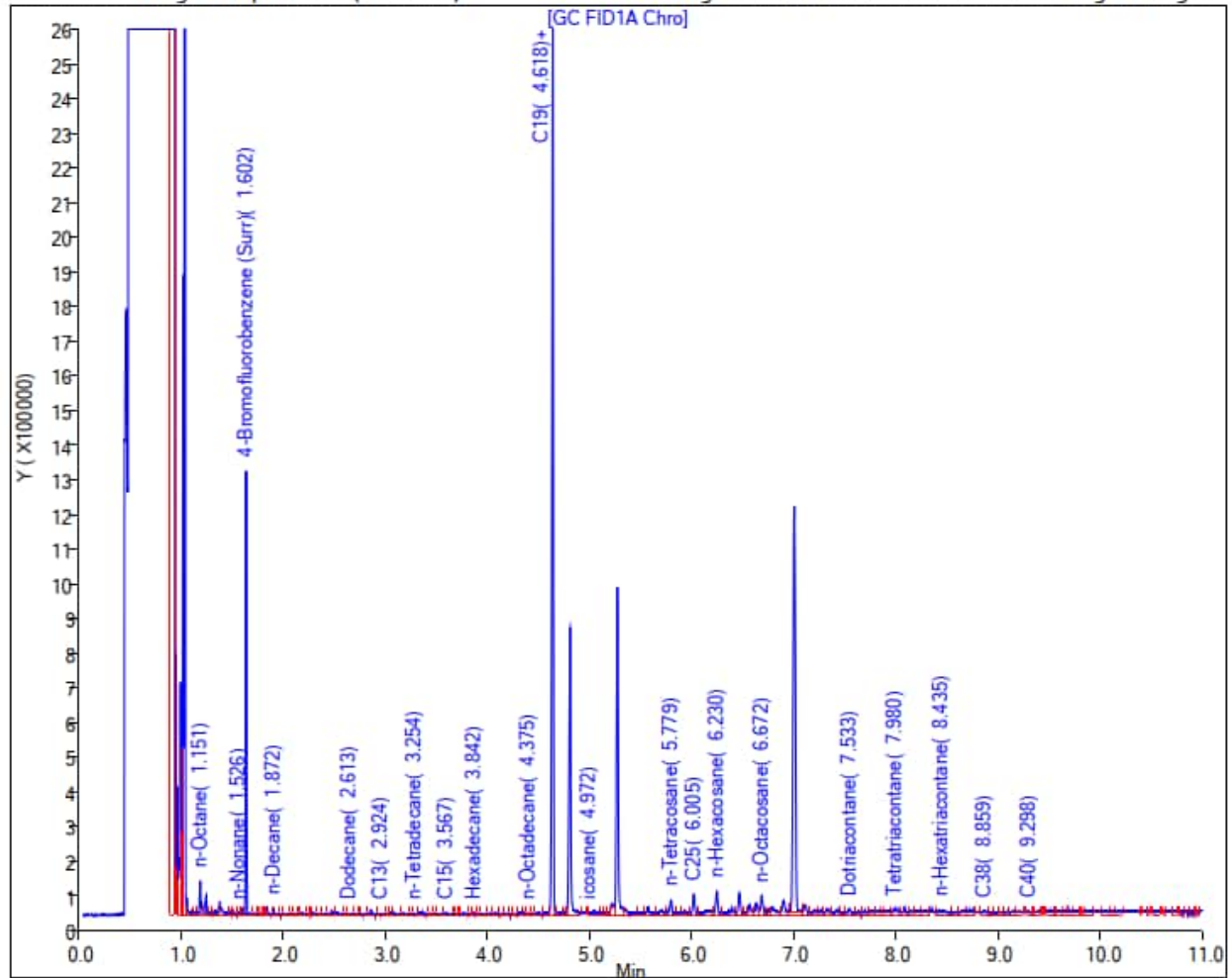
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 01-Feb-2023 10:56:29

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230131-86877.b\013123_052.D

Injection Date: 01-Feb-2023 02:58:02

Instrument ID: TAC020

Lims ID: 580-122632-F-8-B

Lab Sample ID: 580-122632-8

Client ID: RHMW09-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 52

Injection Vol: 1.0 ul

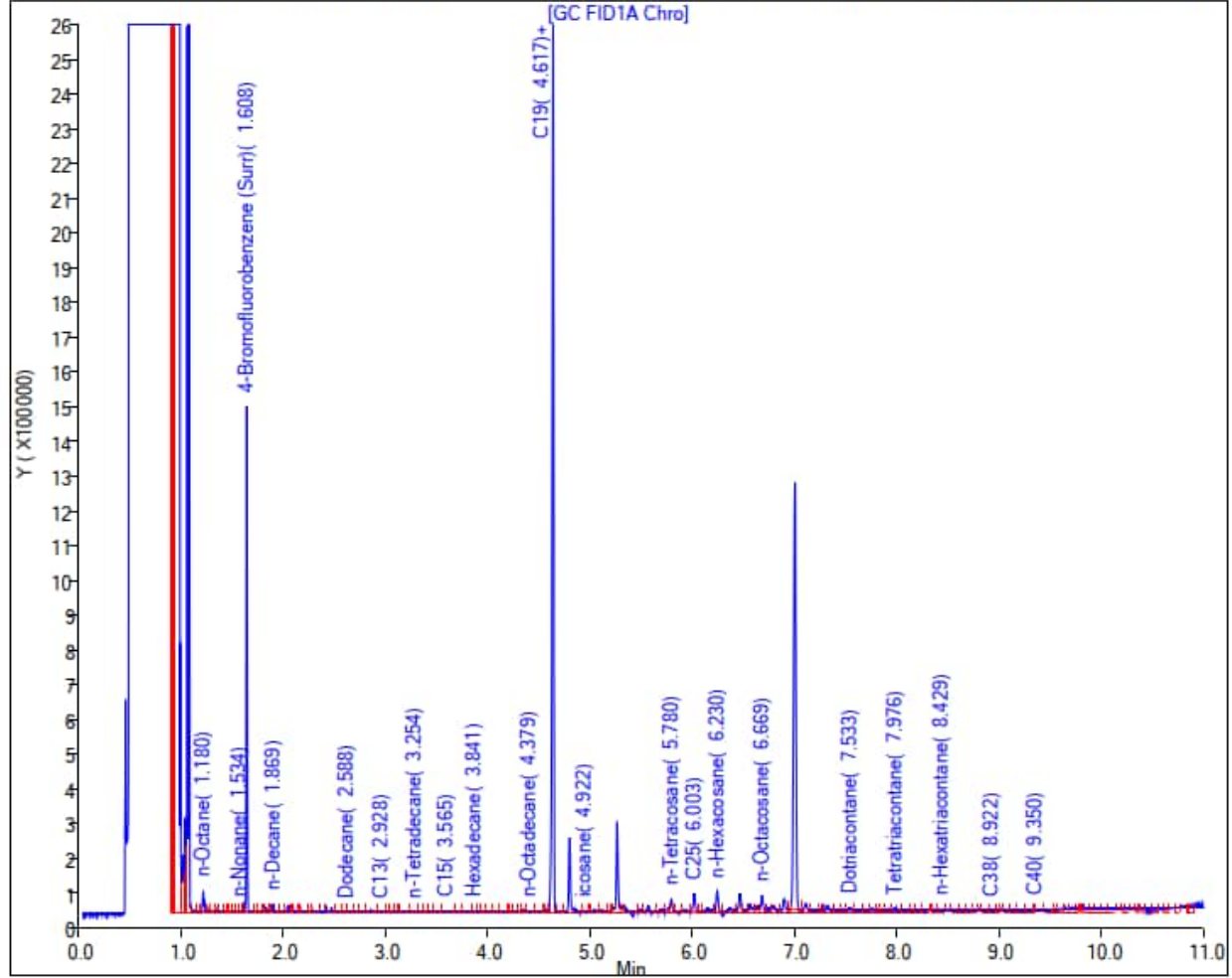
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2211WK1 Sample Date: 11/9/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 16-Nov-2022 12:11:38

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85807.b\091522A031.D

Injection Date: 16-Nov-2022 04:01:15

Instrument ID: TAC129_R

Lims ID: 580-119908-N-7-A

Lab Sample ID: 580-119908-7

Client ID: RHMW11-05-WGN01G-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 43

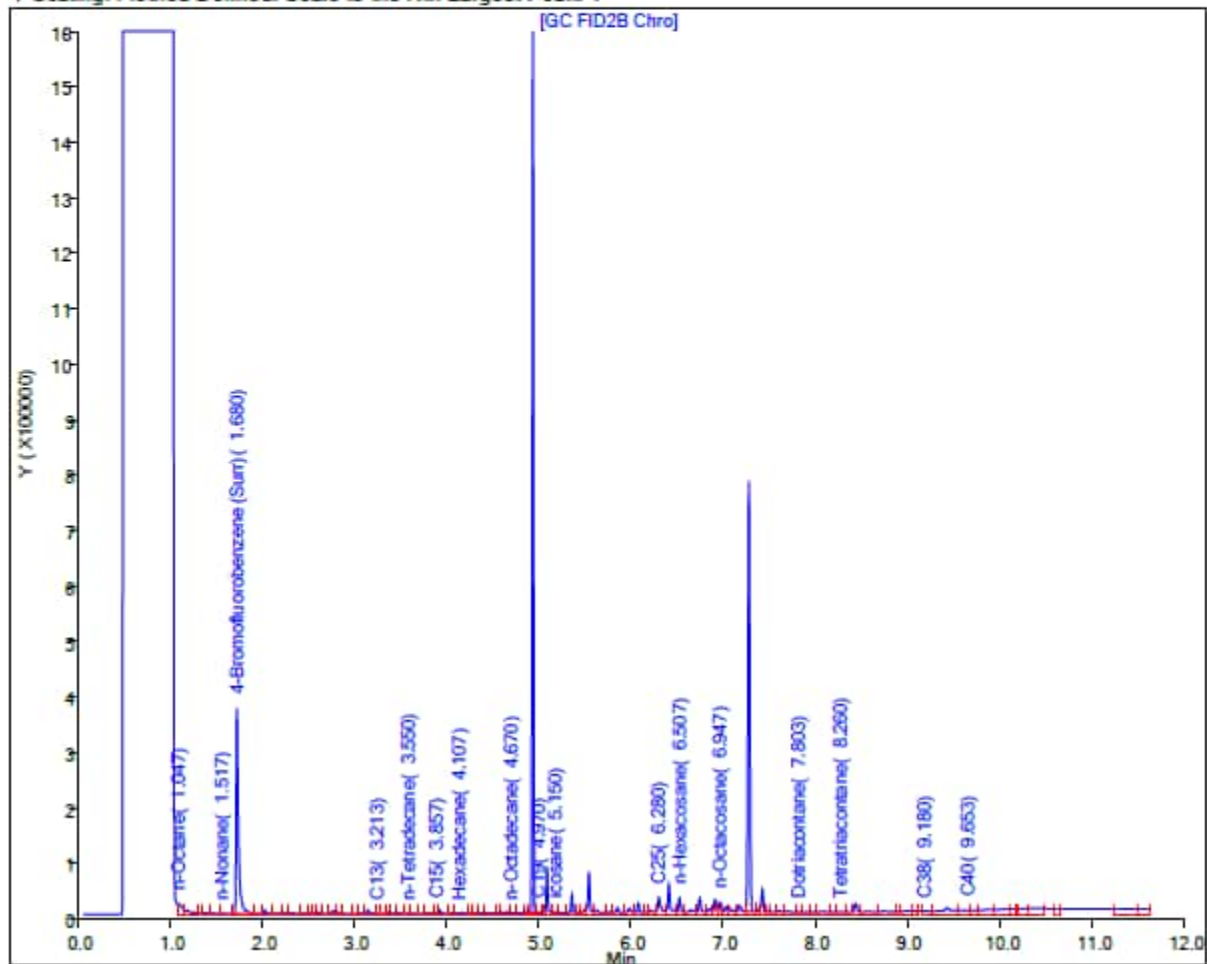
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2211WK2 Sample Date: 11/16/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 84 J

TPH-o (C24 to C40) <310 U

Report Date: 22-Nov-2022 14:59:10

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_015.D

Injection Date: 21-Nov-2022 22:22:30

Instrument ID: TAC020

Lims ID: 580-120140-O-9-A

Lab Sample ID: 580-120140-9

Client ID: RHMW11-05-WGN01G-2211WK2

Operator ID: DH

ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul

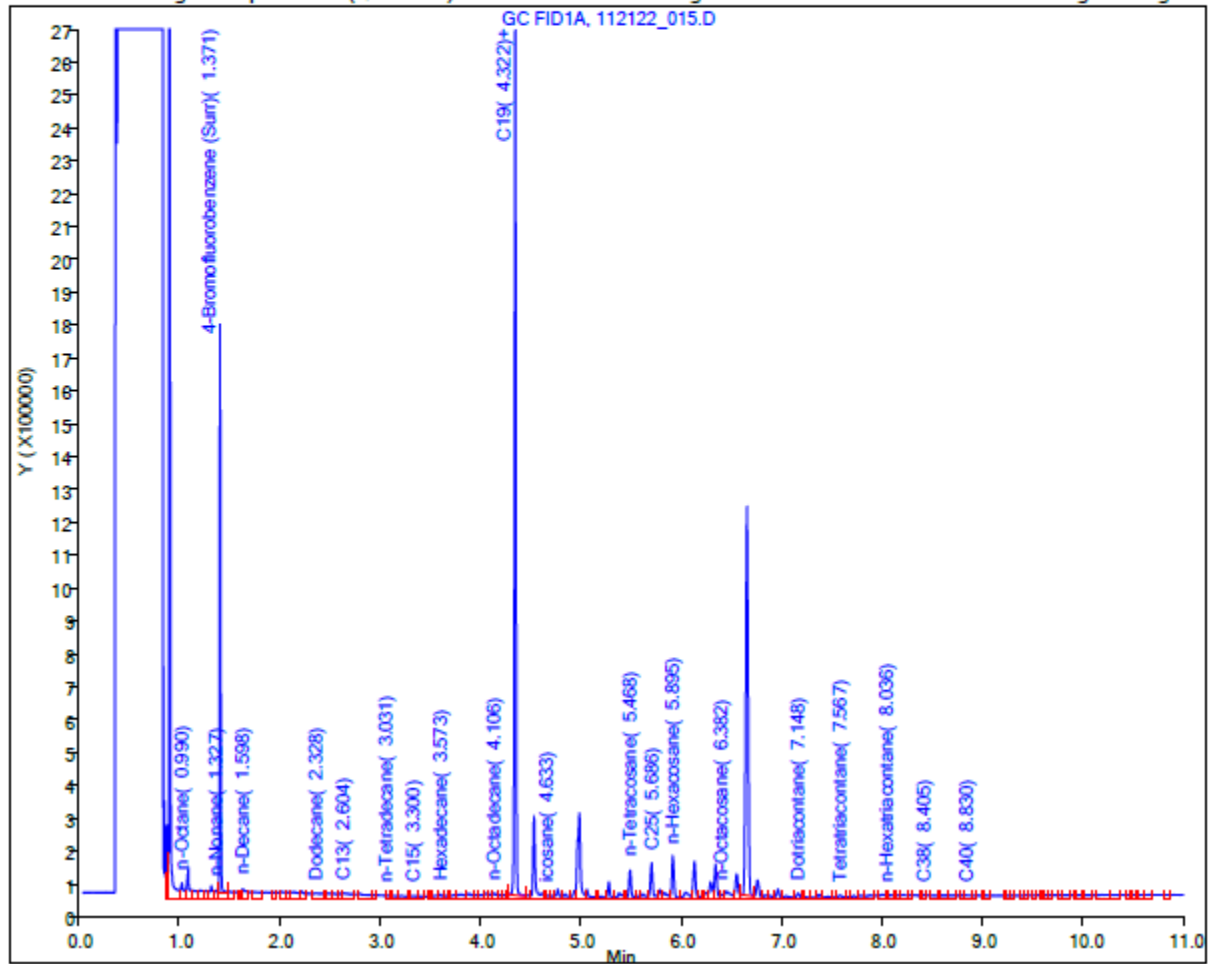
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 23-Nov-2022 12:59:39

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221122-85928_b\1122ab22A031.D

Injection Date: 22-Nov-2022 21:22:39

Instrument ID: TAC129_R

Lims ID: 580-120140-O-9-C

Lab Sample ID: 580-120140-9

Client ID: RHMW11-05-WGN01G-2211WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 26

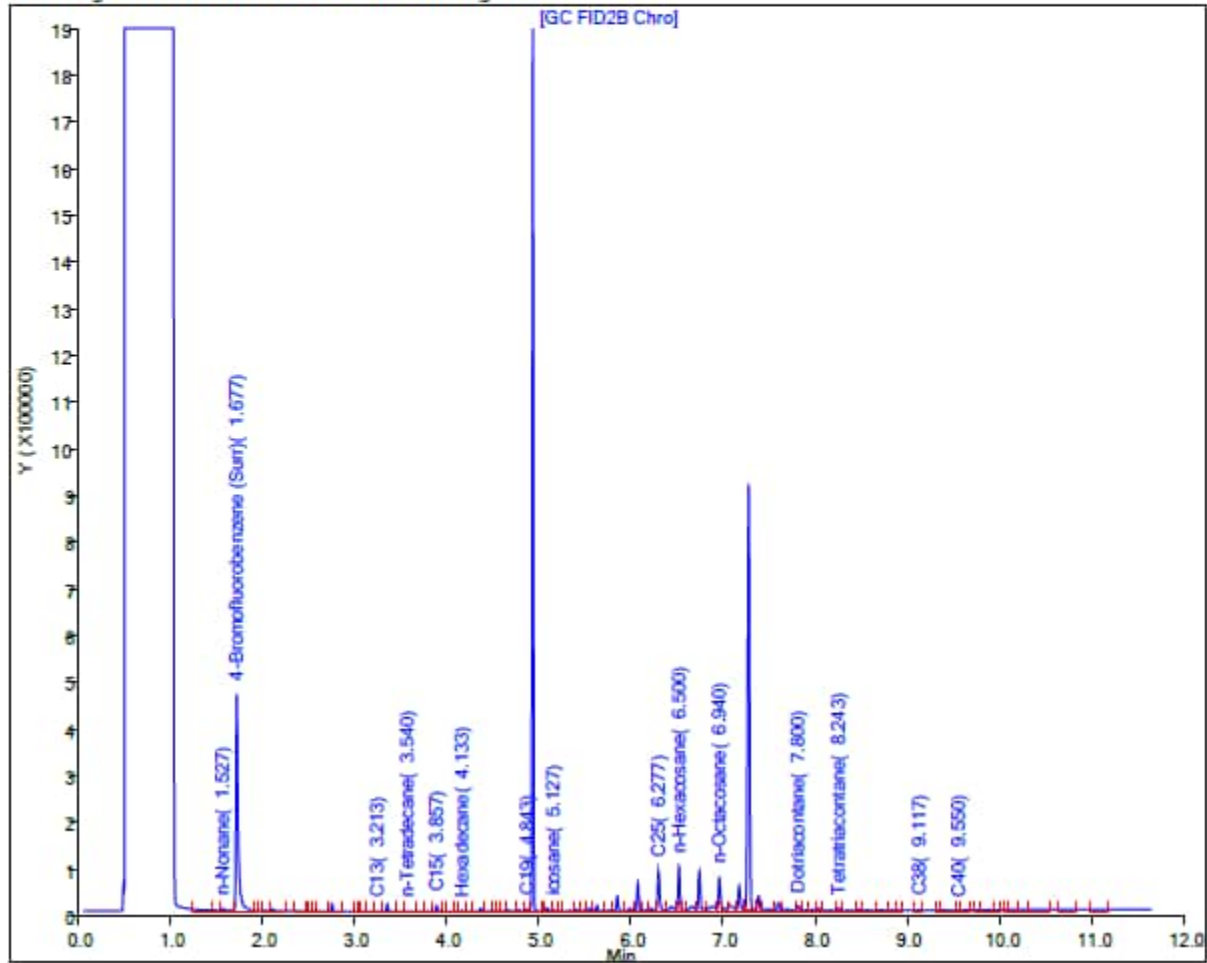
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

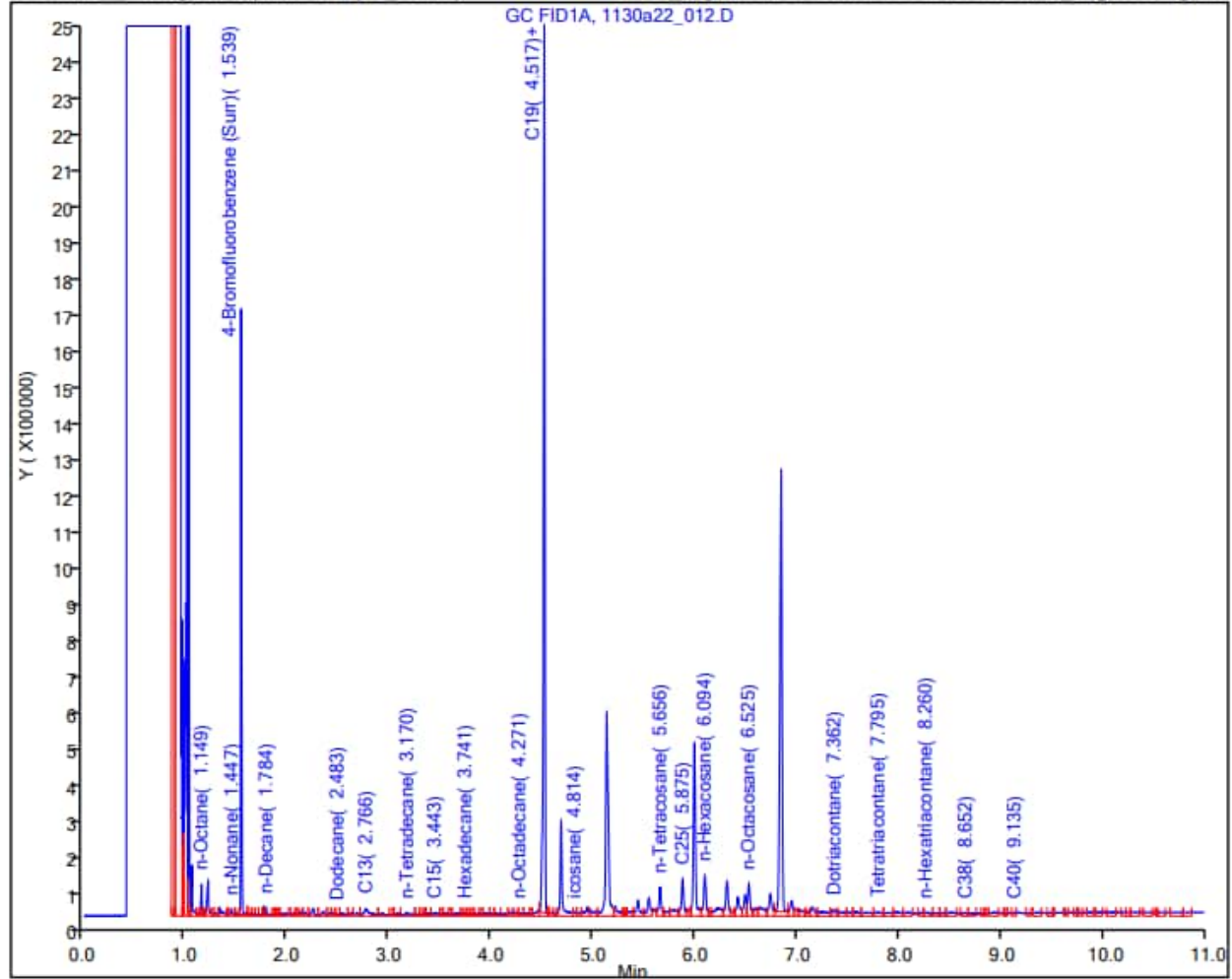


Location: RHMW11-05 Sample ID: RHMW11-05-WGN02G-2211WK3 Sample Date: 11/23/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 97 J TPH-o (C24 to C40) <310 U

Report Date: 01-Dec-2022 15:38:41 Chrom Revision: 2.3 01-Dec-2022 08:01:02
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20221130-86038.b\1130a22_012.D
Injection Date: 01-Dec-2022 00:48:30 Instrument ID: TAC020
Lims ID: 580-120438-O-6-A Lab Sample ID: 580-120438-6
Client ID: RHMW11-05-WGN02G-2211WK3
Operator ID: DH ALS Bottle#: 12 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 06-Dec-2022 15:37:04

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurolins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221205-86109.b\120522_036.D

Injection Date: 06-Dec-2022 04:29:30

Instrument ID: TAC020

Lims ID: 580-120438-O-6-B

Lab Sample ID: 580-120438-6

Client ID: RHMW11-05-WGN02G-2211WK3

Operator ID: DH

ALS Bottle#: 29 Worklist Smp#: 29

Injection Vol: 1.0 ul

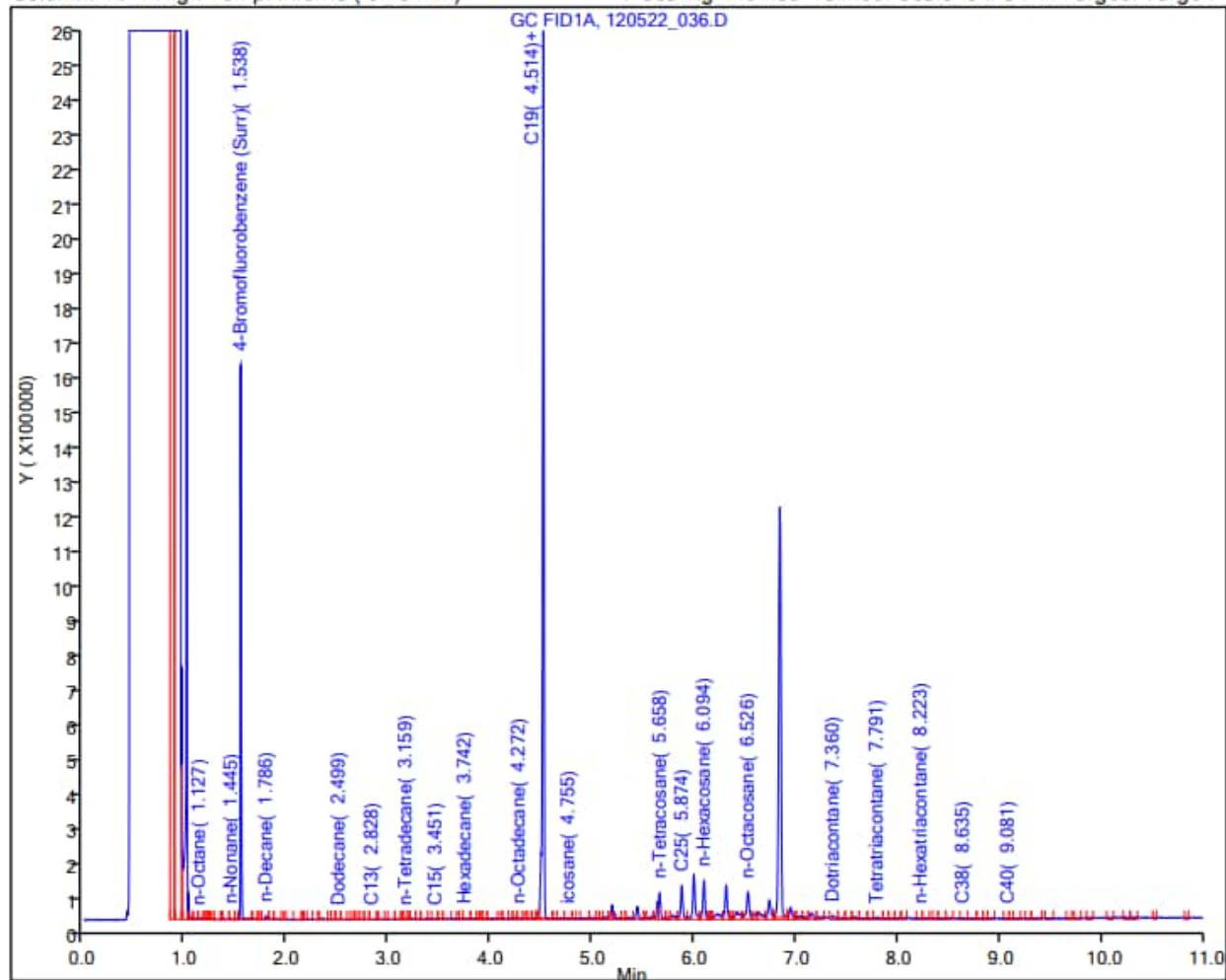
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2211WK4 Sample Date: 11/29/2022

Lab: Eurofins Seattle

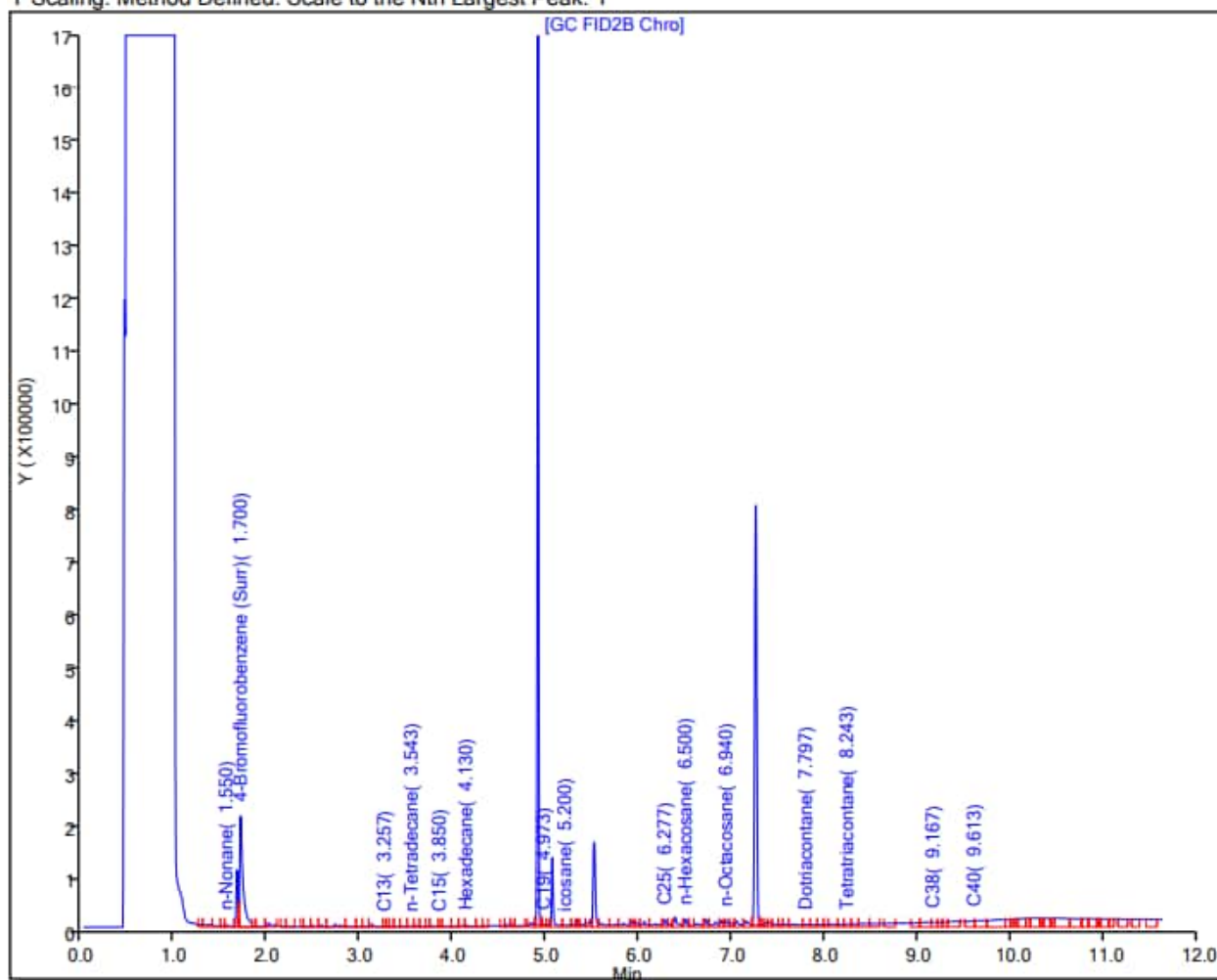
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 05-Dec-2022 14:25:18

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A029.D
Injection Date: 03-Dec-2022 22:26:06 Instrument ID: TAC129_R
Lims ID: 580-120540-N-16-A Lab Sample ID: 580-120540-16
Client ID: RHMW11-05-WGN01G-2211WK4
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2212WK3 Sample Date: 12/20/2022

Lab: Eurofins Seattle

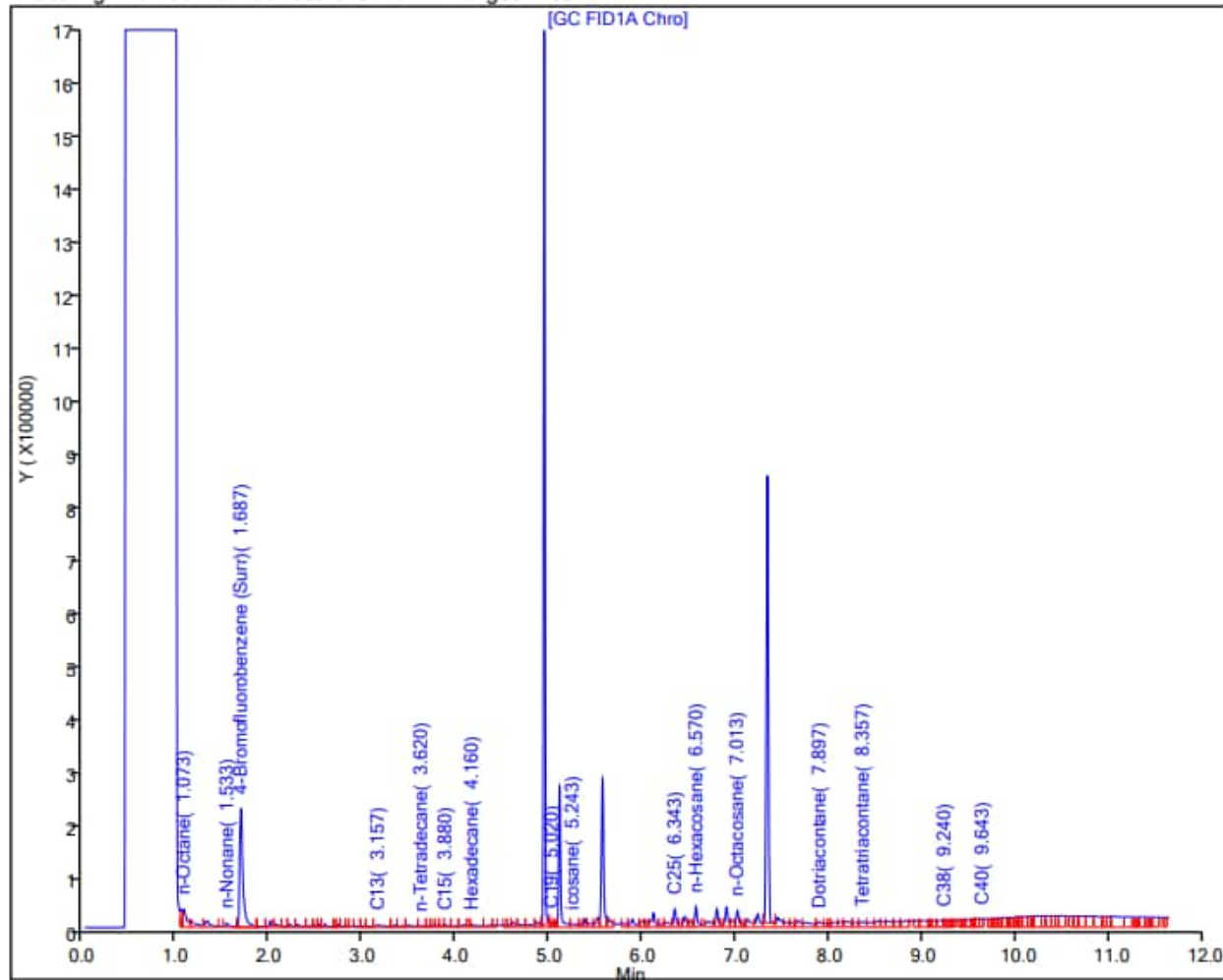
Results (ug/L): TPH-d (C10 to C24) 72 J

TPH-o (C24 to C40) <300 U

Report Date: 28-Dec-2022 14:48:08

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20221227-86414.b\1227a22A052.D
Injection Date: 28-Dec-2022 02:59:52 Instrument ID: TAC129
Lims ID: 580-121471-N-3-A Lab Sample ID: 580-121471-3
Client ID: RHMW11-05-WGN01G-2212WK3
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 19-Jan-2023 08:24:55

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230118-86744.b\011823A043.D

Injection Date: 19-Jan-2023 00:33:43

Instrument ID: TAC129_R

Lims ID: 580-121471-N-3-C

Lab Sample ID: 580-121471-3

Client ID: RHMW11-05-WGN01G-2212WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 22

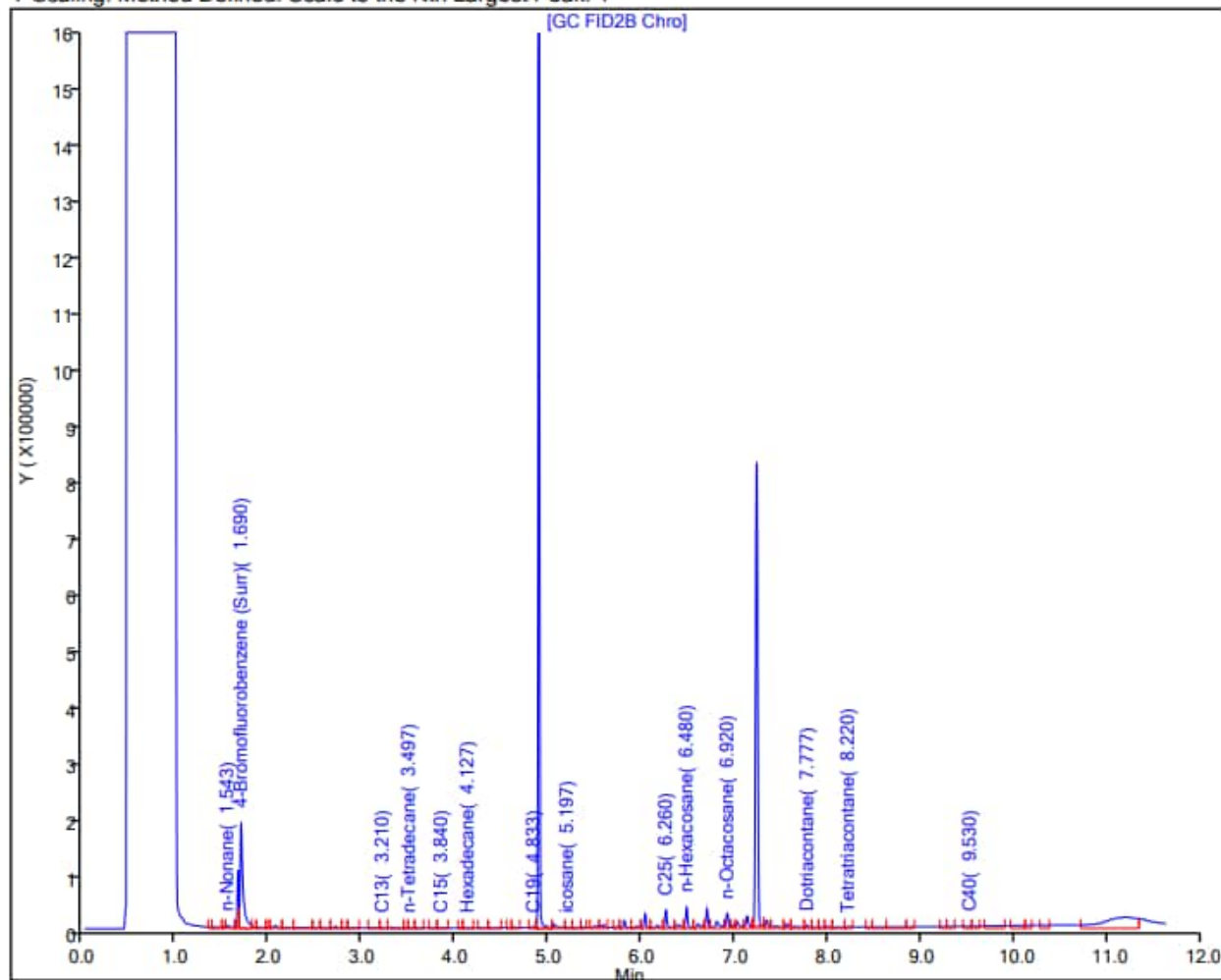
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2212WK4 Sample Date: 12/28/2022

Lab: Eurofins Seattle

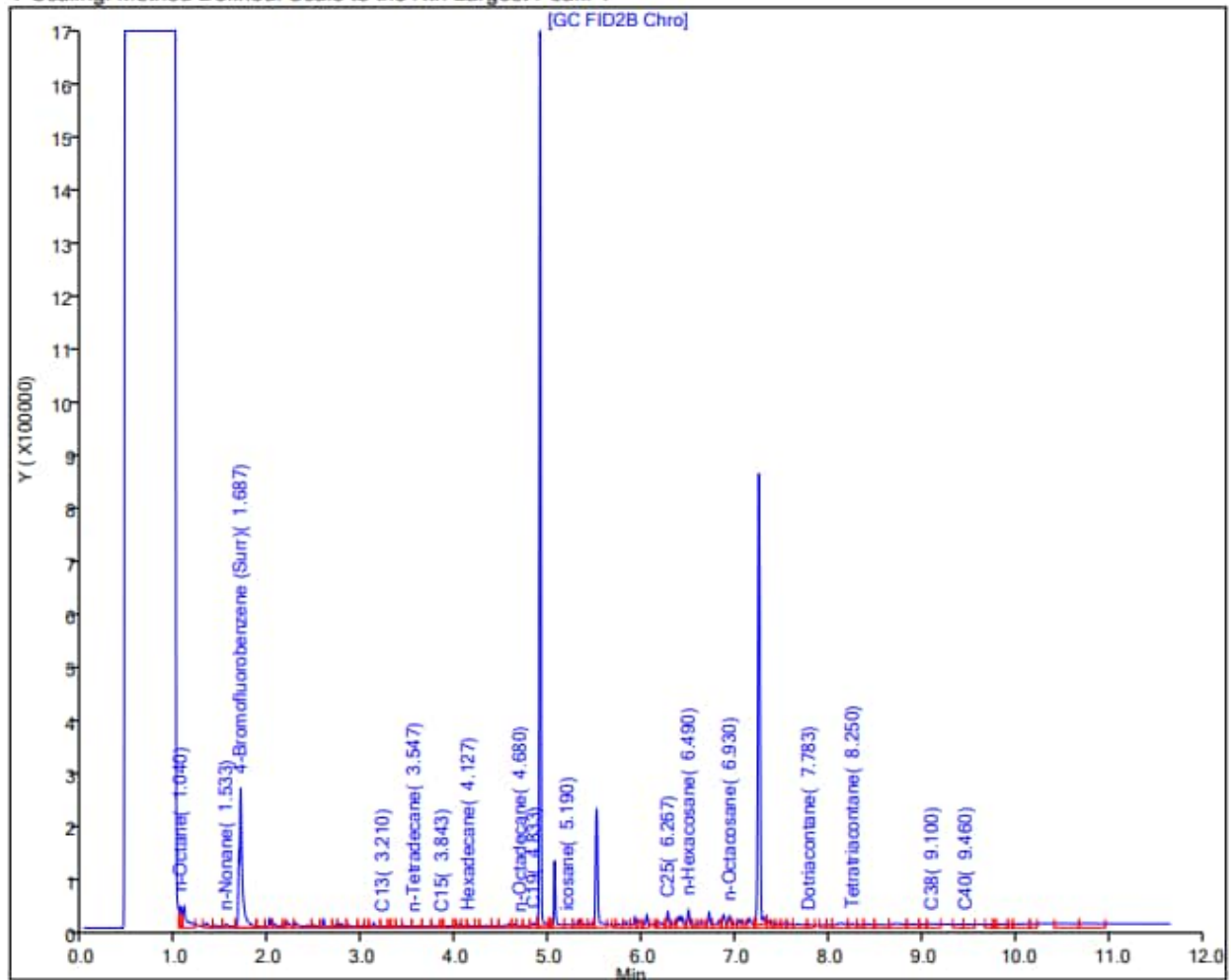
Results (ug/L): TPH-d (C10 to C24) 78 J

TPH-o (C24 to C40) <300 U

Report Date: 06-Jan-2023 14:12:22

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A031.D
Injection Date: 05-Jan-2023 19:57:09 Instrument ID: TAC129_R
Lims ID: 580-121666-F-1-A Lab Sample ID: 580-121666-1
Client ID: RHMW11-05-WGN01G-2212WK4
Operator ID: CC ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 17-Jan-2023 09:36:47

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230116-86679.b\011623A093.D

Injection Date: 17-Jan-2023 01:21:38

Instrument ID: TAC129_R

Lims ID: 580-121666-F-1-B

Lab Sample ID: 580-121666-1

Client ID: RHMW11-05-WGN01G-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 91

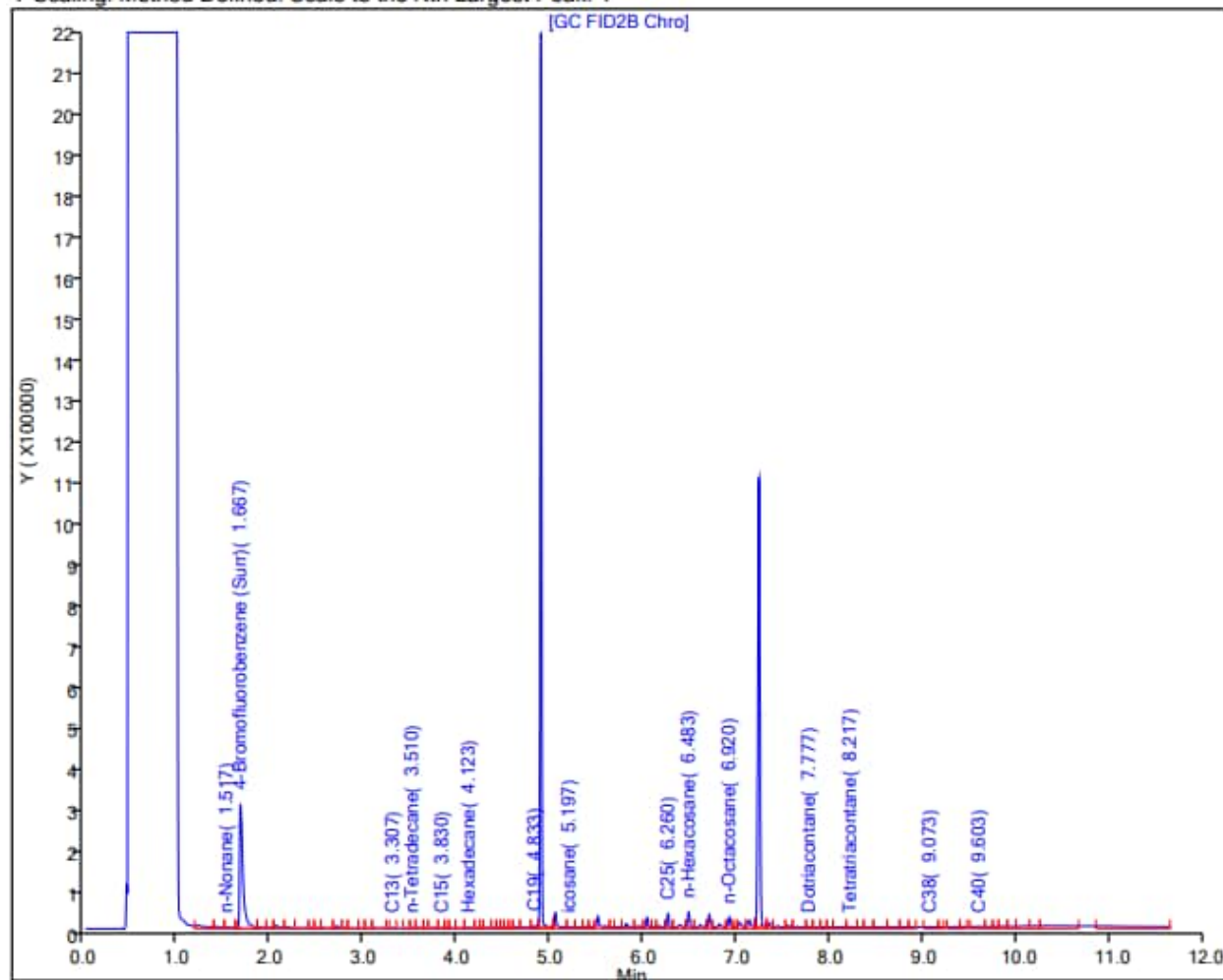
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2301WK1 Sample Date: 1/4/2023

Lab: Eurofins Seattle

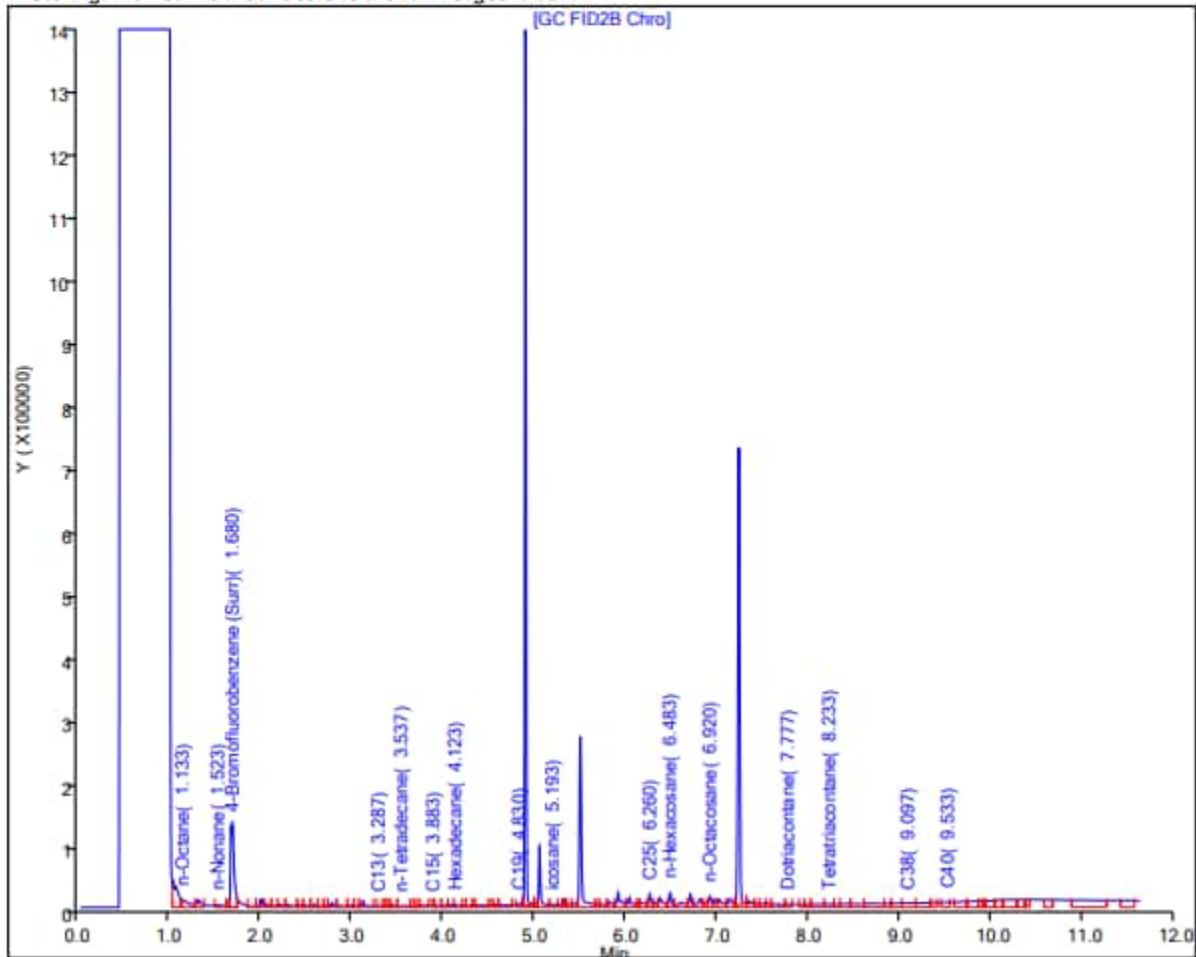
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 18-Jan-2023 09:36:49

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86698.b\011723A025.D
Injection Date: 17-Jan-2023 12:15:12 Instrument ID: TAC129_R
Lims ID: 580-121868-N-1-A Lab Sample ID: 580-121868-1
Client ID: RHMW11-05-WGN01G-2301WK1
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 uL/L Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2301WK2 Sample Date: 1/10/2023

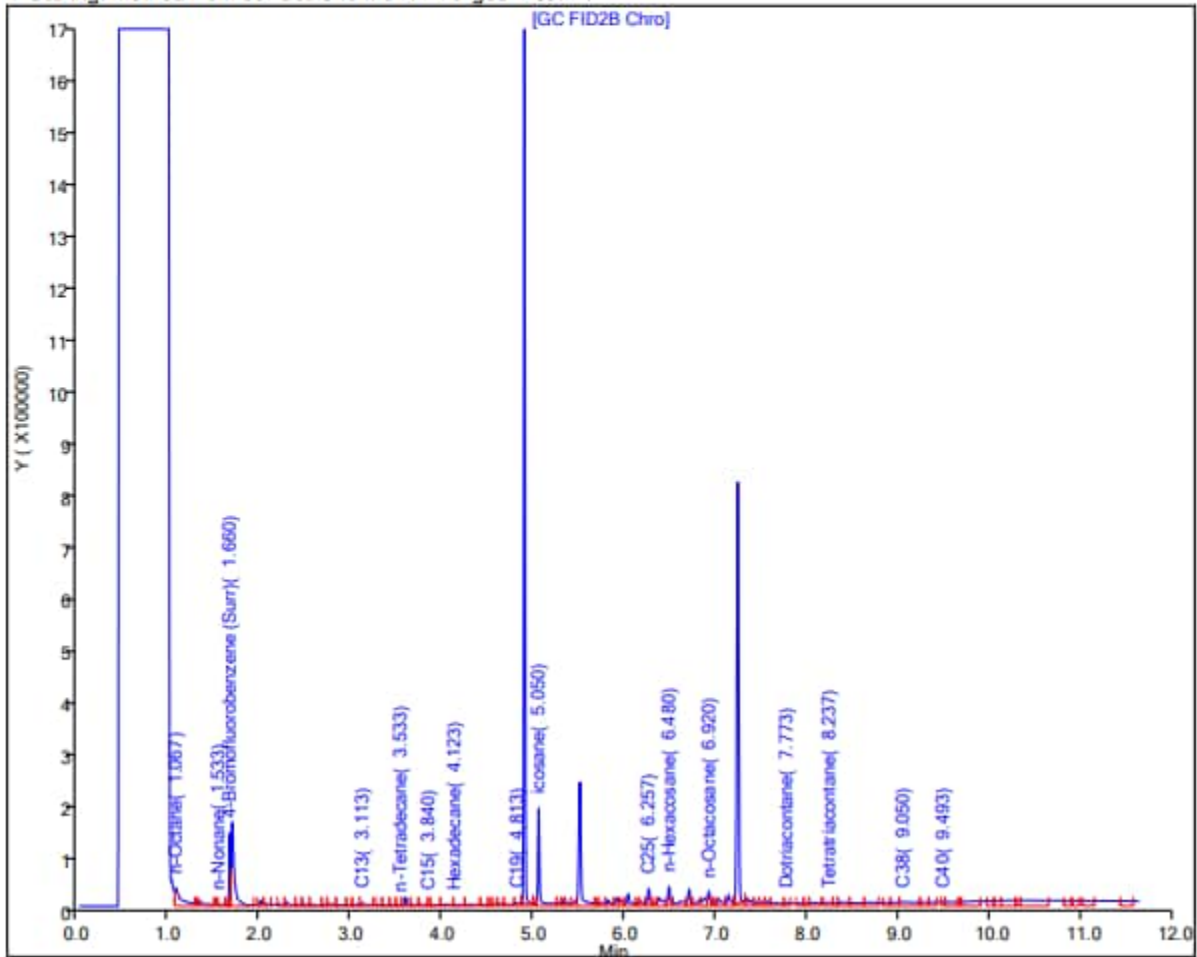
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 18-Jan-2023 09:33:45

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A045.D
Injection Date: 18-Jan-2023 04:18:03 Instrument ID: TAC129_R
Lims ID: 580-122061-N-19-A Lab Sample ID: 580-122061-19
Client ID: RHMW11-05-WGN01G-2301WK2
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 52
Injection Vol: 1.0 uL/L Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2301WK3 Sample Date: 1/17/2023

Lab: Eurofins Seattle

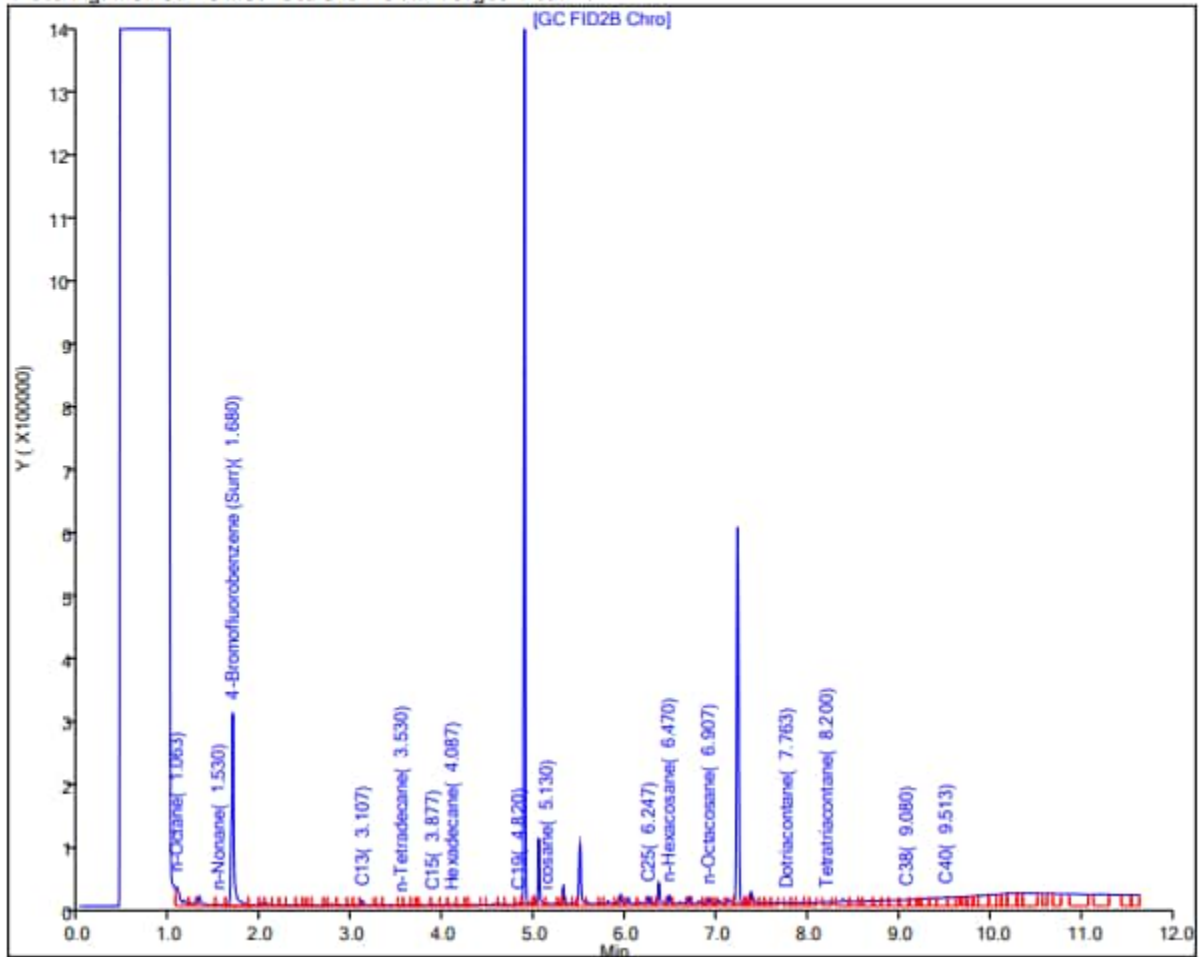
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 08-Feb-2023 09:15:18

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230207-86982.b\0207a23A061.D
Injection Date: 07-Feb-2023 19:54:08 Instrument ID: TAC129_R
Lims ID: 580-122355-M-1-A Lab Sample ID: 580-122355-1
Client ID: RHMW11-05-WGN01G-2301WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 uL/L Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2301WK4 Sample Date: 1/24/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 03-Feb-2023 08:42:09

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230202-86931.b\0202b23_036.D

Injection Date: 03-Feb-2023 04:20:55

Instrument ID: TAC020

Lims ID: 580-122714-E-5-A

Lab Sample ID: 580-122714-5

Client ID: RHMW11-05-WGN01G-2301WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 69

Injection Vol: 1.0 ul

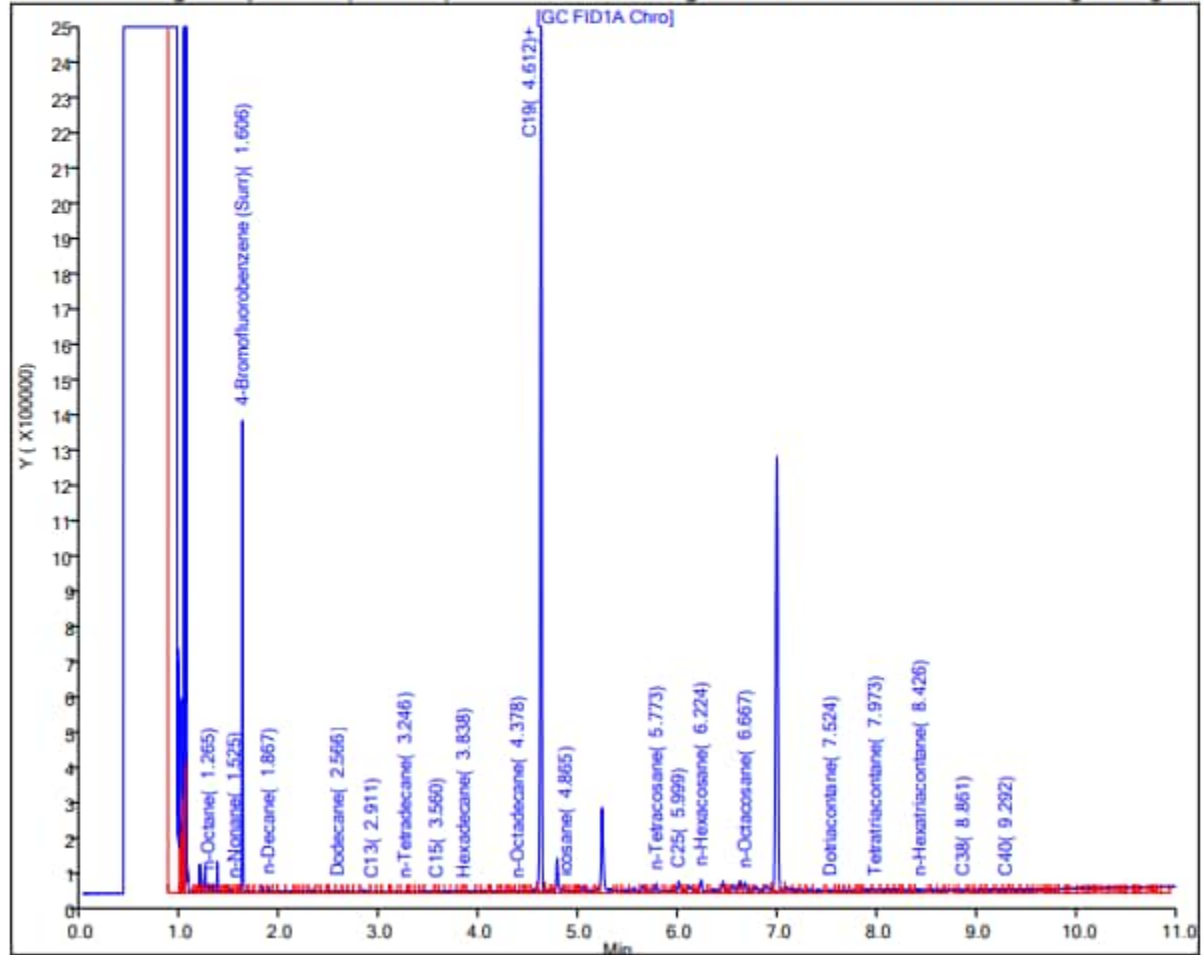
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2302WK3 Sample Date: 2/21/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 28-Feb-2023 10:02:34

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129\20230227-87261.b\022723A070.D

Injection Date: 28-Feb-2023 04:23:00

Instrument ID: TAC129

Lims ID: 580-123852-N-3-A

Lab Sample ID: 580-123852-3

Client ID: RHMW11-05-WGN01G-2302WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 35

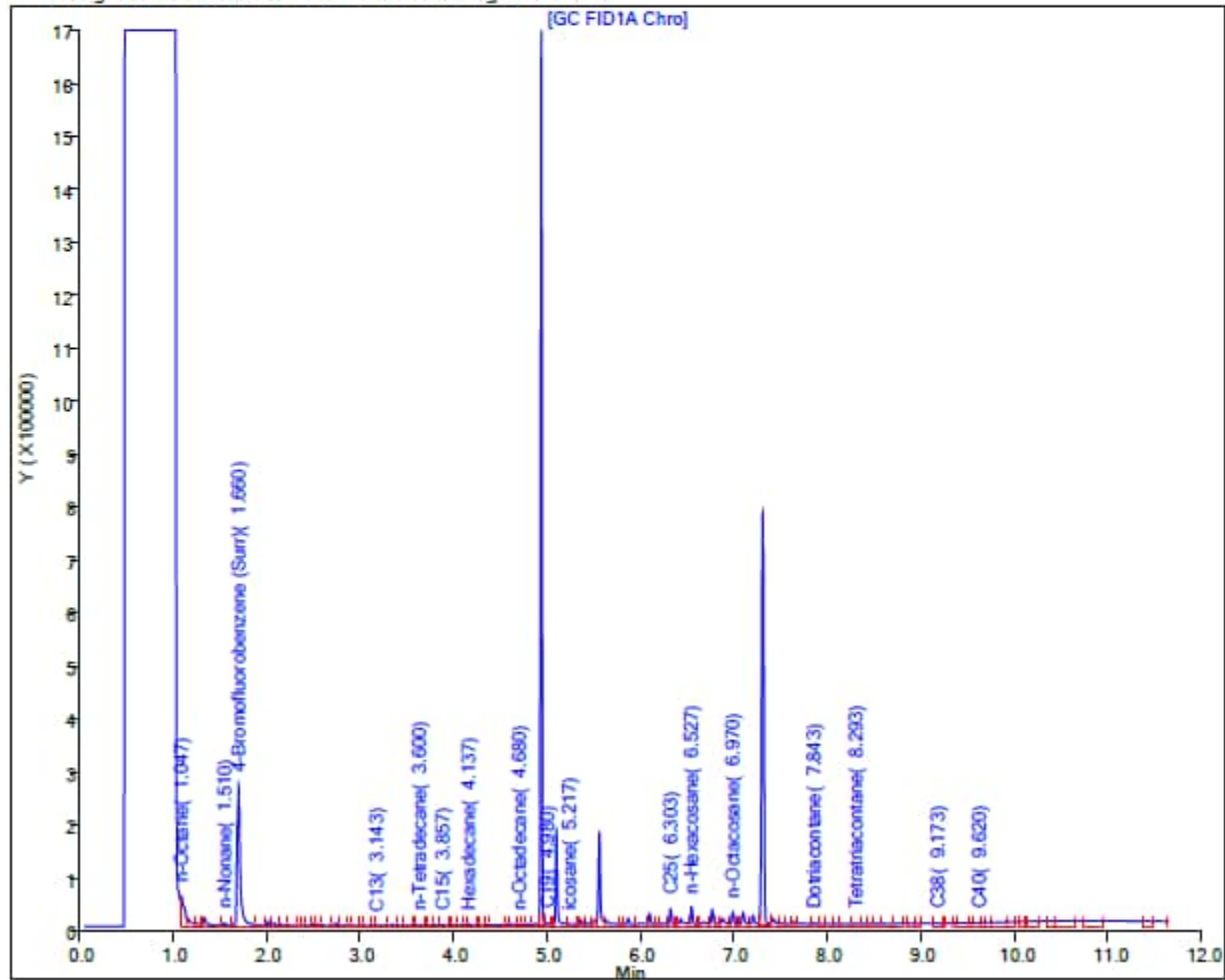
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2302WK4 Sample Date: 2/27/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 03-Mar-2023 09:37:46

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230302-87325.b\030223A048.D

Injection Date: 03-Mar-2023 00:07:15

Instrument ID: TAC129

Lims ID: 580-124029-N-5-A

Lab Sample ID: 580-124029-5

Client ID: RHMW11-05-WGN01G-2302WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 24

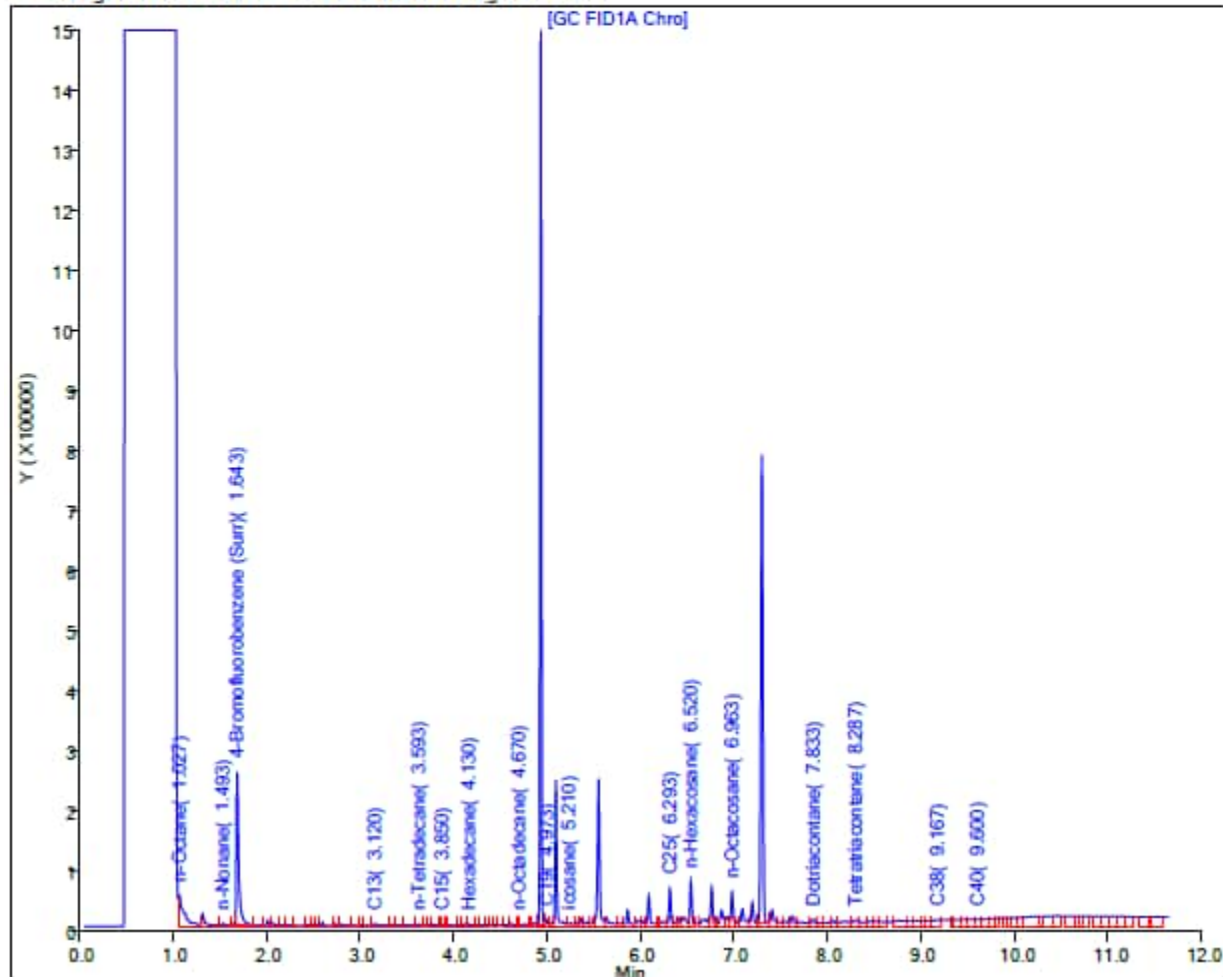
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW12A Sample ID: RHMW12A-WGN02LF-2211WK1 Sample Date: 11/10/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 17-Nov-2022 11:55:03

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A039.D

Injection Date: 17-Nov-2022 03:58:05

Instrument ID: TAC129_R

Lims ID: 580-119993-O-5-A

Lab Sample ID: 580-119993-5

Client ID: RHMW12A-WGN02LF-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 49

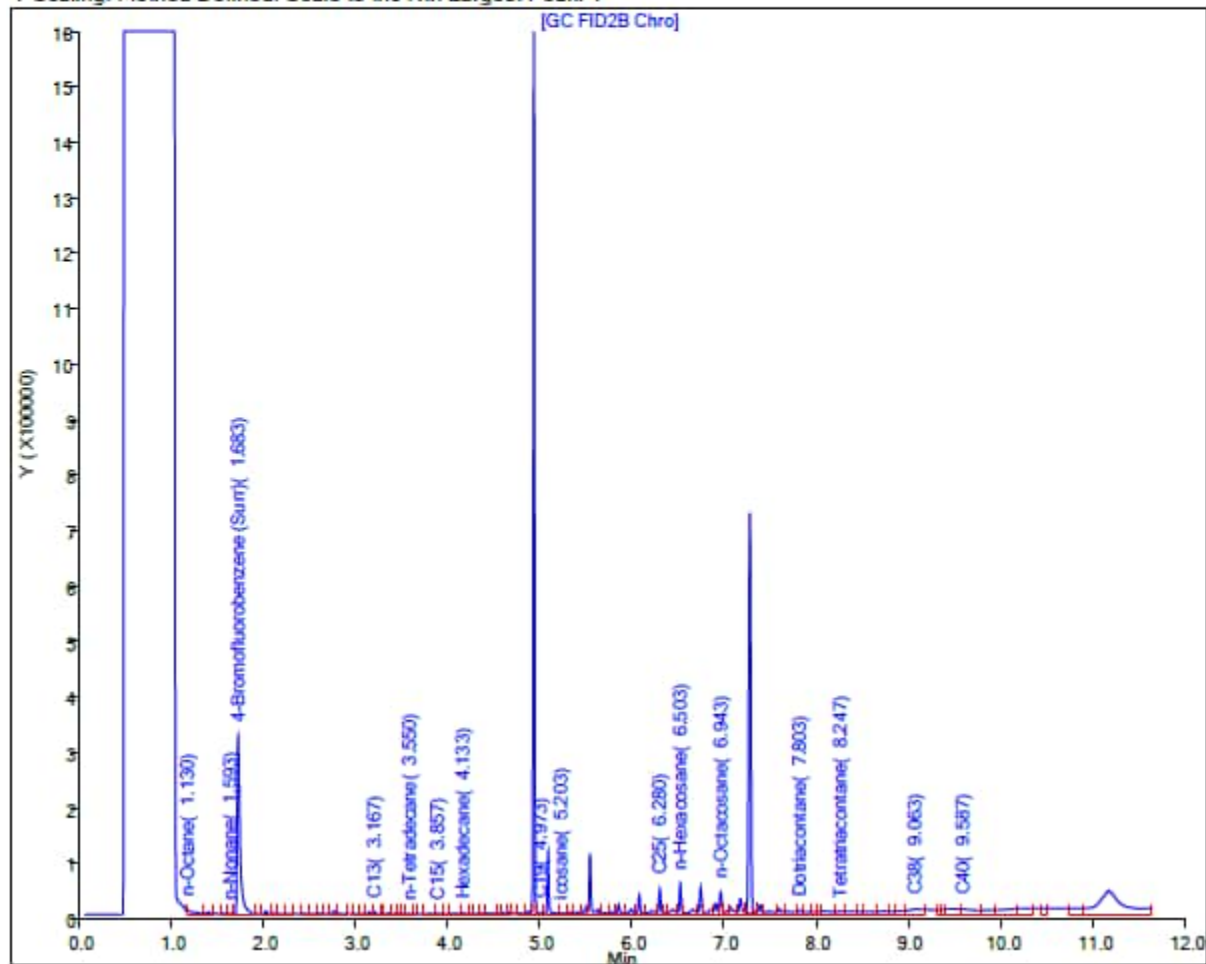
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW12A Sample ID: RHMW12A-WGN01LF-2211WK2 Sample Date: 11/15/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 18-Nov-2022 20:35:57

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_063.D

Injection Date: 18-Nov-2022 16:26:30

Instrument ID: TAC020

Lims ID: 580-120073-N-13-A

Lab Sample ID: 580-120073-13

Client ID: RHMW12A-WGN01LF-2211WK2

Operator ID: DH/CC

ALS Bottle#: 62 Worklist Smp#: 65

Injection Vol: 1.0 ul

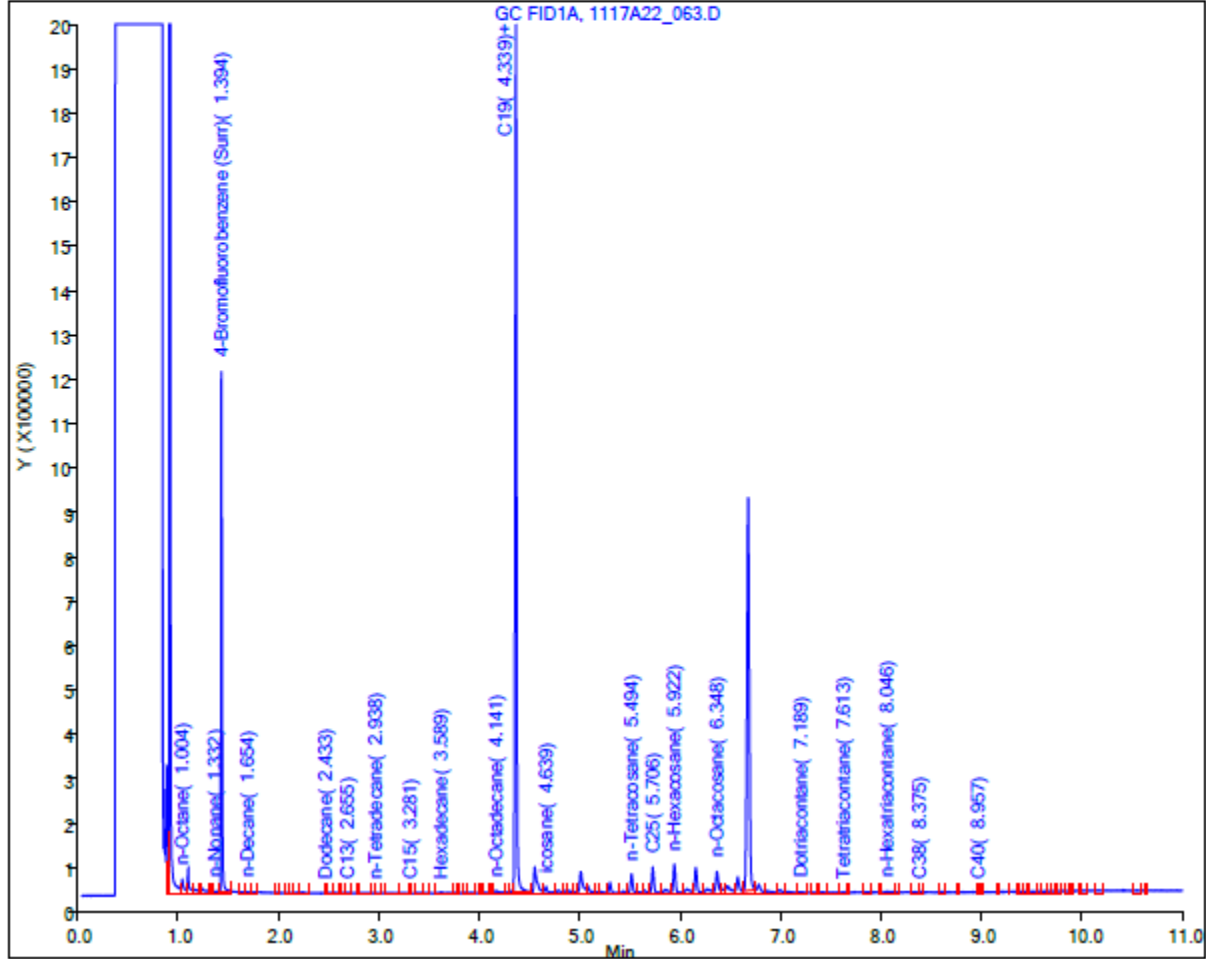
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW12A

Sample ID: RHMW12A-WGN02LF-2211WK2

Sample Date: 11/17/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 23-Nov-2022 12:55:07

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221122-85931.b\1122ab22A060.D

Injection Date: 23-Nov-2022 01:42:50

Instrument ID: TAC129

Lims ID: 580-120199-O-7-A

Lab Sample ID: 580-120199-7

Client ID: RHMW12A-WGN02LF-2211WK2

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 55

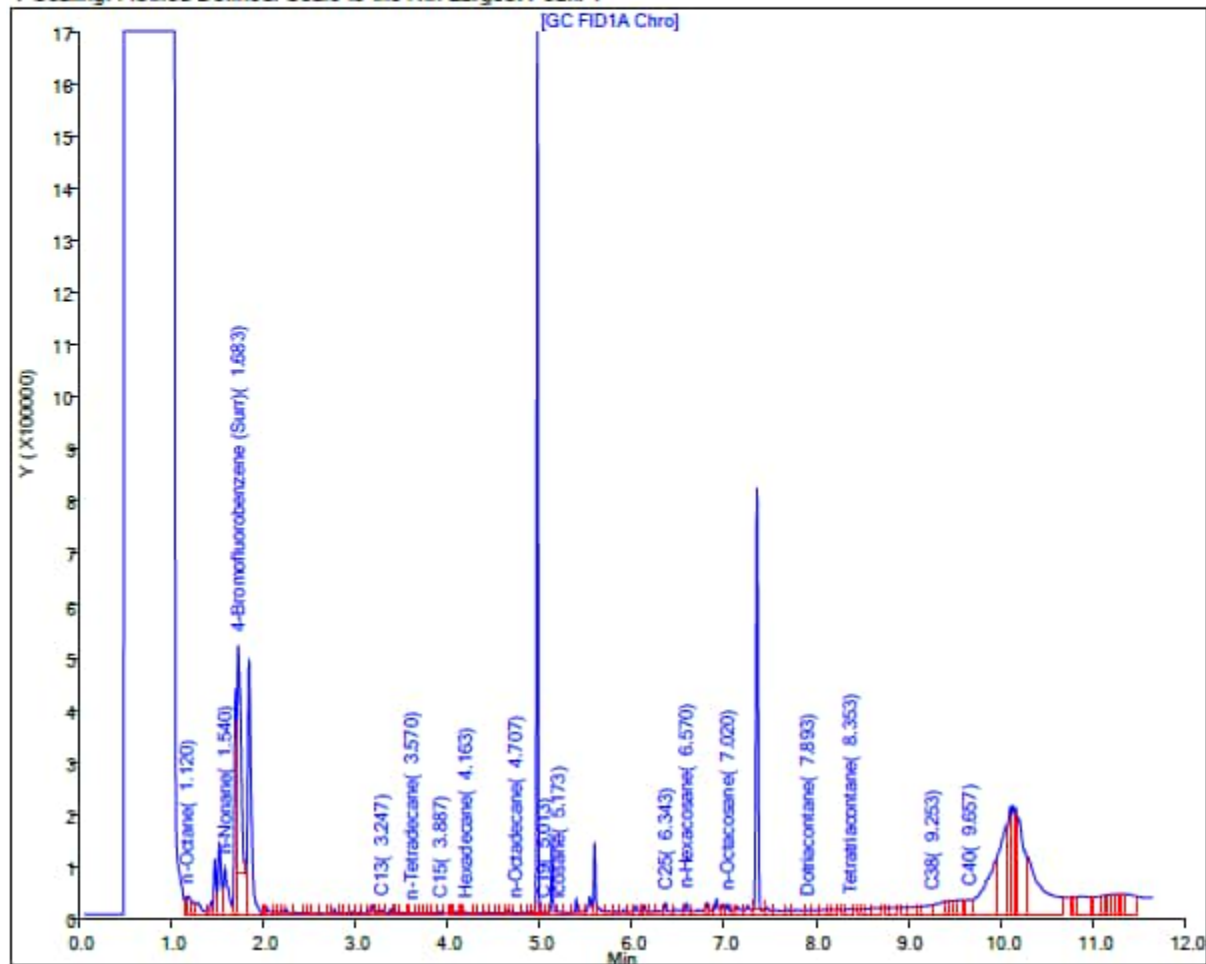
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW12A Sample ID: RHMW12A-WGN01LF-2211WK3 Sample Date: 11/19/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 29-Nov-2022 13:13:00

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221128-85982.b\1128AA22A038.D

Injection Date: 28-Nov-2022 21:46:36

Instrument ID: TAC129

Lims ID: 580-120327-N-1-B

Lab Sample ID: 580-120327-1

Client ID: RHMW12A-WGN01LF-2211WK3

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 19

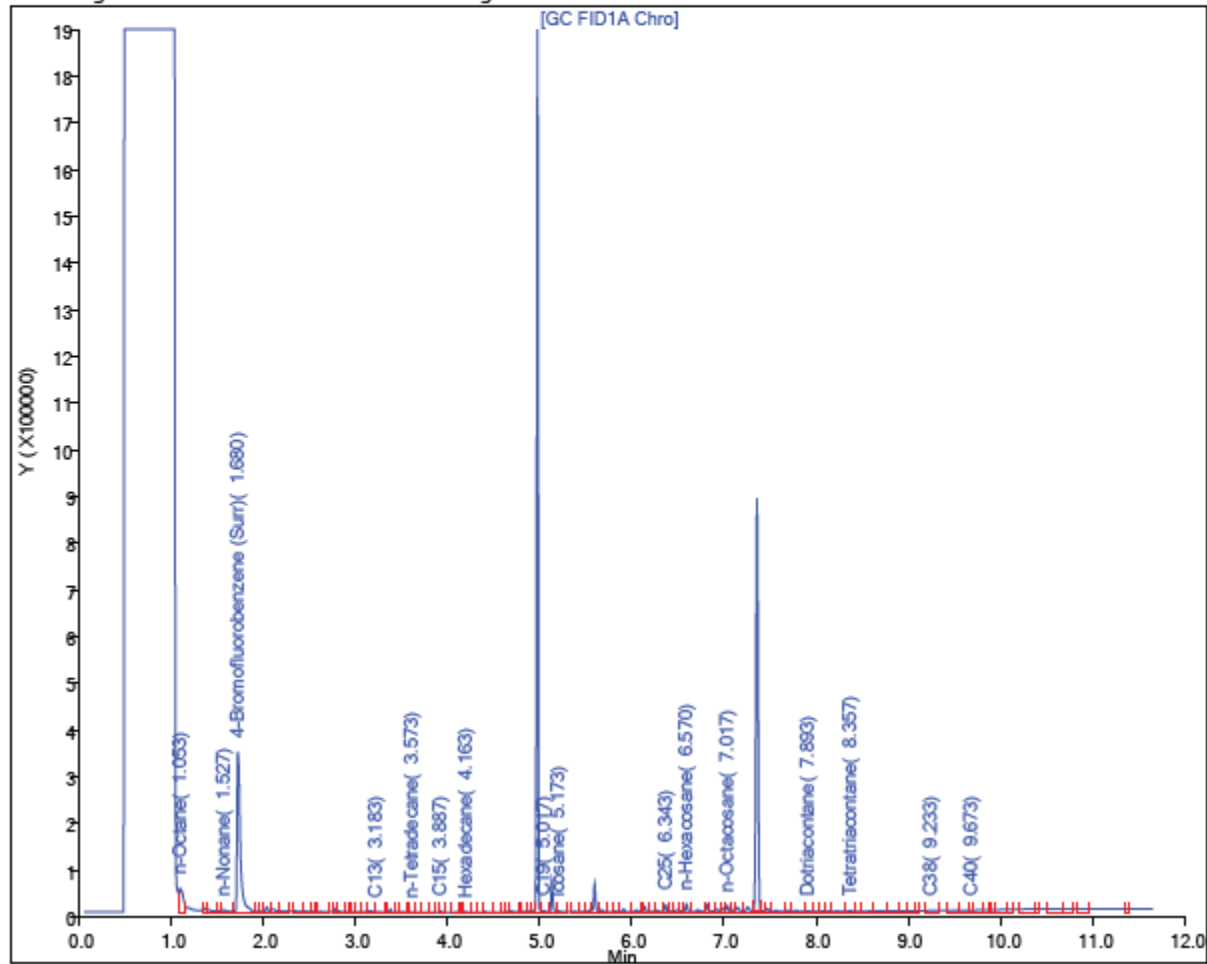
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW12A

Sample ID: RHMW12A-WGN01LF-2211WK4

Sample Date: 11/29/2022

Lab: Eurofins Seattle

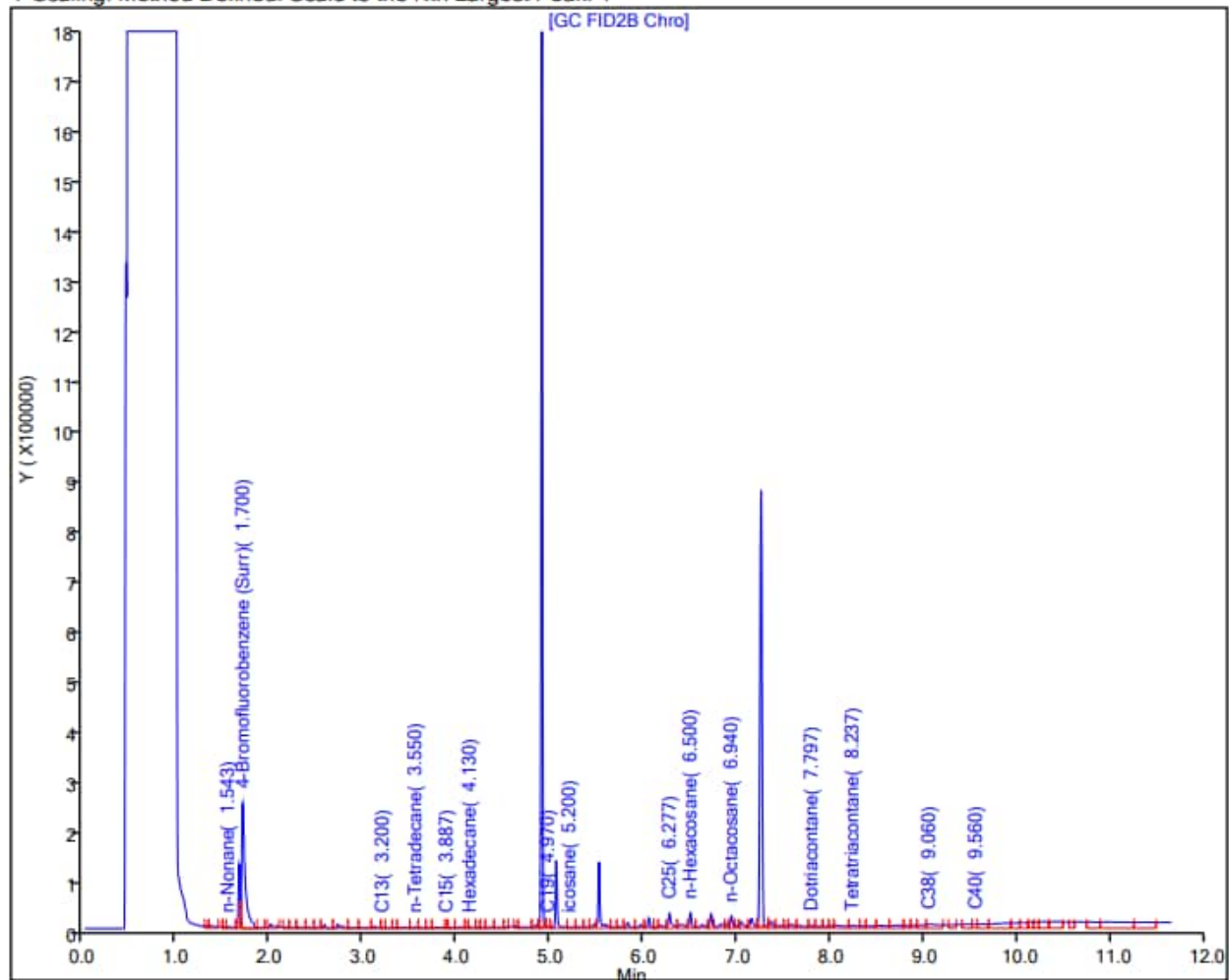
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 05-Dec-2022 14:25:23

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A031.D
Injection Date: 03-Dec-2022 22:44:38 Instrument ID: TAC129_R
Lims ID: 580-120540-O-18-A Lab Sample ID: 580-120540-18
Client ID: RHMW12A-WGN01LF-2211WK4
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW12A Sample ID: RHMW12A-WGN01LF-2212WK2 Sample Date: 12/16/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 73 J

TPH-o (C24 to C40) <300 U

Report Date: 27-Dec-2022 12:36:12

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221222-86386.b\12222022_024.D

Injection Date: 22-Dec-2022 23:55:31

Instrument ID: TAC020

Lims ID: 580-121420-O-1-A

Lab Sample ID: 580-121420-1

Client ID: RHMW12A-WGN01LF-2212WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 36

Injection Vol: 1.0 ul

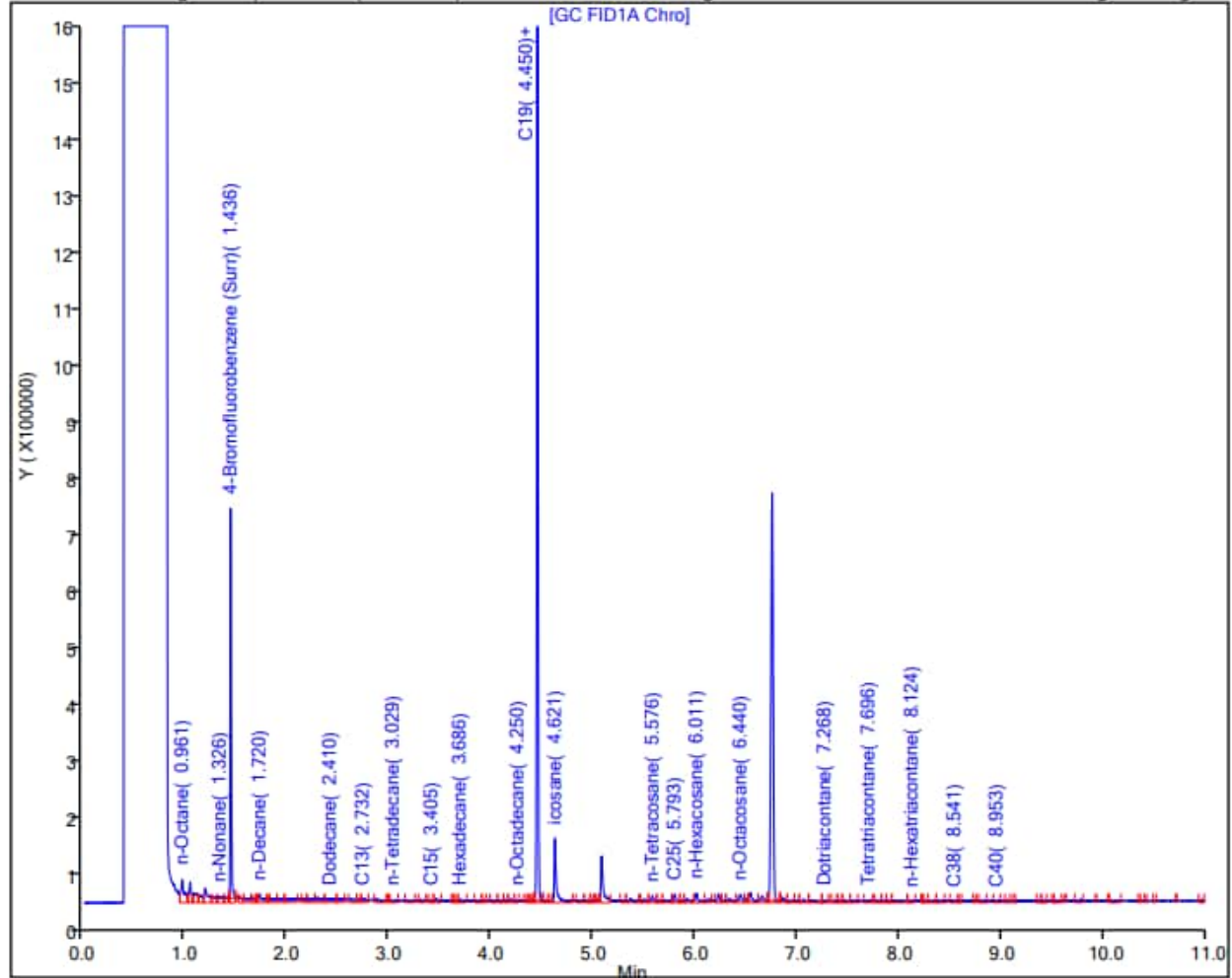
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 19-Jan-2023 08:25:15

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230118-86744.b\011823A053.D

Injection Date: 19-Jan-2023 02:05:46

Instrument ID: TAC129_R

Lims ID: 580-121420-O-1-B

Lab Sample ID: 580-121420-1

Client ID: RHMW12A-WGN01LF-2212WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 27

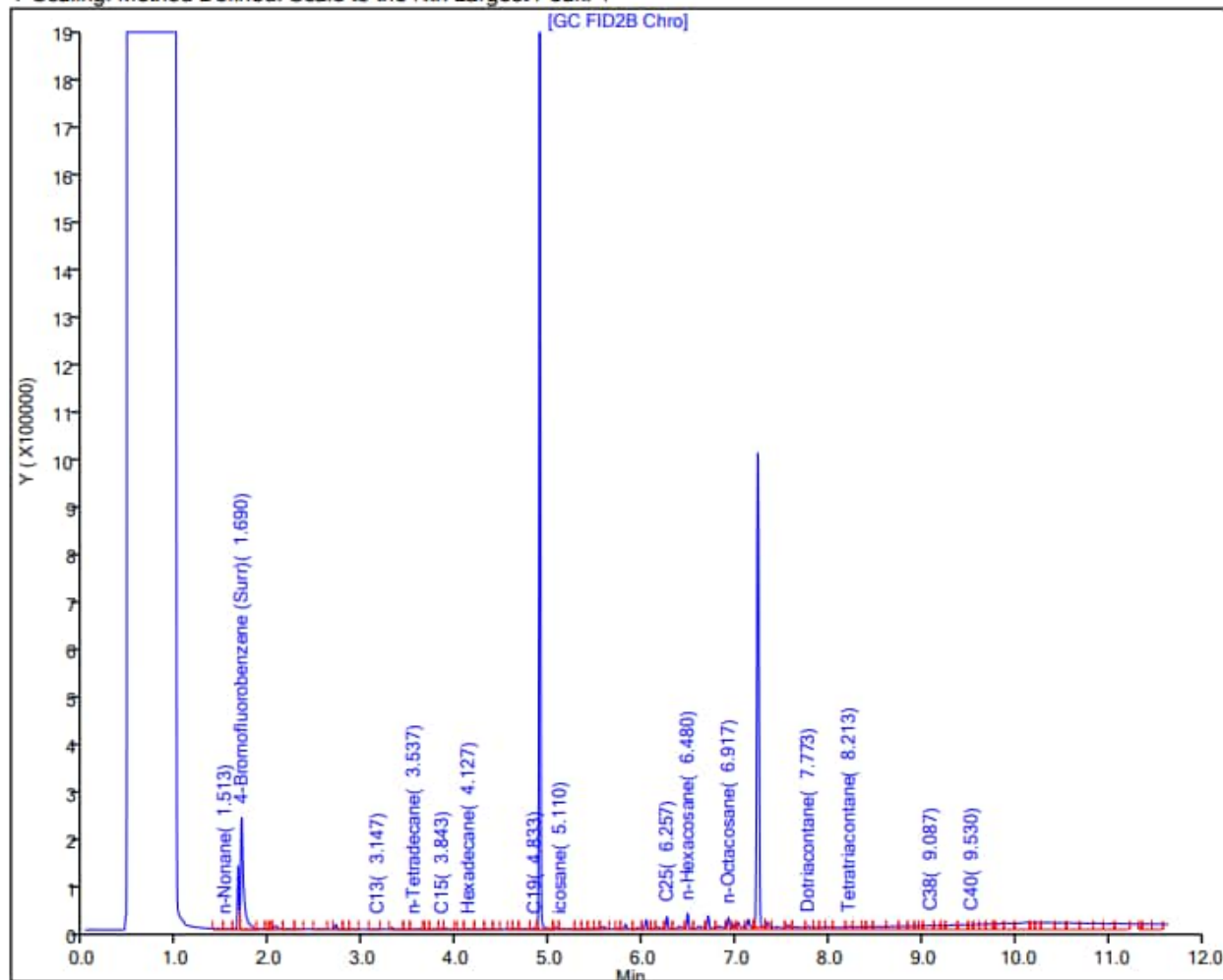
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW12A Sample ID: RHMW12A-WGN01LF-2212WK3 Sample Date: 12/20/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ TPH-o (C24 to C40) <310 UJ

Report Date: 28-Dec-2022 14:48:11

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221227-86414.b\1227a22A054.D

Injection Date: 28-Dec-2022 03:18:22

Instrument ID: TAC129

Lims ID: 580-121471-N-7-A

Lab Sample ID: 580-121471-7

Client ID: RHMW12A-WGN01LF-2212WK3

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 43

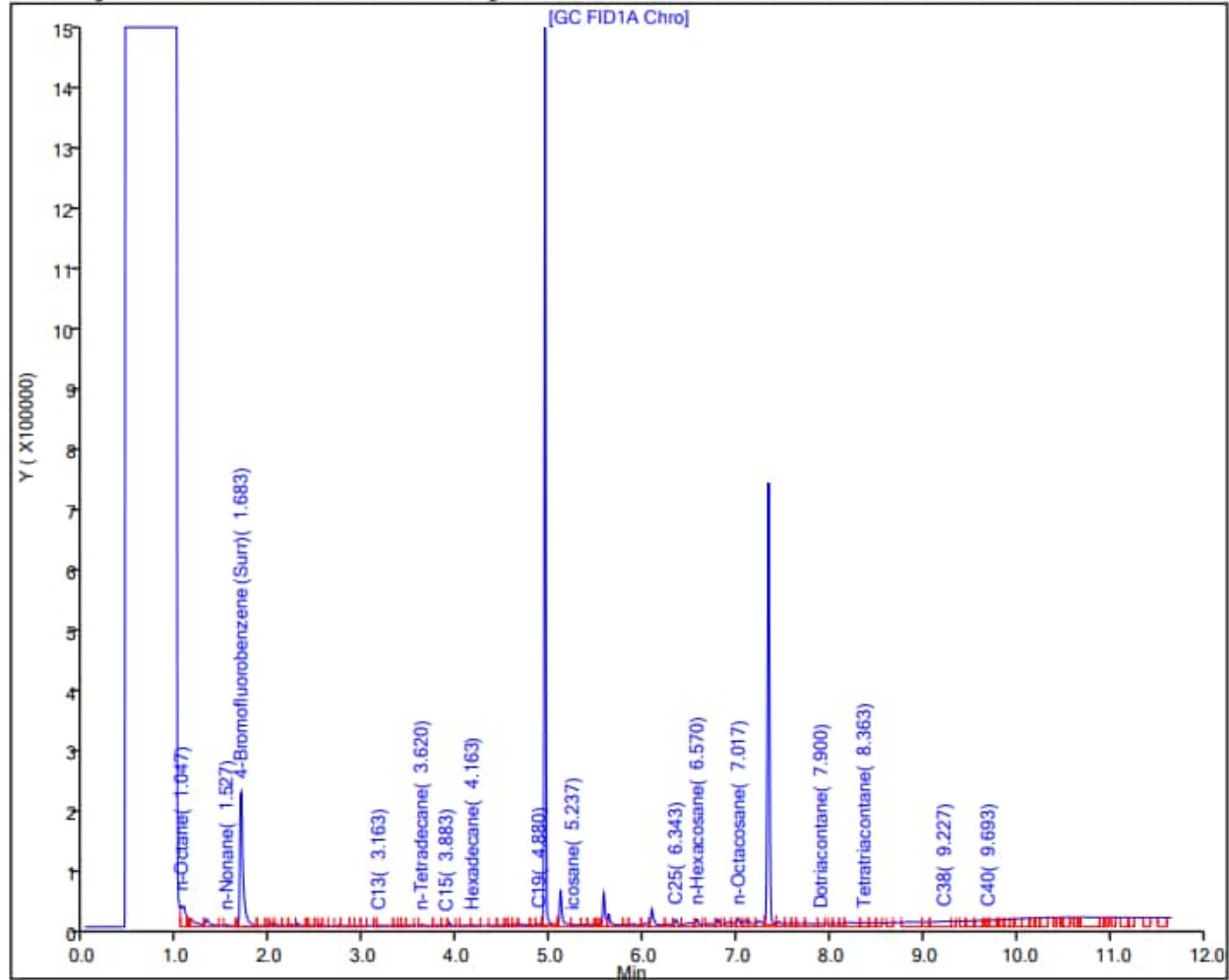
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW12A

Sample ID: RHMW12A-WGN01LF-2212WK4

Sample Date: 12/28/2022

Lab: Eurofins Seattle

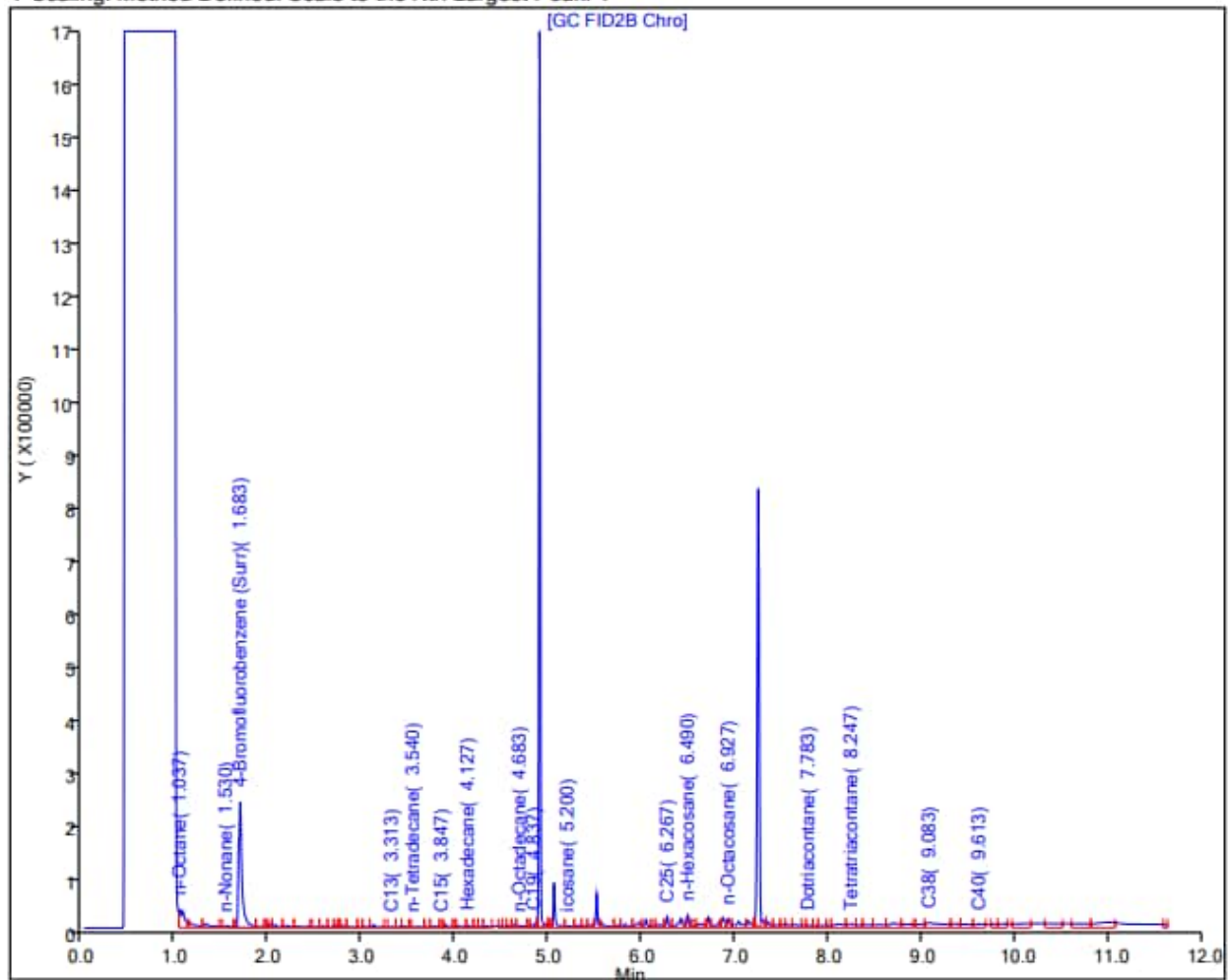
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 06-Jan-2023 14:12:40

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A037.D
Injection Date: 05-Jan-2023 20:53:42 Instrument ID: TAC129_R
Lims ID: 580-121703-F-9-A Lab Sample ID: 580-121703-9
Client ID: RHMW12A-WGN01LF-2212WK4
Operator ID: CC ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW12A Sample ID: RHMW12A-WGN01LF-2301WK1 Sample Date: 1/4/2023

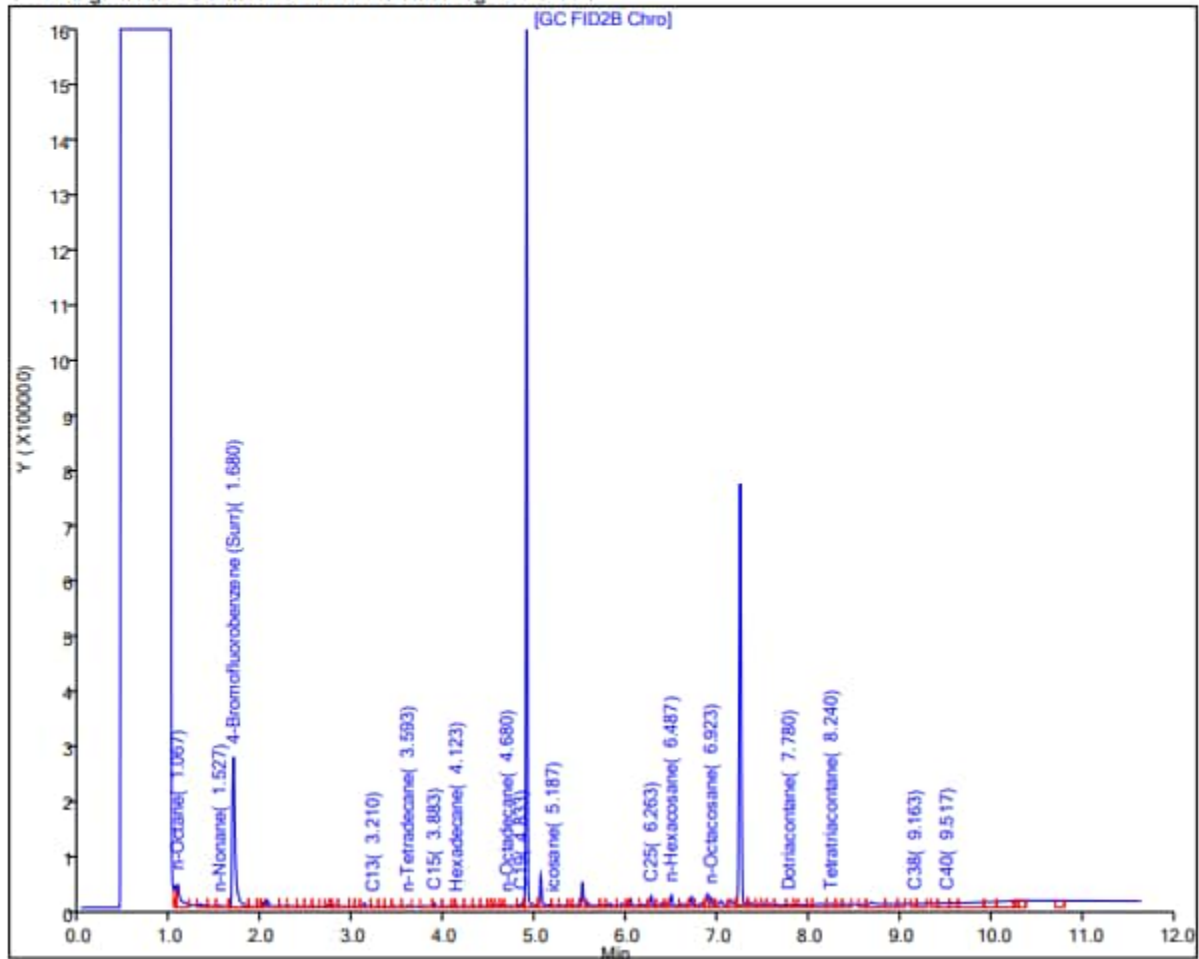
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 13-Jan-2023 14:26:32

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\011223A089.D
Injection Date: 13-Jan-2023 01:43:14 Instrument ID: TAC129_R
Lims ID: 580-121868-N-9-A Lab Sample ID: 580-121868-9
Client ID: RHMW12A-WGN01LF-2301WK1
Operator ID: kw/cc ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW12A Sample ID: RHMW12A-WGN01LF-2301WK2 Sample Date: 1/10/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 18-Jan-2023 09:33:42

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A043.D

Injection Date: 18-Jan-2023 03:59:23

Instrument ID: TAC129_R

Lims ID: 580-122061-N-15-A

Lab Sample ID: 580-122061-15

Client ID: RHMW12A-WGN01LF-2301WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 51

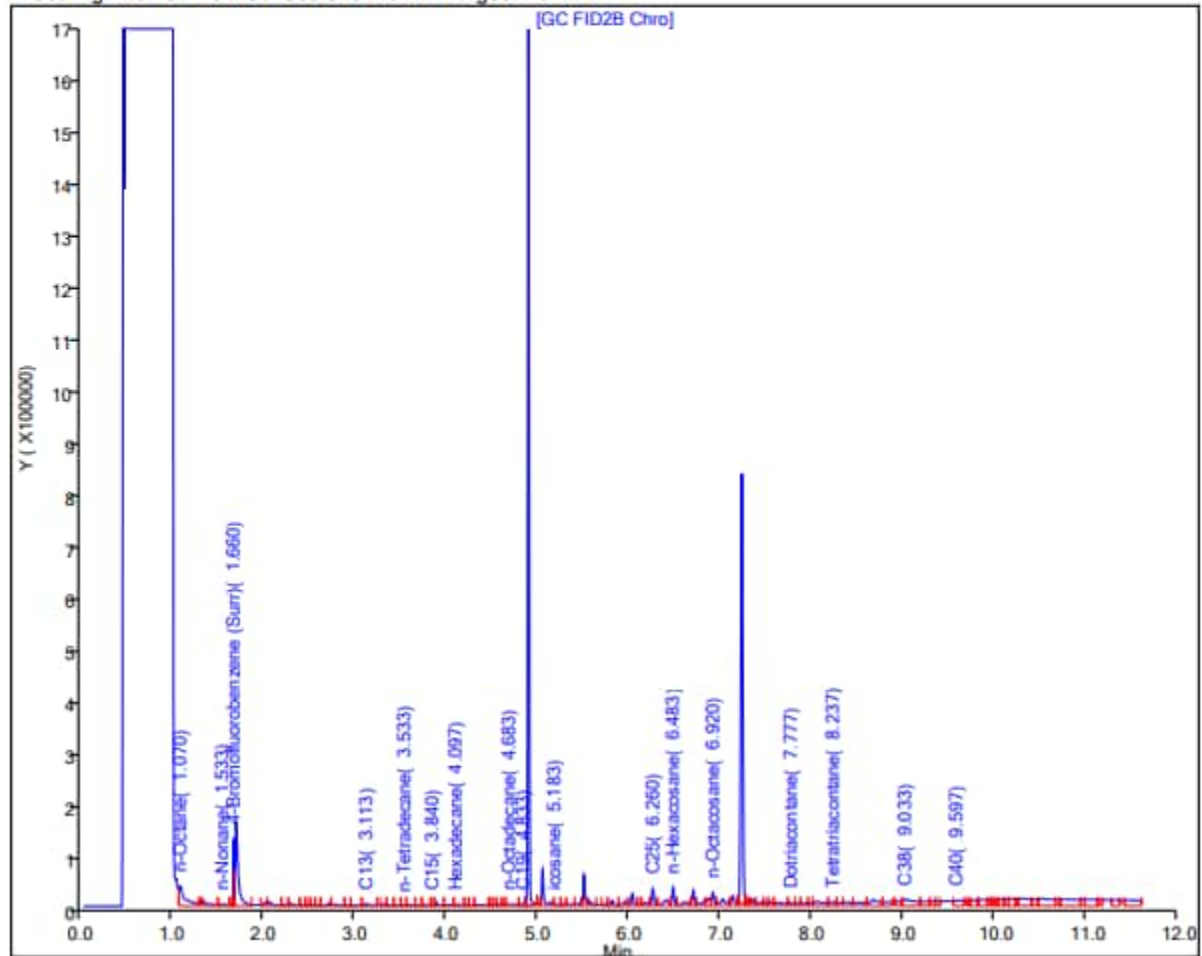
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW12A Sample ID: RHMW12A-WGN01LF-2301WK3 Sample Date: 1/17/2023

Lab: Eurofins Seattle

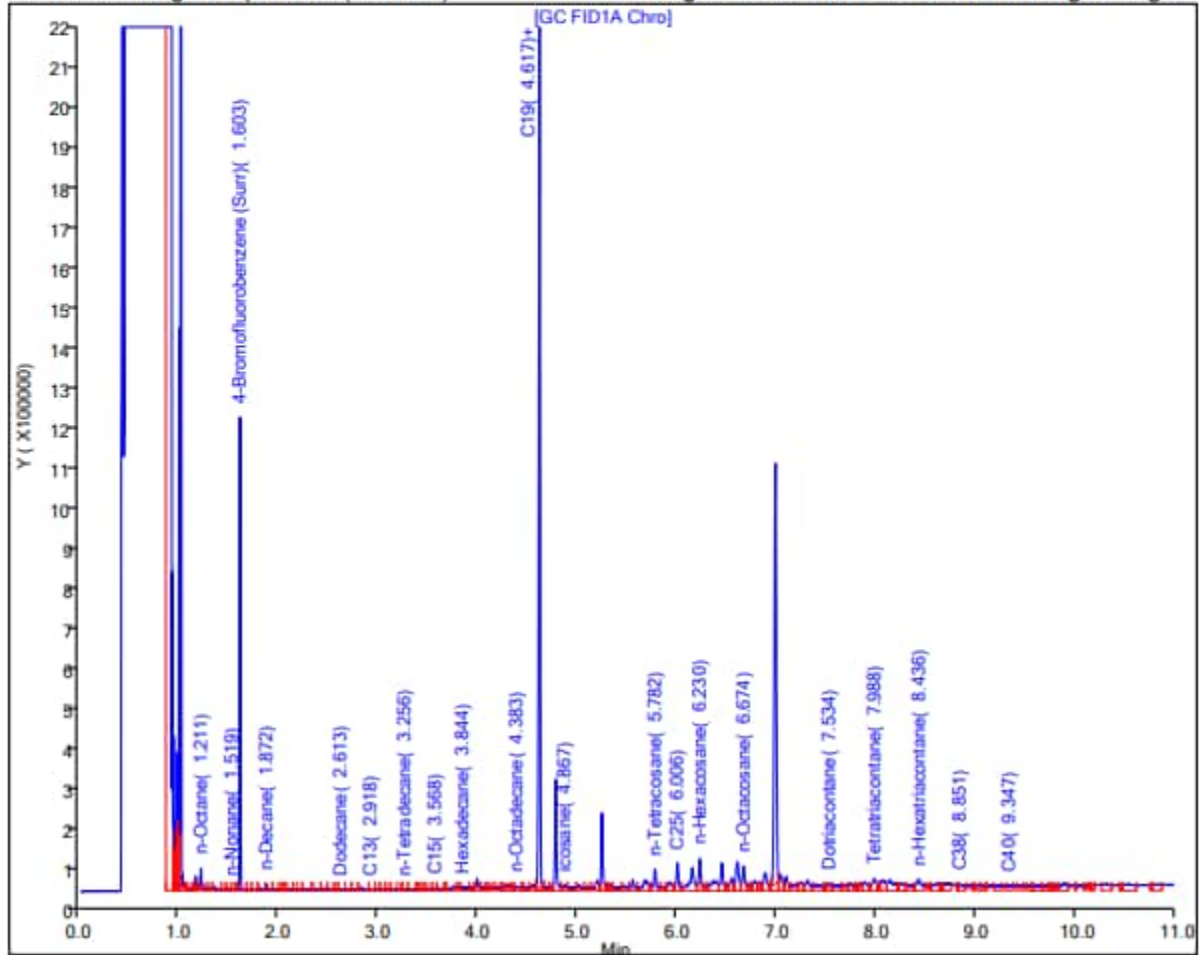
Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 26-Jan-2023 12:15:38

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC020\20230125-86809.b\0125b23_057.D		
Injection Date:	26-Jan-2023 10:23:37	Instrument ID:	TAC020
Lims ID:	580-122420-N-15-A	Lab Sample ID:	580-122420-15
Client ID:	RHMW12A-WGN01LF-2301WK3		
Operator ID:	KW	ALS Bottle#:	0 Worklist Smp#: 130
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	TPH-Front_TAC020	Limit Group:	8015B-D DRO ICAL CA and HW ranges
Column:	ZB-1 High Temp. Inferno (0.25 mm)	Y Scaling:	Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW12A Sample ID: RHMW12A-WGN01LF-2301WK4 Sample Date: 1/25/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <300 UJ

Report Date: 03-Feb-2023 08:42:27

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230202-86931.b\0202b23_040.D

Injection Date: 03-Feb-2023 05:41:40

Instrument ID: TAC020

Lims ID: 580-122700-E-5-A

Lab Sample ID: 580-122700-5

Client ID: RHMW12A-WGN01LF-2301WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 73

Injection Vol: 1.0 ul

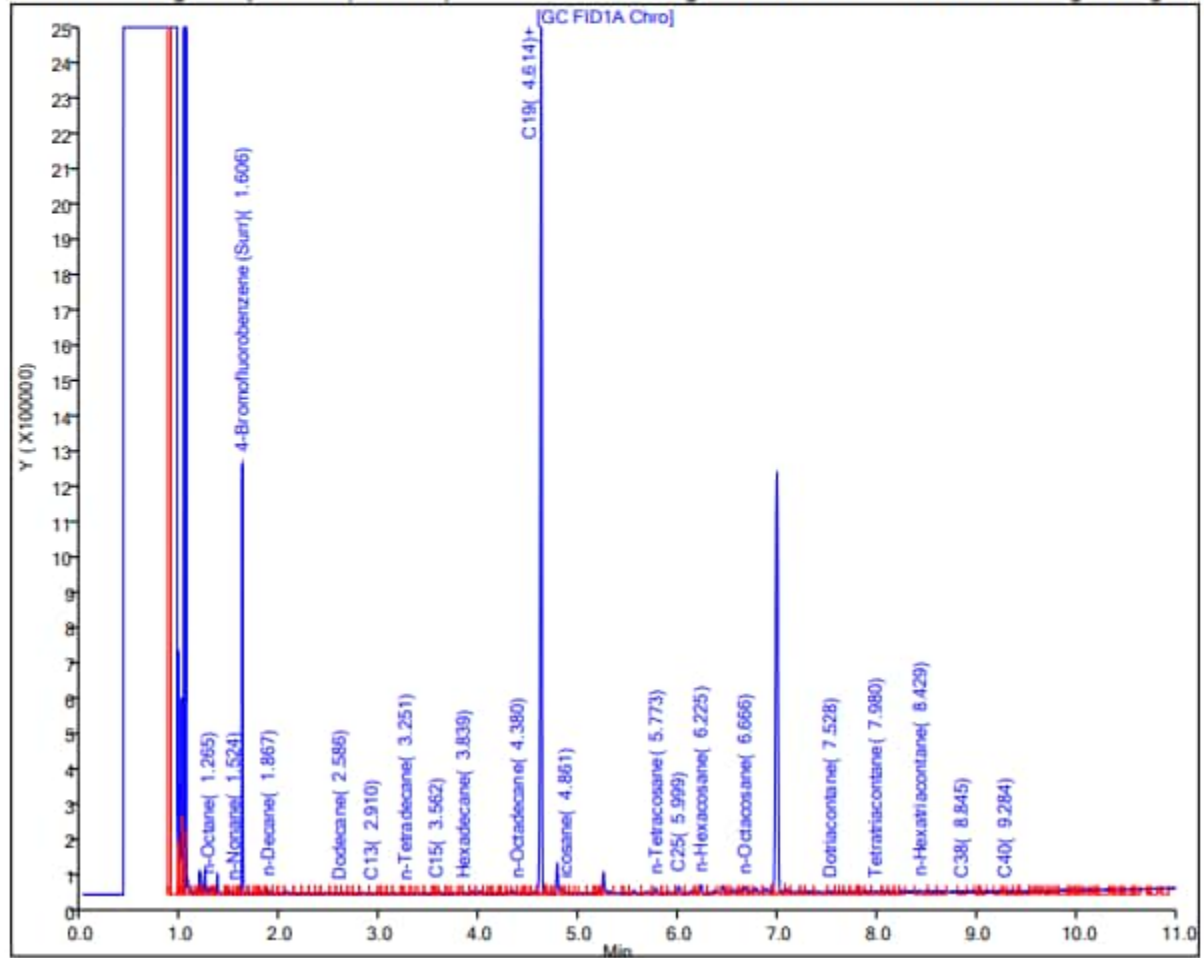
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW12A Sample ID: RHMW12A-WGN01LF-2302WK2 Sample Date: 2/14/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 20-Feb-2023 09:46:26

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230217-87149.b\021723A037.D

Injection Date: 17-Feb-2023 19:17:41

Instrument ID: TAC129_R

Lims ID: 580-123563-O-3-A

Lab Sample ID: 580-123563-3

Client ID: RHMW12A-WGN01LF-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 14

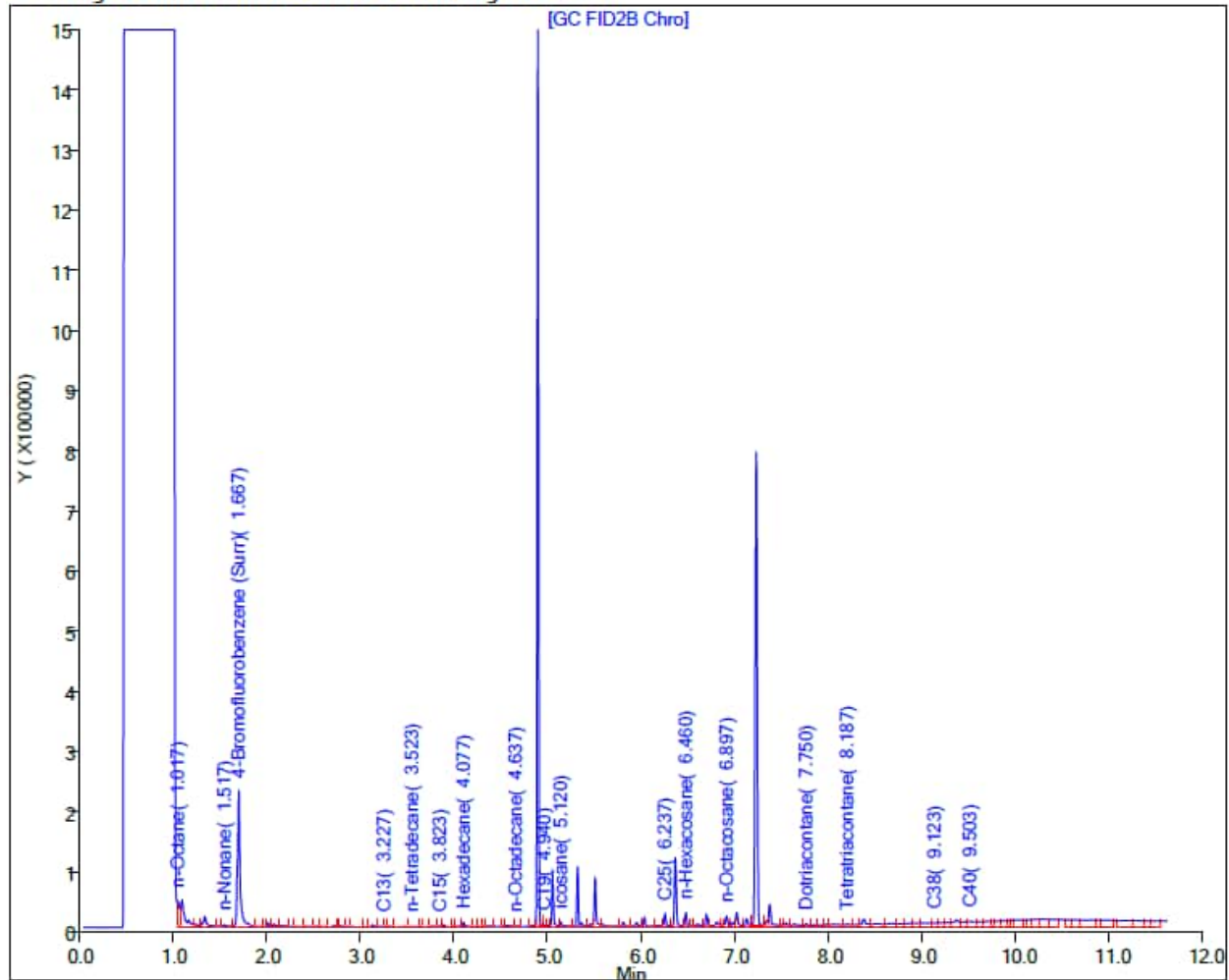
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW13-05 Sample ID: RHMW13-05-WGN02G-2211WK2 Sample Date: 11/16/2022

Lab: Eurofins Seattle

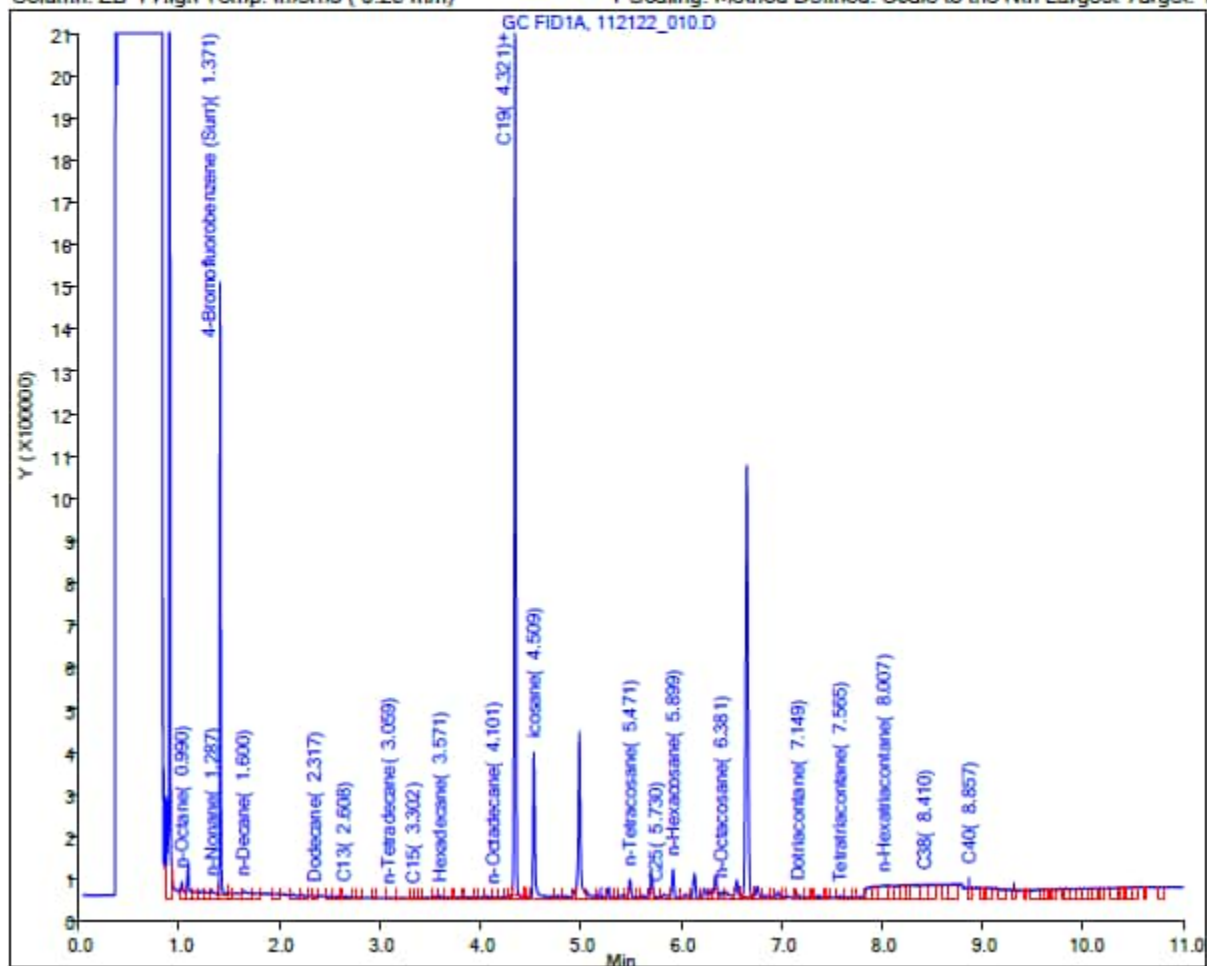
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 22-Nov-2022 14:57:38

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_010.D
Injection Date: 21-Nov-2022 20:41:30 Instrument ID: TAC020
Lims ID: 580-120140-N-1-A Lab Sample ID: 580-120140-1
Client ID: RHMW13-05-WGN02G-2211WK2
Operator ID: DH ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2211WK3 Sample Date: 11/19/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 29-Nov-2022 13:25:04

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221128-85983.b\1128AA22A057.D

Injection Date: 29-Nov-2022 00:51:25

Instrument ID: TAC129_R

Lims ID: 580-120304-N-14-A

Lab Sample ID: 580-120304-14

Client ID: RHMW13-05-WGN01G-2211WK3

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 29

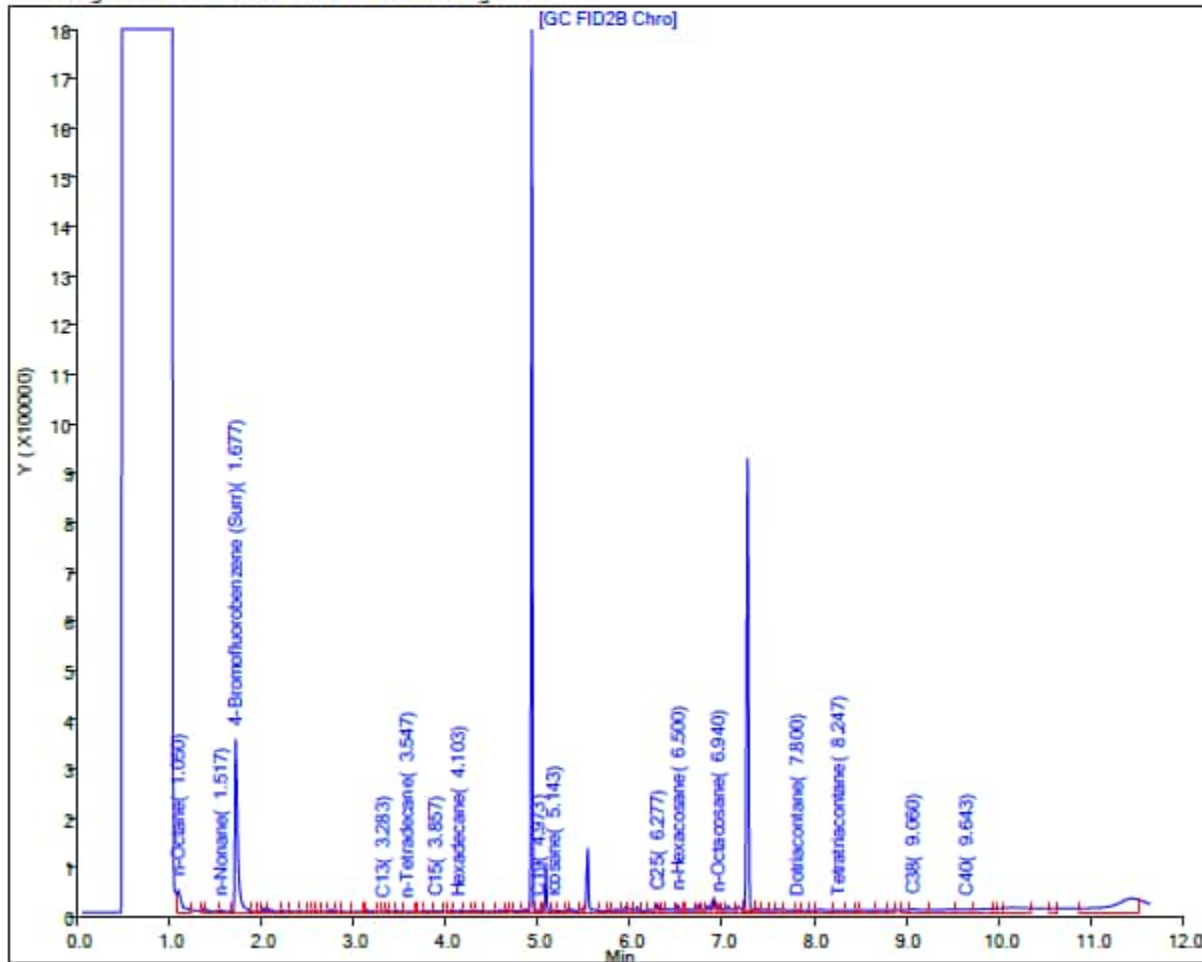
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2212WK3 Sample Date: 12/21/2022

Lab: Eurofins Seattle

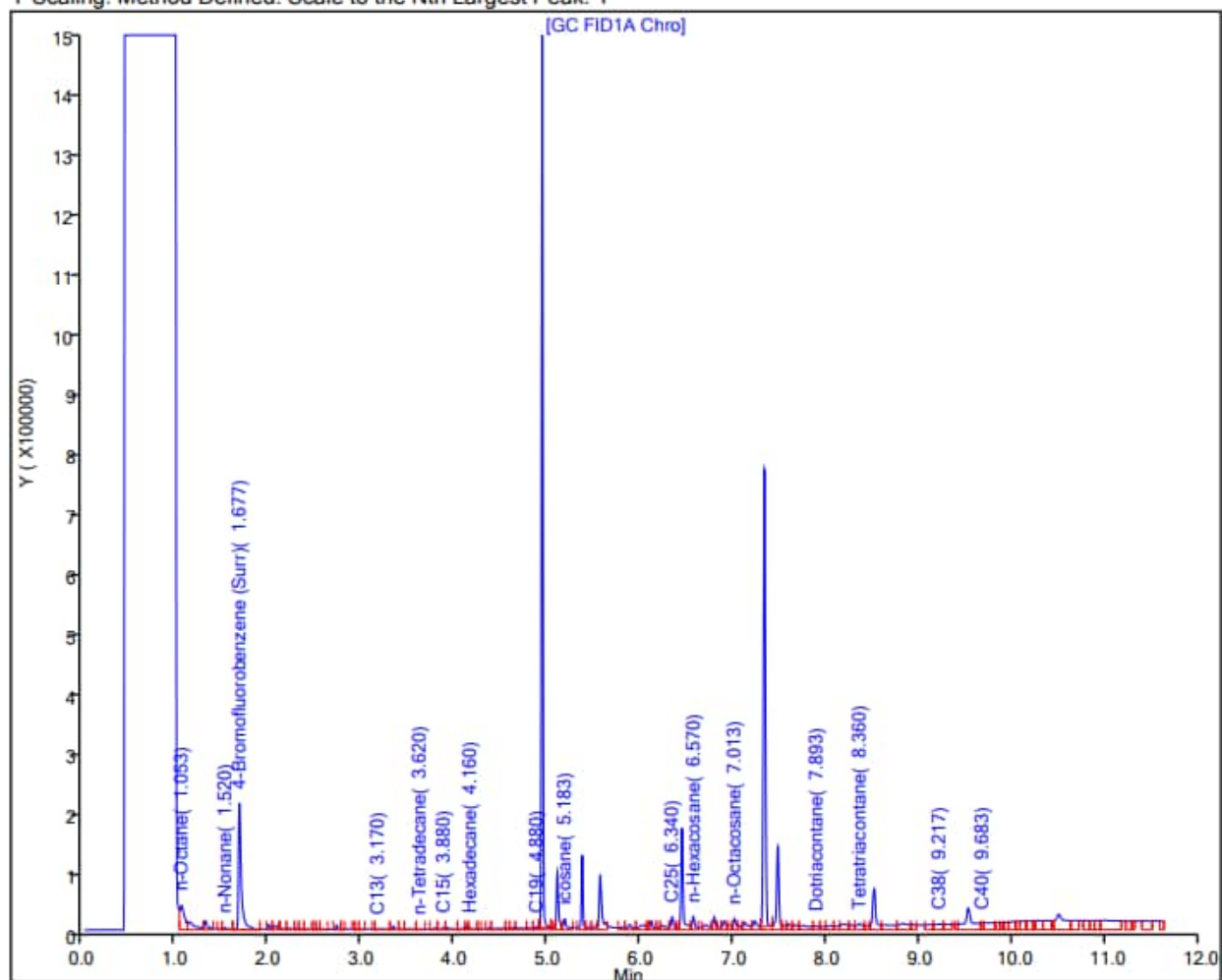
Results (ug/L): TPH-d (C10 to C24) <100 UJ TPH-o (C24 to C40) <300 UJ

Report Date: 29-Dec-2022 14:39:53

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20221228-86432.b\122822A030.D
Injection Date: 29-Dec-2022 02:40:02 Instrument ID: TAC129
Lims ID: 580-121497-N-9-A Lab Sample ID: 580-121497-9
Client ID: RHMW13-05-WGN01G-2212WK3
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2212WK4 Sample Date: 12/29/2022

Lab: Eurofins Seattle

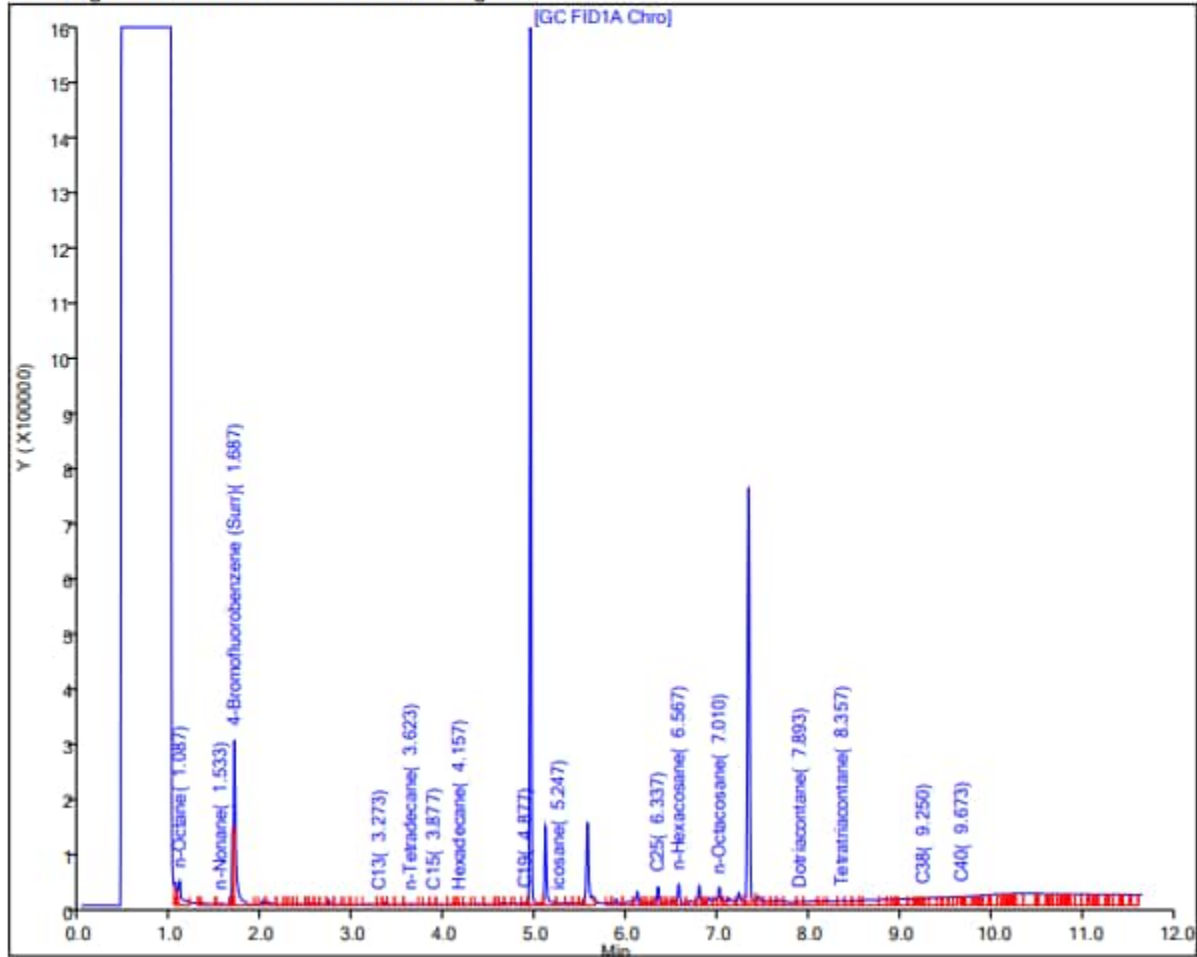
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 06-Jan-2023 12:46:24

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230105-86533.b\010523A014.D
Injection Date: 05-Jan-2023 17:07:06 Instrument ID: TAC129
Lims ID: 580-121747-E-9-A Lab Sample ID: 580-121747-9
Client ID: RHMW13-05-WGN01G-2212WK4
Operator ID: CC ALS Bottle#: 0 Worklist Smp#: 50
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2301WK1 Sample Date: 1/5/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 13-Jan-2023 10:46:28

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: Eurofins Seattle

Injection Date: 12-Jan-2023 15:43:42 Instrument ID: TAC129

Lims ID: 580-121931-N-1-A

Lab Sample ID: 580-121931-1

Client ID: RHMW13-05-WGN01G-2301WK1

Operator ID: kw/cc

ALS Bottle#: 0 Worklist Smp#: 41

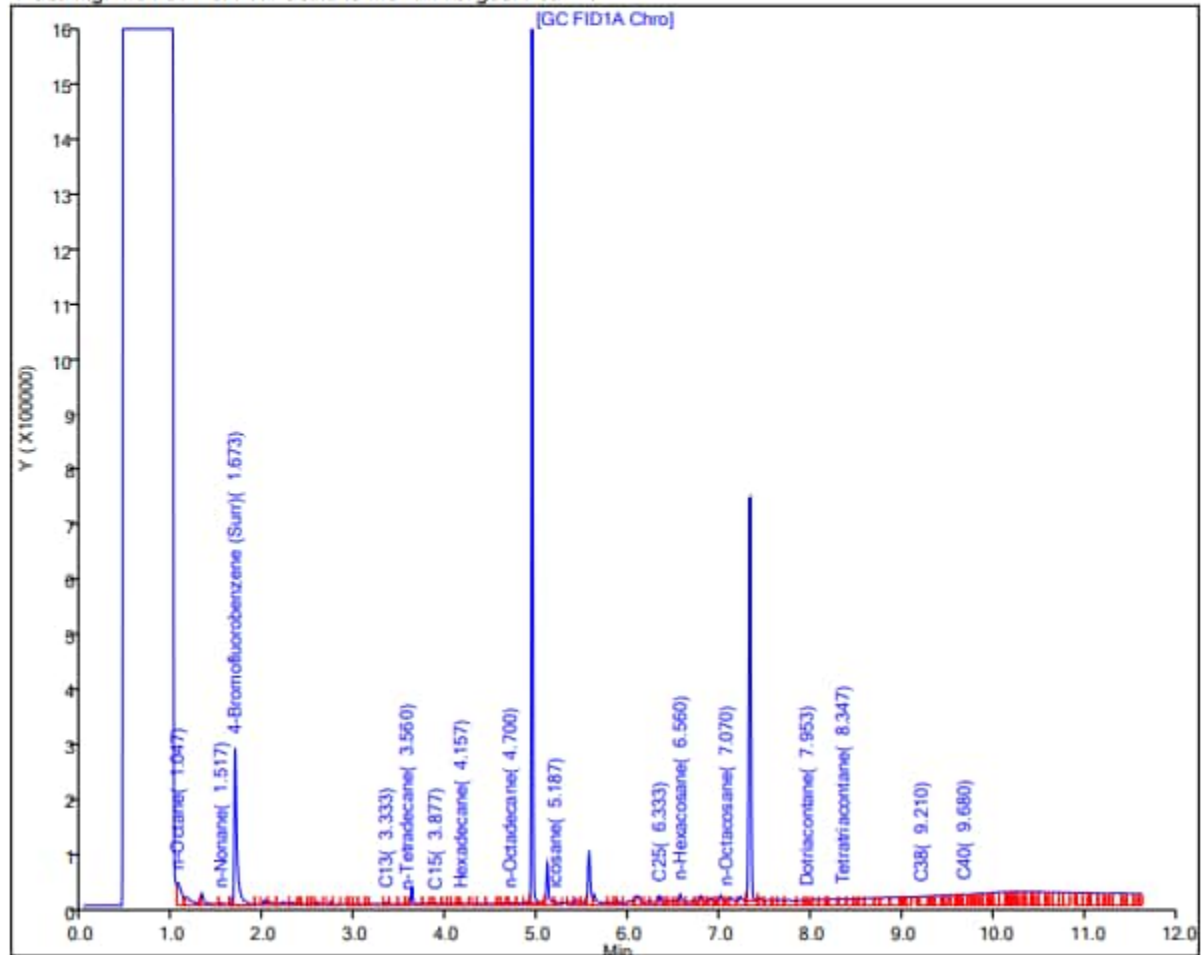
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2301WK2 Sample Date: 1/11/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 18-Jan-2023 09:33:56

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A051.D

Injection Date: 18-Jan-2023 05:14:12

Instrument ID: TAC129_R

Lims ID: 580-122145-N-4-A

Lab Sample ID: 580-122145-4

Client ID: RHMW13-05-WGN01G-2301WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 55

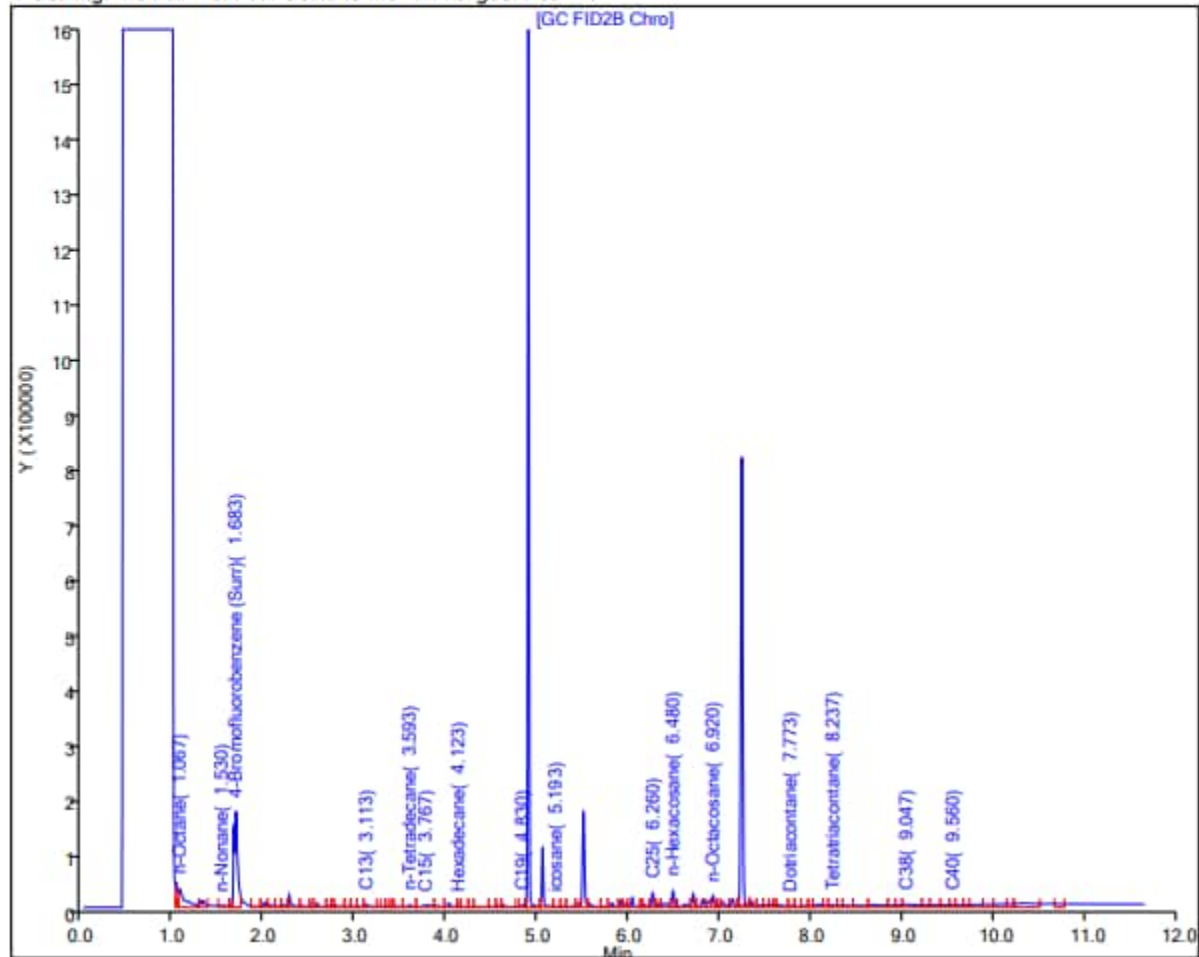
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2301WK3 Sample Date: 1/18/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <300 UJ

Report Date: 31-Jan-2023 11:46:50

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Data File: \\chromfs\Seattle\ChromData\TAC020\20230130-86859.b\013023_022.D

Injection Date: 30-Jan-2023 16:03:27

Instrument ID: TAC020

Lims ID: 580-122415-O-6-A

Lab Sample ID: 580-122415-6

Client ID: RHMW13-05-WGN01G-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 22

Injection Vol: 1.0 ul

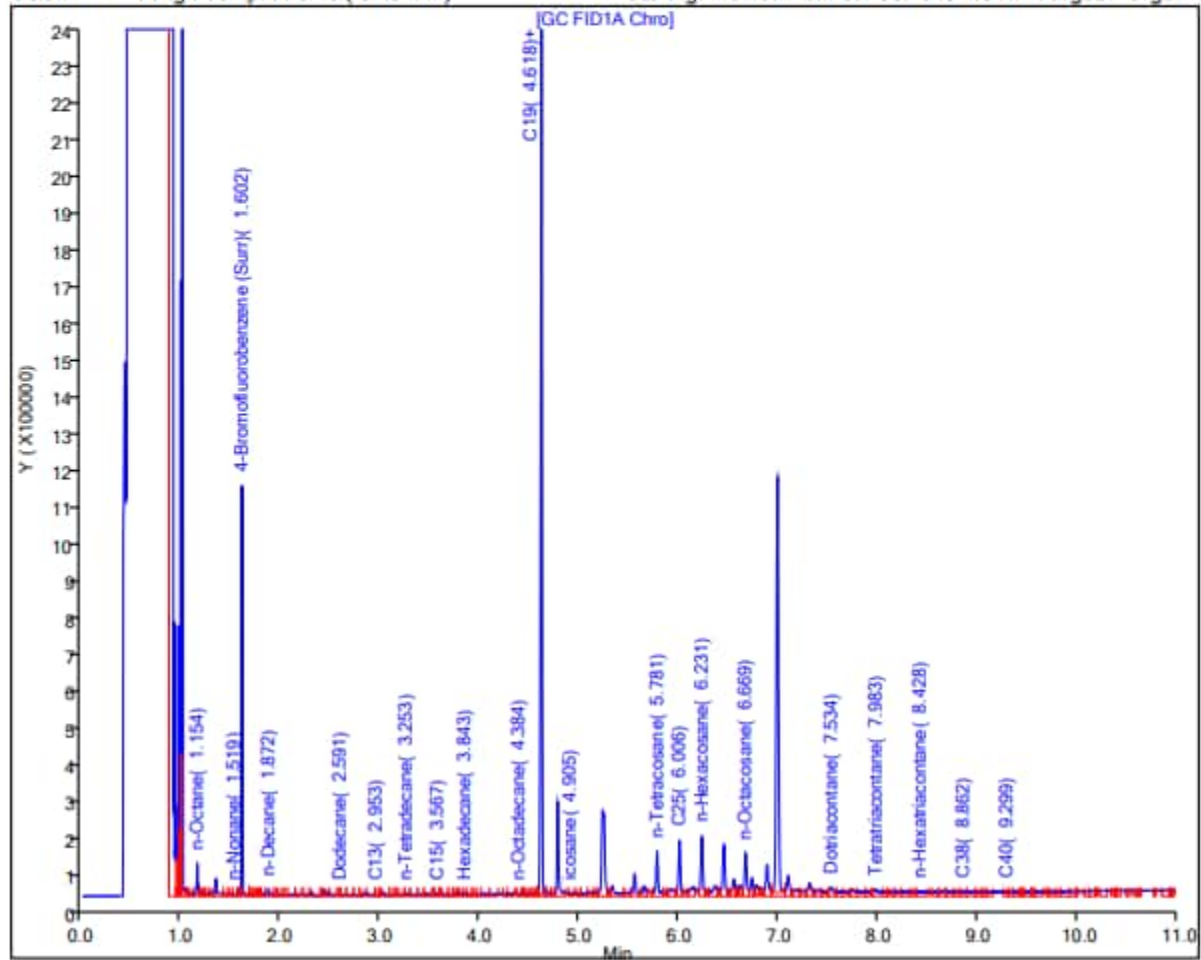
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2301WK4 Sample Date: 1/25/2023

Lab: Eurofins Seattle

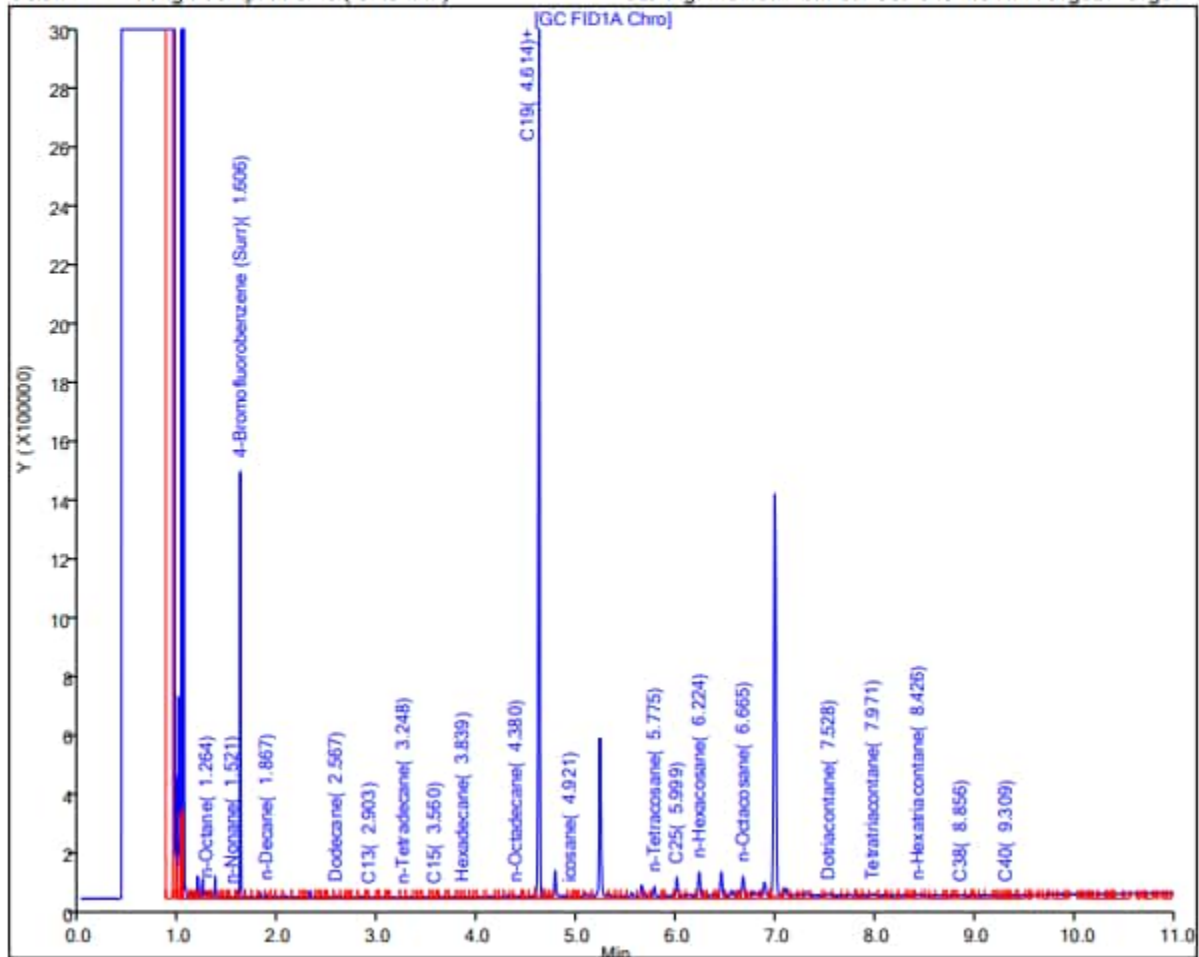
Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <310 UJ

Report Date: 03-Feb-2023 08:42:22

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230202-86931.b\0202b23_039.D
Injection Date: 03-Feb-2023 05:21:25 Instrument ID: TAC020
Lims ID: 580-122700-E-3-A Lab Sample ID: 580-122700-3
Client ID: RHMW13-05-WGN01G-2301WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 72
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2302WK4 Sample Date: 2/28/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 07-Mar-2023 11:48:42

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230306-87363.b\030623A042.D

Injection Date: 06-Mar-2023 18:42:05

Instrument ID: TAC129

Lims ID: 580-124172-O-10-A

Lab Sample ID: 580-124172-10

Client ID: RHMW13-05-WGN01G-2302WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 15

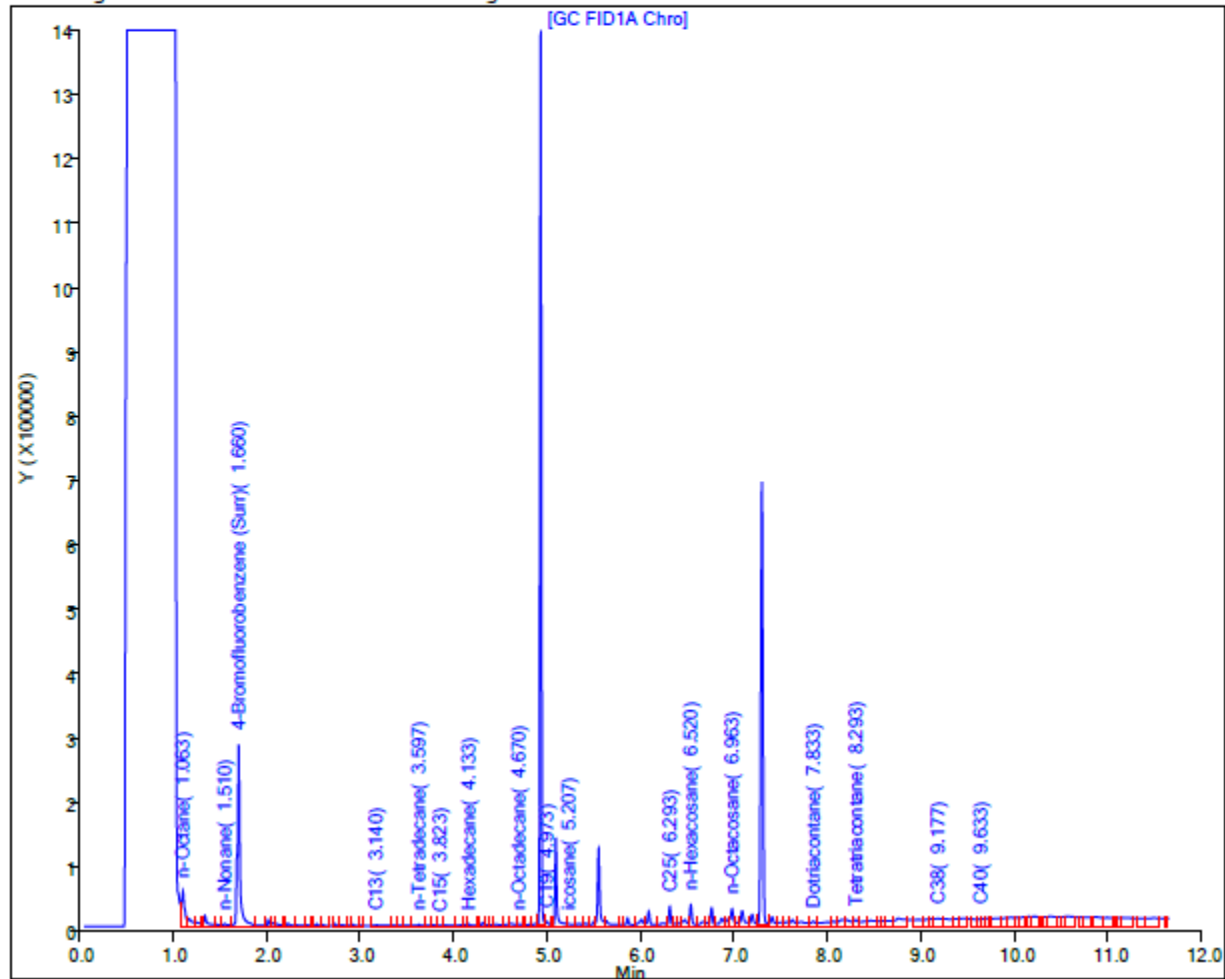
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW14-03 Sample ID: RHMW14-03-WGN02G-2211WK1 Sample Date: 11/9/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 16-Nov-2022 12:11:35

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85807.b\091522A029.D

Injection Date: 16-Nov-2022 03:42:53

Instrument ID: TAC129_R

Lims ID: 580-119908-N-5-A

Lab Sample ID: 580-119908-5

Client ID: RHMW14-03-WGN02G-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 42

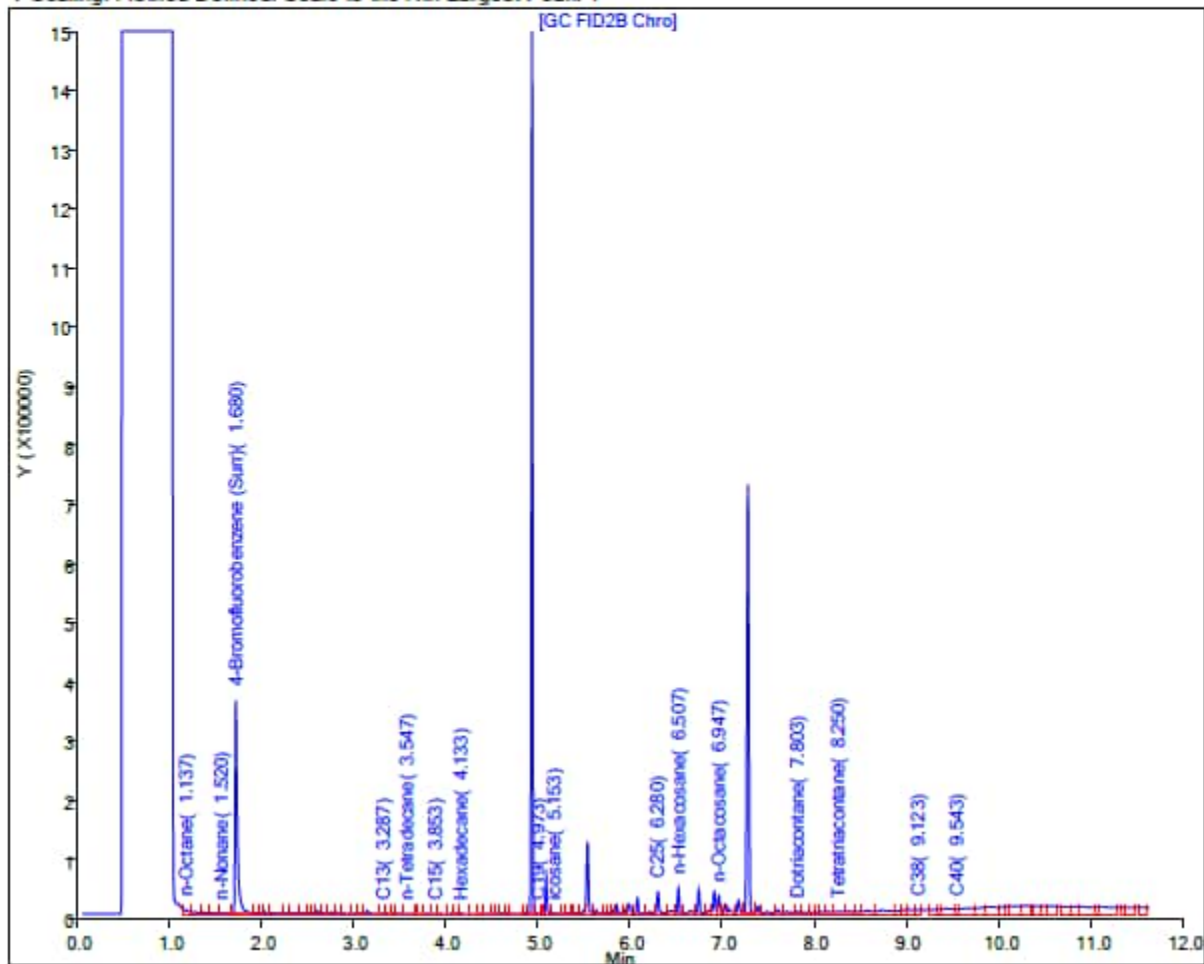
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW14-03 Sample ID: RHMW14-03-WGN01G-2211WK2 Sample Date: 11/15/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 18-Nov-2022 20:36:00

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_064.D

Injection Date: 18-Nov-2022 16:46:30

Instrument ID: TAC020

Lims ID: 580-120073-O-17-A

Lab Sample ID: 580-120073-17

Client ID: RHMW14-03-WGN01G-2211WK2

Operator ID: DH/CC

ALS Bottle#: 63

Worklist Smp#: 66

Injection Vol: 1.0 ul

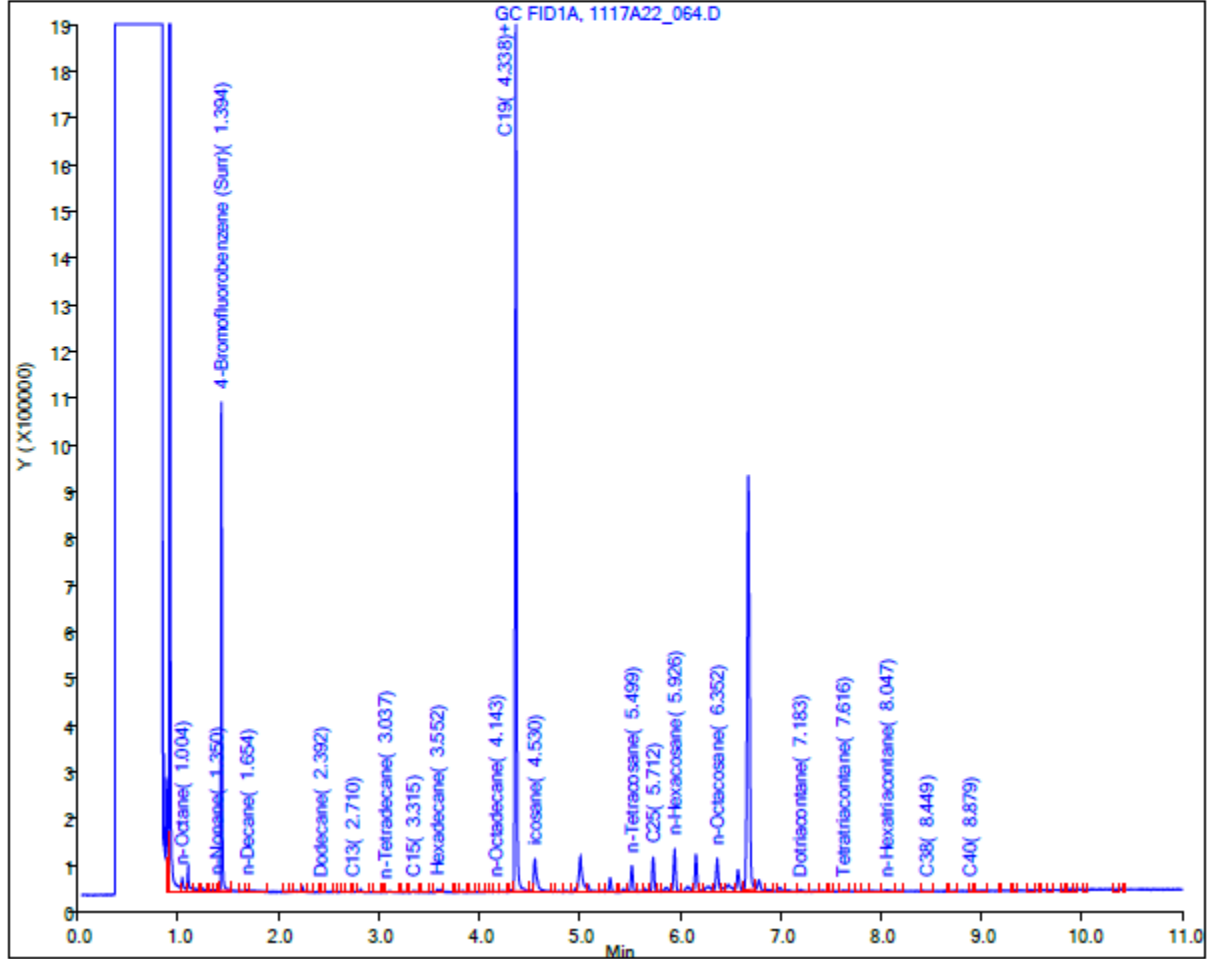
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW14-03 Sample ID: RHMW14-03-WGN02G-2211WK2 Sample Date: 11/17/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) 220 J

Report Date: 23-Nov-2022 12:55:10

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221122-85931.b\1122ab22A062.D

Injection Date: 23-Nov-2022 02:01:25

Instrument ID: TAC129

Lims ID: 580-120199-O-9-A

Lab Sample ID: 580-120199-9

Client ID: RHMW14-03-WGN02G-2211WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 56

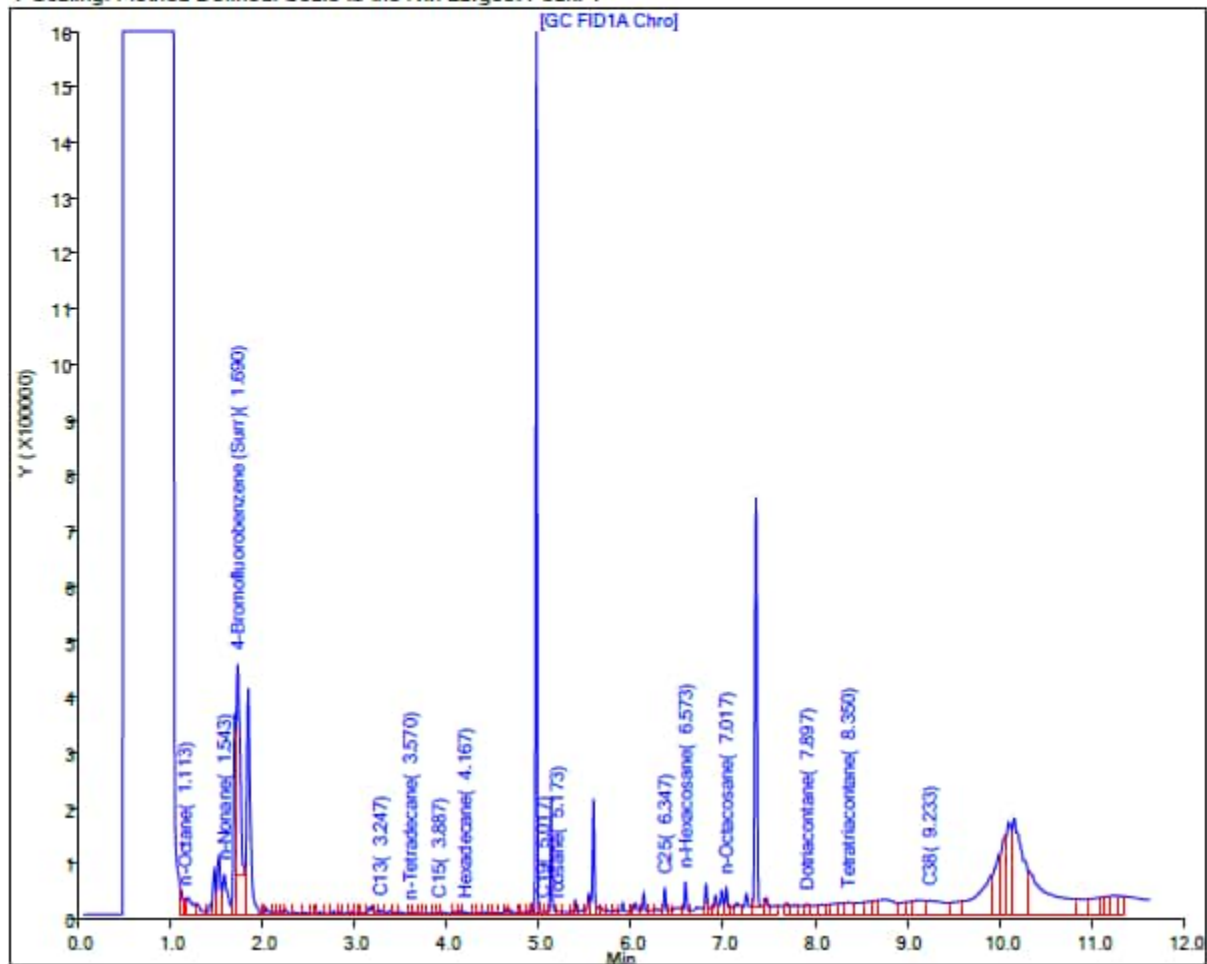
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 30-Nov-2022 14:21:13

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221129-86014.b\112922_013.D

Injection Date: 29-Nov-2022 22:44:30

Instrument ID: TAC020

Lims ID: 580-120199-O-9-B

Lab Sample ID: 580-120199-9

Client ID: RHMW14-03-WGN02G-2211WK2

Operator ID: DH

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

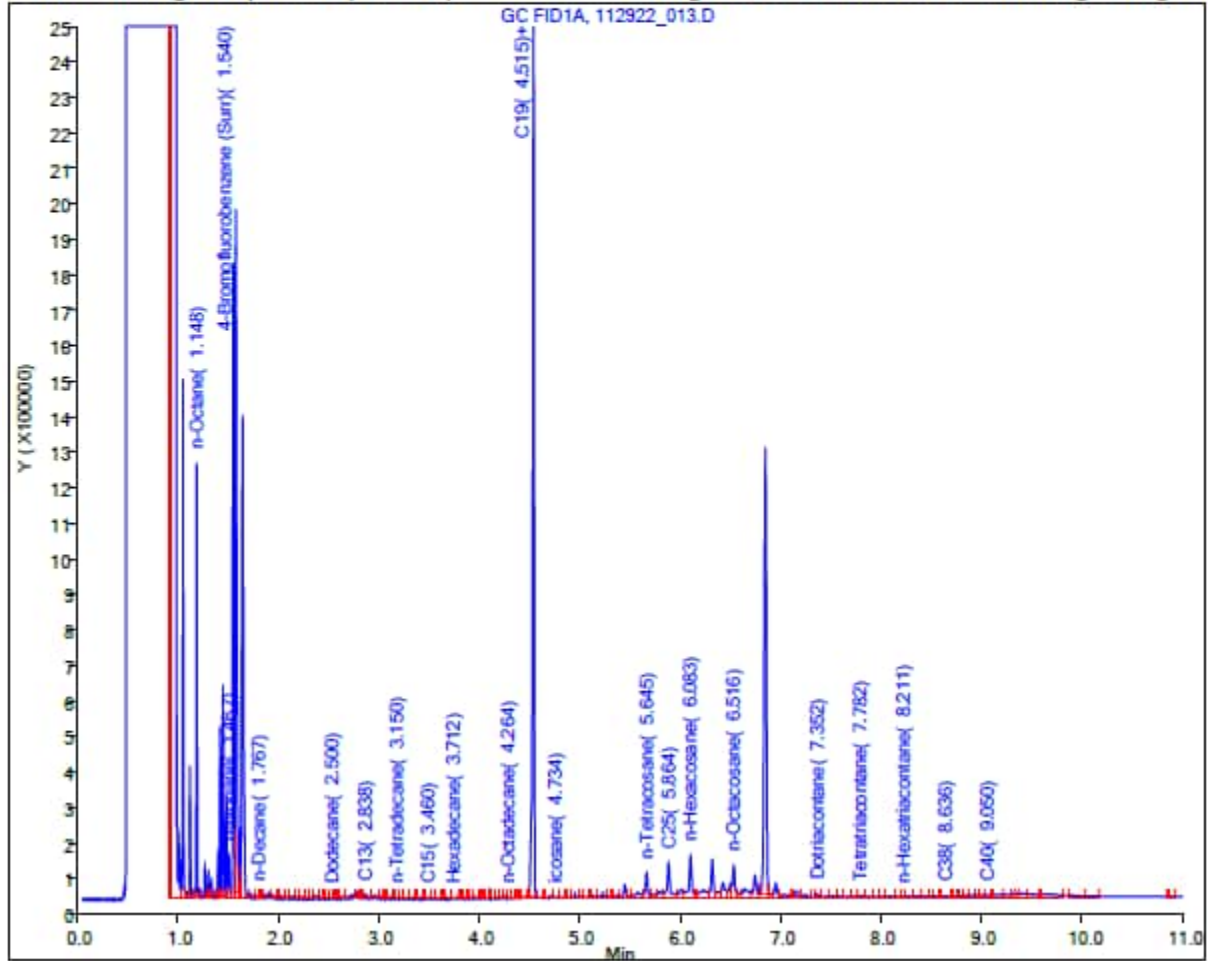
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

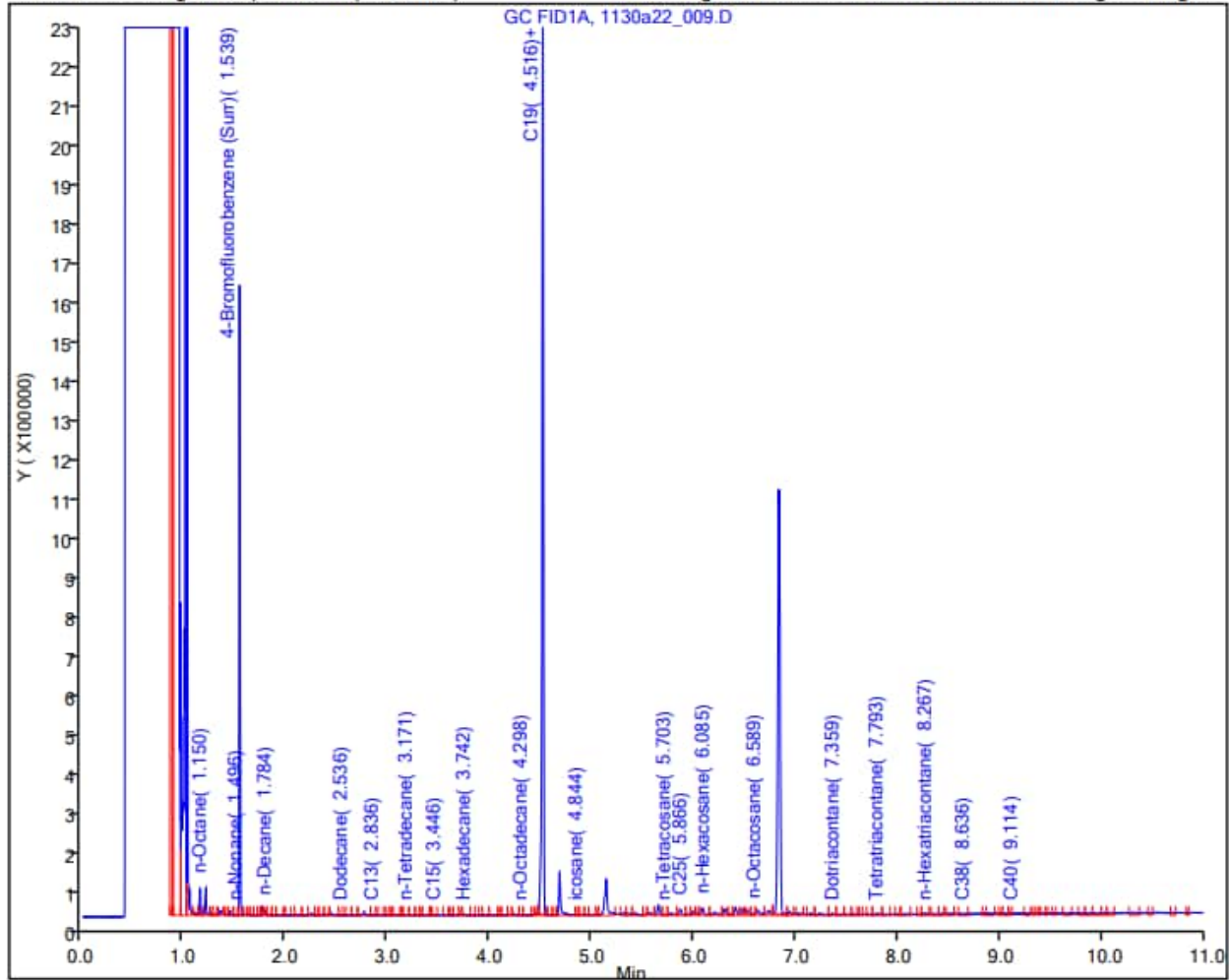


Location: RHMW14-03 Sample ID: RHMW14-03-WGN02G-2211WK3 Sample Date: 11/23/2022

Lab: Energy

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 01-Dec-2022 15:23:59 Chrom Revision: 2.3 01-Dec-2022 08:01:02
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20221130-86038.b\1130a22_009.D
Injection Date: 30-Nov-2022 23:47:30 Instrument ID: TAC020
Lims ID: 580-120438-O-1-A Lab Sample ID: 580-120438-1
Client ID: RHMW14-03-WGN02G-2211WK3
Operator ID: DH ALS Bottle#: 9 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW14-03 Sample ID: RHMW14-03-WGN01G-2212WK3 Sample Date: 12/20/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 88 J

TPH-o (C24 to C40) <300 U

Report Date: 29-Dec-2022 14:32:33

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221228-86433.b\122822A017.D

Injection Date: 29-Dec-2022 00:48:44

Instrument ID: TAC129_R

Lims ID: 580-121497-N-5-A

Lab Sample ID: 580-121497-5

Client ID: RHMW14-03-WGN01G-2212WK3

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 9

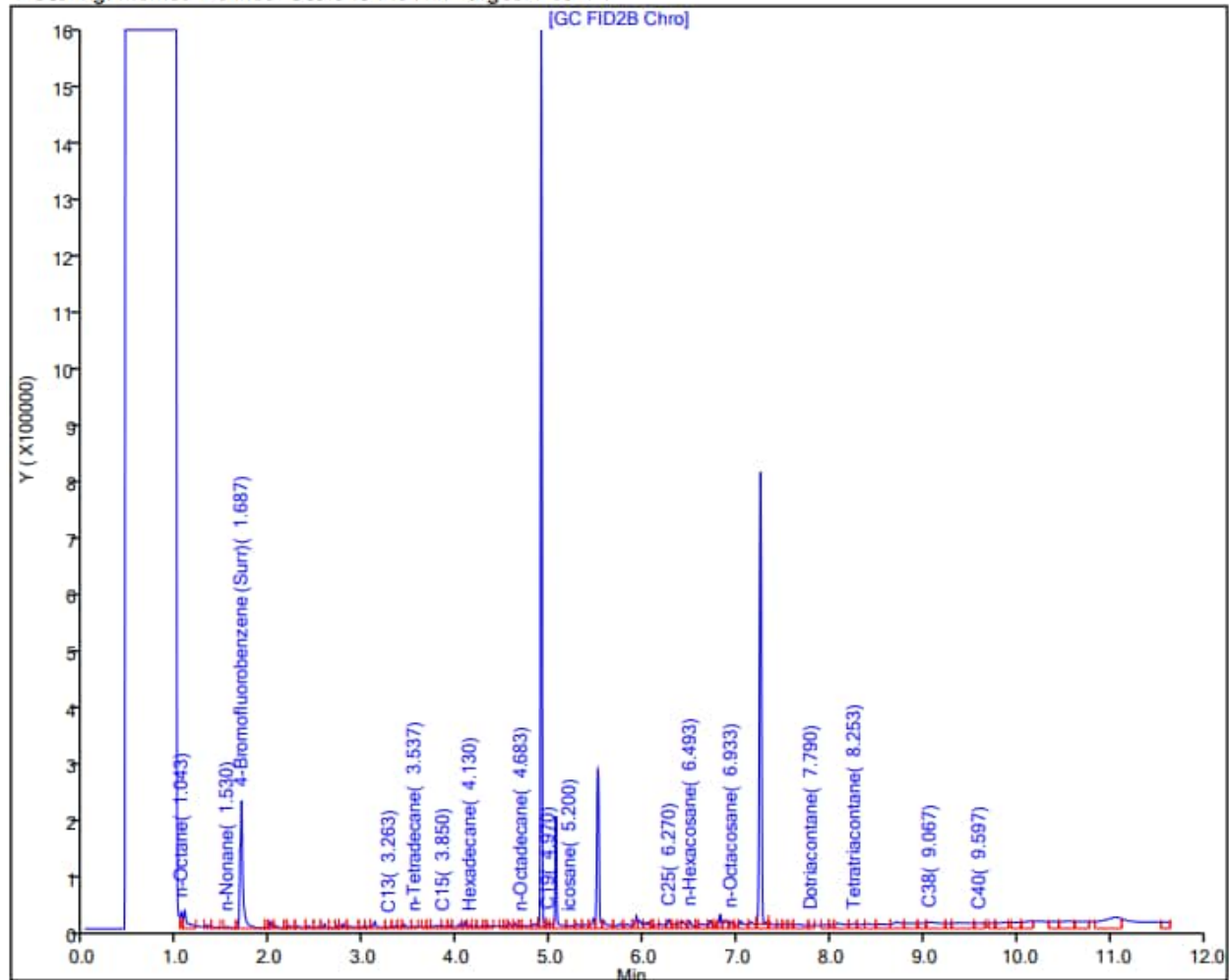
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 14-Jan-2023 15:34:45

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230113-86667.b\0113a23A057.D

Injection Date: 14-Jan-2023 07:49:30

Instrument ID: TAC129_R

Lims ID: 580-121497-N-5-B

Lab Sample ID: 580-121497-5

Client ID: RHMW14-03-WGN01G-2212WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 70

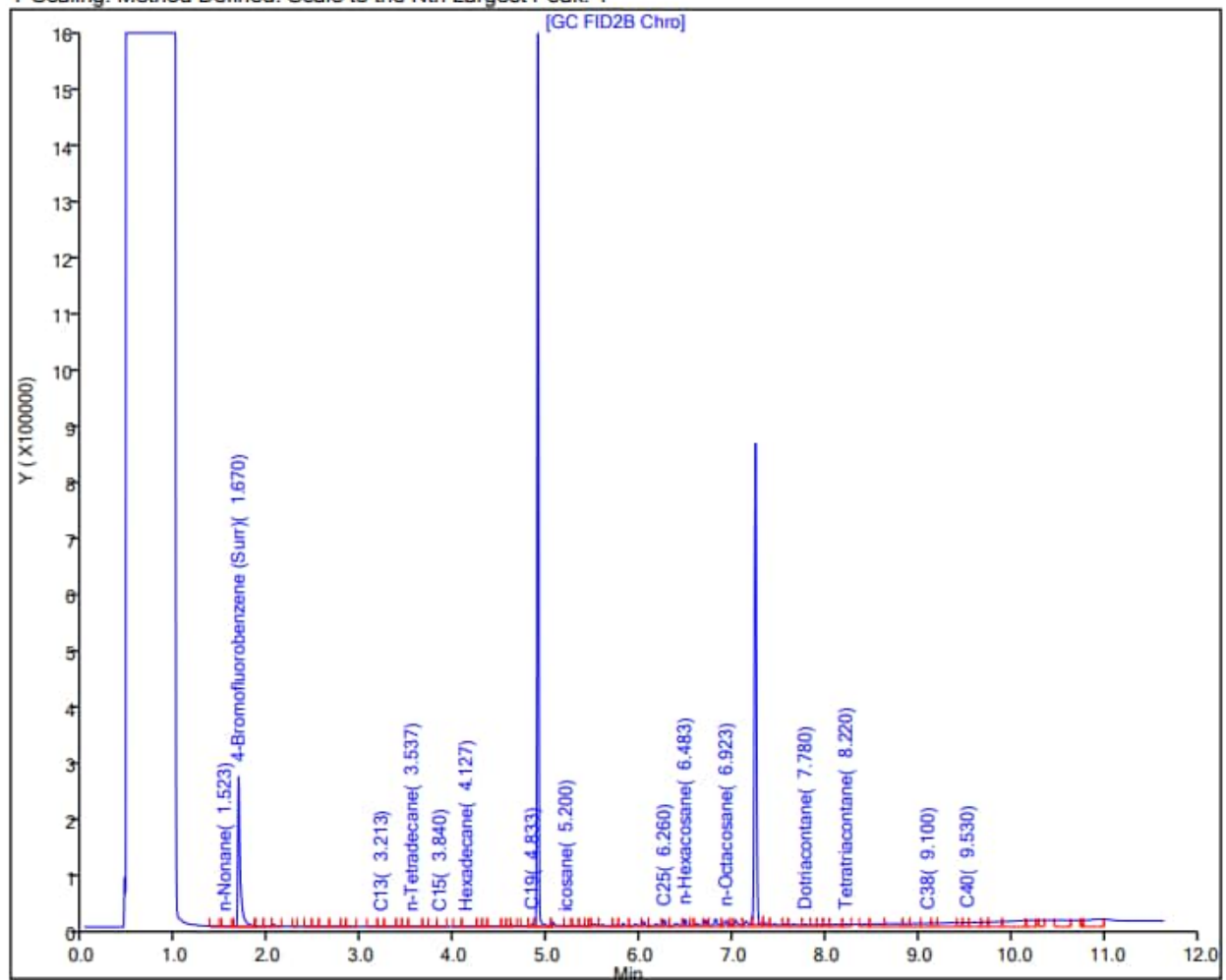
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW14-03 Sample ID: RHMW14-03-WGN01G-2212WK4 Sample Date: 12/30/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

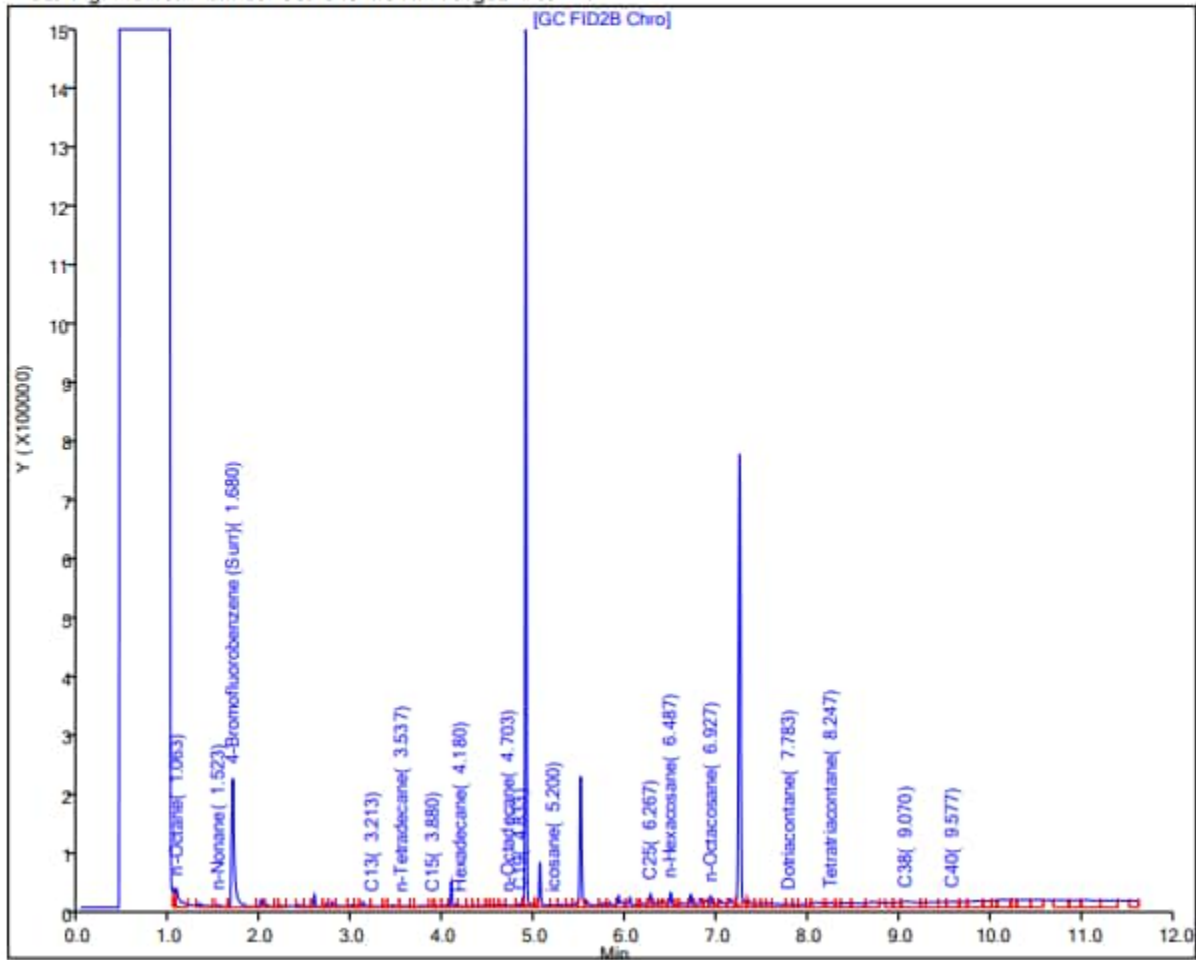
TPH-o (C24 to C40) <310 U

Report Date: 11-Jan-2023 14:12:03

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A045.D
Injection Date: 06-Jan-2023 19:45:21 Instrument ID: TAC129_R
Lims ID: 580-121747-E-5-A Lab Sample ID: 580-121747-5
Client ID: RHMW14-03-WGN01G-2212WK4
Operator ID: CC ALS Bottle#: 0 Worklist Smp#: 52
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW14-03 Sample ID: RHMW14-03-WGN01G-2301WK1 Sample Date: 1/6/2023

Lab: Eurofins Seattle

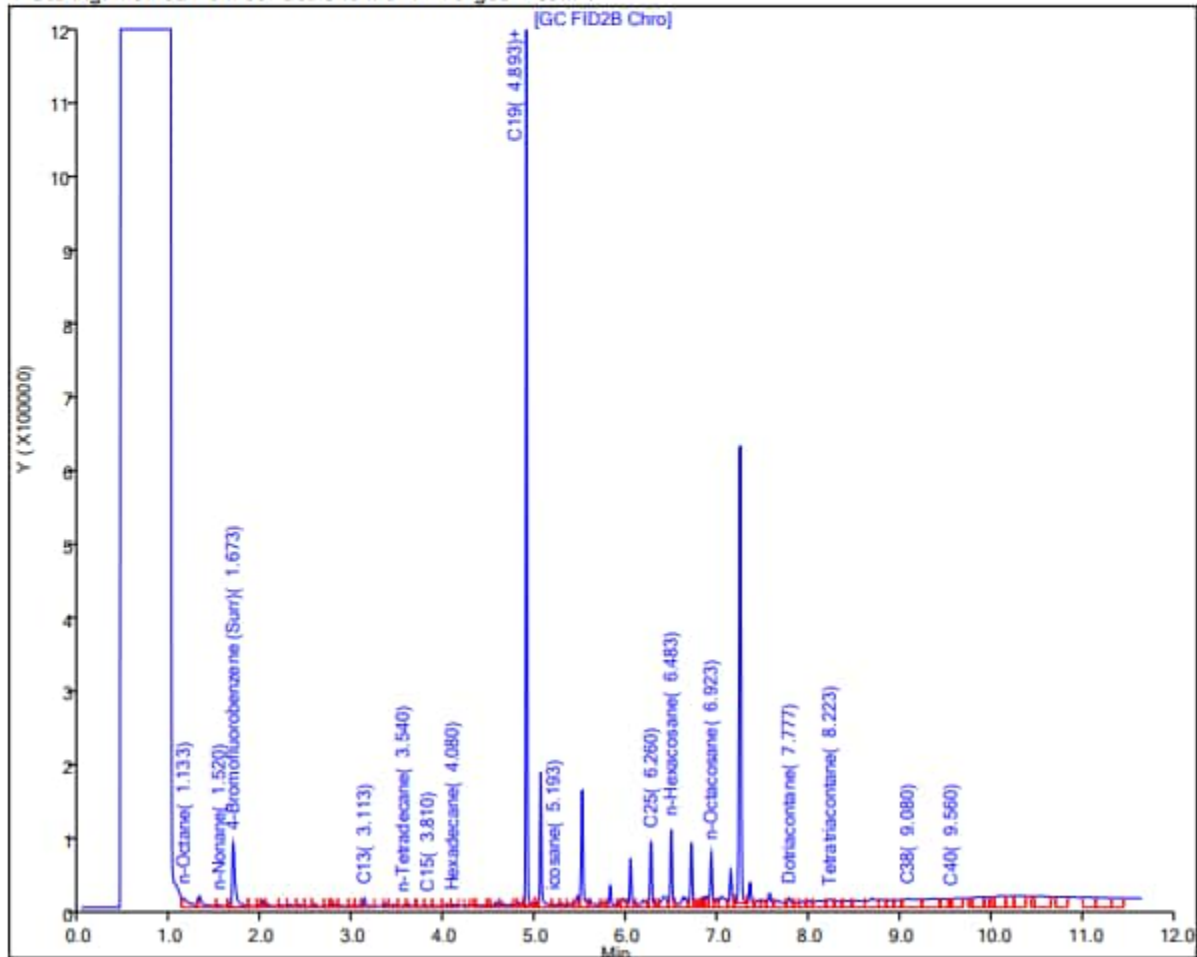
Results (ug/L): TPH-d (C10 to C24) <97 UJ

TPH-o (C24 to C40) <290 UJ

Report Date: 16-Jan-2023 11:32:17

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230114-86670.b\011423A049.D
Injection Date: 14-Jan-2023 22:32:22 Instrument ID: TAC129_R
Lims ID: 580-121982-O-5-A Lab Sample ID: 580-121982-5
Client ID: RHMW14-03-WGN01G-2301WK1
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW14-03 Sample ID: RHMW14-03-WGN01G-2301WK2 Sample Date: 1/12/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 88 J

TPH-o (C24 to C40) <300 U

Report Date: 20-Jan-2023 14:14:25

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230120-86765.b\012023A017.D

Injection Date: 20-Jan-2023 11:06:29

Instrument ID: TAC129_R

Lims ID: 580-122214-O-14-A

Lab Sample ID: 580-122214-14

Client ID: RHMW14-03-WGN01G-2301WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 8

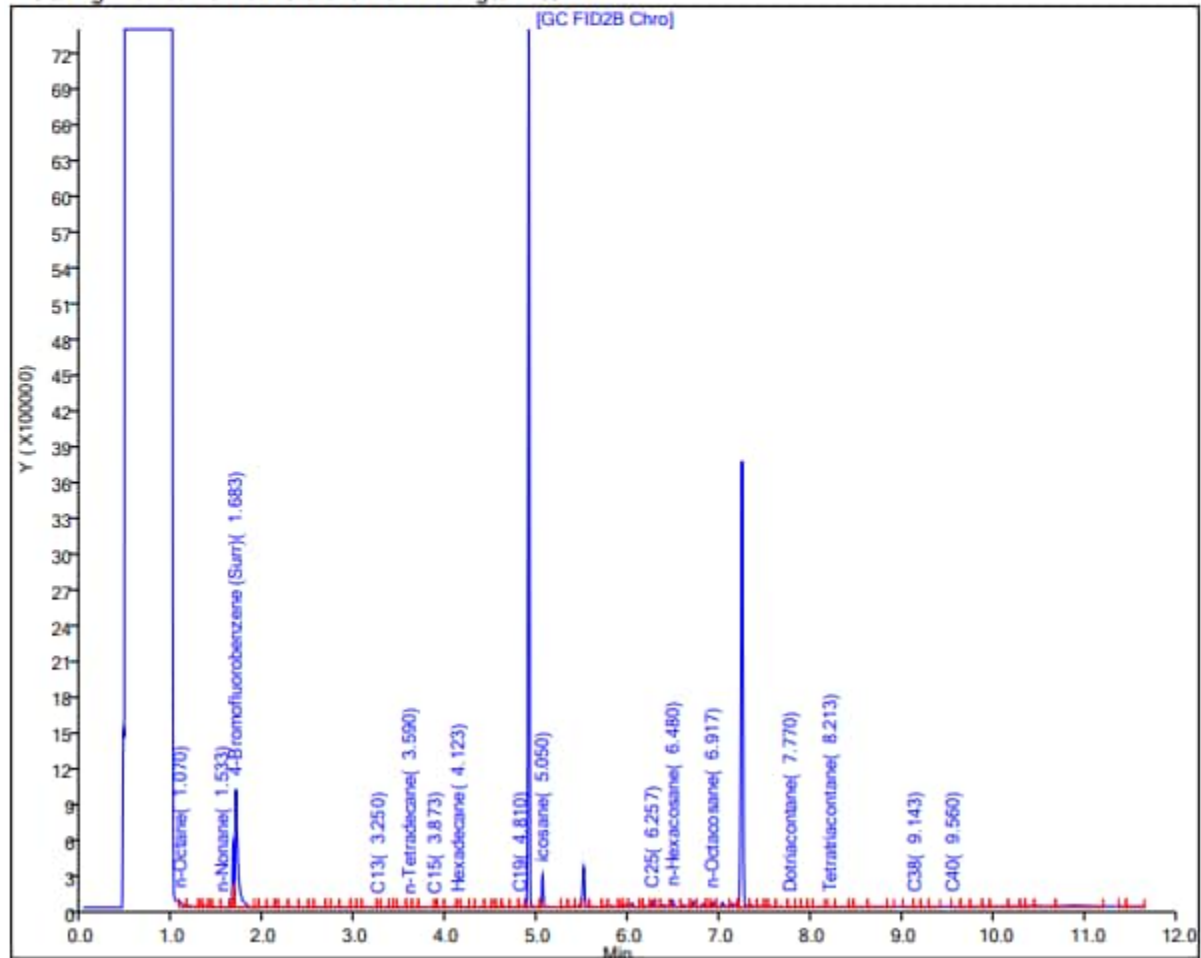
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 26-Jan-2023 08:13:34

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230125-86822.b\012523A044.D

Injection Date: 26-Jan-2023 01:35:15

Instrument ID: TAC129

Lims ID: 580-122214-O-14-B

Lab Sample ID: 580-122214-14

Client ID: RHMW14-03-WGN01G-2301WK2

Operator ID: CC

ALS Bottle#: 0

Worklist Smp#: 22

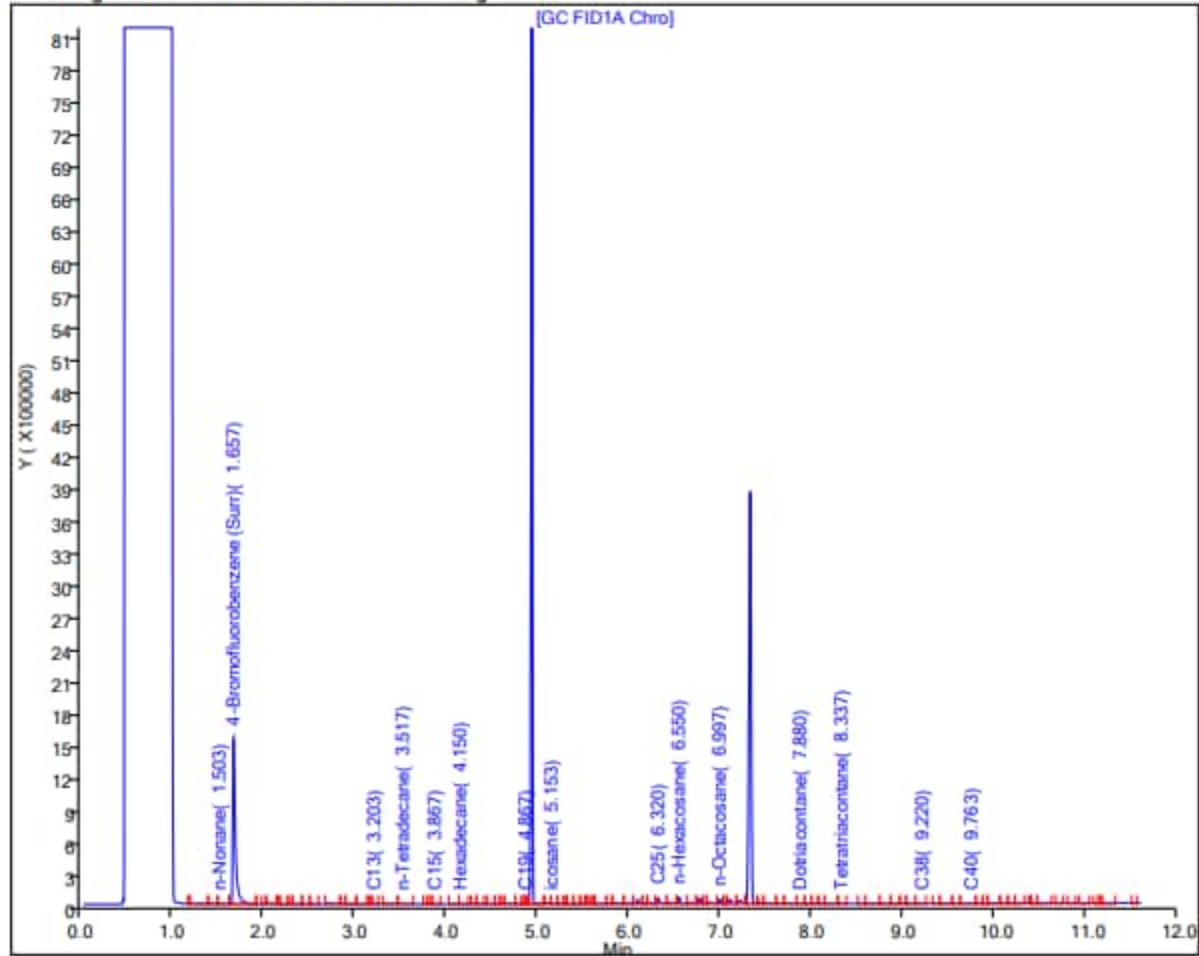
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW14-03 Sample ID: RHMW14-03-WGN01G-2301WK3 Sample Date: 1/19/2023

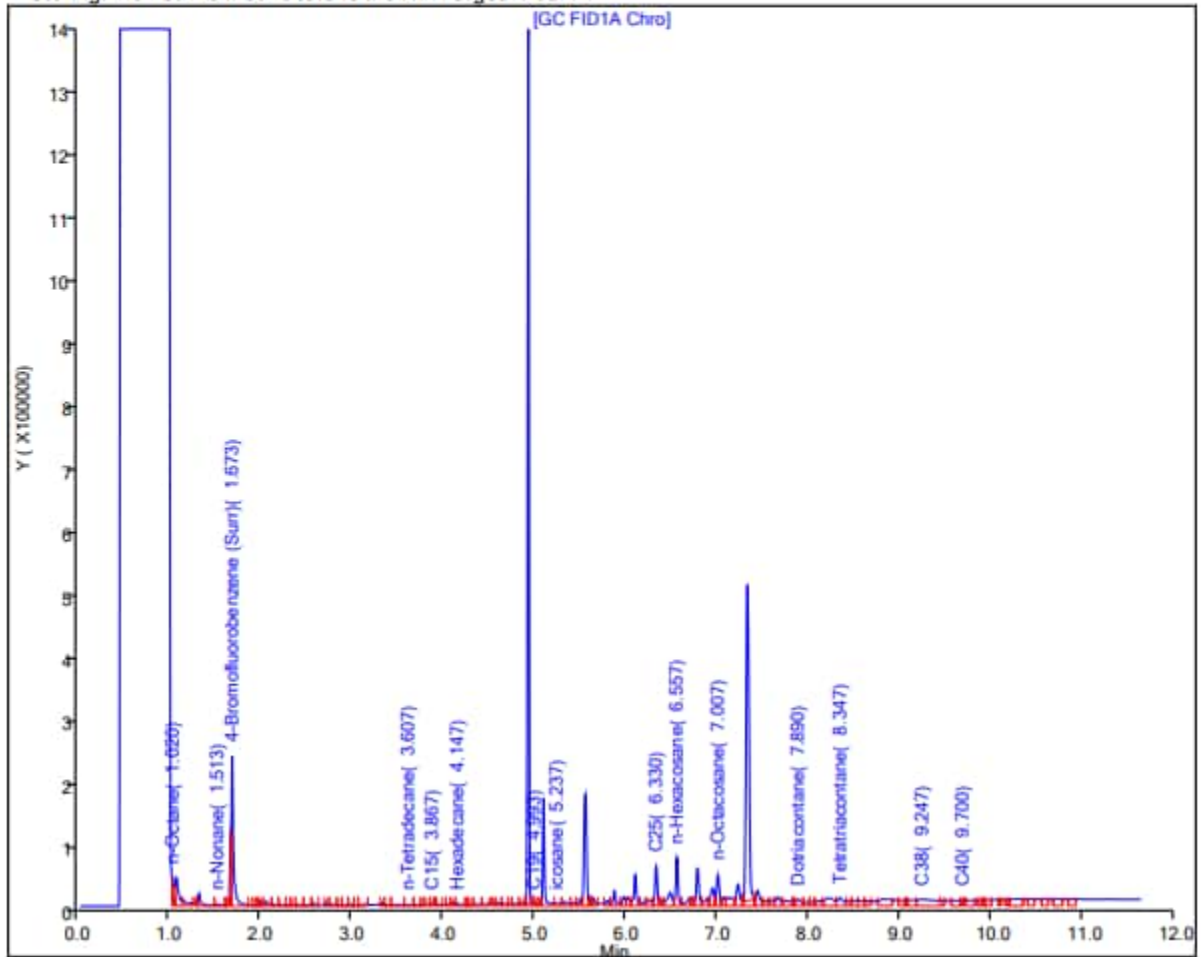
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ TPH-o (C24 to C40) <300 U

Report Date: 27-Jan-2023 10:15:48

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230126-86830.b\0126a23A052.D
Injection Date: 26-Jan-2023 22:14:54 Instrument ID: TAC129
Lims ID: 580-122498-O-5-A Lab Sample ID: 580-122498-5
Client ID: RHMW14-03-WGN01G-2301WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW14-03 Sample ID: RHMW14-03-WGN01G-2301WK4 Sample Date: 1/26/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 03-Feb-2023 08:35:46

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230202-86915.b\020223A040.D

Injection Date: 02-Feb-2023 15:40:39

Instrument ID: TAC129

Lims ID: 580-122762-F-1-A

Lab Sample ID: 580-122762-1

Client ID: RHMW14-03-WGN01G-2301WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 22

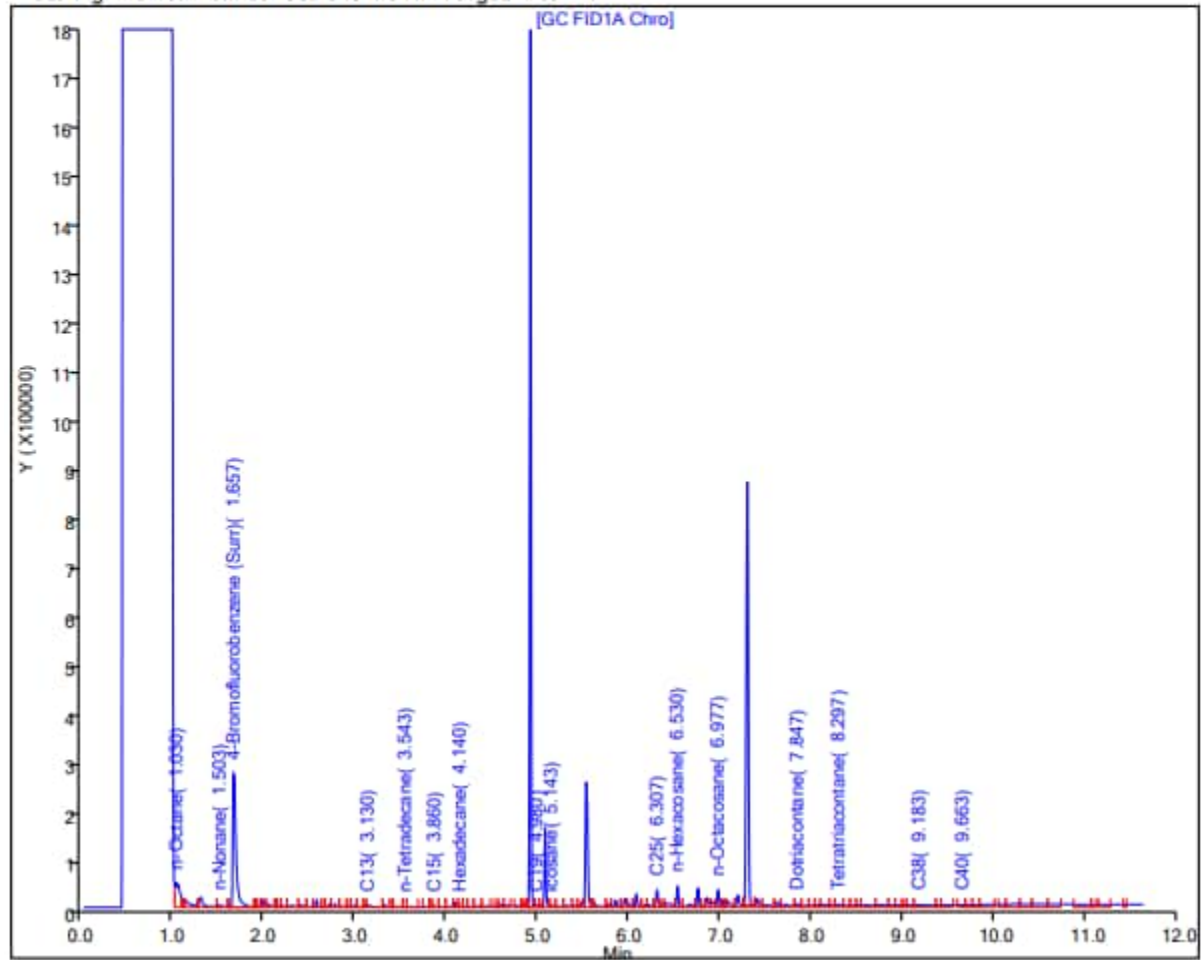
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW14-03 Sample ID: RHMW14-03-WGN01G-2302WK2 Sample Date: 2/16/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 23-Feb-2023 08:44:59

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230222-87216.b\022223A033.D

Injection Date: 22-Feb-2023 23:51:48 Instrument ID: TAC129_R

Lims ID: 580-123676-N-10-B Lab Sample ID: 580-123676-10

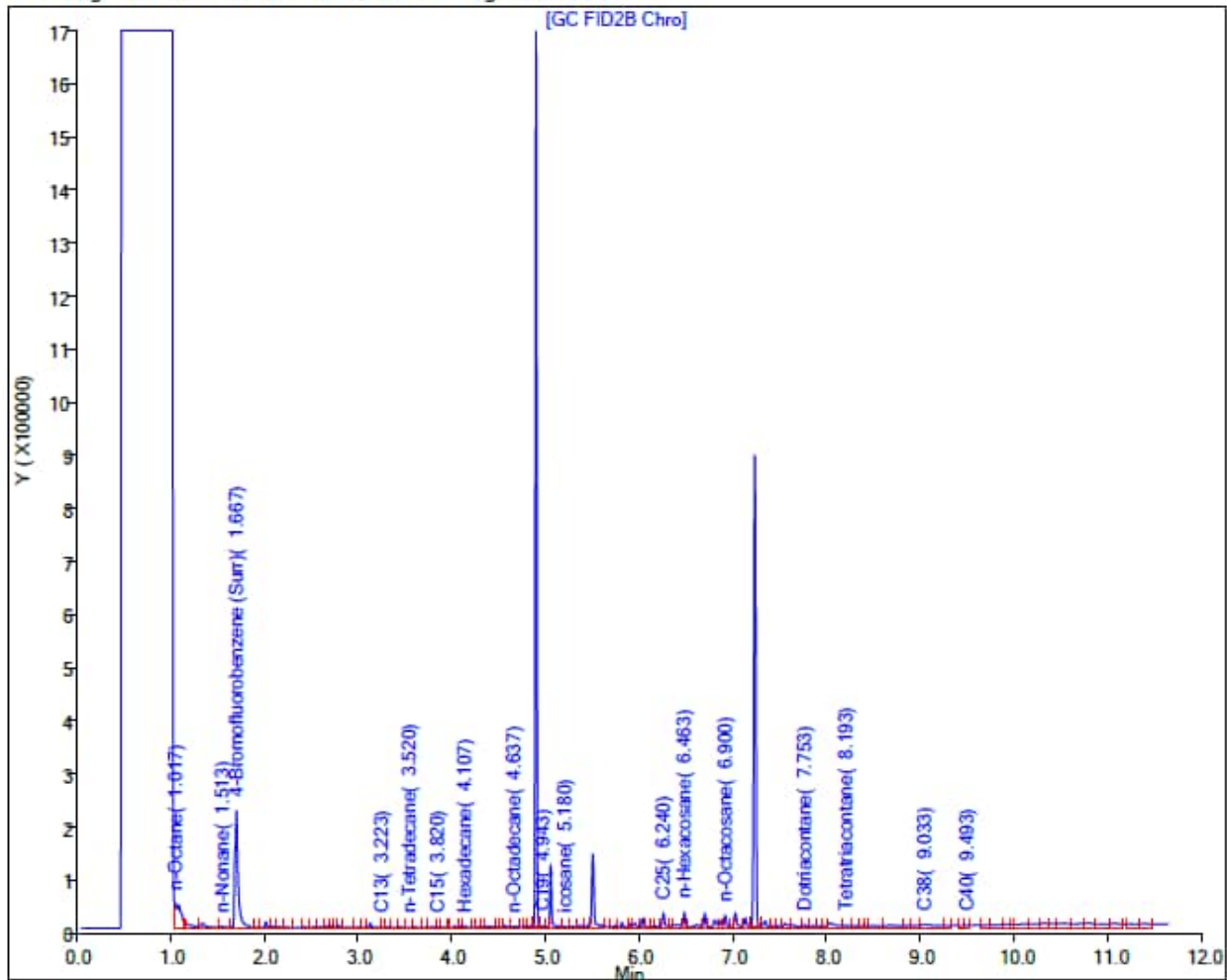
Client ID: RHMW14-03-WGN01G-2302WK2

Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 17

Injection Vol: 1.0 uL Dil. Factor: 1.0000

Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW14-03 Sample ID: RHMW14-03-WGN01G-2302WK3 Sample Date: 2/23/2023

Lab: Eurofins Seattle

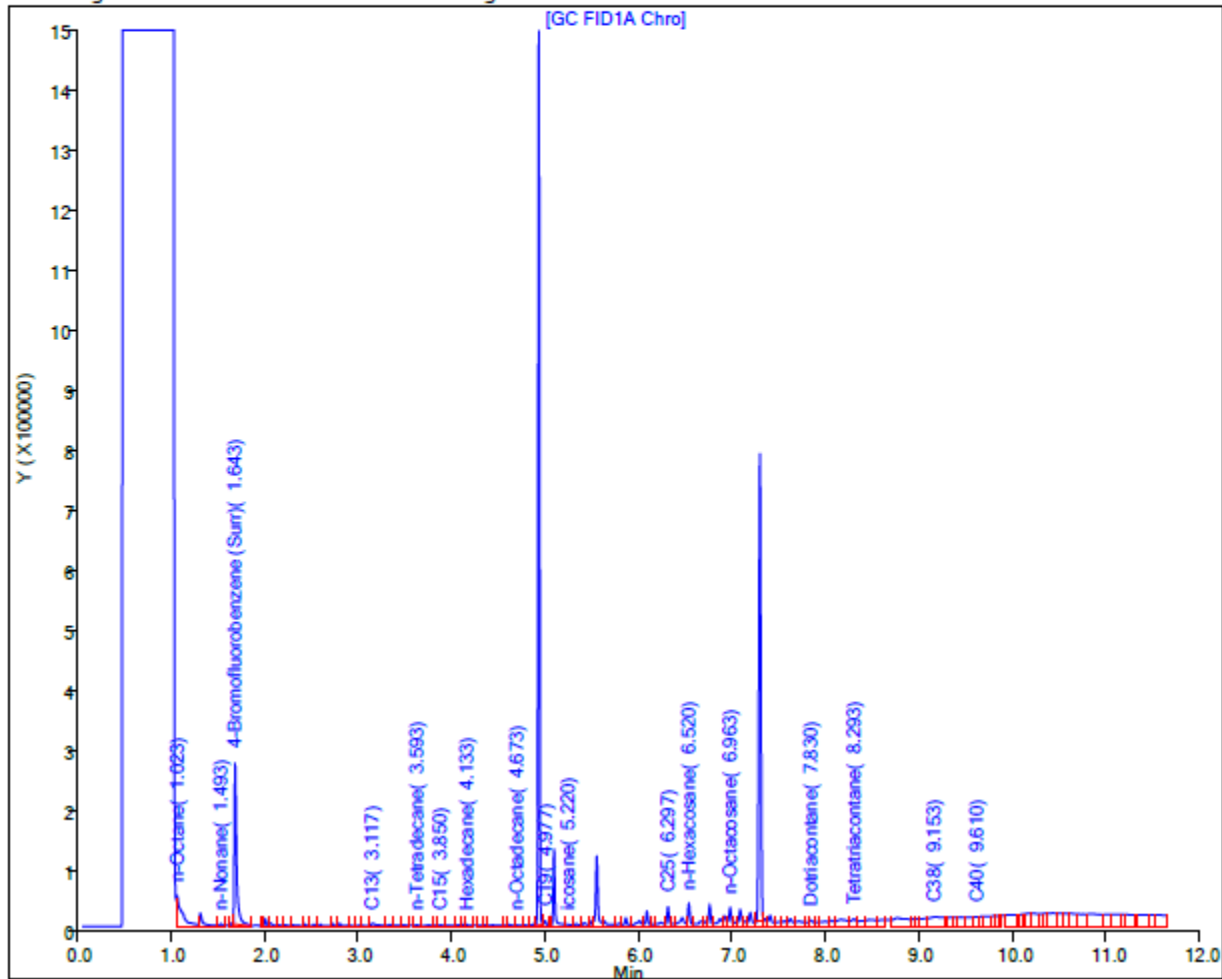
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 03-Mar-2023 09:37:30

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230302-87325.b\030223A040.D
Injection Date: 02-Mar-2023 22:53:07 Instrument ID: TAC129
Lims ID: 580-123942-O-10-A Lab Sample ID: 580-123942-10
Client ID: RHMW14-03-WGN01G-2302WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW15-05 Sample ID: RHMW15-05-WGN02G-2211WK1 Sample Date: 11/10/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 17-Nov-2022 11:55:08

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A045.D

Injection Date: 17-Nov-2022 04:53:21

Instrument ID: TAC129_R

Lims ID: 580-119993-O-11-A

Lab Sample ID: 580-119993-11

Client ID: RHMW15-05-WGN02G-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 52

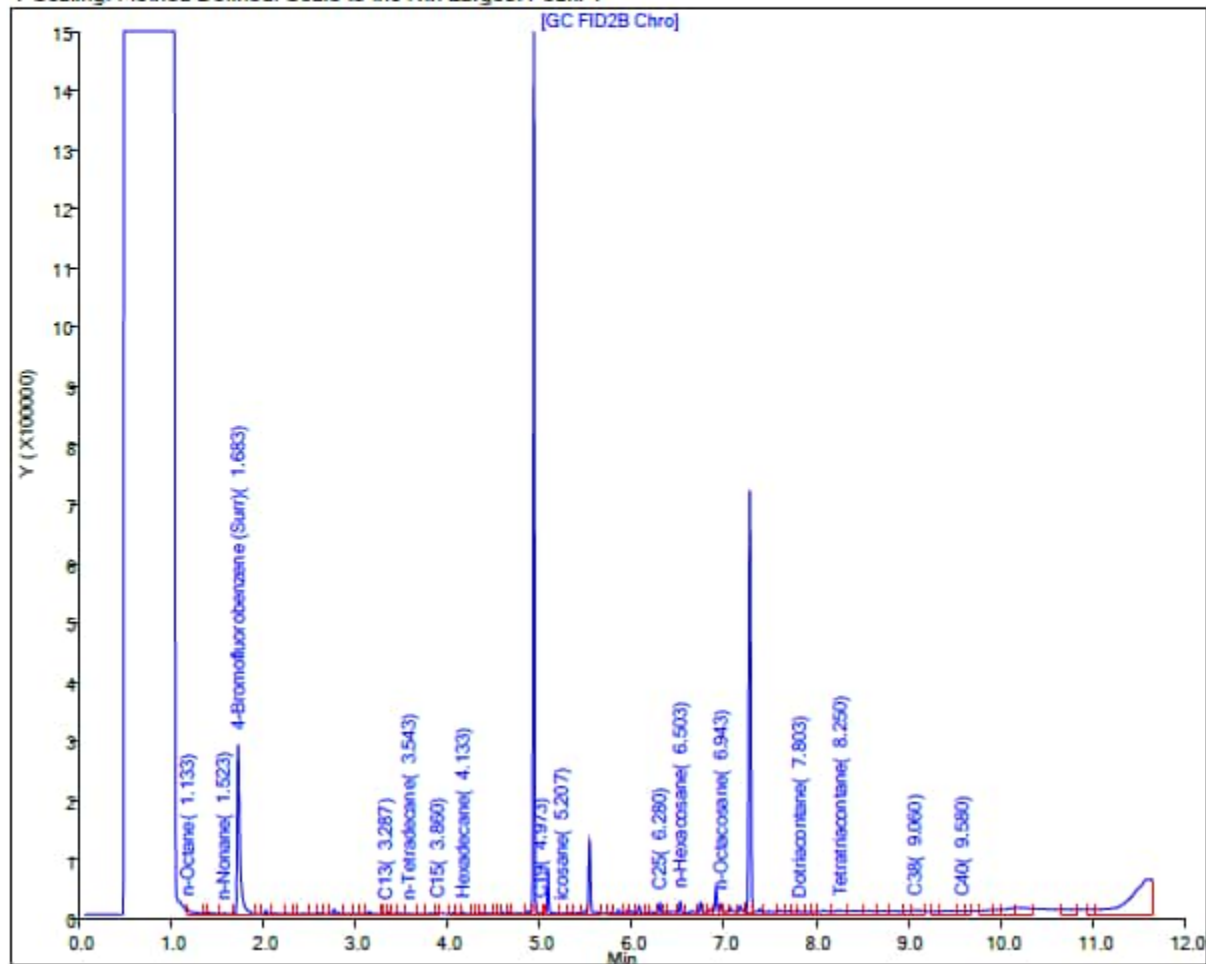
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2211WK2 Sample Date: 11/15/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 18-Nov-2022 20:35:50

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_061.D

Injection Date: 18-Nov-2022 15:46:30

Instrument ID: TAC020

Lims ID: 580-120073-N-9-A

Lab Sample ID: 580-120073-9

Client ID: RHMW15-05-WGN01G-2211WK2

Operator ID: DH/CC

ALS Bottle#: 60 Worklist Smp#: 63

Injection Vol: 1.0 ul

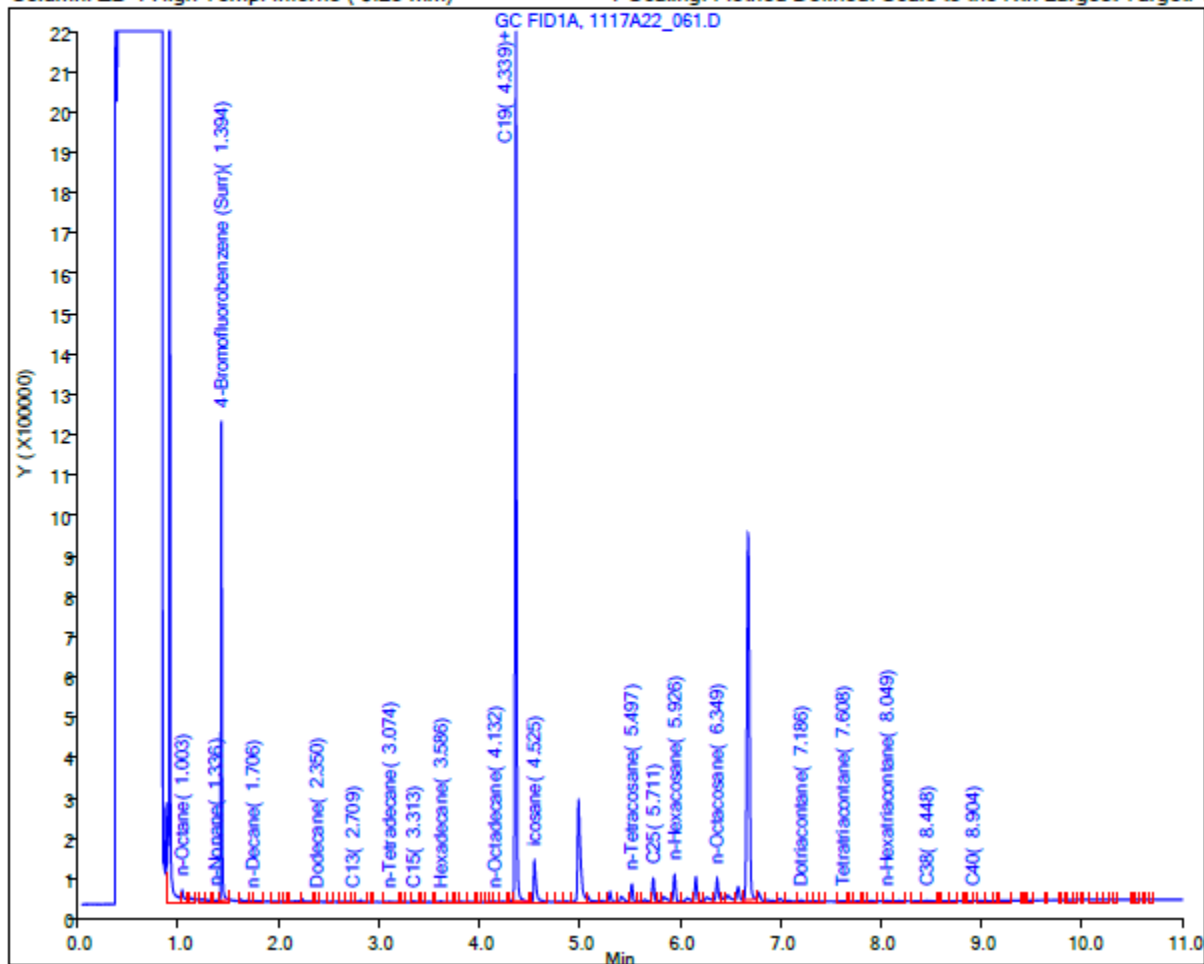
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2211WK3 Sample Date: 11/20/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <300 UJ

Report Date: 01-Dec-2022 15:42:29

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221130-86038.b\1130a22_031.D

Injection Date: 01-Dec-2022 07:10:30

Instrument ID: TAC020

Lims ID: 580-120304-N-10-A

Lab Sample ID: 580-120304-10

Client ID: RHMW15-05-WGN01G-2211WK3

Operator ID: DH

ALS Bottle#: 31 Worklist Smp#: 51

Injection Vol: 1.0 ul

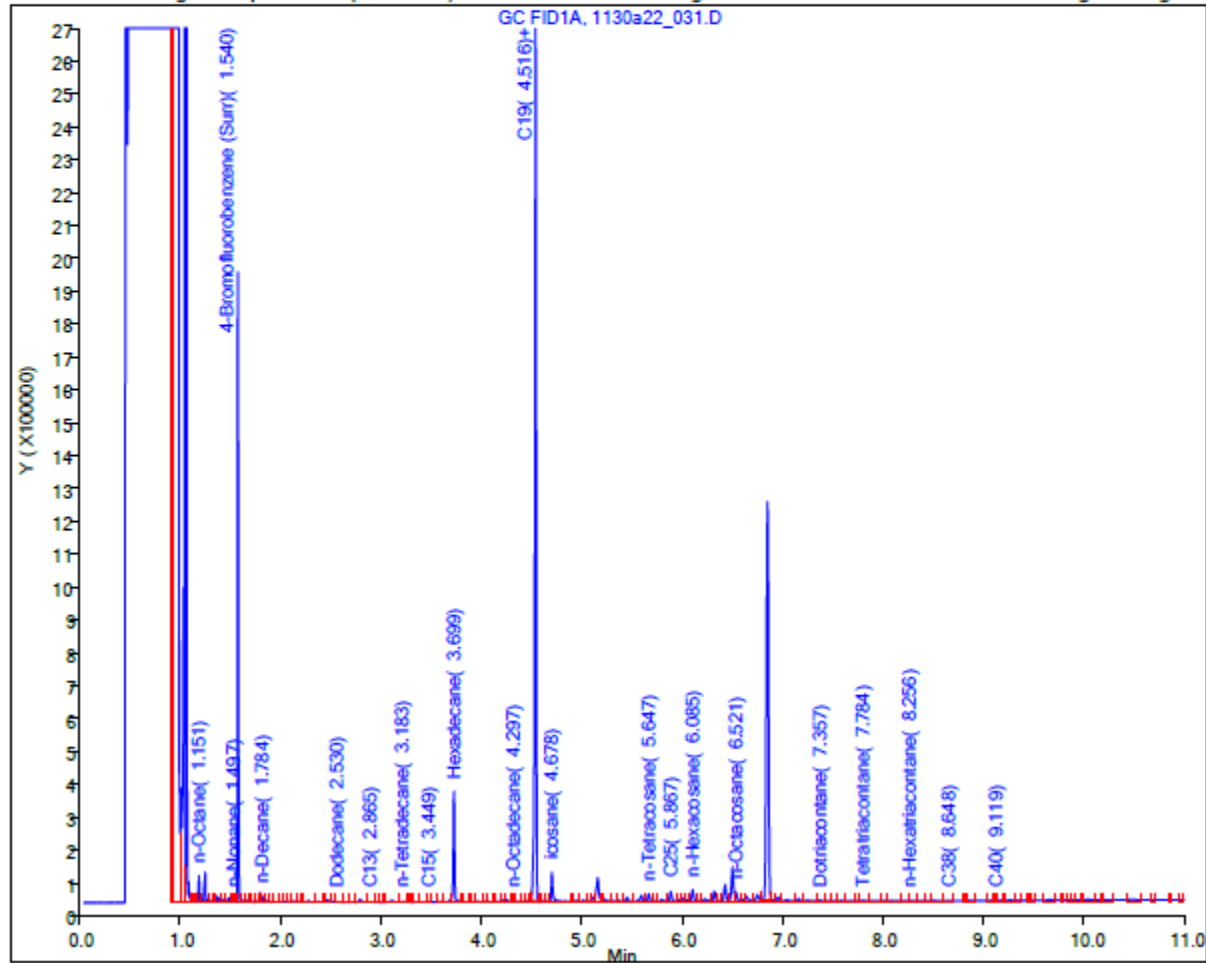
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 02-Dec-2022 14:19:04

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221201-86051.b\120122_024.D

Injection Date: 02-Dec-2022 00:00:30

Instrument ID: TAC020

Lims ID: 580-120304-O-10-C

Lab Sample ID: 580-120304-10

Client ID: RHMW15-05-WGN01G-2211WK3

Operator ID: DH

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

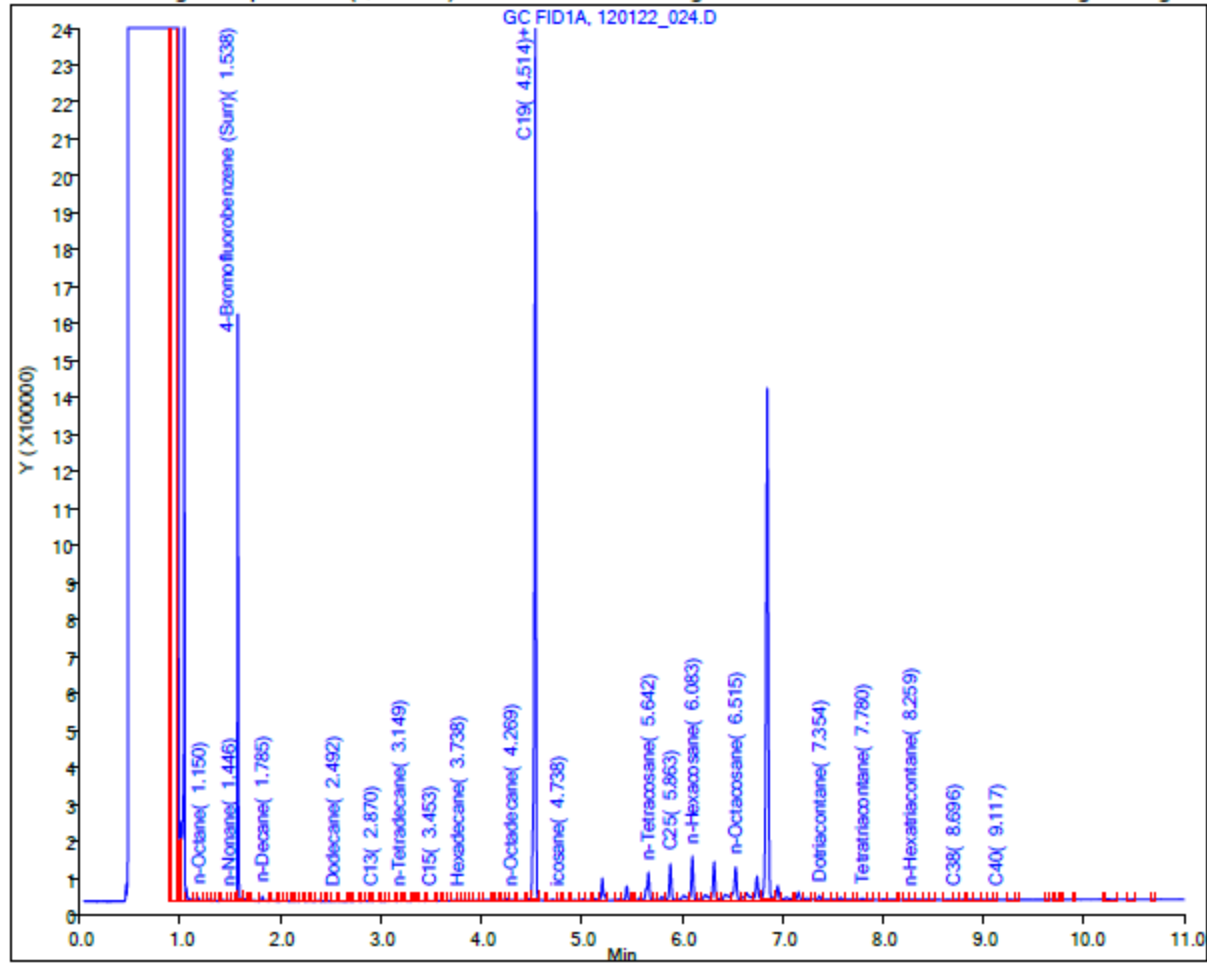
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2212WK3 Sample Date: 12/19/2022

Lab: Eurofins Seattle

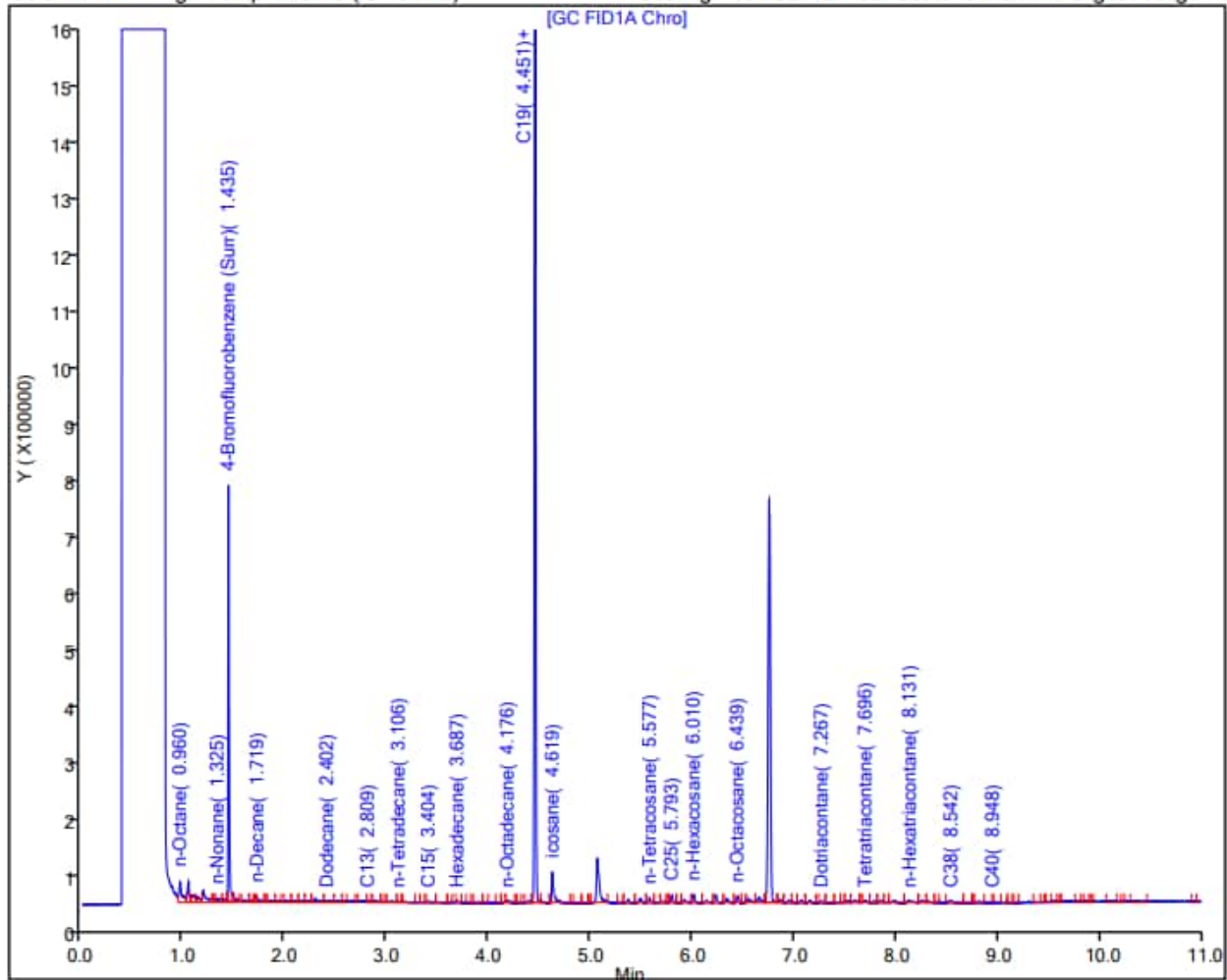
Results (ug/L): TPH-d (C10 to C24) 69 J

TPH-o (C24 to C40) <310 U

Report Date: 27-Dec-2022 12:36:48

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20221222-86386.b\12222022_030.D
Injection Date: 23-Dec-2022 01:56:26 Instrument ID: TAC020
Lims ID: 580-121415-N-6-A Lab Sample ID: 580-121415-6
Client ID: RHMW15-05-WGN01G-2212WK3
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 19-Jan-2023 08:25:29

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230118-86744.b\011823A061.D

Injection Date: 19-Jan-2023 03:19:28

Instrument ID: TAC129_R

Lims ID: 580-121415-N-6-B

Lab Sample ID: 580-121415-6

Client ID: RHMW15-05-WGN01G-2212WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 31

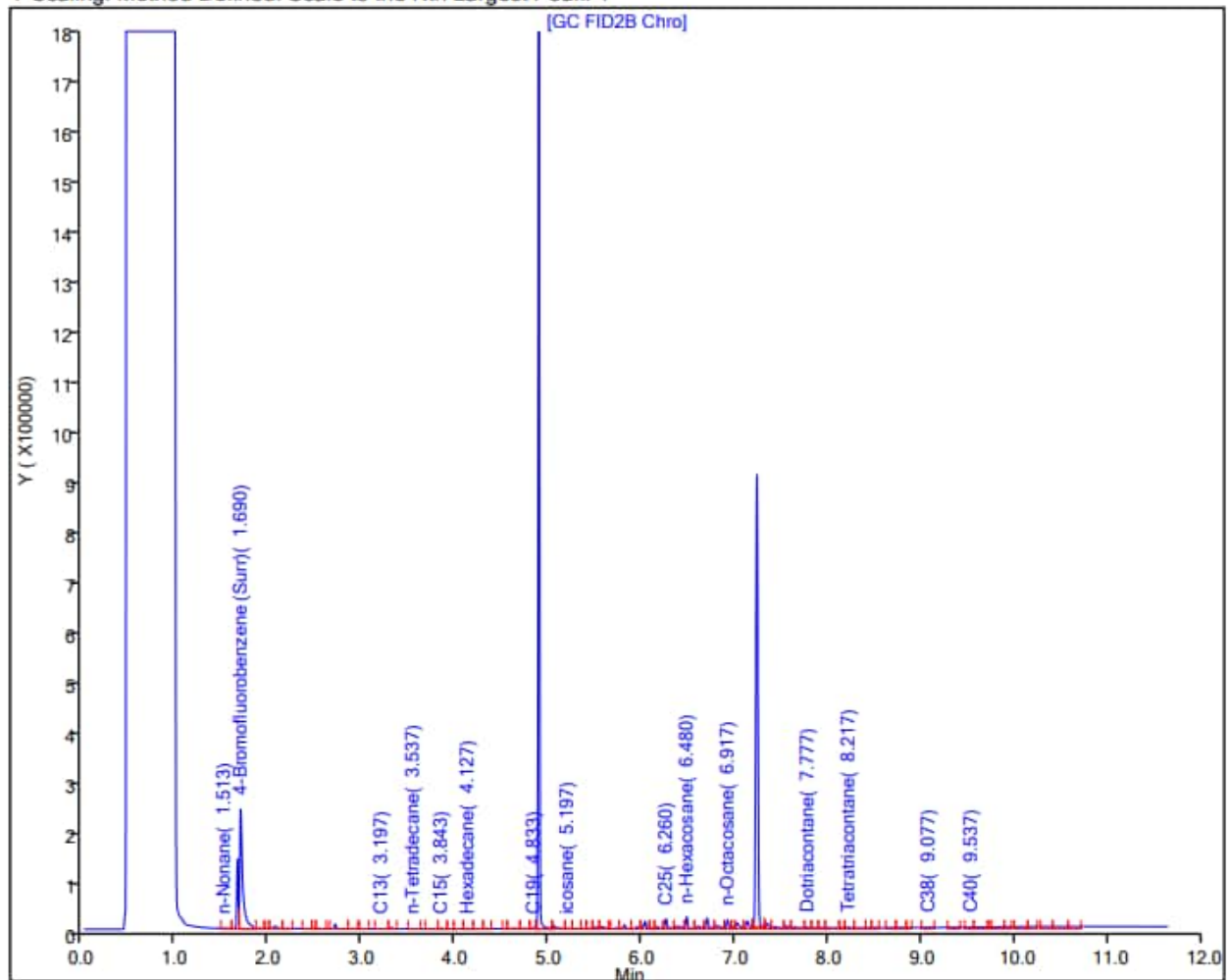
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2212WK4 Sample Date: 12/27/2022

Lab: Eurofins Seattle

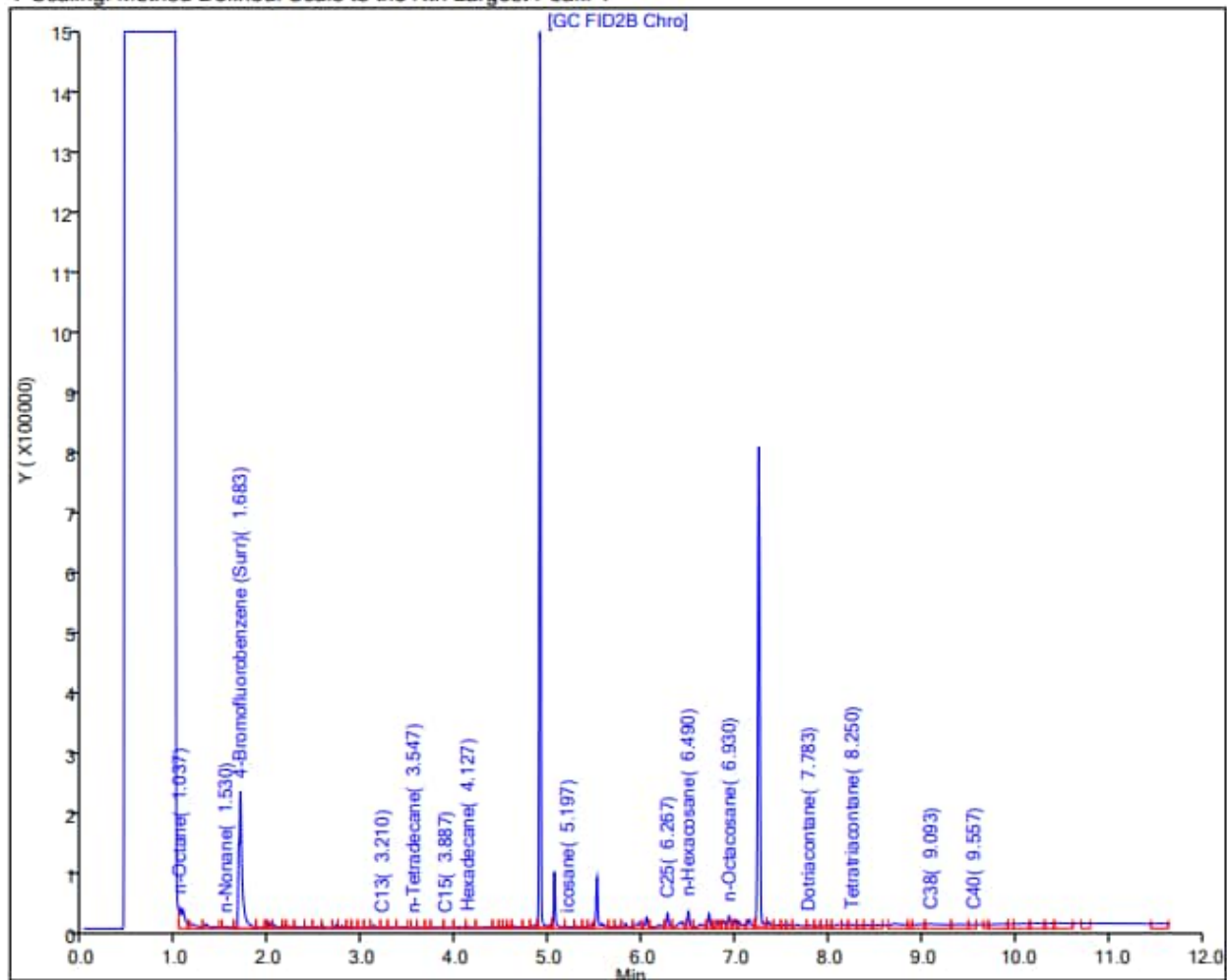
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 05-Jan-2023 22:00:53

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A025.D
Injection Date: 05-Jan-2023 19:00:42 Instrument ID: TAC129_R
Lims ID: 580-121666-E-3-A Lab Sample ID: 580-121666-3
Client ID: RHMW15-05-WGN01G-2212WK4
Operator ID: CC ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2301WK1 Sample Date: 1/3/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 13-Jan-2023 14:24:43

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\011223A065.D

Injection Date: 12-Jan-2023 21:59:03

Instrument ID: TAC129_R

Lims ID: 580-121791-N-10-A

Lab Sample ID: 580-121791-10

Client ID: RHMW15-05-WGN01G-2301WK1

Operator ID: kw/cc

ALS Bottle#: 0

Worklist Smp#: 28

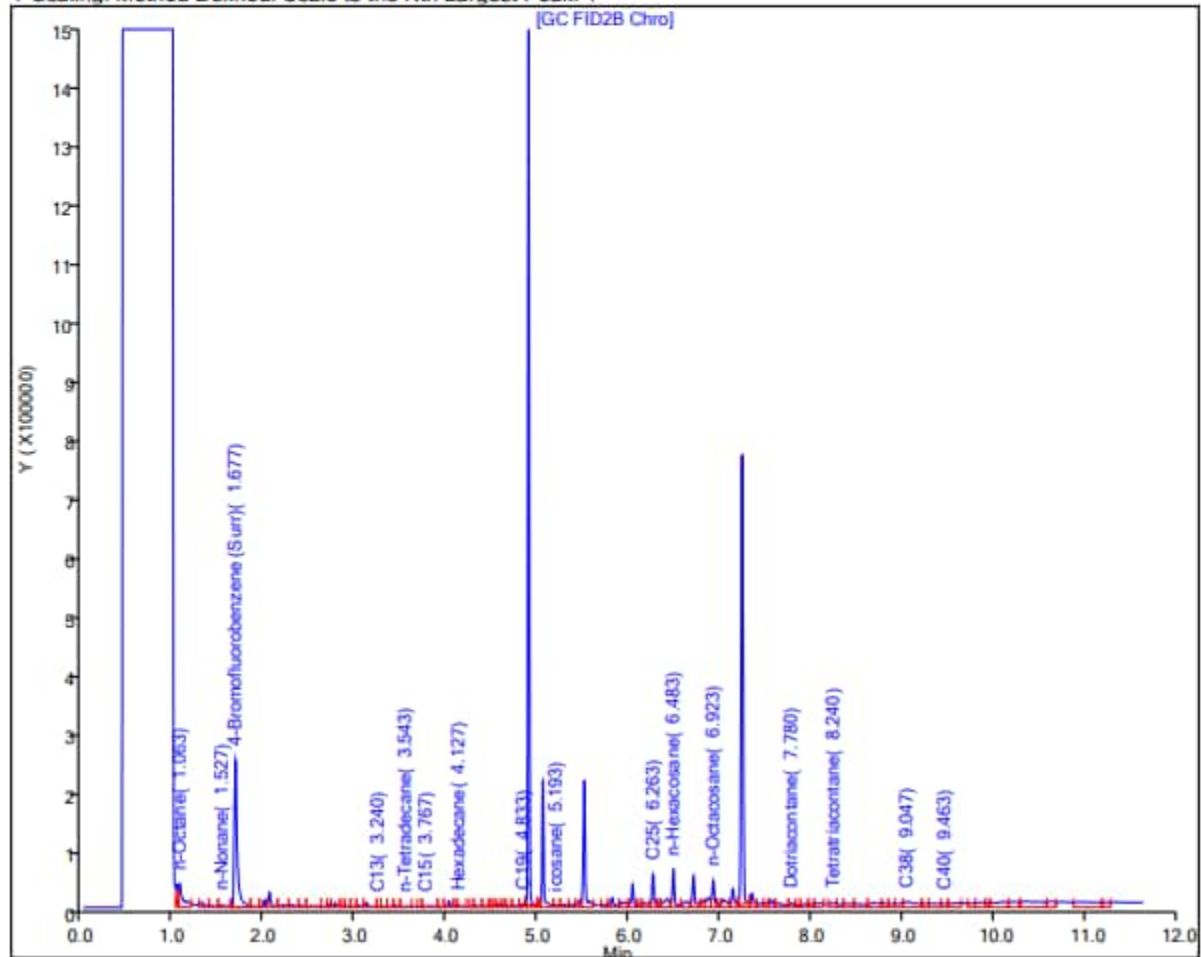
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2301WK2 Sample Date: 1/9/2023

Lab: Eurofins Seattle

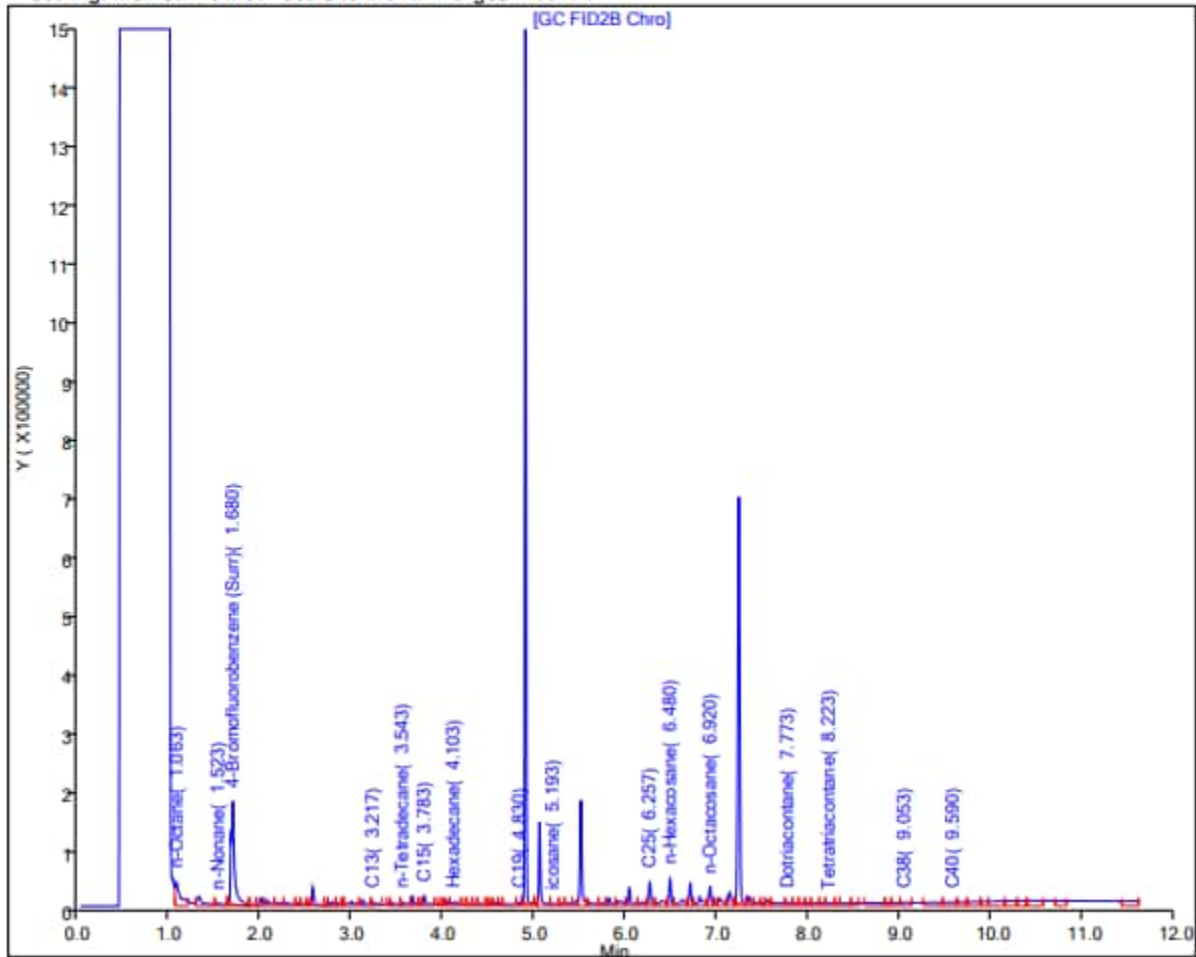
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 18-Jan-2023 09:37:19

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86698.b\011723A041.D
Injection Date: 17-Jan-2023 14:45:24 Instrument ID: TAC129_R
Lims ID: 580-122000-O-12-A Lab Sample ID: 580-122000-12
Client ID: RHMW15-05-WGN01G-2301WK2
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 uL/L Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2301WK3 Sample Date: 1/16/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 100

TPH-o (C24 to C40) <300 U

Report Date: 24-Jan-2023 08:32:27

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_066.D

Injection Date: 24-Jan-2023 07:56:32

Instrument ID: TAC020

Lims ID: 580-122282-N-11-A

Lab Sample ID: 580-122282-11

Client ID: RHMW15-05-WGN01G-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 66

Injection Vol: 1.0 ul

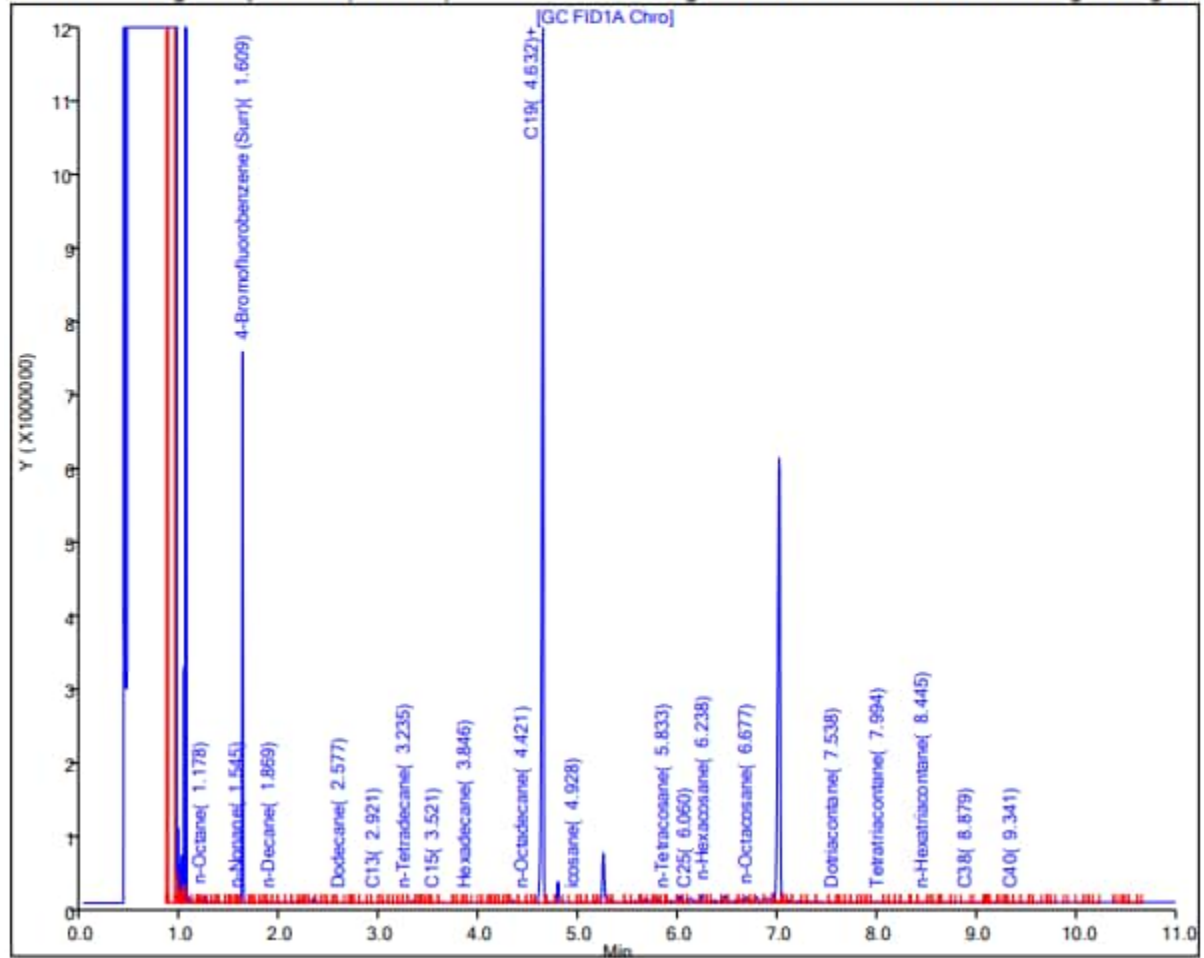
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 27-Jan-2023 10:15:22

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230126-86830.b\0126a23A036.D

Injection Date: 26-Jan-2023 19:45:32

Instrument ID: TAC129

Lims ID: 580-122282-O-11-A

Lab Sample ID: 580-122282-11

Client ID: RHMW15-05-WGN01G-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 18

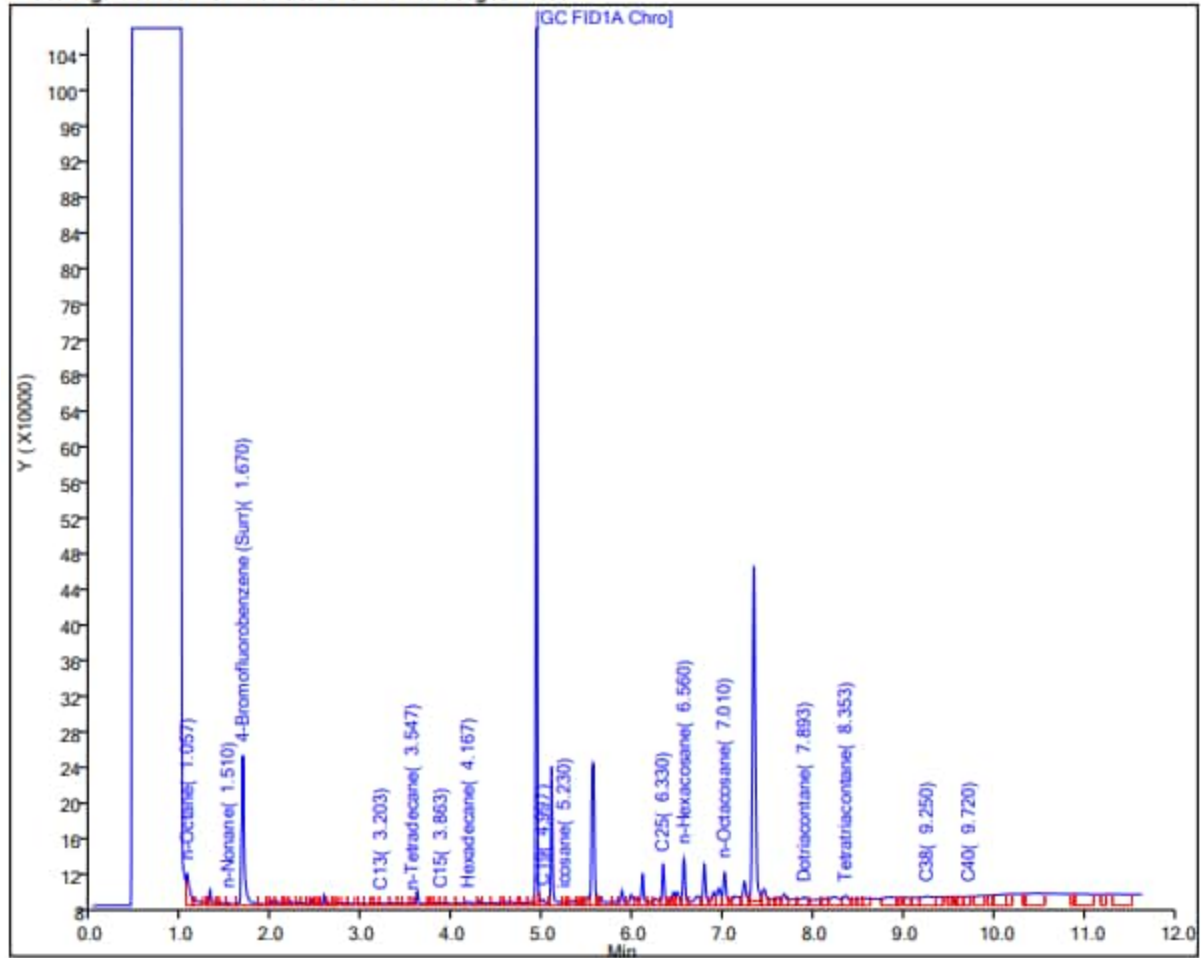
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2301WK4 Sample Date: 1/23/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 30-Jan-2023 09:43:05

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230127-86843.b\0127b23A018.D

Injection Date: 27-Jan-2023 19:19:52

Instrument ID: TAC129

Lims ID: 580-122588-O-5-A

Lab Sample ID: 580-122588-5

Client ID: RHMW15-05-WGN01G-2301WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 38

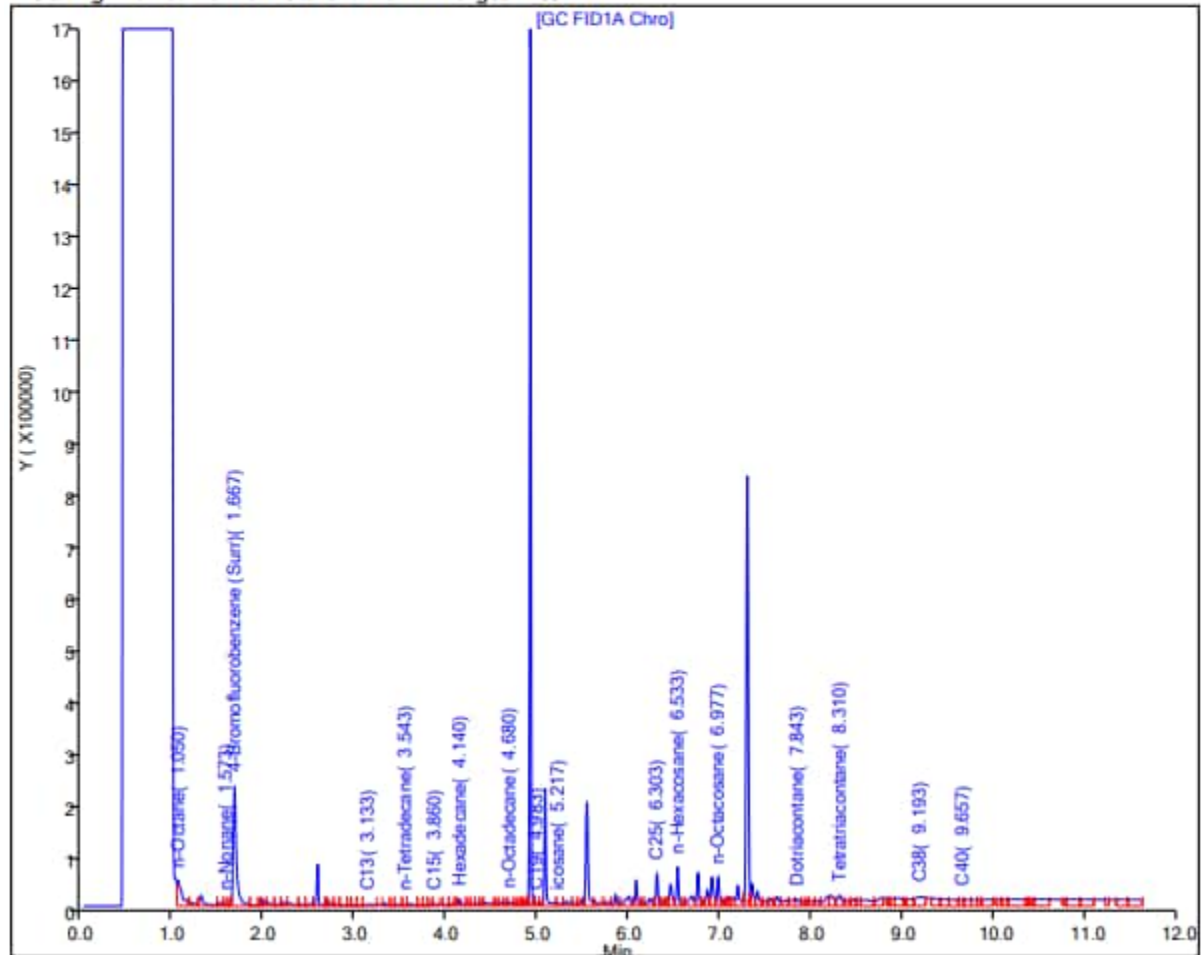
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2302WK2 Sample Date: 2/13/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 17-Feb-2023 08:24:23

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230216-87126.b\0216a23A055.D

Injection Date: 16-Feb-2023 22:58:20

Instrument ID: TAC129_R

Lims ID: 580-123477-O-1-A

Lab Sample ID: 580-123477-1

Client ID: RHMW15-05-WGN01G-2302WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 28

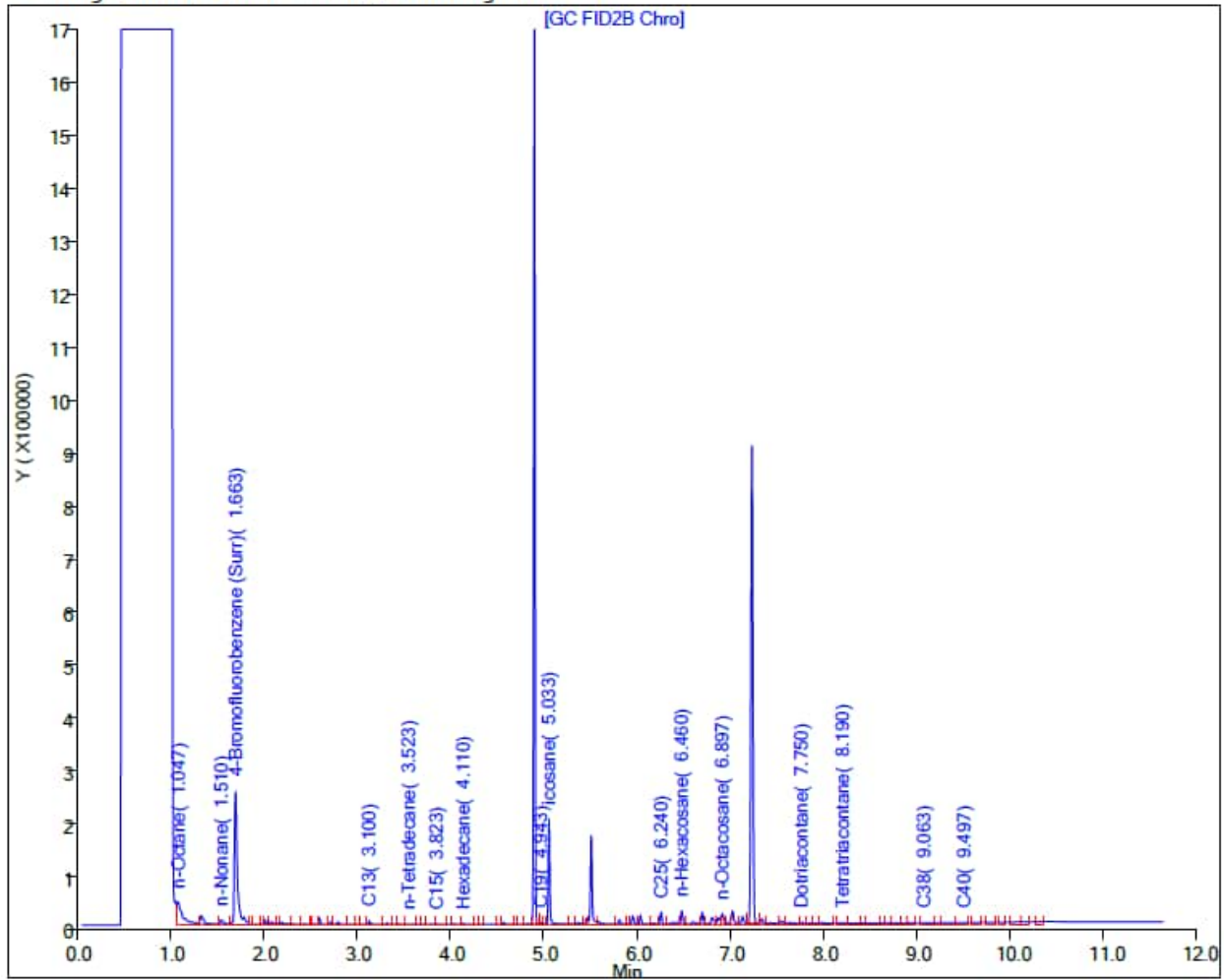
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2302WK3 Sample Date: 2/20/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 28-Feb-2023 10:02:31

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230227-87261.b\022723A068.D

Injection Date: 28-Feb-2023 04:04:26

Instrument ID: TAC129

Lims ID: 580-123852-N-1-A

Lab Sample ID: 580-123852-1

Client ID: RHMW15-05-WGN01G-2302WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 34

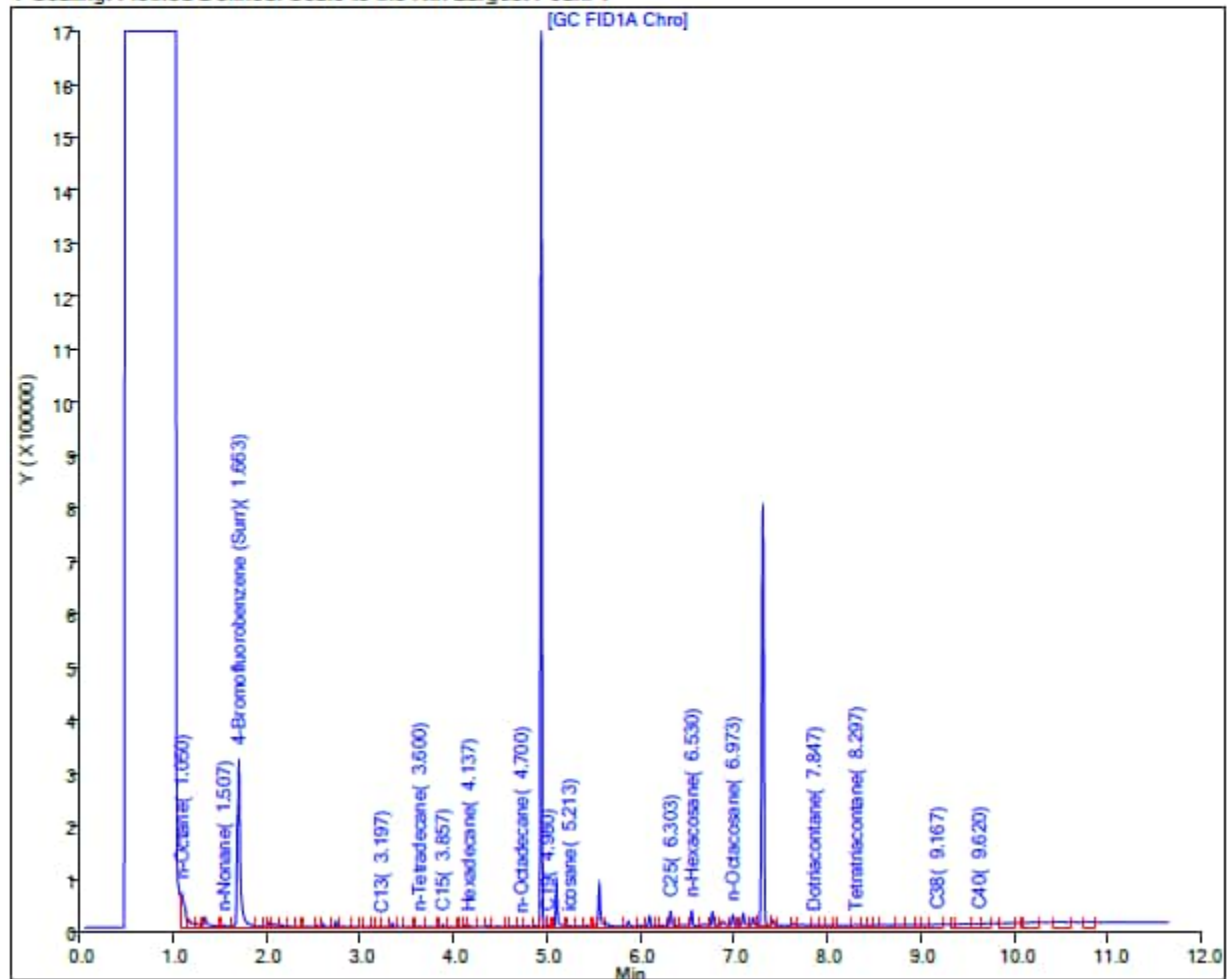
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW16 Sample ID: RHMW16-WGN02LF-2211WK1 Sample Date: 11/10/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 90 UJ

TPH-o (C24 to C40) <300 U

Report Date: 17-Nov-2022 11:55:14

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A053.D

Injection Date: 17-Nov-2022 06:07:03

Instrument ID: TAC129_R

Lims ID: 580-119967-O-3-A

Lab Sample ID: 580-119967-3

Client ID: RHMW16-WGN02LF-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 56

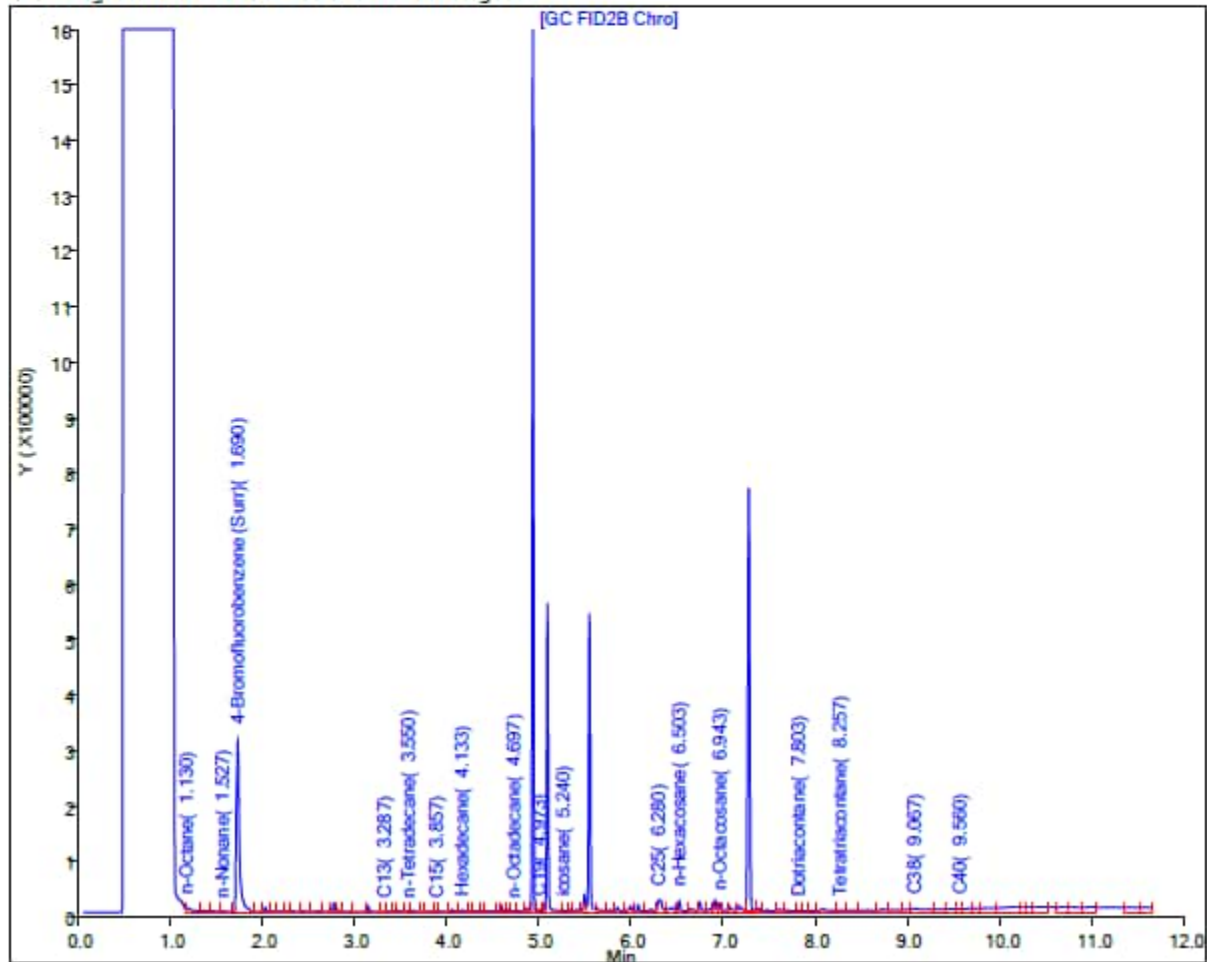
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 23-Nov-2022 21:07:37

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221123-85945.b\112322A029.D

Injection Date: 23-Nov-2022 18:55:40

Instrument ID: TAC129_R

Lims ID: 580-119967-O-3-B

Lab Sample ID: 580-119967-3

Client ID: RHMW16-WGN02LF-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 36

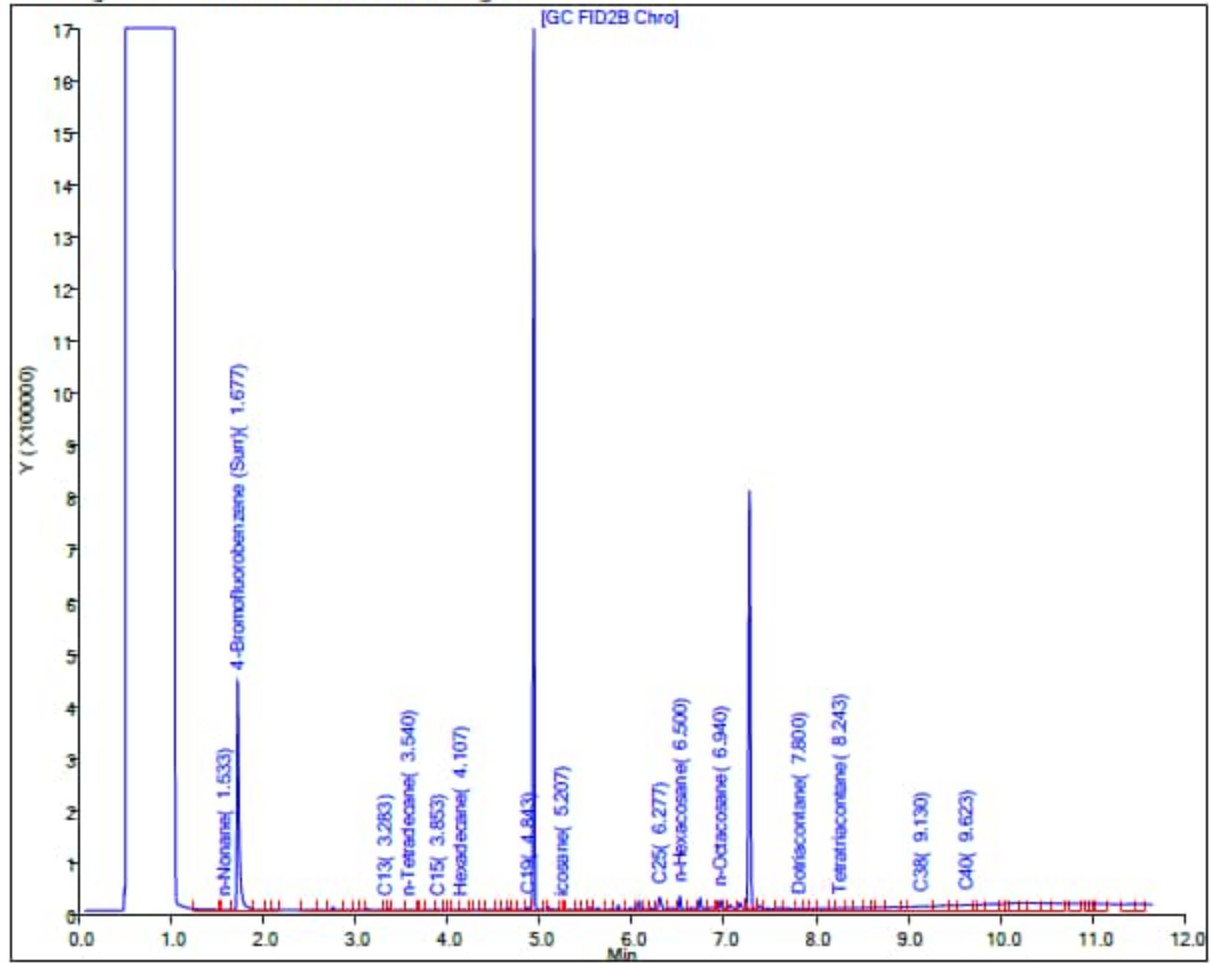
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW16 Sample ID: RHMW16-WGN01LF-2211WK2 Sample Date: 11/15/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 18-Nov-2022 20:35:53

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_062.D

Injection Date: 18-Nov-2022 16:06:30

Instrument ID: TAC020

Lims ID: 580-120073-N-11-A

Lab Sample ID: 580-120073-11

Client ID: RHMW16-WGN01LF-2211WK2

Operator ID: DH/CC

ALS Bottle#: 61 Worklist Smp#: 64

Injection Vol: 1.0 ul

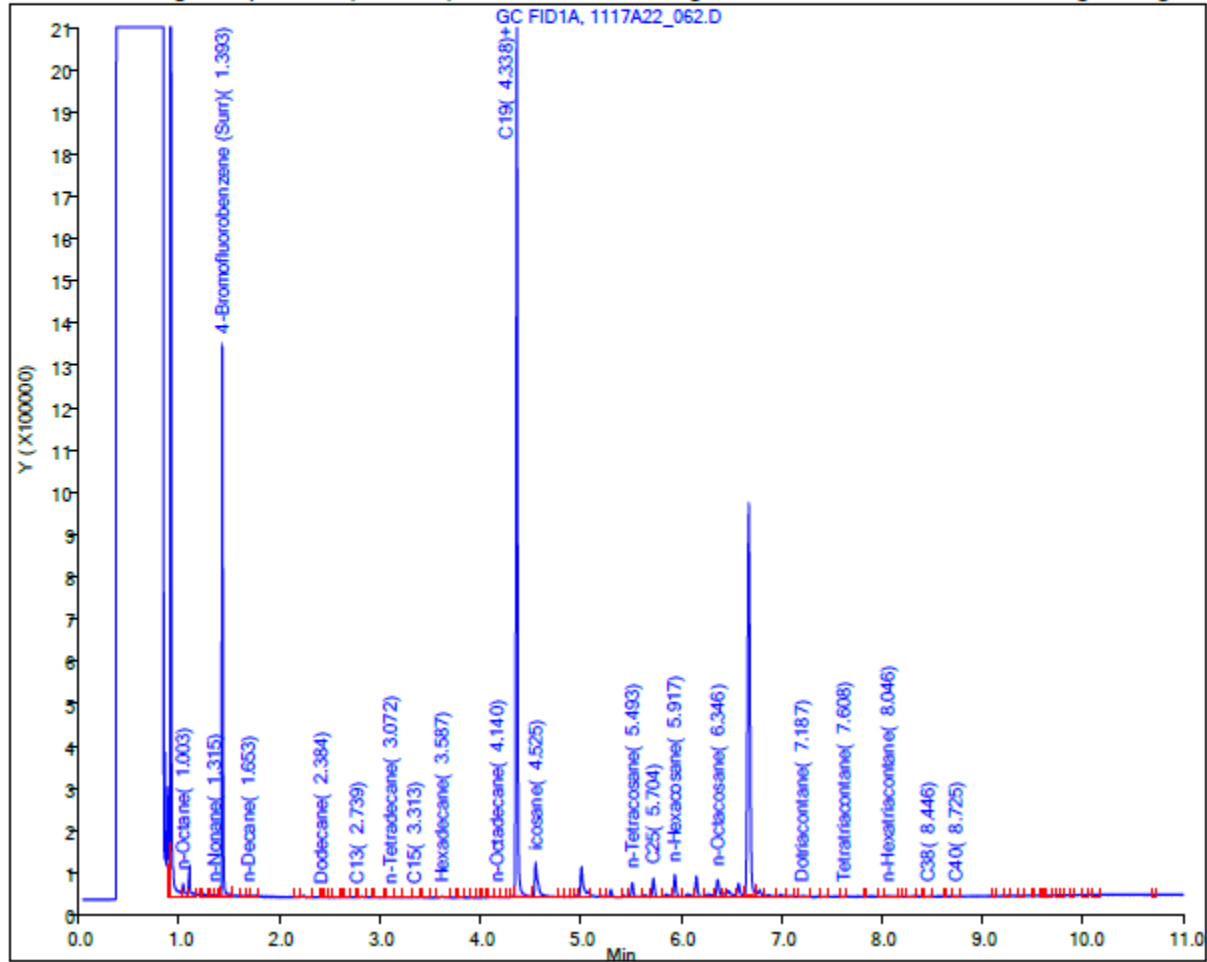
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW16 Sample ID: RHMW16-WGN02LF-2211WK2 Sample Date: 11/17/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 23-Nov-2022 12:55:25

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221122-85931.b\1122ab22A068.D

Injection Date: 23-Nov-2022 02:56:51

Instrument ID: TAC129

Lims ID: 580-120199-O-15-A

Lab Sample ID: 580-120199-15

Client ID: RHMW16-WGN02LF-2211WK2

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 59

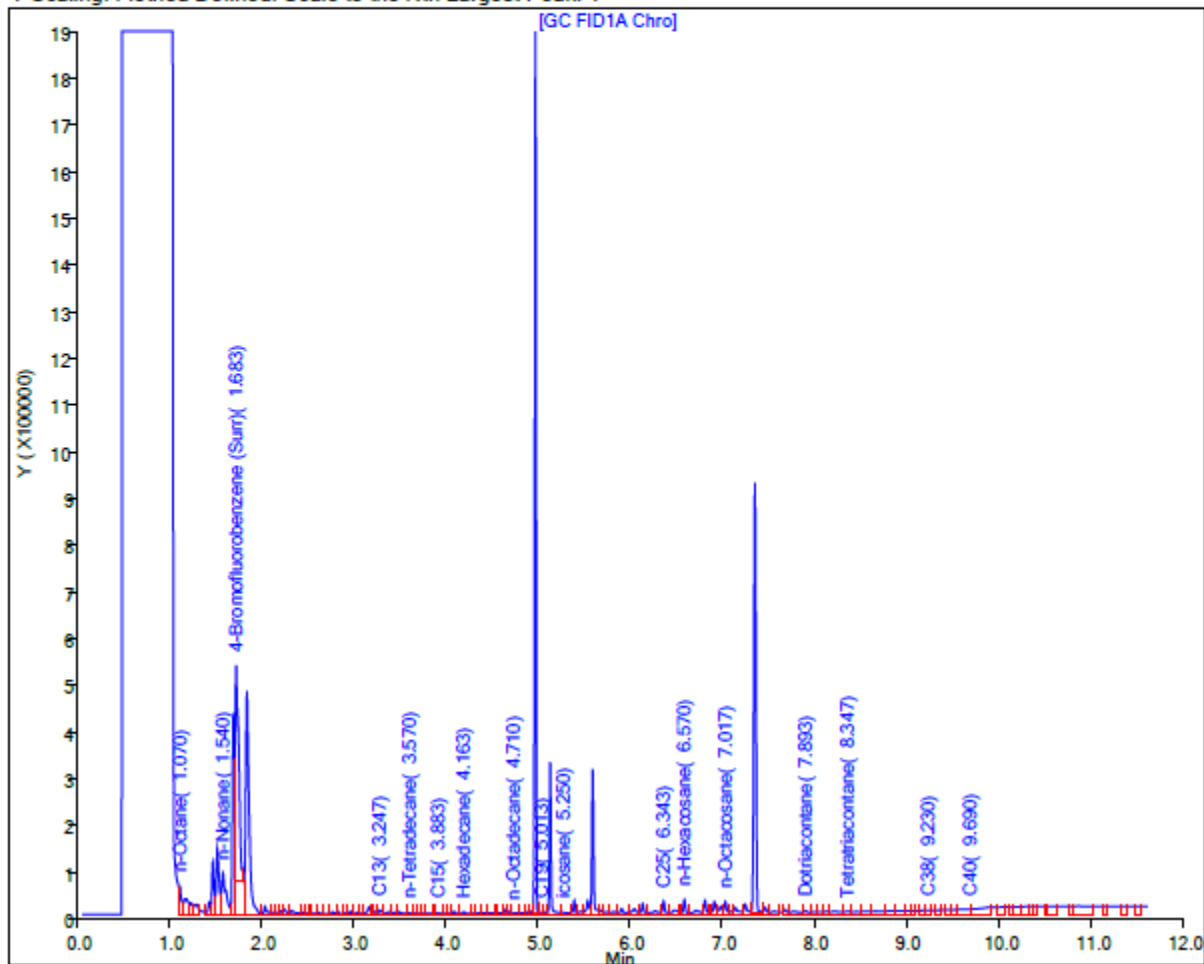
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW16 Sample ID: RHMW16-WGN01LF-2211WK4 Sample Date: 11/29/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 05-Dec-2022 14:24:47

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A021.D

Injection Date: 03-Dec-2022 21:11:53

Instrument ID: TAC129_R

Lims ID: 580-120540-N-9-A

Lab Sample ID: 580-120540-9

Client ID: RHMW16-WGN01LF-2211WK4

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 11

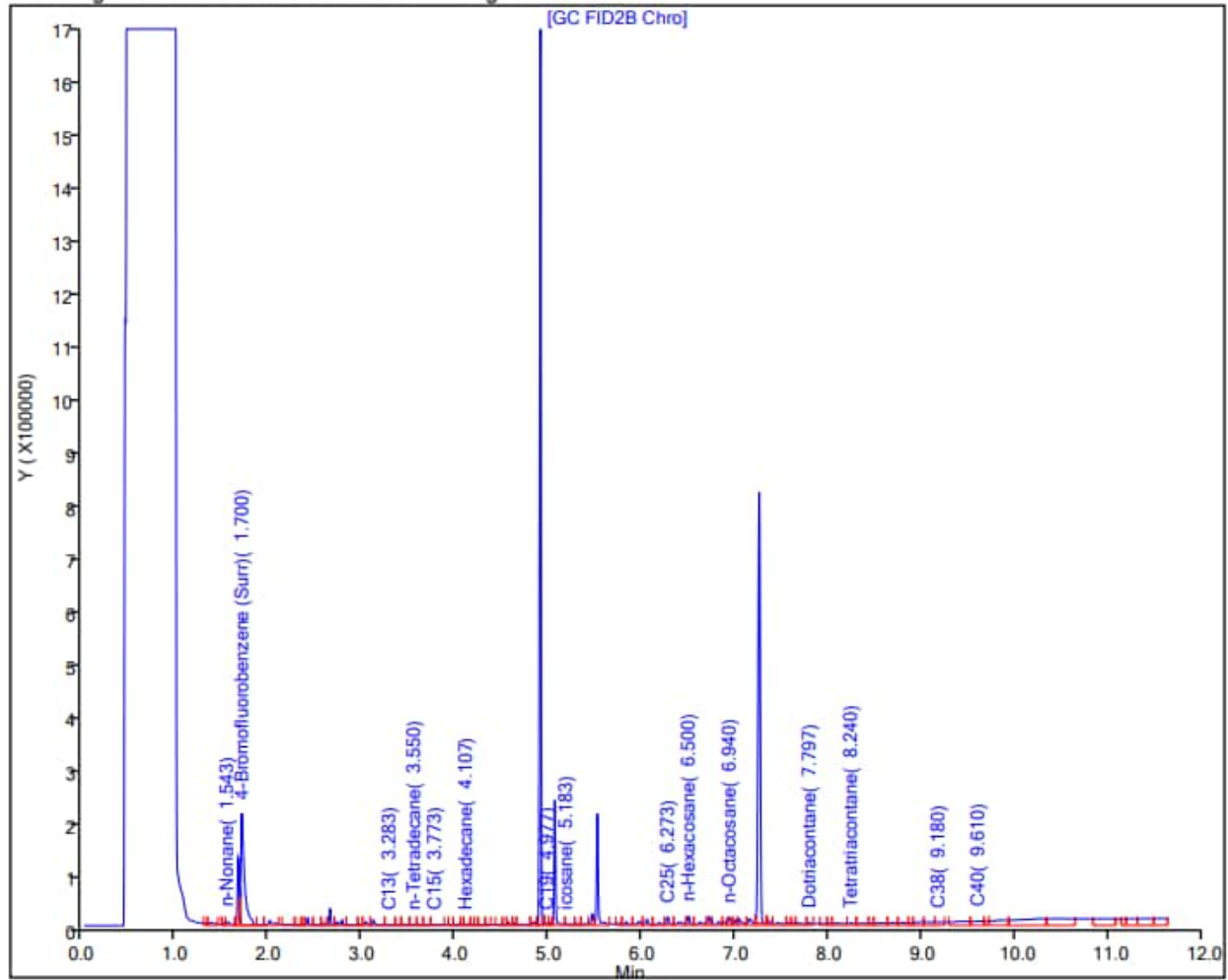
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW16 Sample ID: RHMW16-WGN01LF-2212WK2 Sample Date: 12/16/2022

Lab: Energy

Results (ug/L): TPH-d (C10 to C24) <100 U

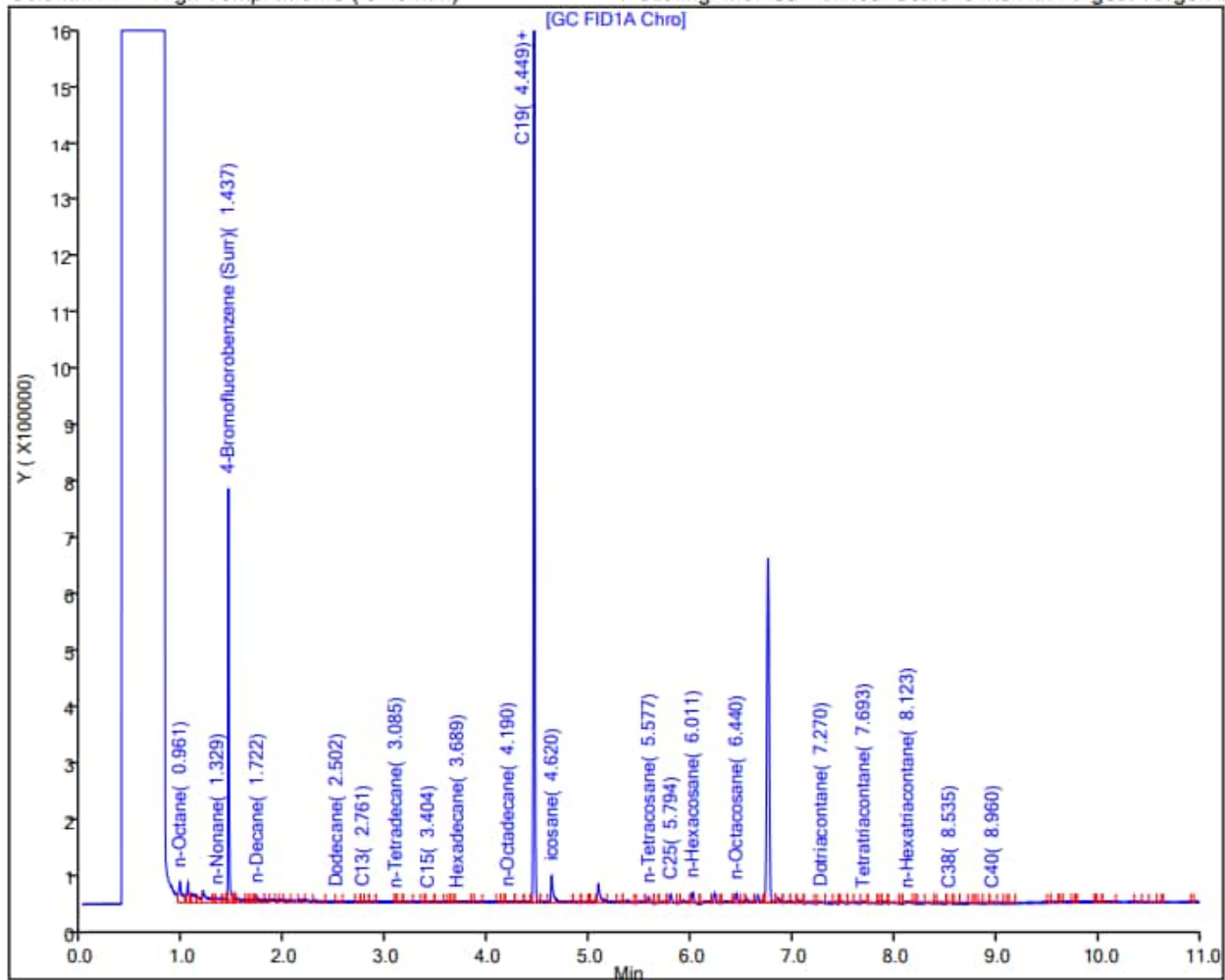
TPH-o (C24 to C40) <300 U

Report Date: 27-Dec-2022 12:36:18

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC020\20221222-86386.b\12222022_025.D		
Injection Date:	23-Dec-2022 00:15:44	Instrument ID:	TAC020
Lims ID:	580-121420-O-5-A	Lab Sample ID:	580-121420-5
Client ID:	RHMW16-WGN01LF-2212WK2		
Operator ID:	DH	ALS Bottle#:	0 Worklist Smp#: 37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	TPH-Front_TAC020	Limit Group:	8015B-D DRO ICAL CA and HW ranges
Column:	ZB-1 High Temp. Inferno (0.25 mm)	Y Scaling:	Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW16 Sample ID: RHMW16-WGN01LF-2212WK3 Sample Date: 12/20/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 28-Dec-2022 14:48:03

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221227-86414.b\1227a22A048.D

Injection Date: 28-Dec-2022 02:22:45

Instrument ID: TAC129

Lims ID: 580-121471-N-1-A

Lab Sample ID: 580-121471-1

Client ID: RHMW16-WGN01LF-2212WK3

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 40

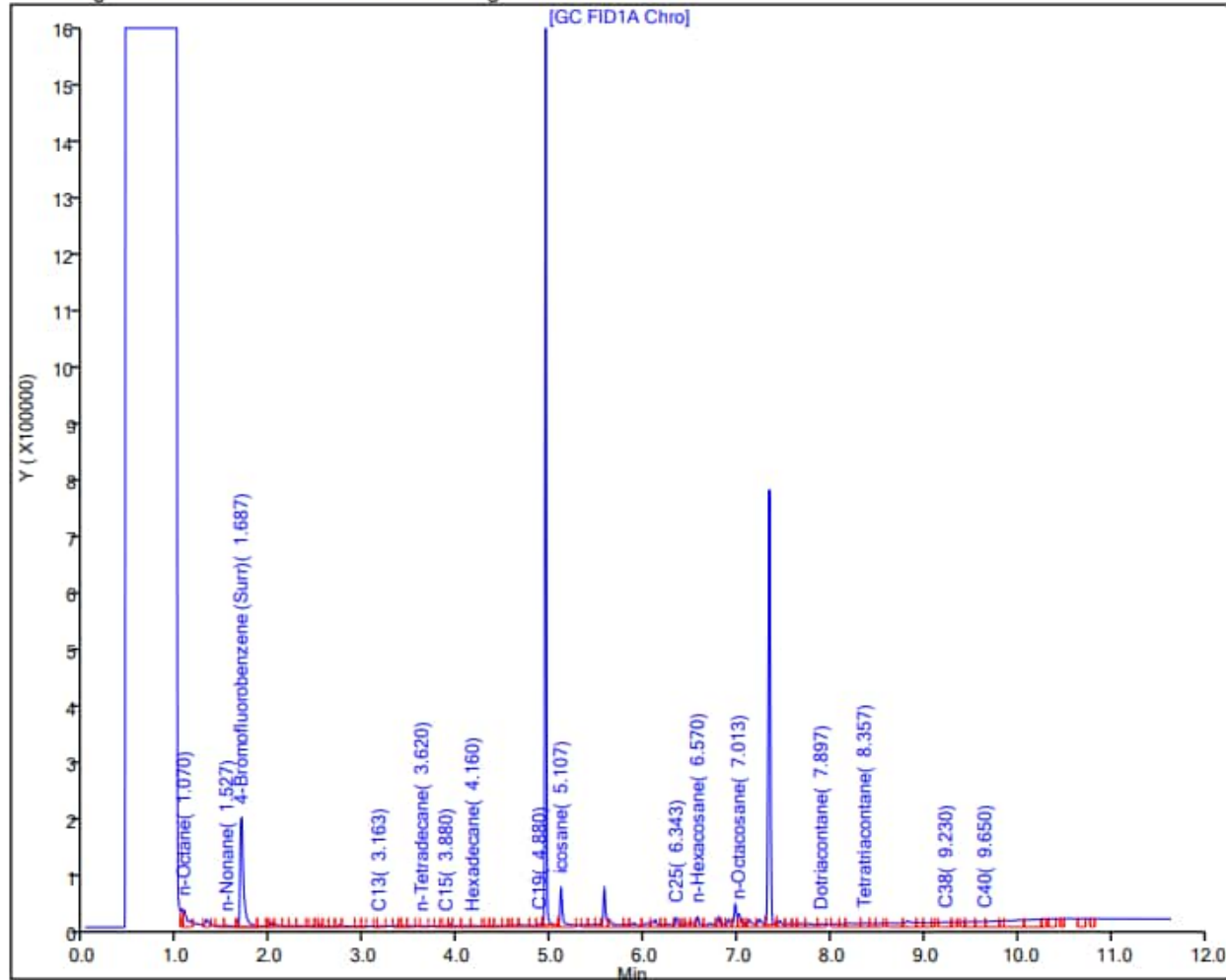
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW16 Sample ID: RHMW16-WGN01LF-2212WK4 Sample Date: 12/28/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

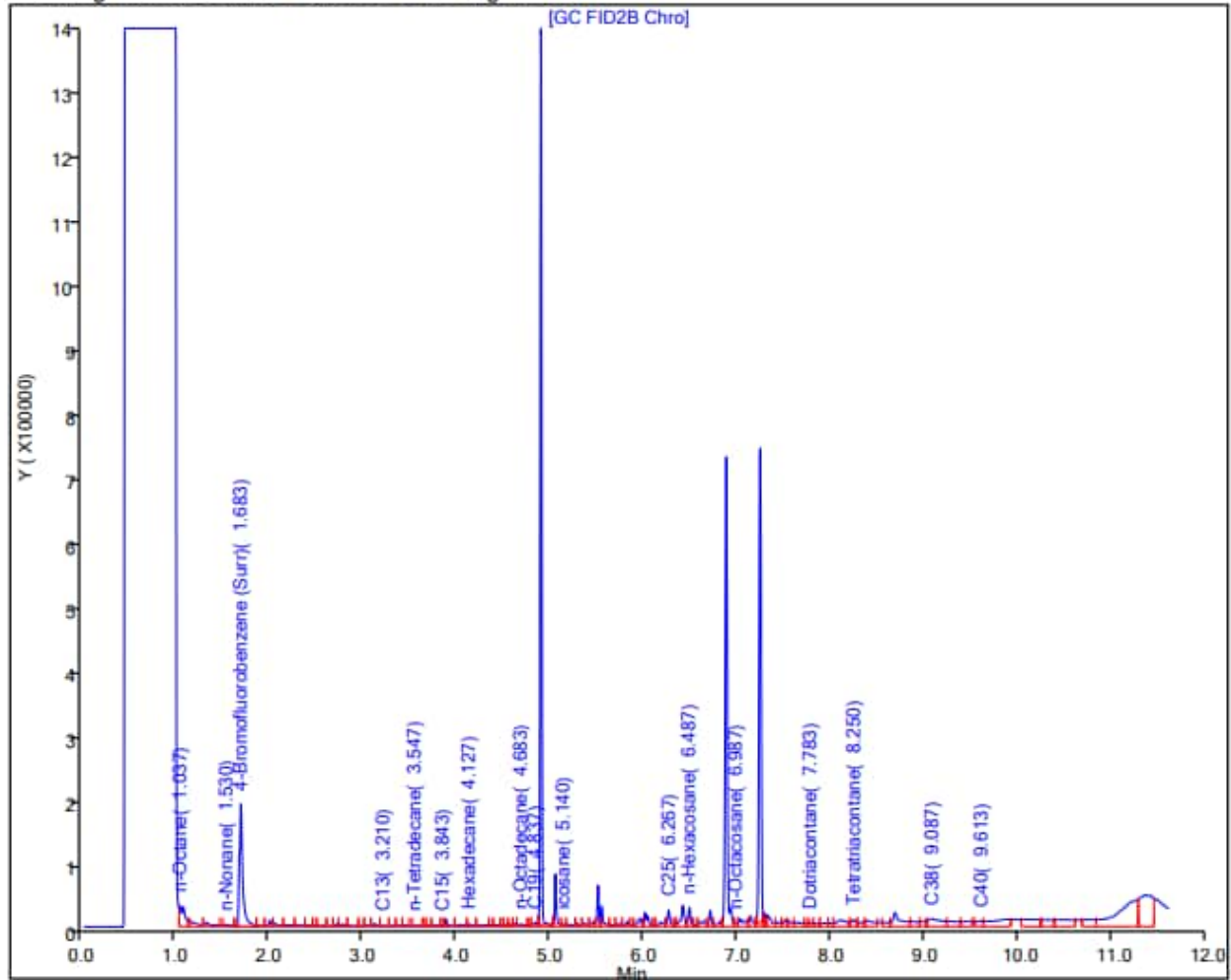
Report Date: 06-Jan-2023 14:13:11

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A045.D		
Injection Date:	05-Jan-2023 22:08:40	Instrument ID:	TAC129_R
Lims ID:	580-121703-F-17-A	Lab Sample ID:	580-121703-17
Client ID:	RHMW16-WGN01LF-2212WK4		
Operator ID:	CC	ALS Bottle#:	0 Worklist Smp#: 38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	TPH-TAC129Rear	Limit Group:	8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW16 Sample ID: RHMW16-WGN01LF-2301WK1 Sample Date: 1/4/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 72 J

TPH-o (C24 to C40) <310 U

Report Date: 13-Jan-2023 14:27:48

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\0112aa23A009.D

Injection Date: 13-Jan-2023 09:45:30

Instrument ID: TAC129_R

Lims ID: 580-121868-O-15-A

Lab Sample ID: 580-121868-15

Client ID: RHMW16-WGN01LF-2301WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 46

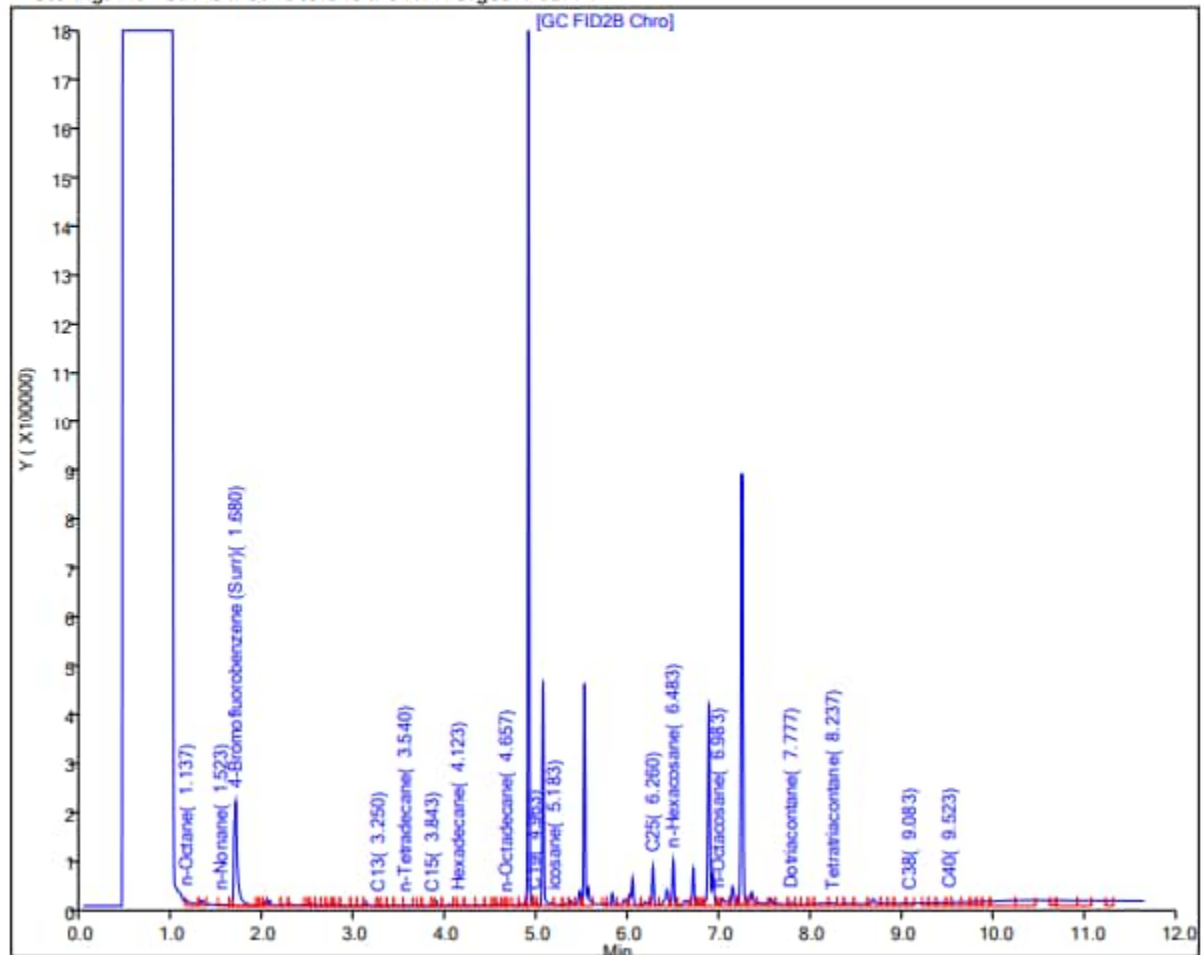
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 24-Jan-2023 08:27:30

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_026.D

Injection Date: 23-Jan-2023 18:29:04

Instrument ID: TAC020

Lims ID: 580-121868-O-15-B

Lab Sample ID: 580-121868-15

Client ID: RHMW16-WGN01LF-2301WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul

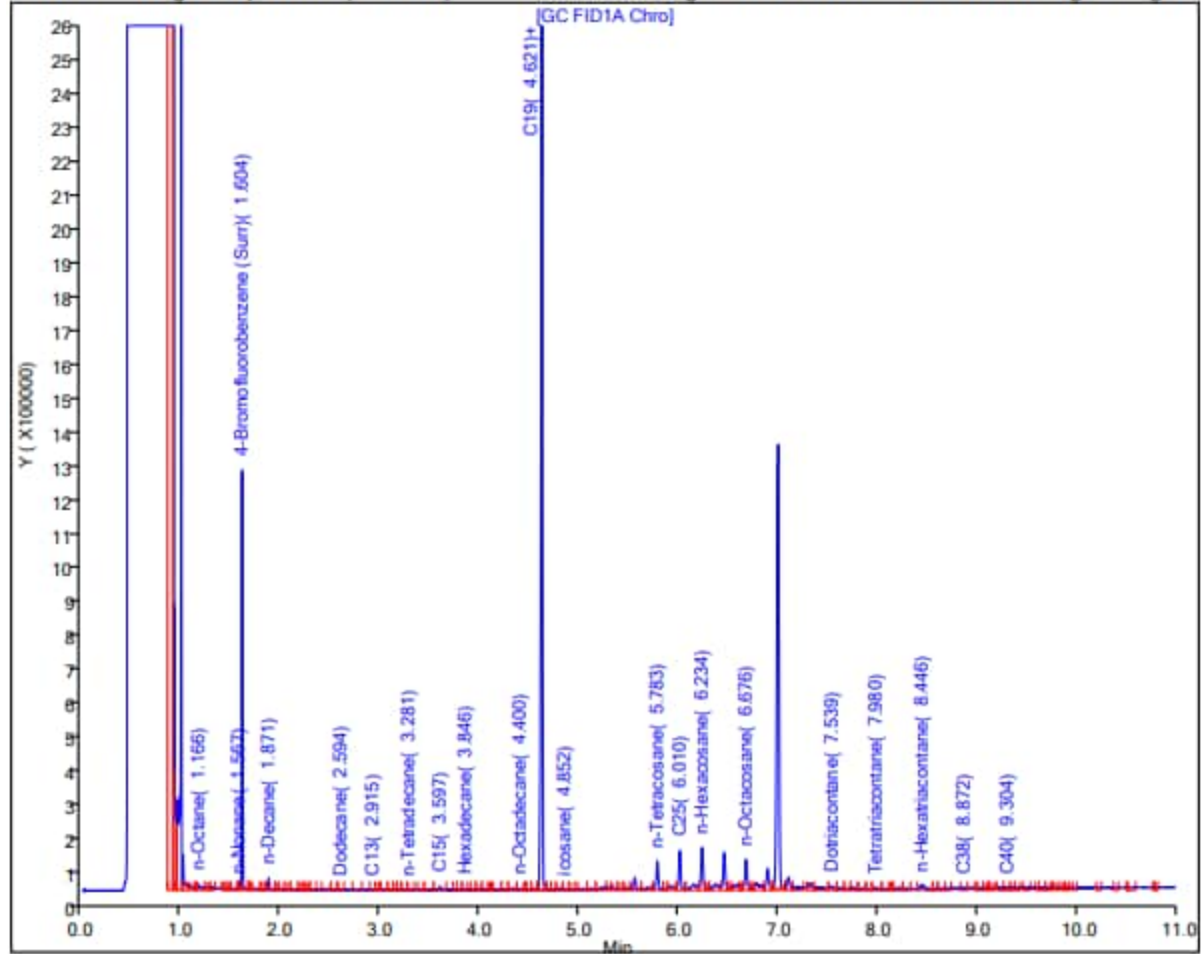
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW16 Sample ID: RHMW16-WGN01LF-2301WK2 Sample Date: 1/10/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

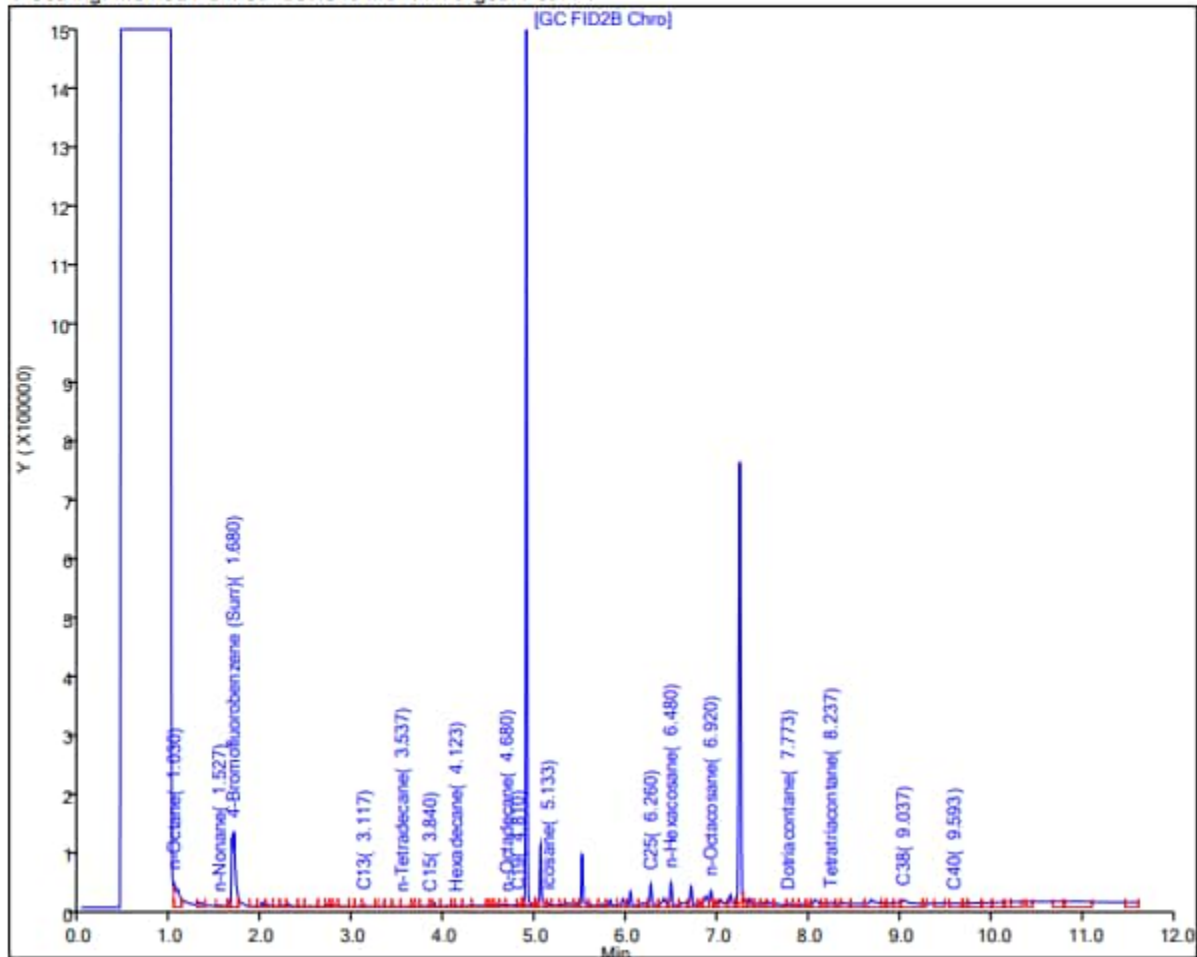
Report Date: 18-Jan-2023 09:33:30

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A037.D				
Injection Date:	18-Jan-2023 03:03:37	Instrument ID:	TAC129_R		
Lims ID:	580-122061-O-9-A	Lab Sample ID:	580-122061-9		
Client ID:	RHMW16-WGN01LF-2301WK2				
Operator ID:	KW	ALS Bottle#:	0	Worklist Smp#:	48
Injection Vol:	1.0 uL/L	Dil. Factor:	1.0000		
Method:	TPH-TAC129Rear	Limit Group:	8015B-D DRO ICAL CA and HW ranges		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW16 Sample ID: RHMW16-WGN01LF-2301WK3 Sample Date: 1/17/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 26-Jan-2023 12:15:08

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230125-86809.b\0125b23_053.D

Injection Date: 26-Jan-2023 09:02:54

Instrument ID: TAC020

Lims ID: 580-122420-N-5-A

Lab Sample ID: 580-122420-5

Client ID: RHMW16-WGN01LF-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 126

Injection Vol: 1.0 ul

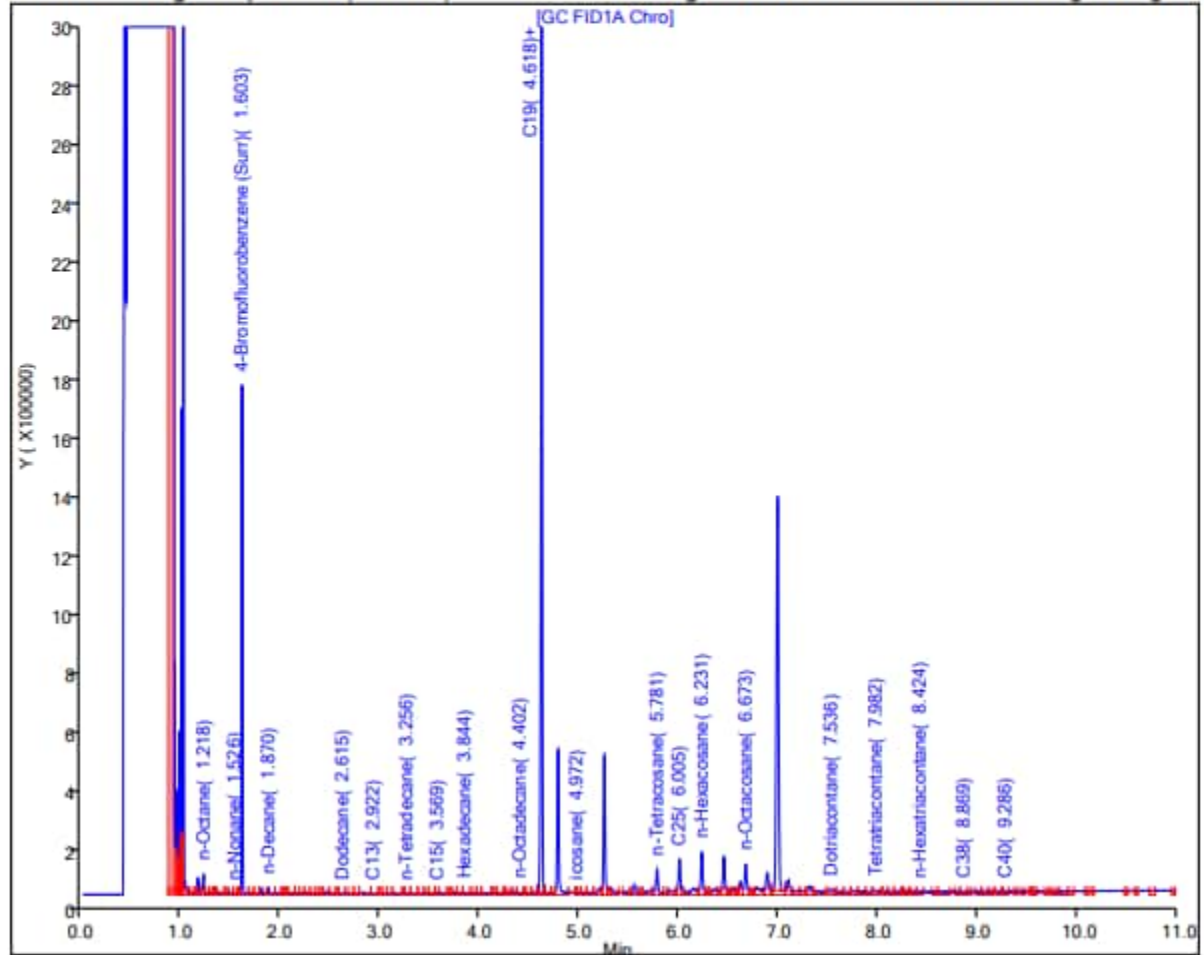
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW16 Sample ID: RHMW16-WGN01LF-2302WK2 Sample Date: 2/14/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 20-Feb-2023 09:46:19

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230217-87149.b\021723A033.D

Injection Date: 17-Feb-2023 18:40:02

Instrument ID: TAC129_R

Lims ID: 580-123563-O-1-A

Lab Sample ID: 580-123563-1

Client ID: RHMW16-WGN01LF-2302WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 12

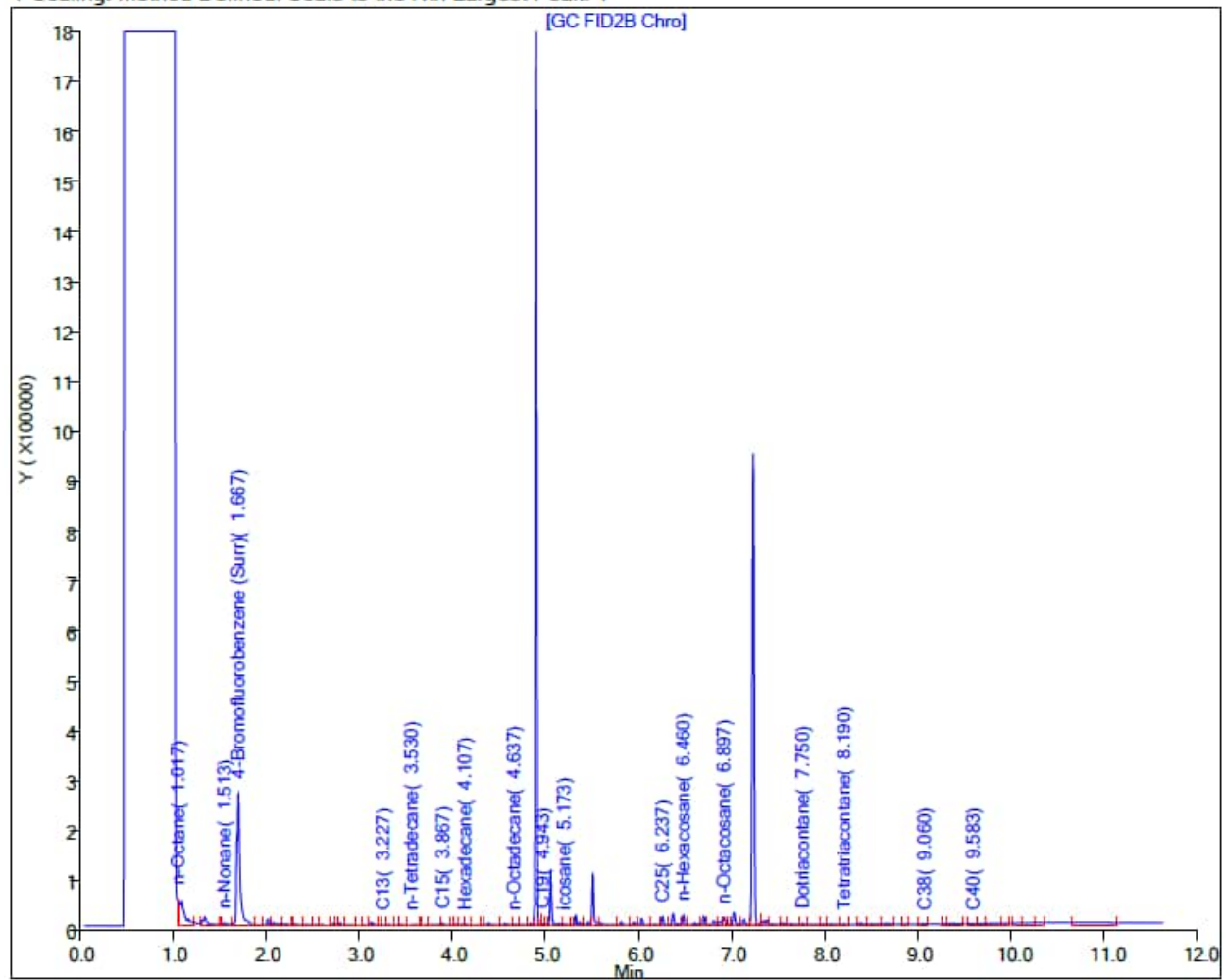
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW17 Sample ID: RHMW17-WGN01B-2211WK1 Sample Date: 11/8/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <110 U TPH-o (C24 to C40) <320 U

Report Date: 15-Nov-2022 19:15:46

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85802_b\1114aa22A025.D

Injection Date: 15-Nov-2022 02:24:34

Instrument ID: TAC129_R

Lims ID: 580-119865-O-10-A

Lab Sample ID: 580-119865-10

Client ID: RHMW17-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 13

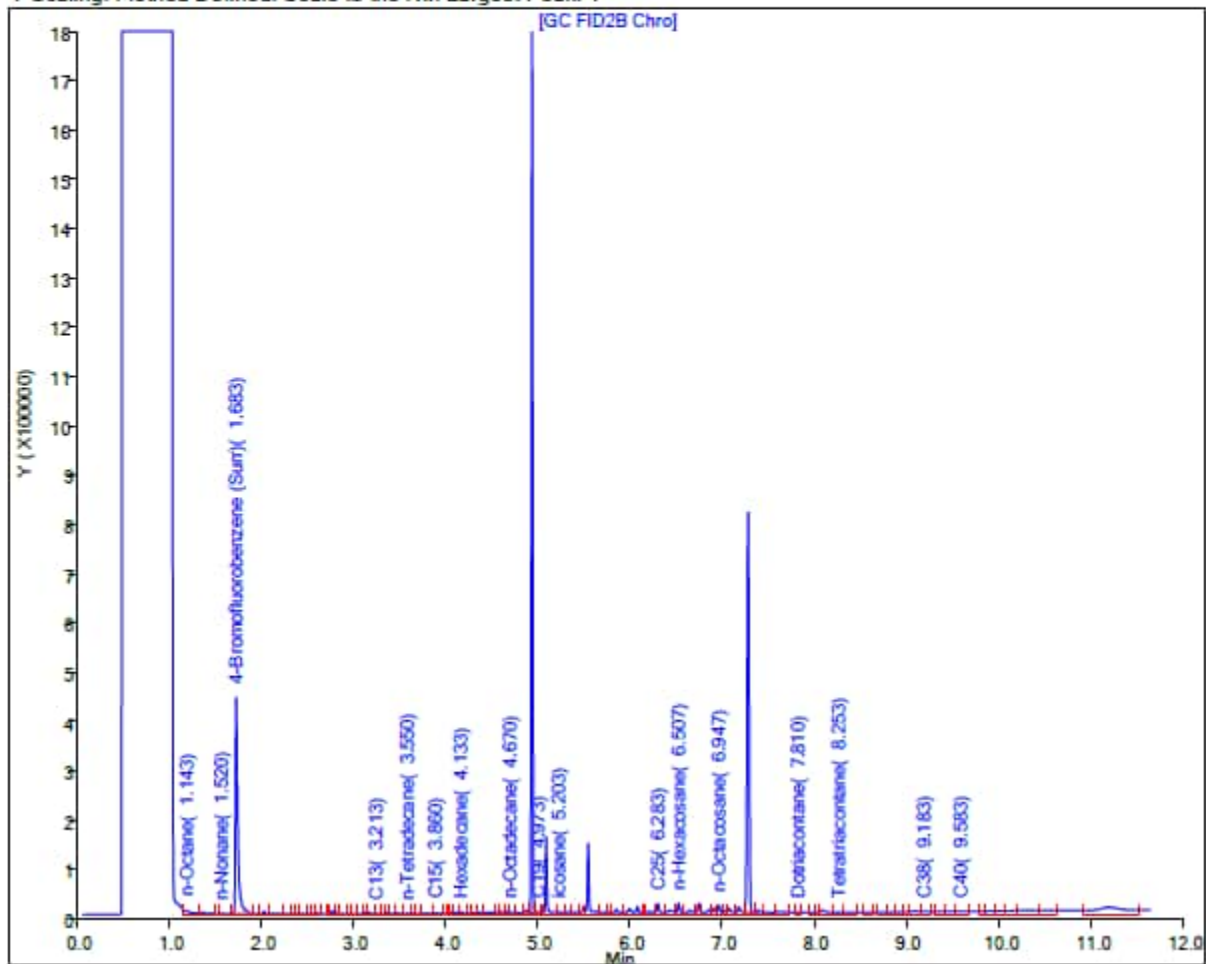
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW17 Sample ID: RHMW17-WGN02B-2211WK1 Sample Date: 11/10/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 17-Nov-2022 11:37:50

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221116-85833.b\1116z22A014.D

Injection Date: 16-Nov-2022 23:58:18

Instrument ID: TAC129

Lims ID: 580-119967-N-7-A

Lab Sample ID: 580-119967-7

Client ID: RHMW17-WGN02B-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 13

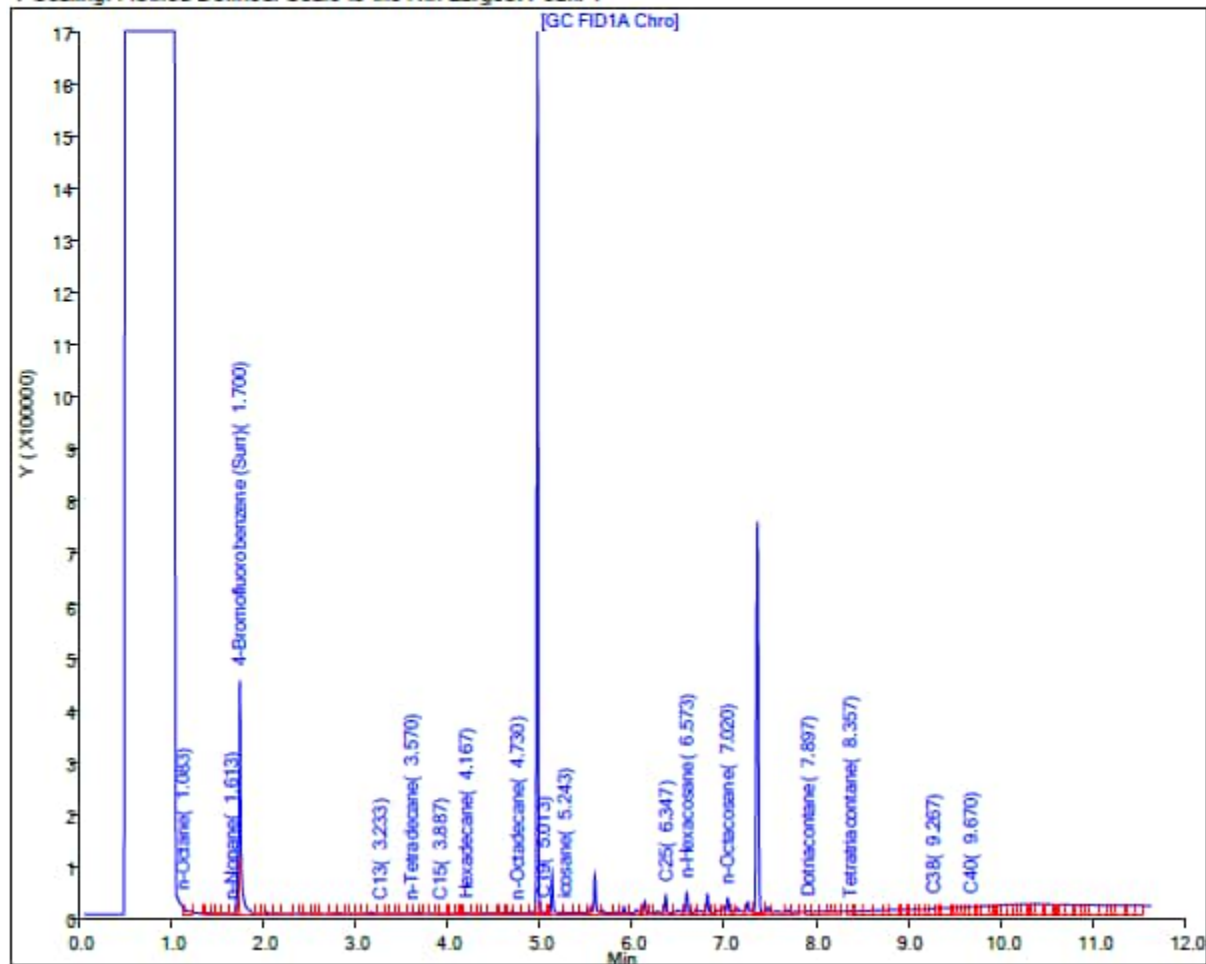
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW17 Sample ID: RHMW17-WGN01B-2211WK3 Sample Date: 11/20/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

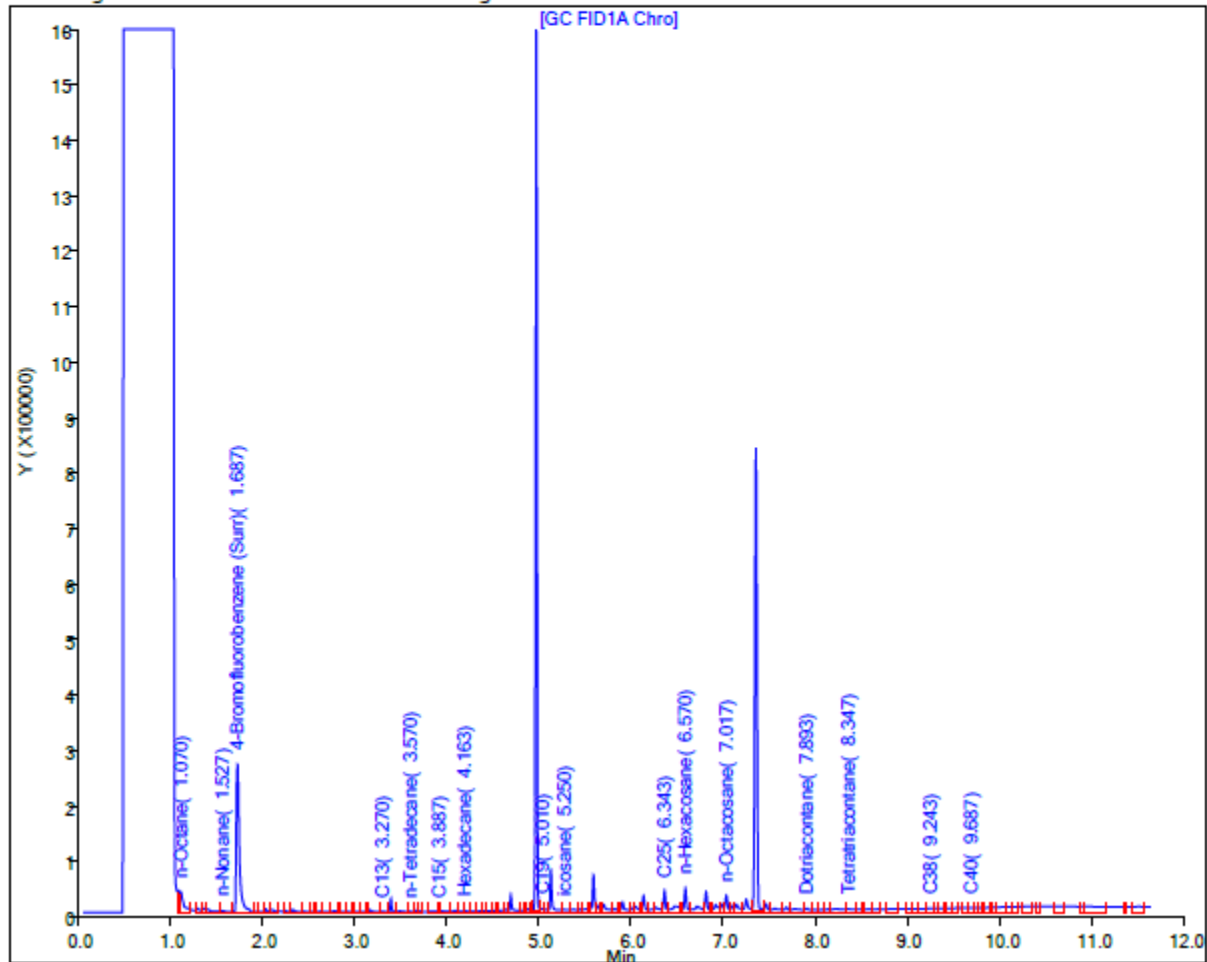
Report Date: 29-Nov-2022 13:13:14

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC129\20221128-85982.b\1128AA22A044.D		
Injection Date:	28-Nov-2022 22:42:02	Instrument ID:	TAC129
Lims ID:	580-120327-O-9-B	Lab Sample ID:	580-120327-9
Client ID:	RHMW17-WGN01B-2211WK3		
Operator ID:	DH	ALS Bottle#:	0 Worklist Smp#: 22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	TPH-TAC129Front	Limit Group:	8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW17 Sample ID: RHMW17-WGN01B-2211WK4 Sample Date: 11/30/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) R

TPH-o (C24 to C40) R

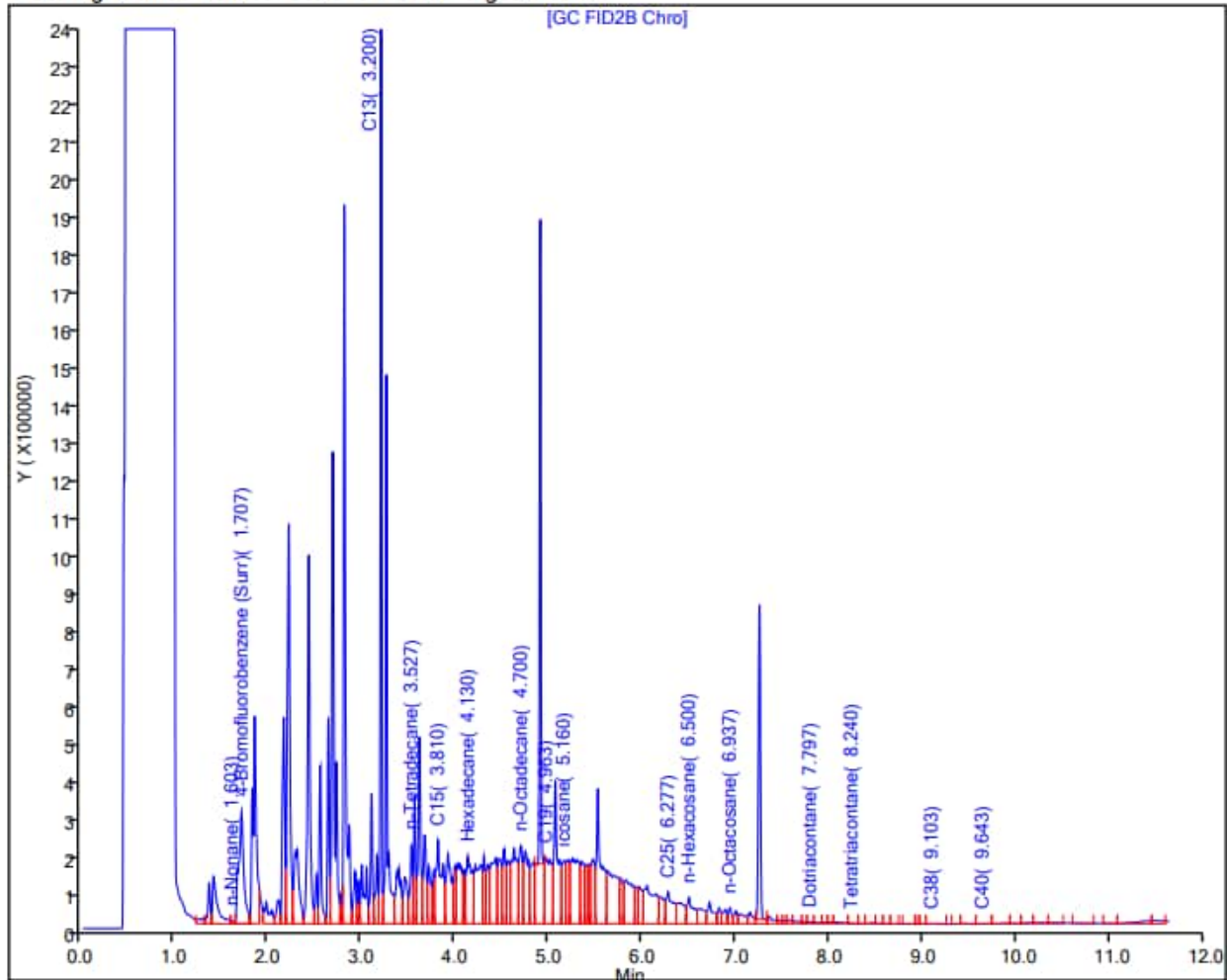
Report Date: 05-Dec-2022 14:25:34

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A037.D		
Injection Date:	03-Dec-2022 23:40:24	Instrument ID:	TAC129_R
Lims ID:	580-120593-N-3-A	Lab Sample ID:	580-120593-3
Client ID:	RHMW17-WGN01B-2211WK4		
Operator ID:	DH	ALS Bottle#:	0 Worklist Smp#: 19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	TPH-TAC129Rear	Limit Group:	8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 06-Dec-2022 15:36:00

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221205-86109.b\120522_028.D

Injection Date: 06-Dec-2022 01:48:30

Instrument ID: TAC020

Lims ID: 580-120593-N-3-B

Lab Sample ID: 580-120593-3

Client ID: RHMW17-WGN01B-2211WK4

Operator ID: DH

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

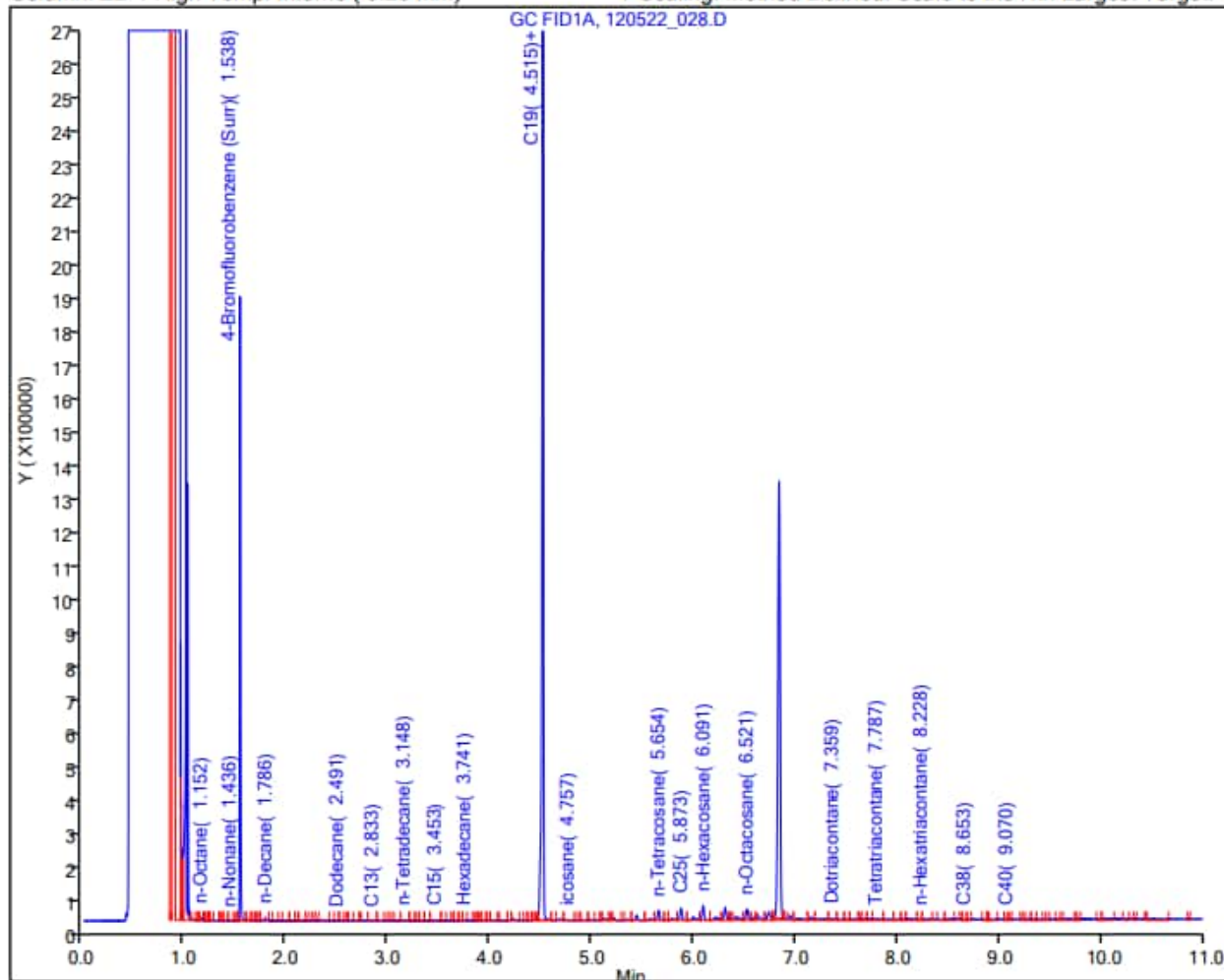
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW17 Sample ID: RHMW17-WGN01B-2212WK1 Sample Date: 12/7/2022

Lab: Eurofins Seattle

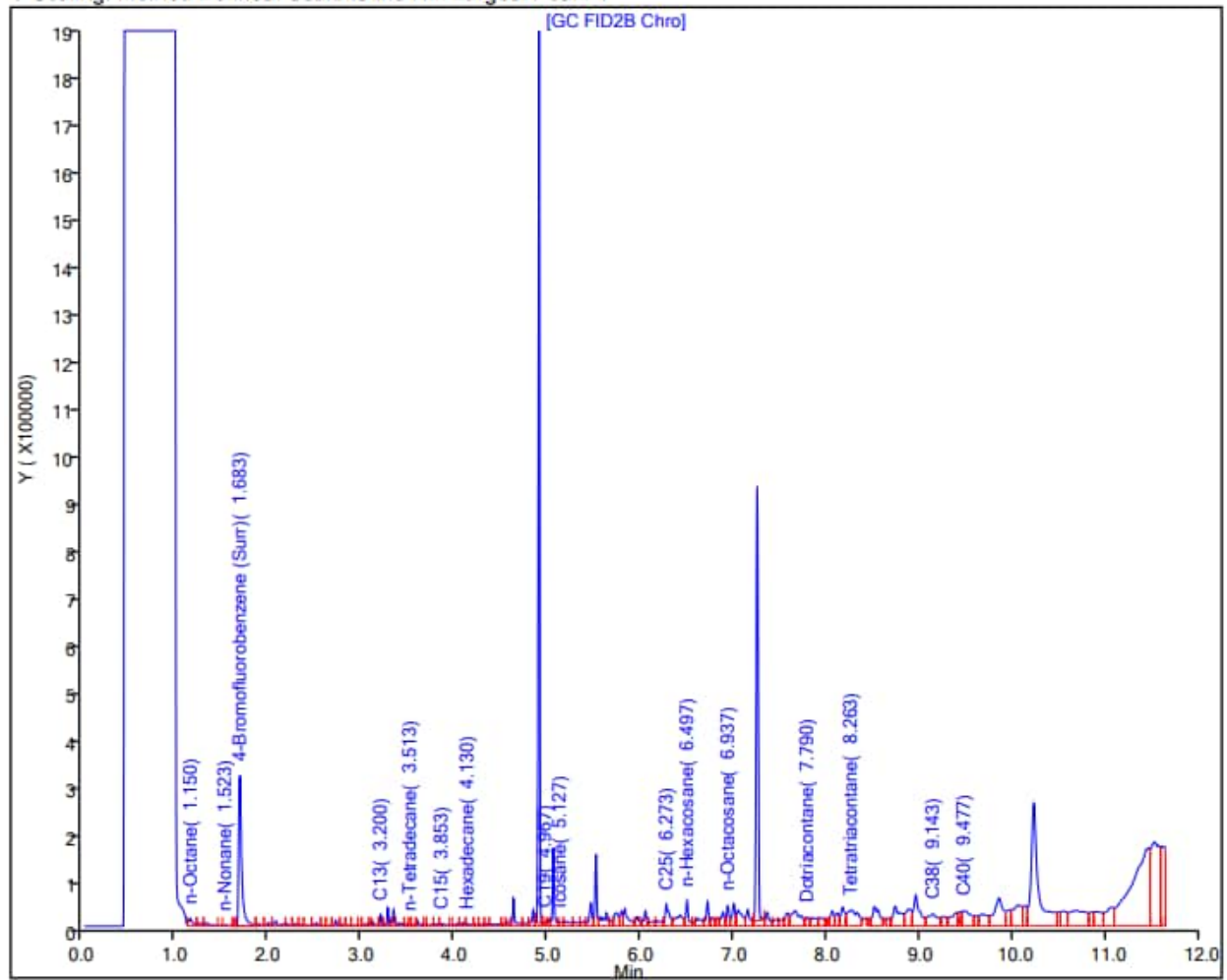
Results (ug/L): TPH-d (C10 to C24) 98 J

TPH-o (C24 to C40) 300 J

Report Date: 14-Dec-2022 14:05:27

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221213-86239.b\121322A029.D
Injection Date: 13-Dec-2022 16:13:51 Instrument ID: TAC129_R
Lims ID: 580-121044-N-4-A Lab Sample ID: 580-121044-4
Client ID: RHMW17-WGN01B-2212WK1
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <94 U

TPH-o SGC (C24 to C40) <280 U

Report Date: 14-Dec-2022 13:17:39

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221213-86240.b\121322A022.D

Injection Date: 13-Dec-2022 14:59:01

Instrument ID: TAC129

Lims ID: 580-121044-N-4-B

Lab Sample ID: 580-121044-4

Client ID: RHMW17-WGN01B-2212WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 26

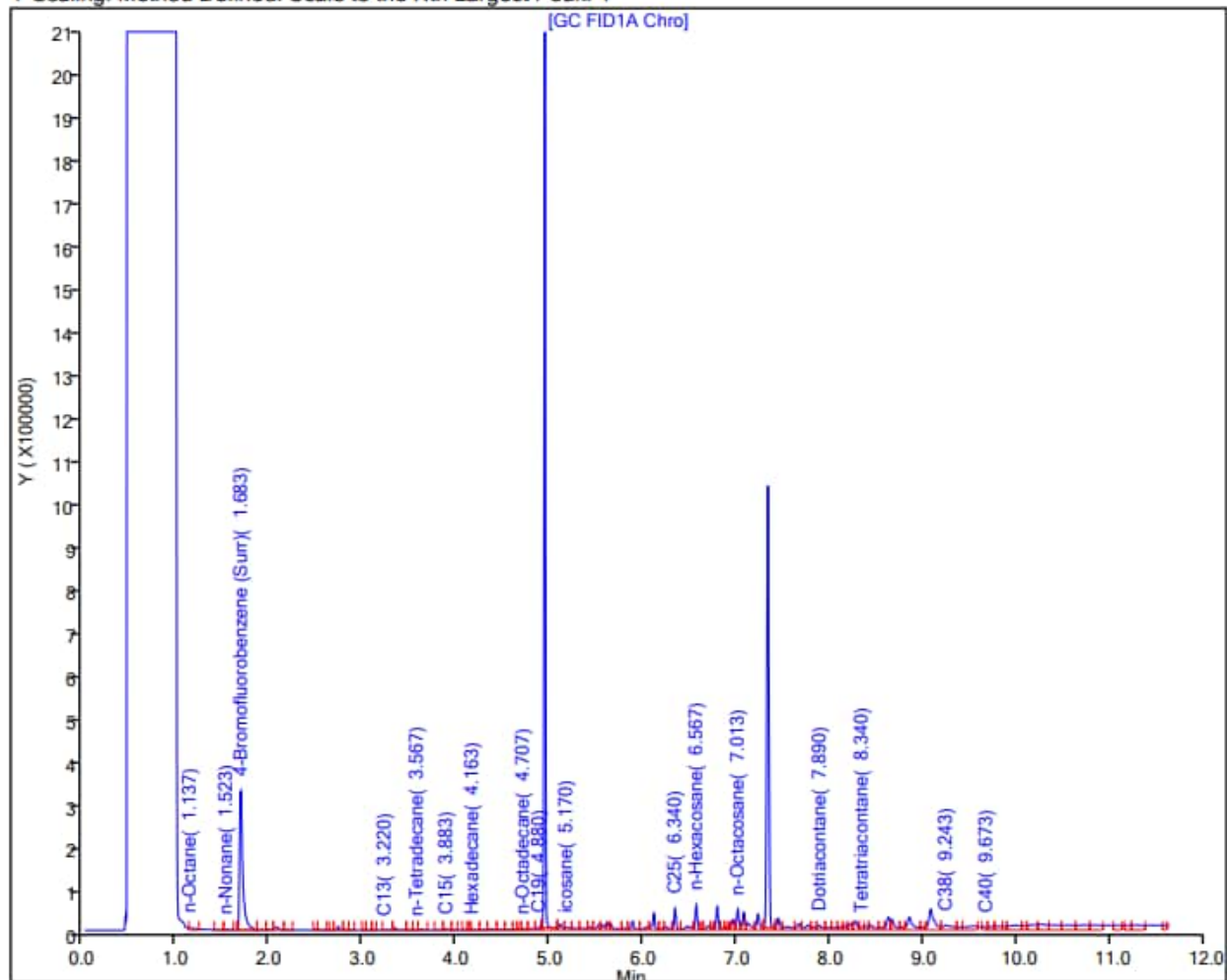
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW17 Sample ID: RHMW17-WGN01B-2212WK4 Sample Date: 12/30/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 11-Jan-2023 14:11:59

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: Eurofins Seattle

Injection Date: 06-Jan-2023 19:26:35 Instrument ID: TAC129_R

Lims ID: 580-121747-E-3-A

Lab Sample ID: 580-121747-3

Client ID: RHMW17-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 51

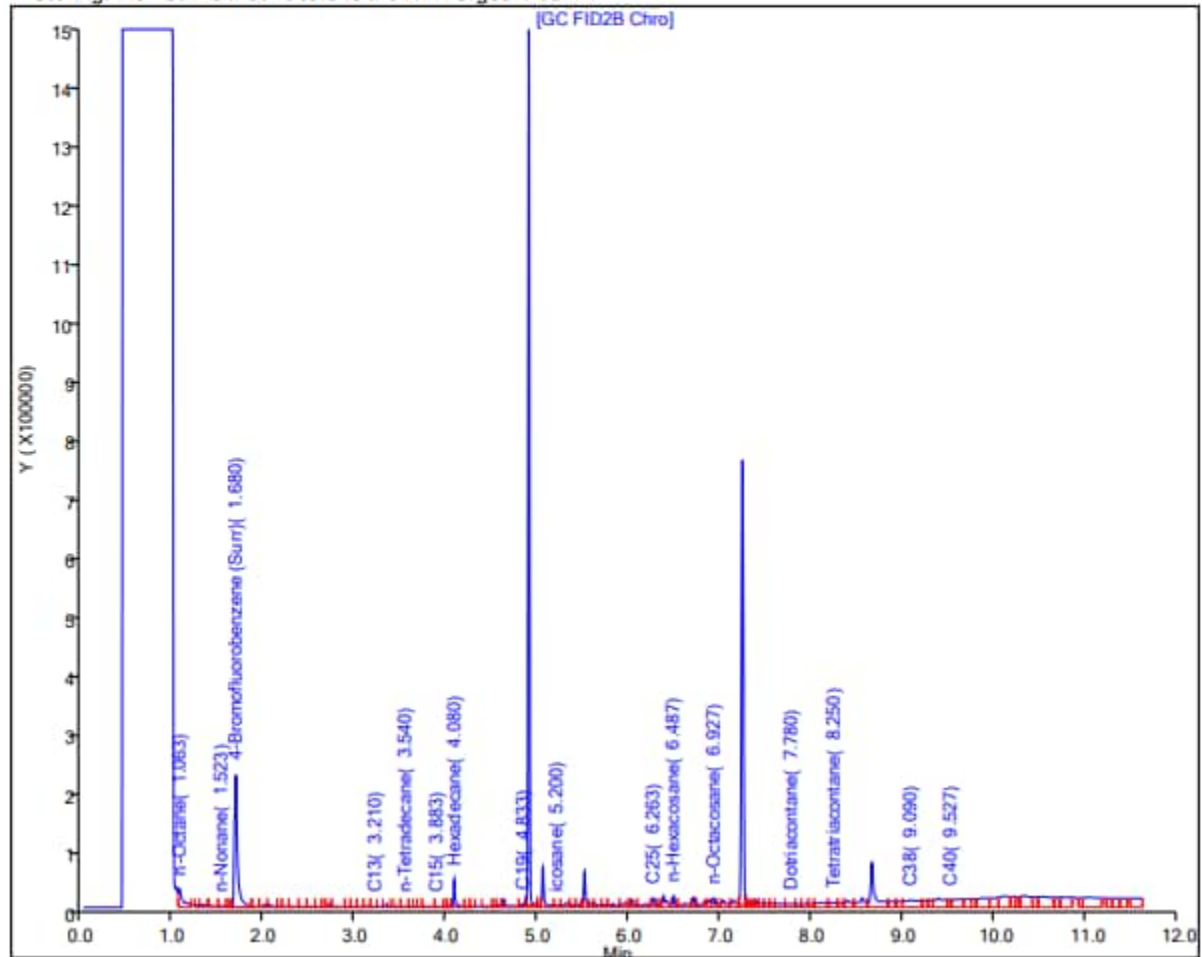
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW17 Sample ID: RHMW17-WGN01B-2301WK1 Sample Date: 1/6/2023

Lab: Eurofins Seattle

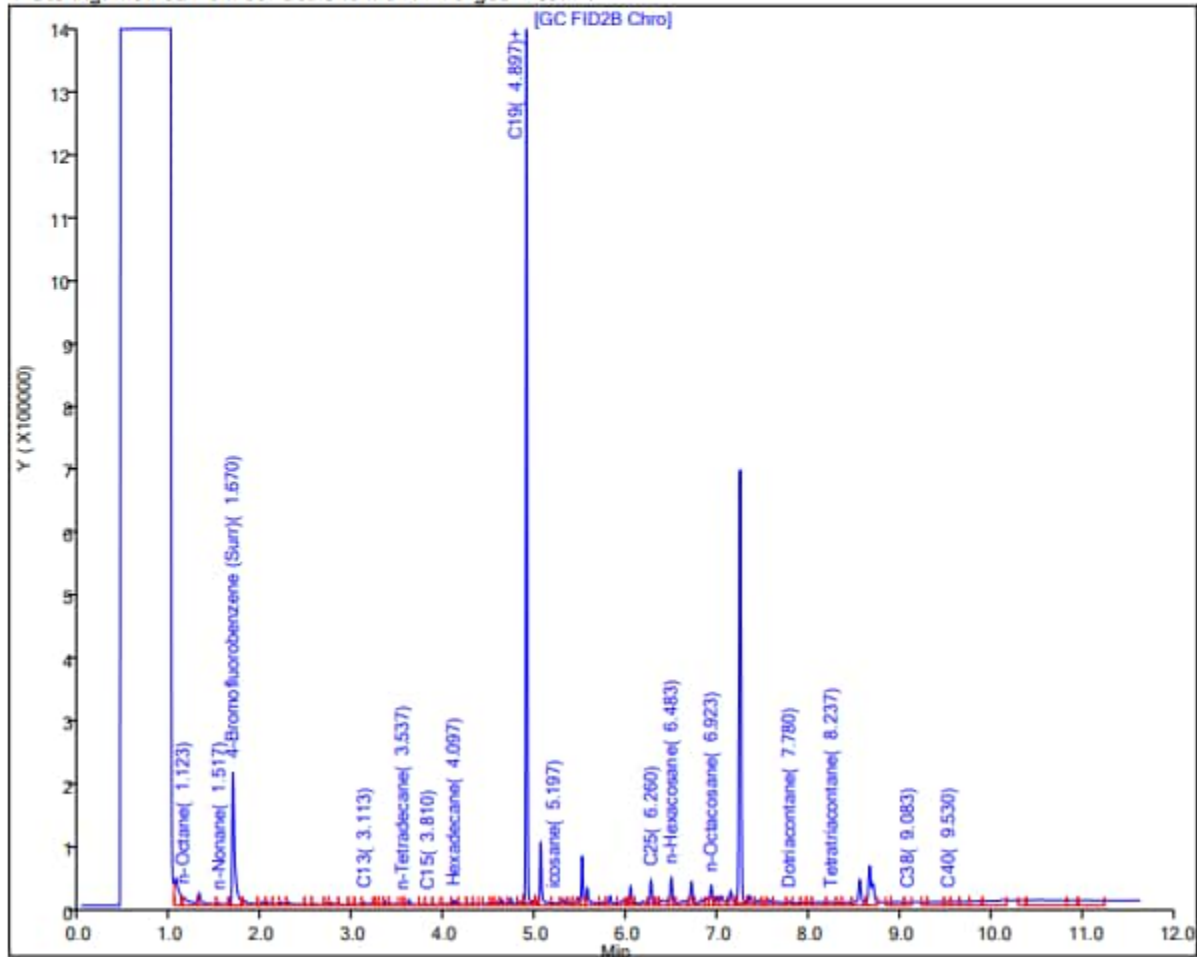
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 16-Jan-2023 11:30:27

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230114-86670.b\011423A061.D
Injection Date: 15-Jan-2023 00:24:20 Instrument ID: TAC129_R
Lims ID: 580-121982-N-14-A Lab Sample ID: 580-121982-14
Client ID: RHMW17-WGN01B-2301WK1
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW17 Sample ID: RHMW17-WGN01B-2301WK2 Sample Date: 1/12/2023

Lab: Eurofins Seattle

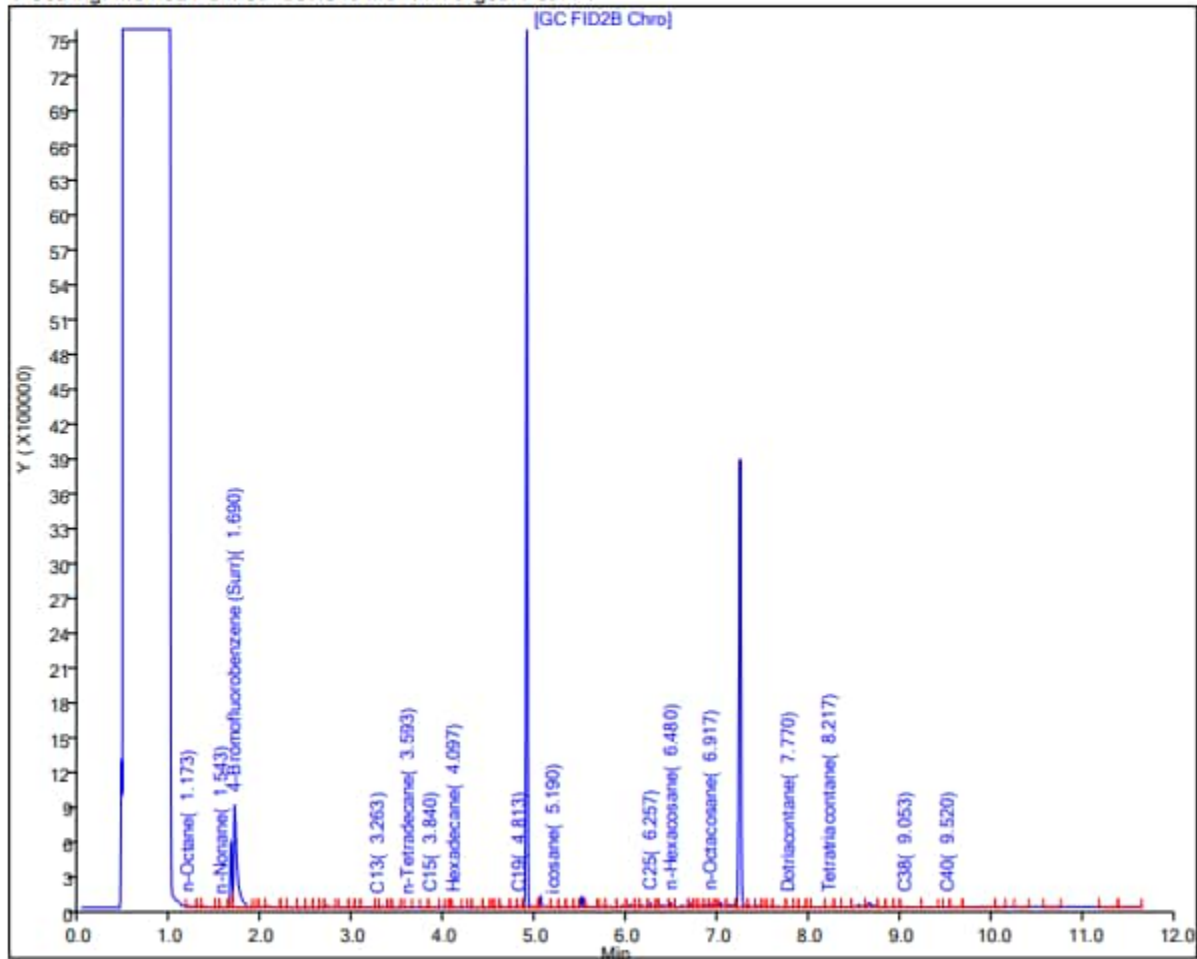
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 23-Jan-2023 09:01:11

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230120-86765.b\012023A079.D
Injection Date: 20-Jan-2023 20:47:27 Instrument ID: TAC129_R
Lims ID: 580-122214-O-7-A Lab Sample ID: 580-122214-7
Client ID: RHMW17-WGN01B-2301WK2
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 1.0 uL/L Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW17 Sample ID: RHMW17-WGN01B-2301WK3 Sample Date: 1/19/2023

Lab: Eurofins Seattle

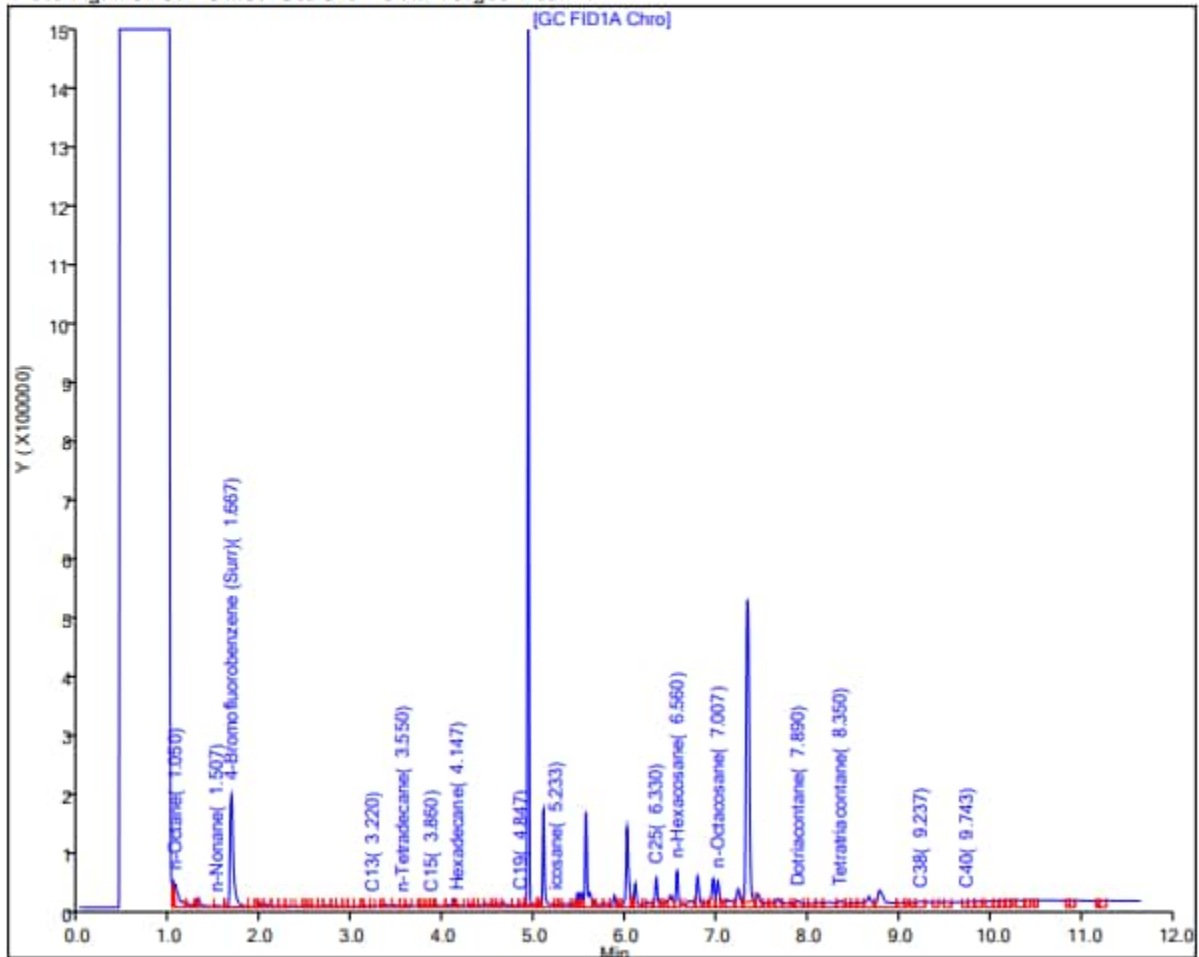
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 27-Jan-2023 10:15:42

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230126-86830.b\0126a23A048.D
Injection Date: 26-Jan-2023 21:37:41 Instrument ID: TAC129
Lims ID: 580-122498-O-1-A Lab Sample ID: 580-122498-1
Client ID: RHMW17-WGN01B-2301WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW17 Sample ID: RHMW17-WGN01B-2301WK4 Sample Date: 1/26/2023

Lab: Eurofins Seattle

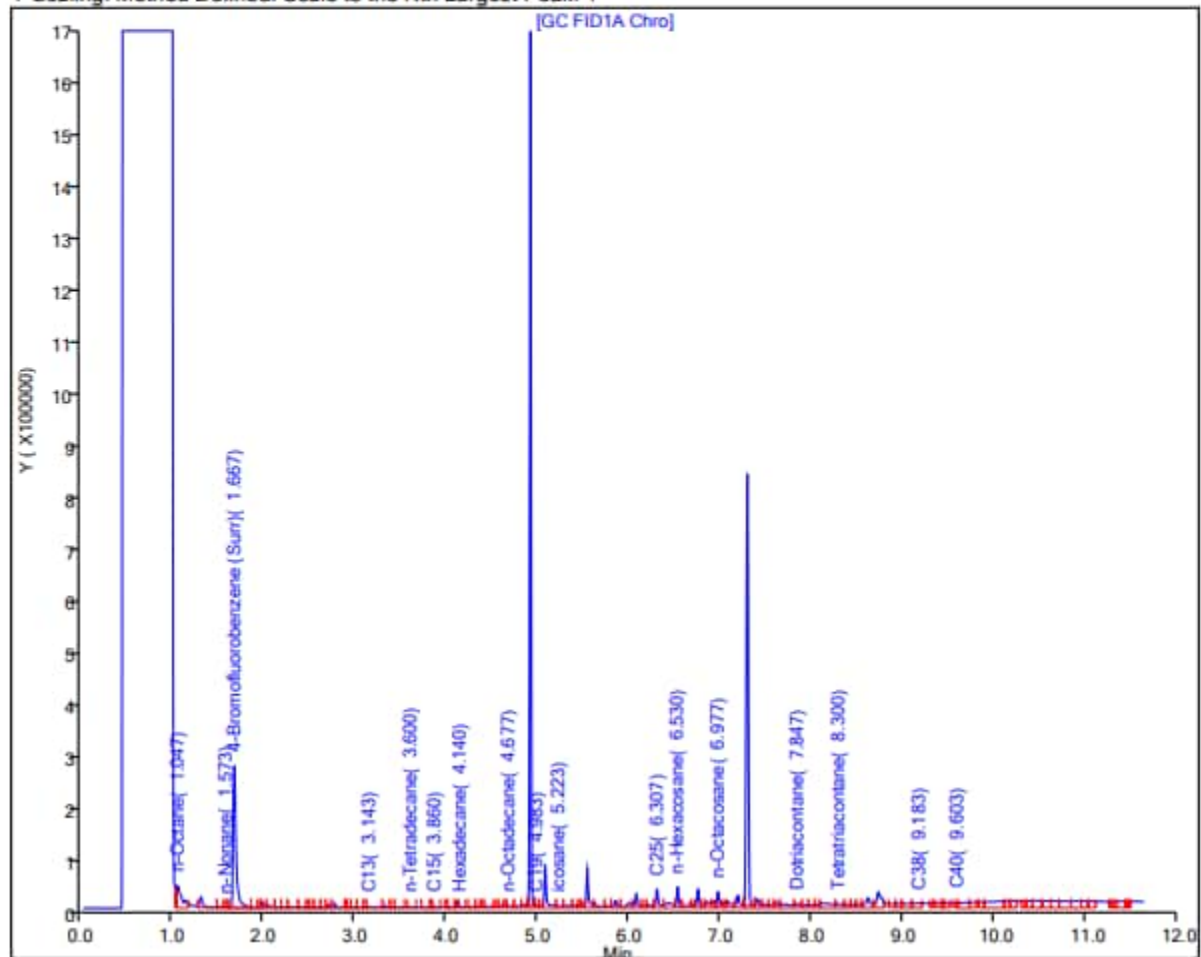
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 03-Feb-2023 08:35:33

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230202-86915.b\020223A032.D
Injection Date: 02-Feb-2023 14:25:21 Instrument ID: TAC129
Lims ID: 580-122801-O-1-A Lab Sample ID: 580-122801-1
Client ID: RHMW17-WGN01B-2301WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW17 Sample ID: RHMW17-WGN01B-2302WK2 Sample Date: 2/16/2023

Lab: Eurofins Seattle

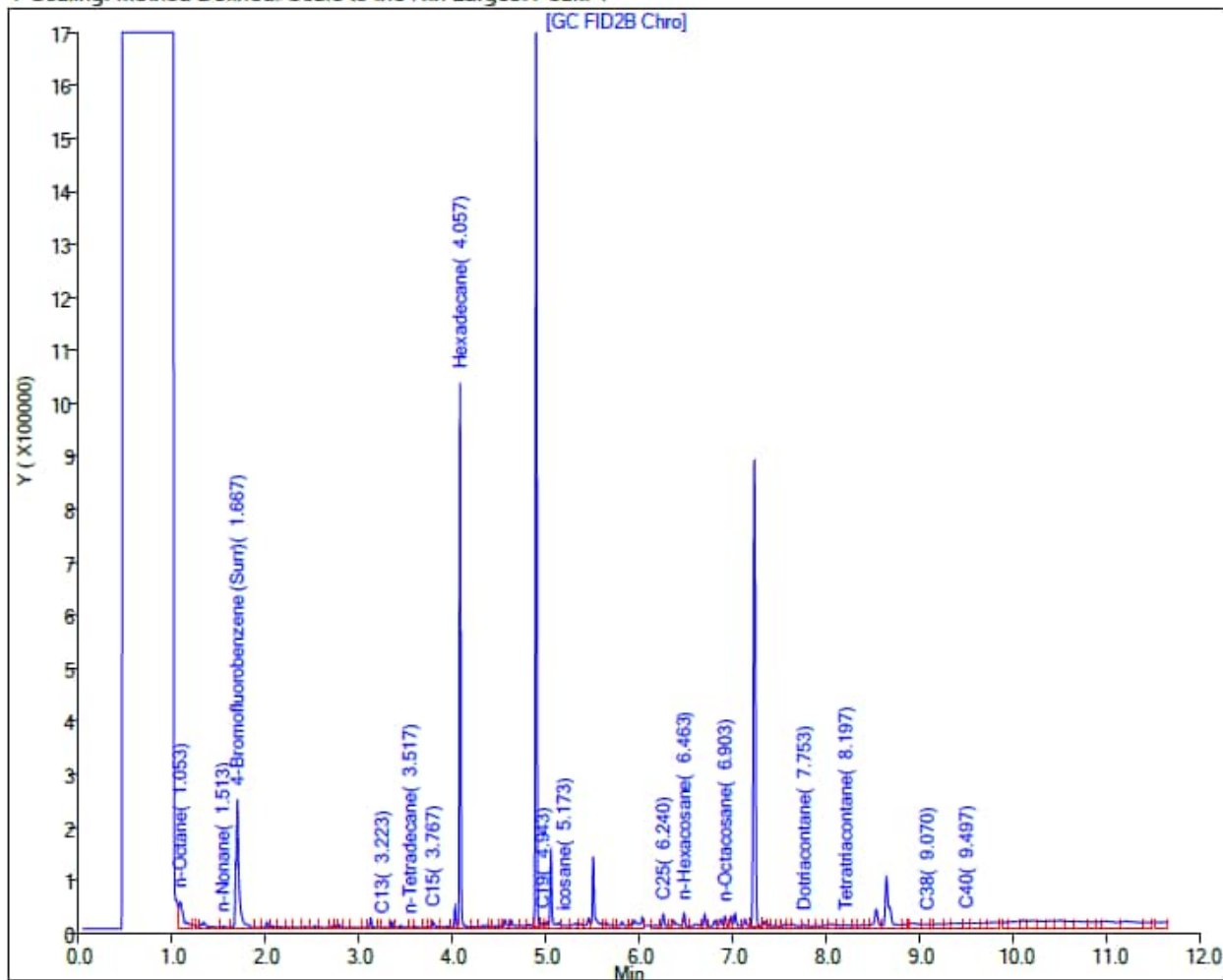
Results (ug/L): TPH-d (C10 to C24) 120

TPH-o (C24 to C40) <320 U

Report Date: 23-Feb-2023 08:44:53

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230222-87216.b\022223A029.D
Injection Date: 22-Feb-2023 23:14:38 Instrument ID: TAC129_R
Lims ID: 580-123713-O-6-A Lab Sample ID: 580-123713-6
Client ID: RHMW17-WGN01B-2302WK2
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <110 U

TPH-o SGC (C24 to C40) <320 U

Report Date: 02-Mar-2023 09:44:58

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230301-87303.b\030123_036.D

Injection Date: 02-Mar-2023 06:42:05

Instrument ID: TAC020

Lims ID: 580-123713-O-6-B

Lab Sample ID: 580-123713-6

Client ID: RHMW17-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 36

Injection Vol: 1.0 ul

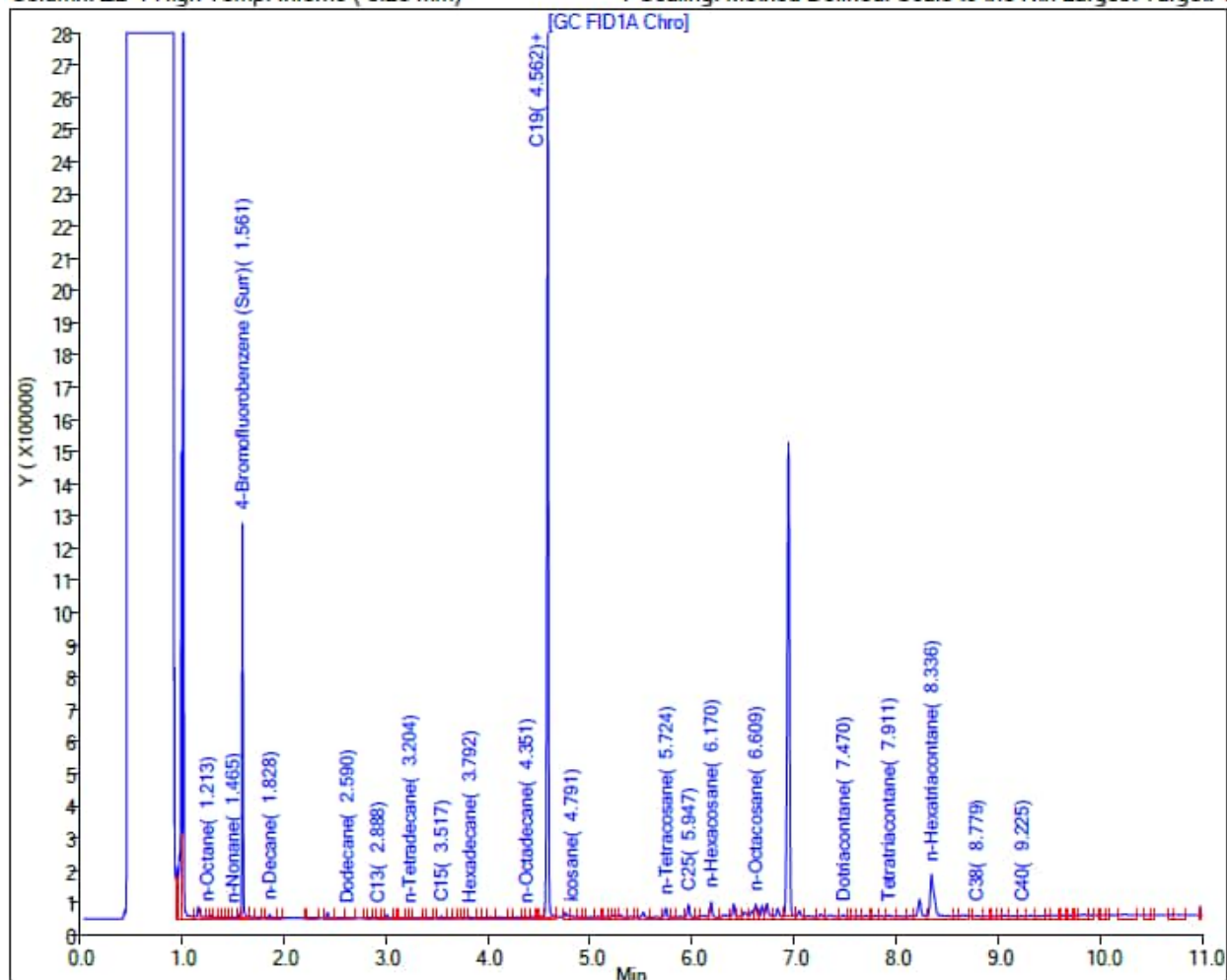
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



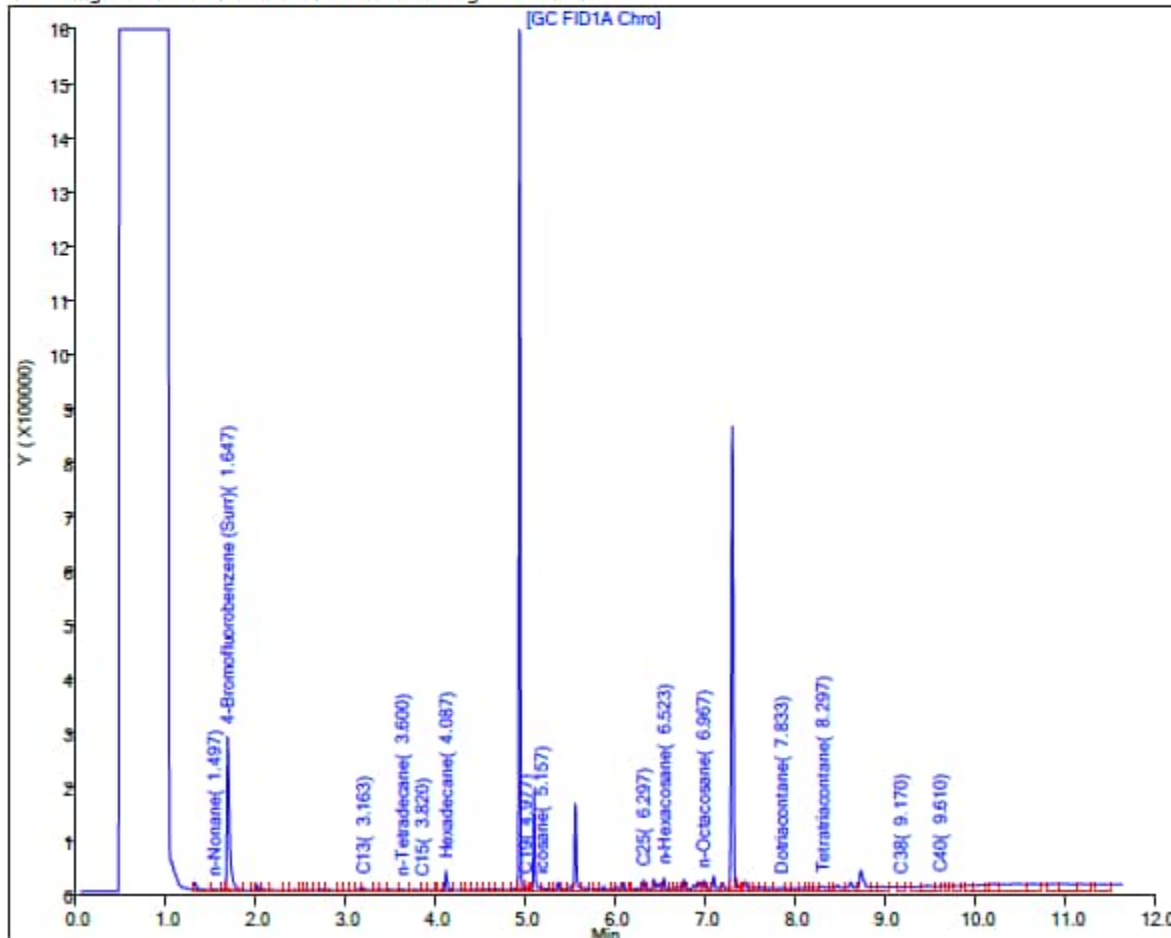
Location: RHMW17 Sample ID: RHMW17-WGN01B-2302WK3 Sample Date: 2/23/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 02-Mar-2023 10:22:19 Chrom Revision: 2.3 15-Feb-2023 20:44:50
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\0301a23A054.D
Injection Date: 01-Mar-2023 23:01:44 Instrument ID: TAC129
Lims ID: 580-123967-N-5-A Lab Sample ID: 580-123967-5
Client ID: RHMW17-WGN01B-2302WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 74
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW17

Sample ID: RHMW17-WGN01B-2302WK4

Sample Date: 3/2/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 09-Mar-2023 10:41:32

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 08-Mar-2023 21:07:57

Lims ID: 580-124259-N-8-A

Client ID: RHMW17-WGN01B-2302WK4

Operator ID: KW

Injection Vol: 1.0 uL

Method: TPH-TAC129Front

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

Instrument ID: TAC129

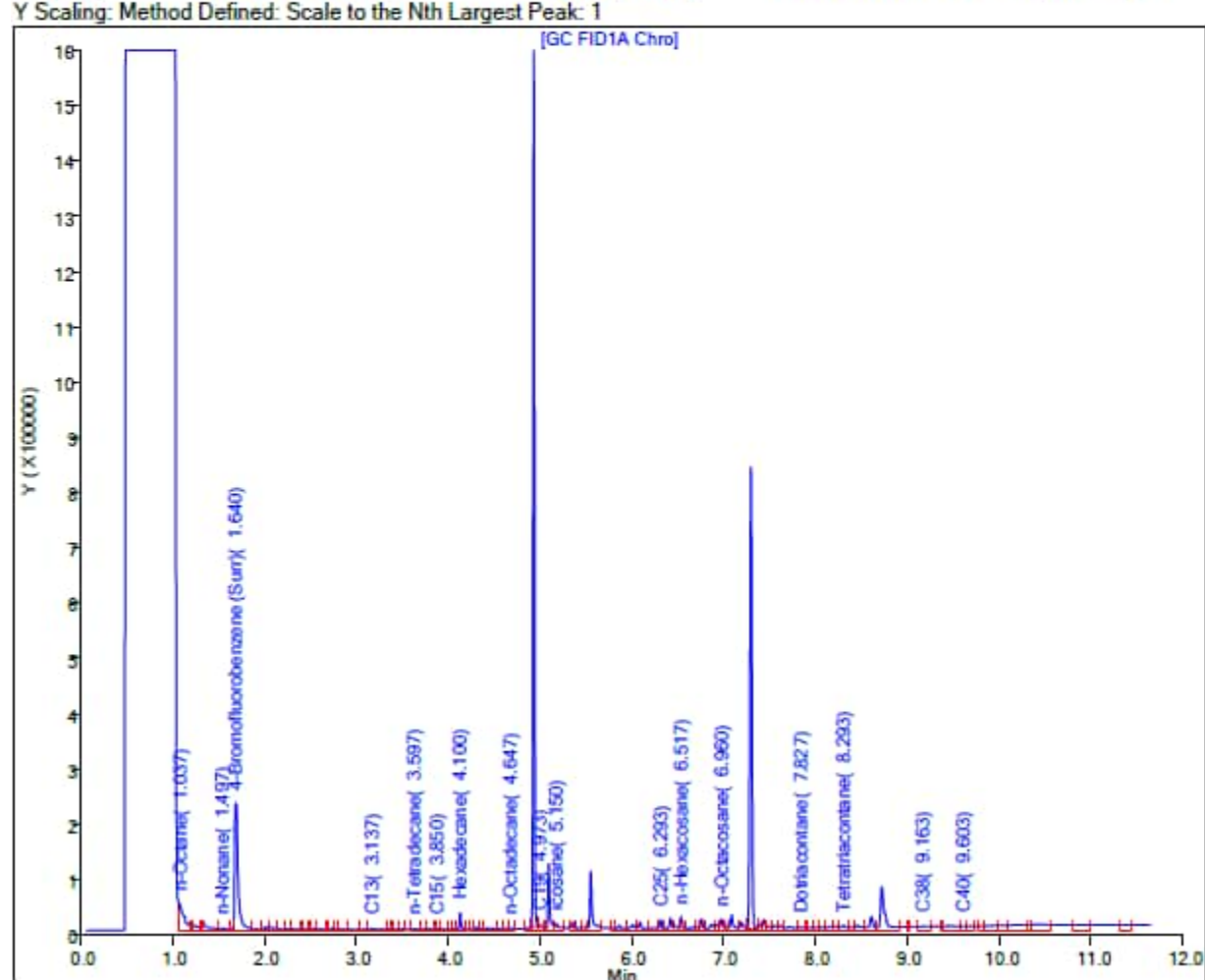
Lab Sample ID: 580-124259-8

ALS Bottle#: 0

Worklist Smp#: 67

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges



No Silica Gel Cleanup performed.

Location: RHMW19 Sample ID: RHMW19-WGN02B-2211WK1 Sample Date: 11/9/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 17-Nov-2022 11:54:57

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A033.D

Injection Date: 17-Nov-2022 03:02:54

Instrument ID: TAC129_R

Lims ID: 580-119958-O-6-A

Lab Sample ID: 580-119958-6

Client ID: RHMW19-WGN02B-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 46

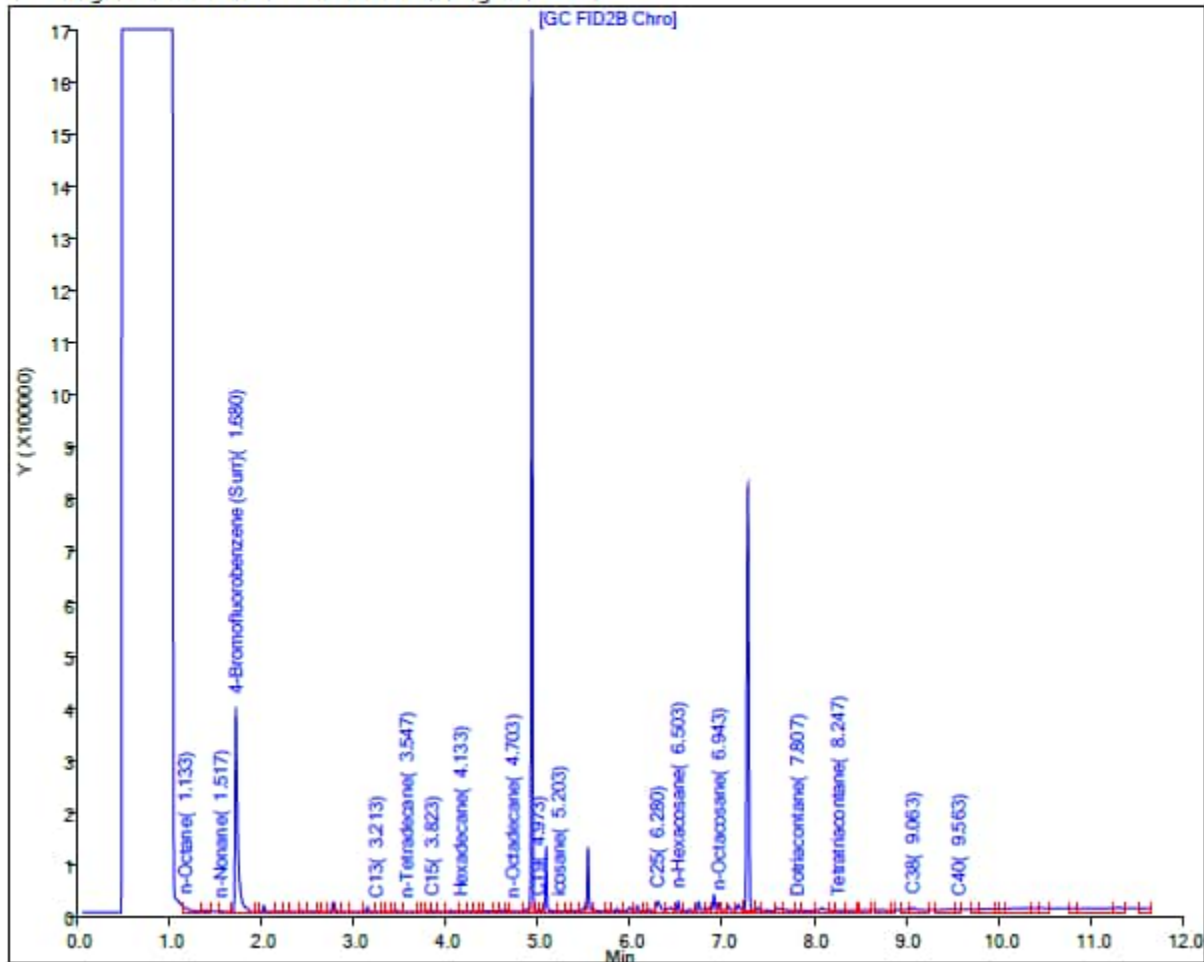
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW19 Sample ID: RHMW19-WGN02B-2211WK2 Sample Date: 11/16/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 95 J

TPH-o (C24 to C40) <310 U

Report Date: 22-Nov-2022 14:58:00

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_013.D

Injection Date: 21-Nov-2022 21:41:30

Instrument ID: TAC020

Lims ID: 580-120140-N-7-A

Lab Sample ID: 580-120140-7

Client ID: RHMW19-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

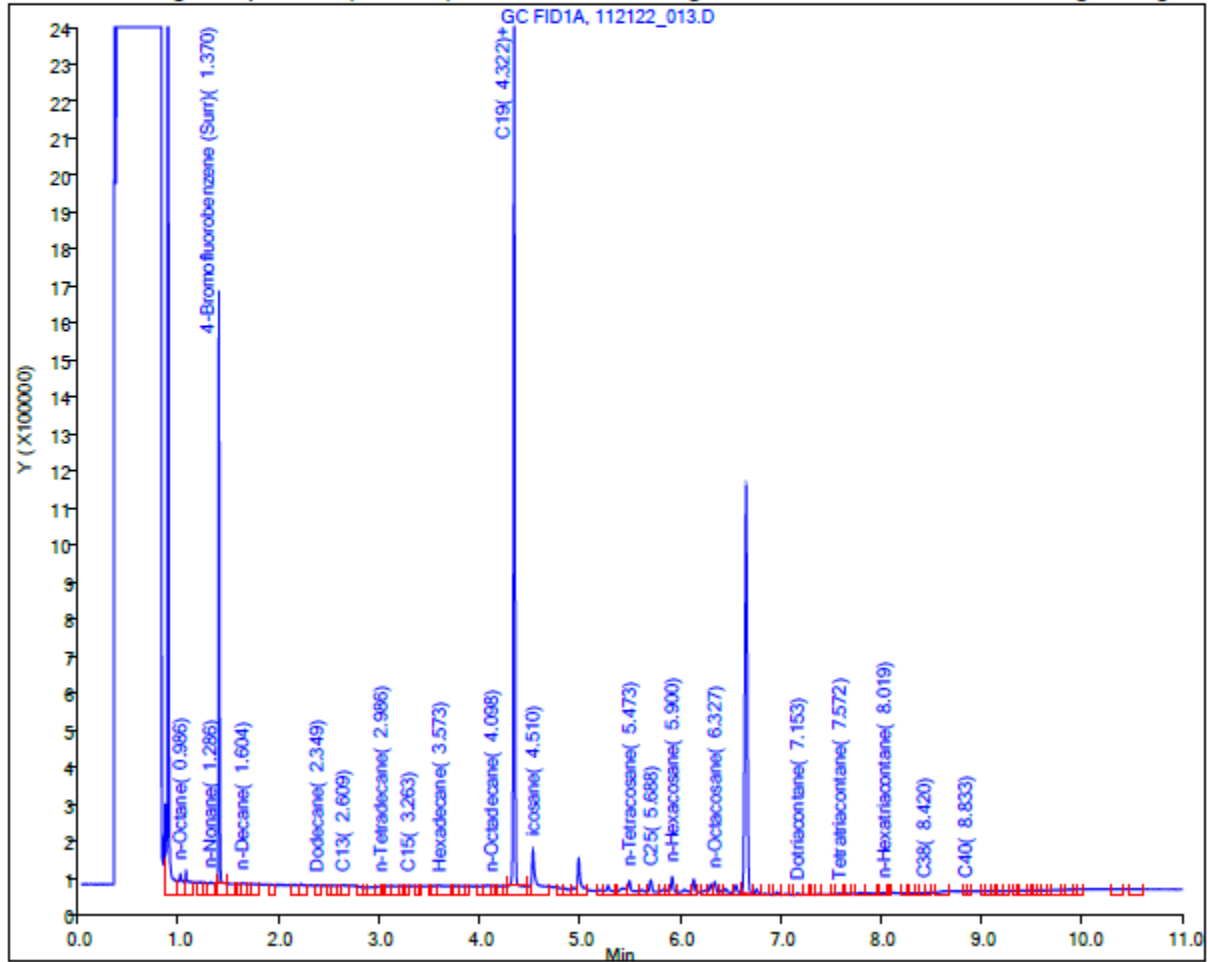
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 23-Nov-2022 12:59:35

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221122-85928_b\1122ab22A029.D

Injection Date: 22-Nov-2022 21:03:56

Instrument ID: TAC129_R

Lims ID: 580-120140-N-7-C

Lab Sample ID: 580-120140-7

Client ID: RHMW19-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 25

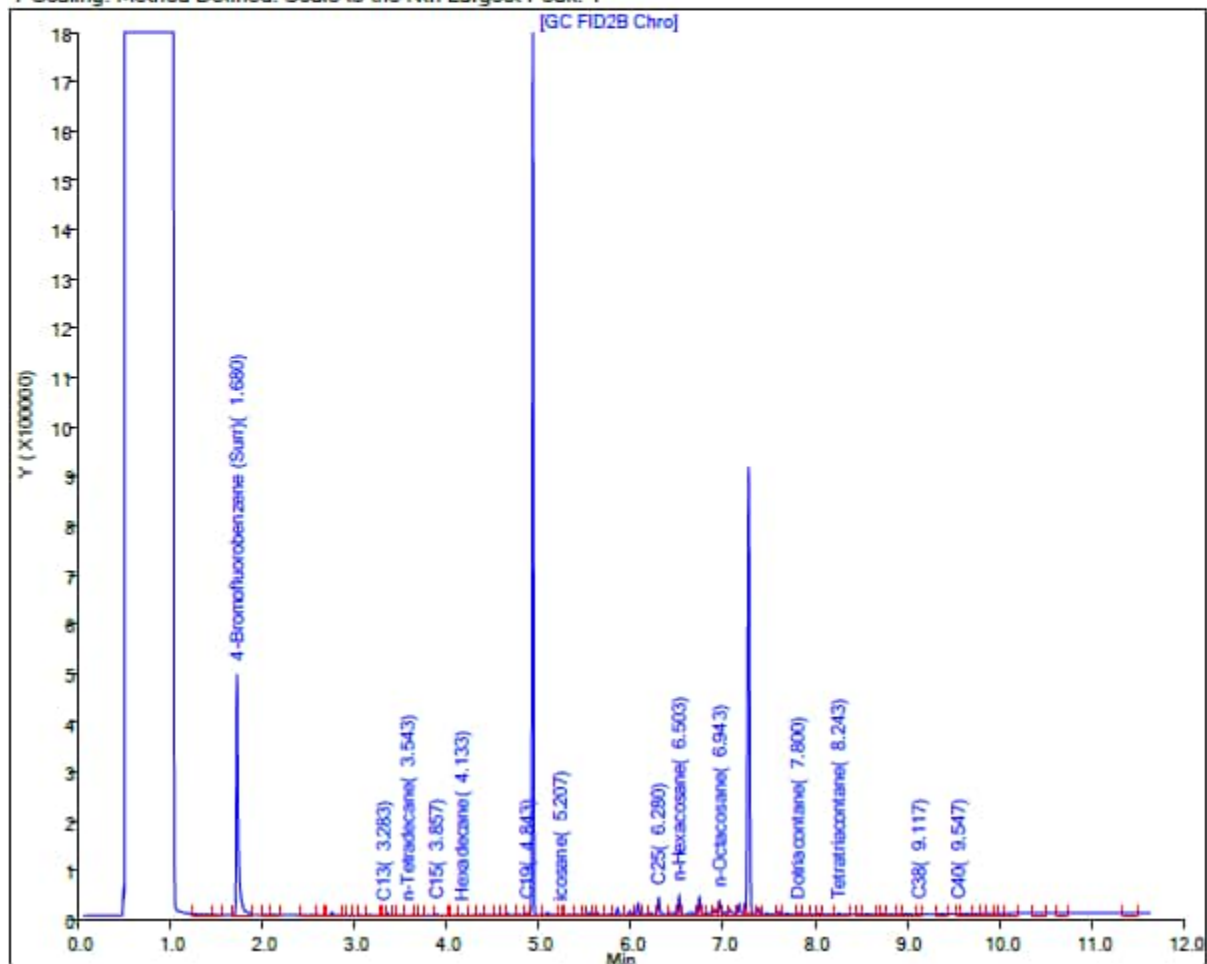
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW19 Sample ID: RHMW19-WGN01B-2211WK4 Sample Date: 11/28/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <300 U

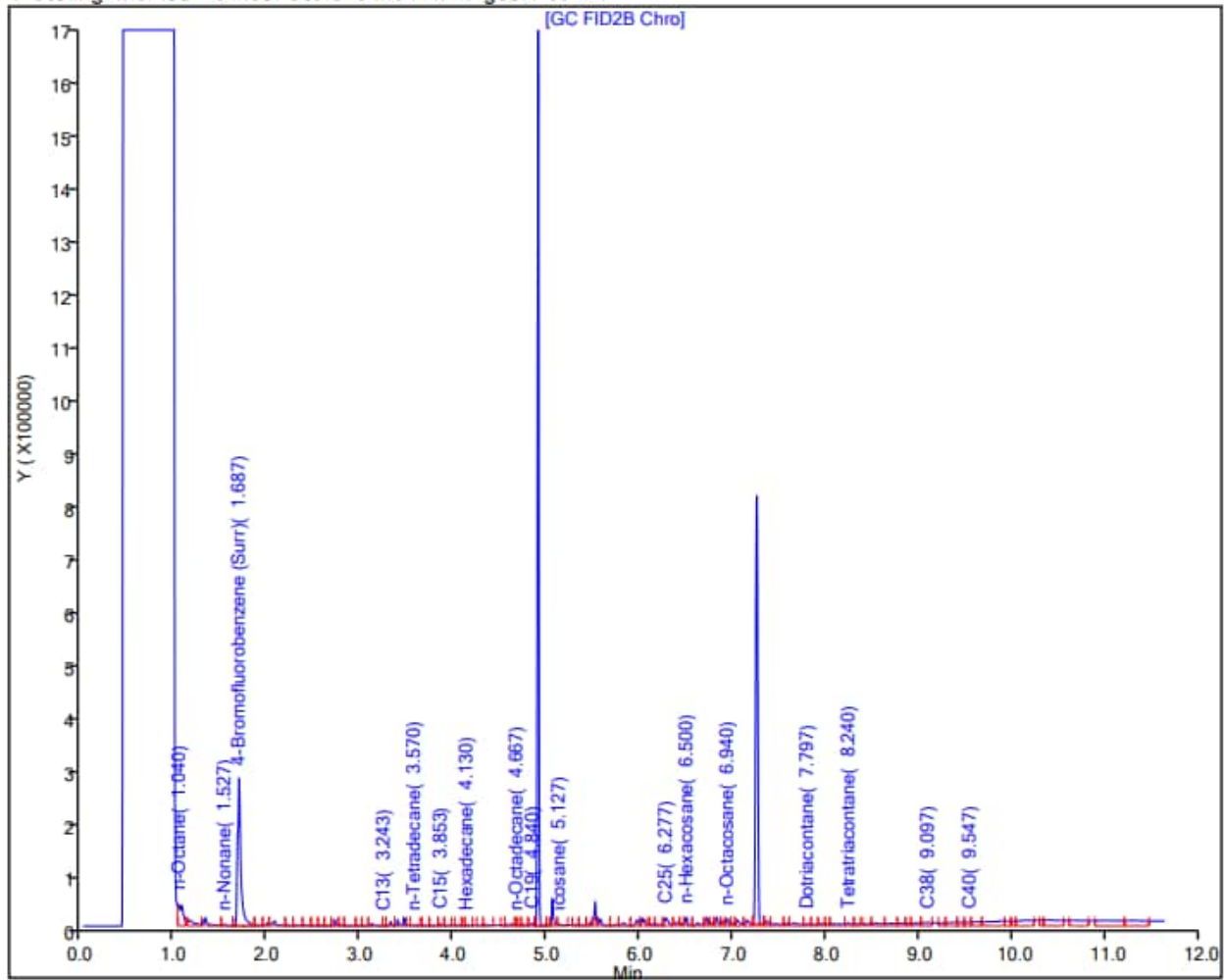
Report Date: 08-Dec-2022 12:45:34

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC129_R\20221207-86155.b\120722A023.D		
Injection Date:	08-Dec-2022 00:55:43	Instrument ID:	TAC129_R
Lims ID:	580-120540-N-11-A	Lab Sample ID:	580-120540-11
Client ID:	RHMW19-WGN01B-2211WK4		
Operator ID:	DH	ALS Bottle#:	0 Worklist Smp#: 44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	TPH-TAC129Rear	Limit Group:	8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 06-Dec-2022 15:35:31

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221205-86109.b\120522_021.D

Injection Date: 05-Dec-2022 23:27:30

Instrument ID: TAC020

Lims ID: 580-120540-O-11-B

Lab Sample ID: 580-120540-11

Client ID: RHMW19-WGN01B-2211WK4

Operator ID: DH

ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul

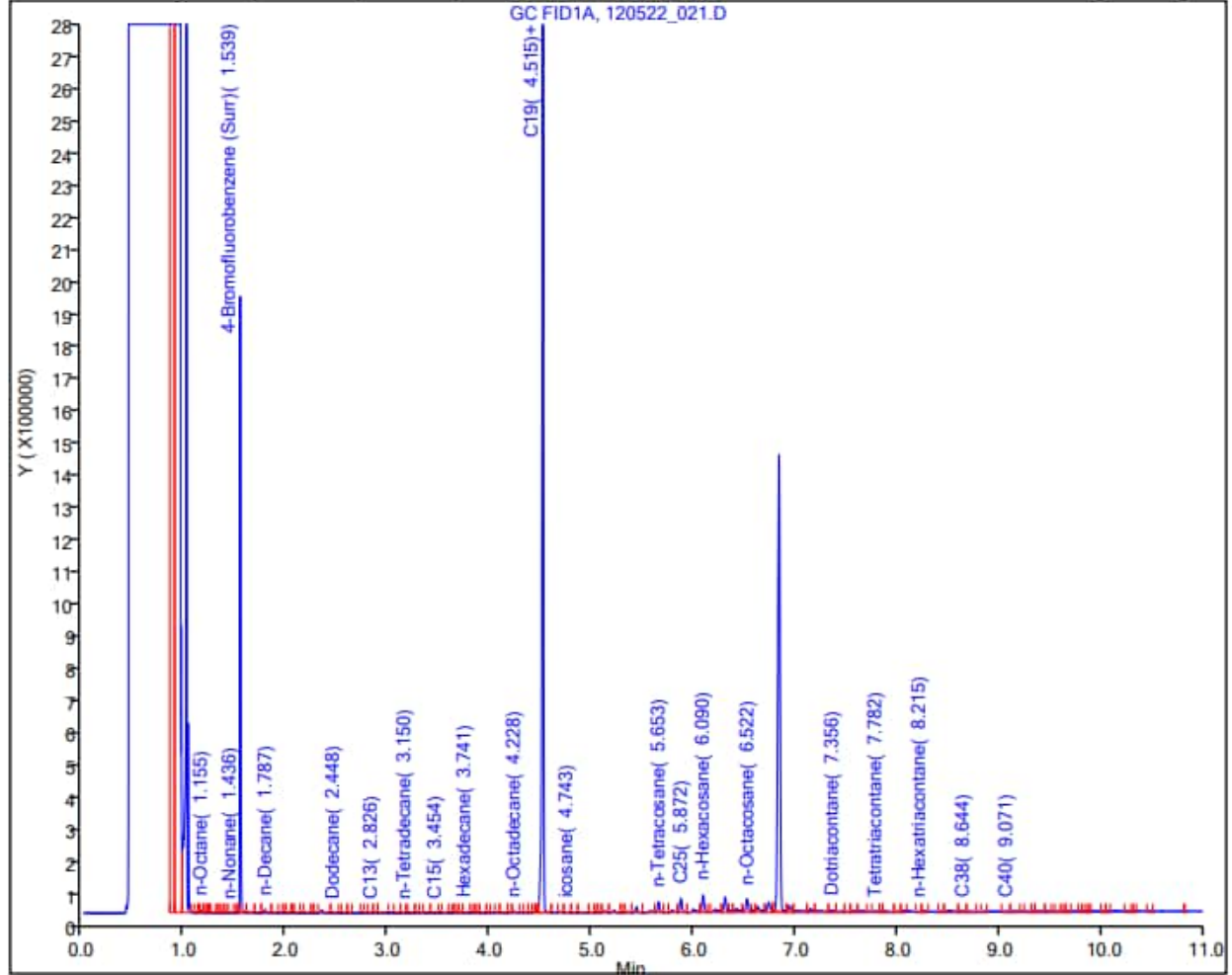
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW19 Sample ID: RHMW19-WGN01B-2212WK3 Sample Date: 12/23/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 04-Jan-2023 14:43:27

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230103-86496.b\010323A033.D

Injection Date: 03-Jan-2023 18:07:57

Instrument ID: TAC129_R

Lims ID: 580-121570-E-1-A

Lab Sample ID: 580-121570-1

Client ID: RHMW19-WGN01B-2212WK3

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 23

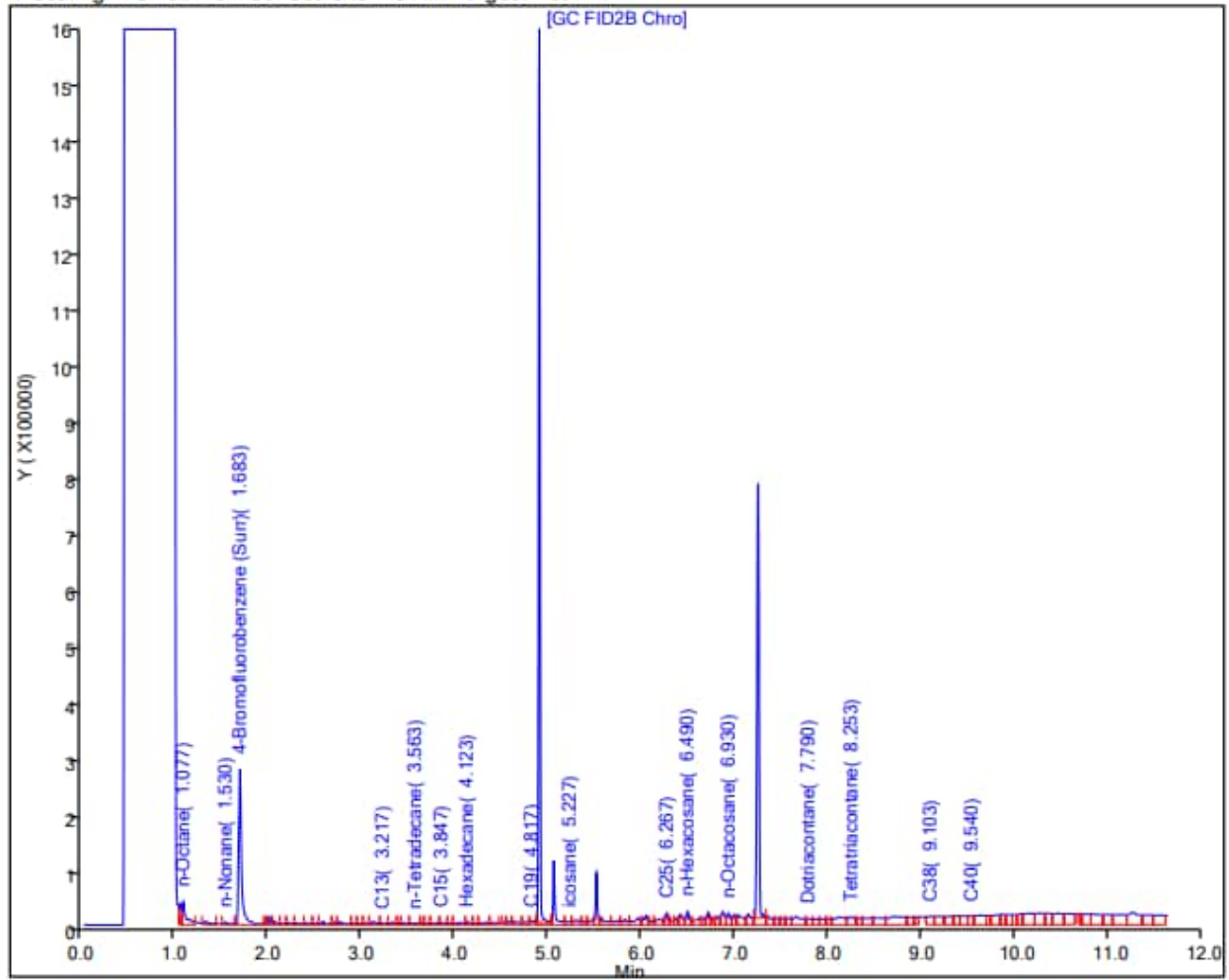
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW19 Sample ID: RHMW19-WGN01B-2212WK4 Sample Date: 12/27/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 05-Jan-2023 22:01:07

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A029.D

Injection Date: 05-Jan-2023 19:38:21

Instrument ID: TAC129_R

Lims ID: 580-121666-F-8-A

Lab Sample ID: 580-121666-8

Client ID: RHMW19-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 30

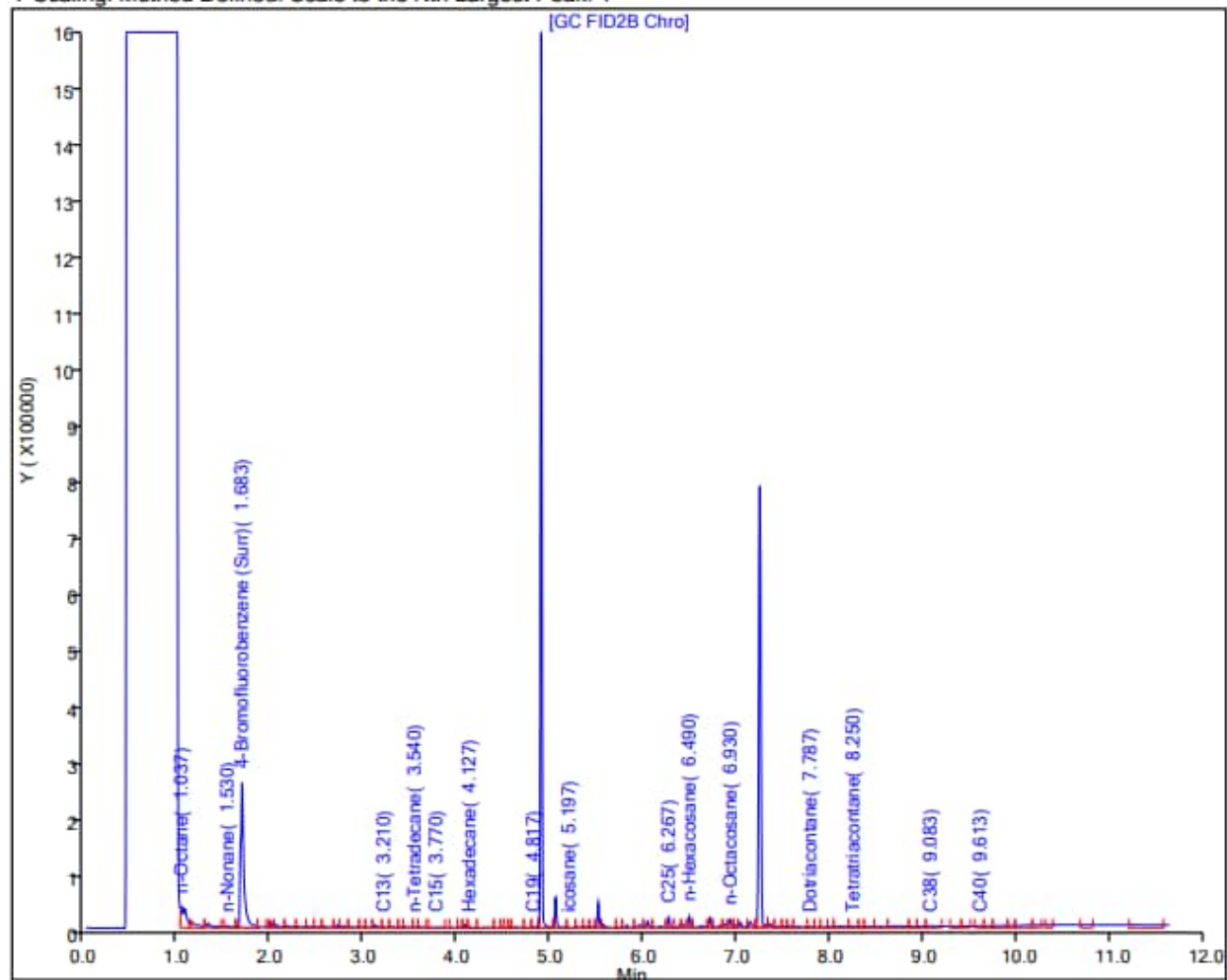
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW19 Sample ID: RHMW19-WGN01B-2301WK1 Sample Date: 1/3/2023

Lab: Eurofins Seattle

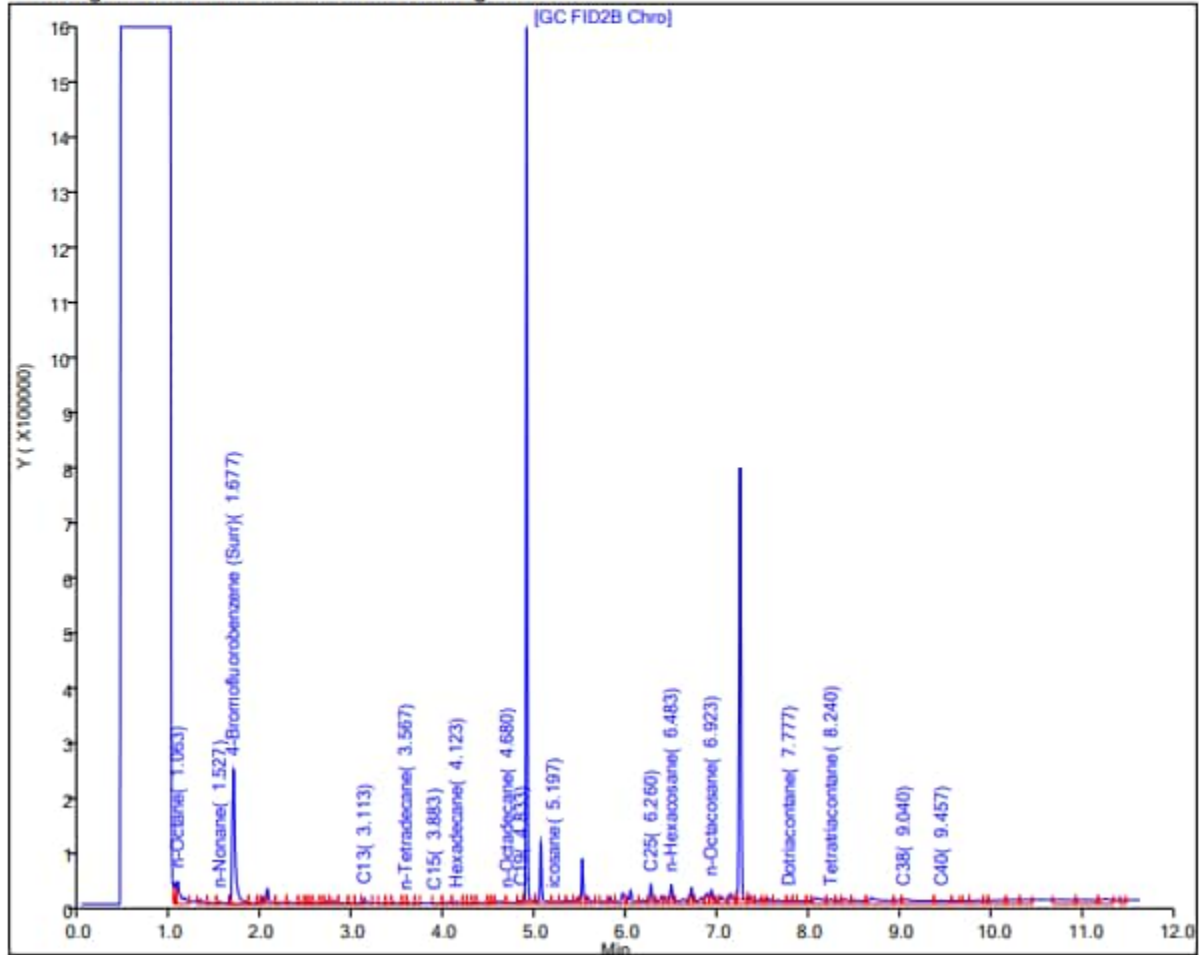
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 13-Jan-2023 14:24:21

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\011223A057.D
Injection Date: 12-Jan-2023 20:44:06 Instrument ID: TAC129_R
Lims ID: 580-121791-O-4-A Lab Sample ID: 580-121791-4
Client ID: RHMW19-WGN01B-2301WK1
Operator ID: kw/cc ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW19 Sample ID: RHMW19-WGN01B-2301WK2 Sample Date: 1/9/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

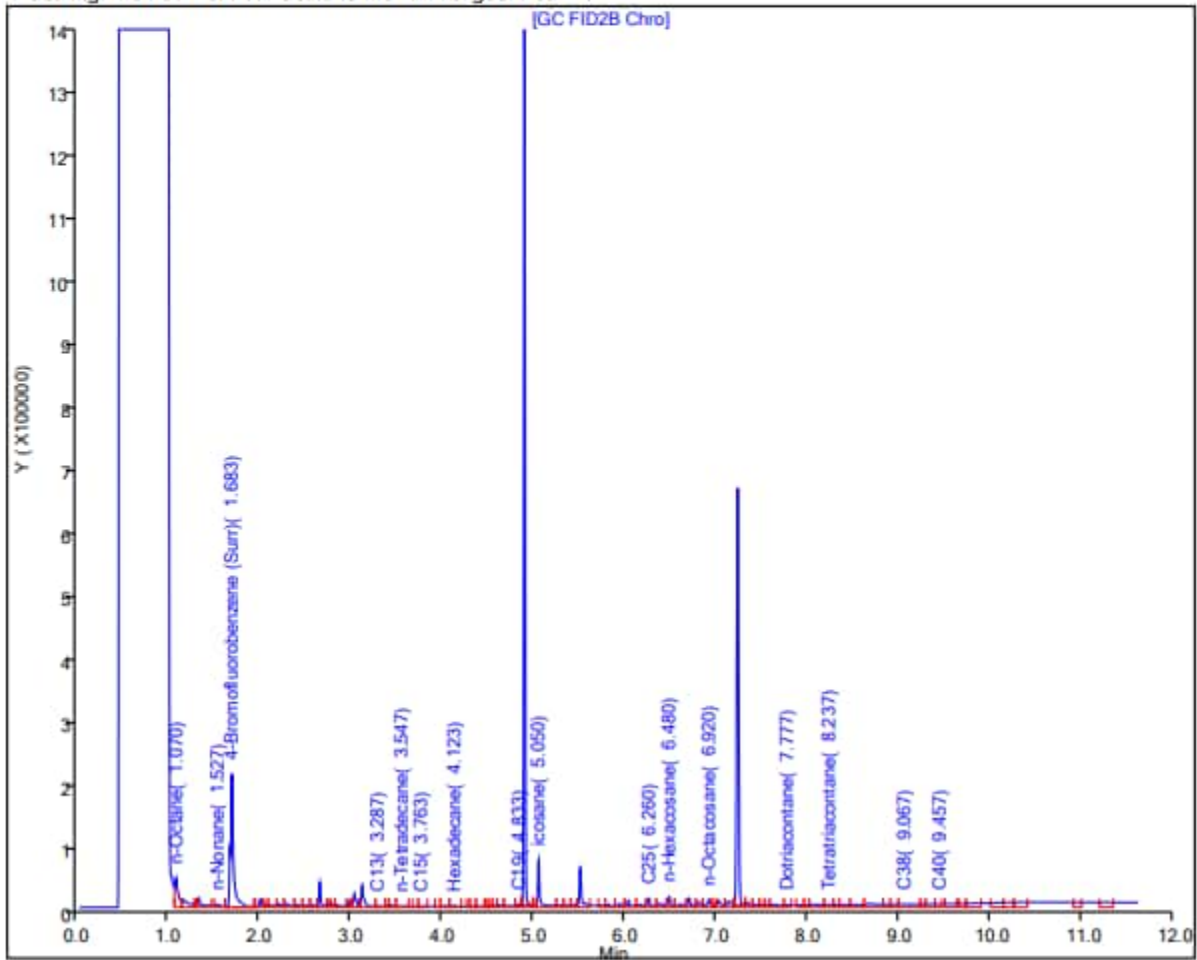
Report Date: 18-Jan-2023 09:37:23

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC129_R\20230117-86698.b\011723A043.D		
Injection Date:	17-Jan-2023 15:04:05	Instrument ID:	TAC129_R
Lims ID:	580-122000-N-14-A	Lab Sample ID:	580-122000-14
Client ID:	RHMW19-WGN01B-2301WK2		
Operator ID:	KW	ALS Bottle#:	0 Worklist Smp#: 21
Injection Vol:	1.0 uL/L	Dil. Factor:	1.0000
Method:	TPH-TAC129Rear	Limit Group:	8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW19 Sample ID: RHMW19-WGN01B-2301WK3 Sample Date: 1/16/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 97

TPH-o (C24 to C40) 290 J

Report Date: 24-Jan-2023 08:32:04

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_063.D

Injection Date: 24-Jan-2023 06:55:59

Instrument ID: TAC020

Lims ID: 580-122282-N-5-A

Lab Sample ID: 580-122282-5

Client ID: RHMW19-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 63

Injection Vol: 1.0 ul

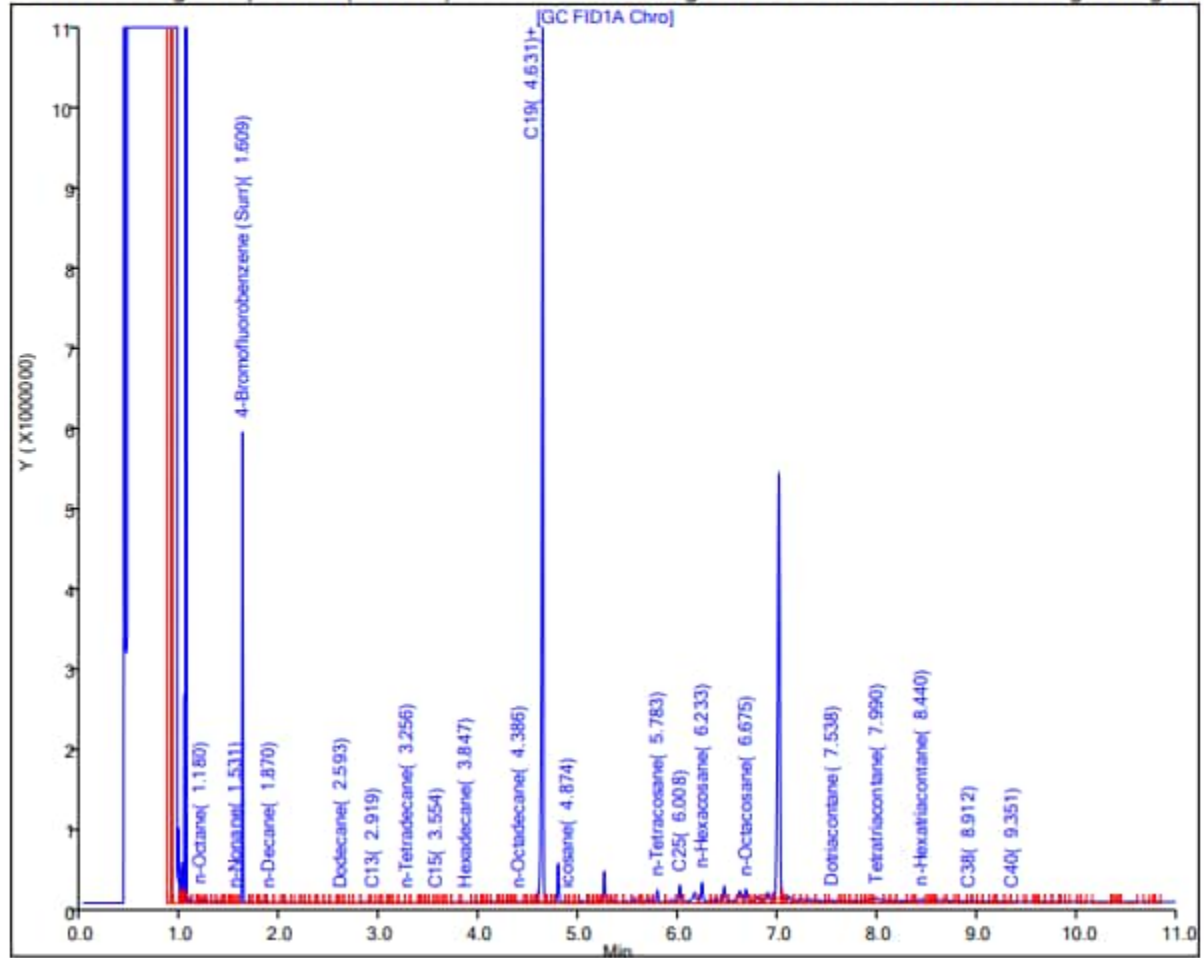
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 UJ

TPH-o SGC (C24 to C40) 180 J

Report Date: 26-Jan-2023 08:12:52

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230125-86822.b\012523A026.D

Injection Date: 25-Jan-2023 22:49:01

Instrument ID: TAC129

Lims ID: 580-122282-N-5-B

Lab Sample ID: 580-122282-5

Client ID: RHMW19-WGN01B-2301WK3

Operator ID: CC

ALS Bottle#: 0

Worklist Smp#: 13

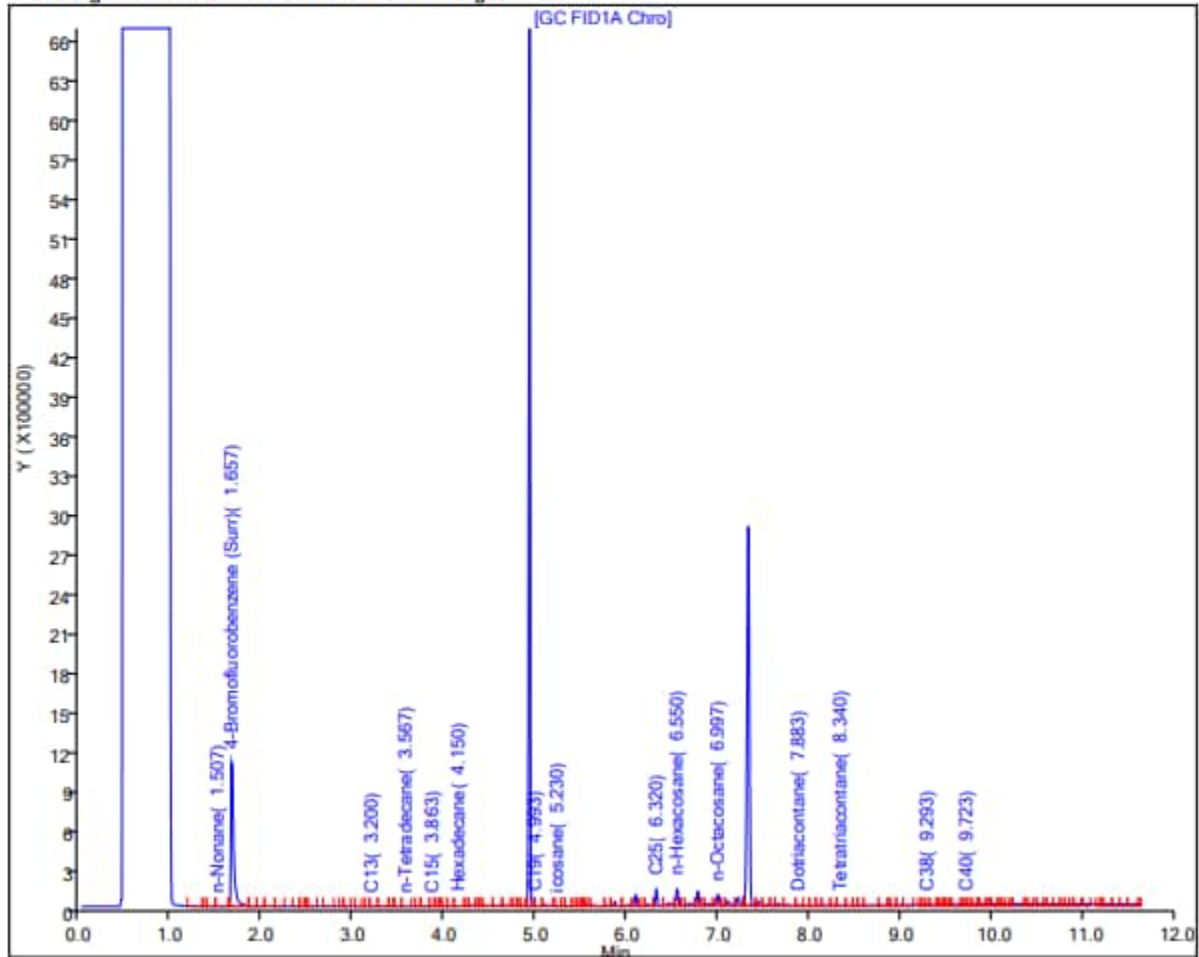
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW19 Sample ID: RHMW19-WGN01B-2301WK4 Sample Date: 1/23/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 73 J TPH-o (C24 to C40) 170 J

Report Date: 31-Jan-2023 11:46:56

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Data File: \\chromfs\Seattle\ChromData\TAC020\20230130-86859.b\013023_023.D

Injection Date: 30-Jan-2023 16:23:35

Instrument ID: TAC020

Lims ID: 580-122632-F-1-A

Lab Sample ID: 580-122632-1

Client ID: RHMW19-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul

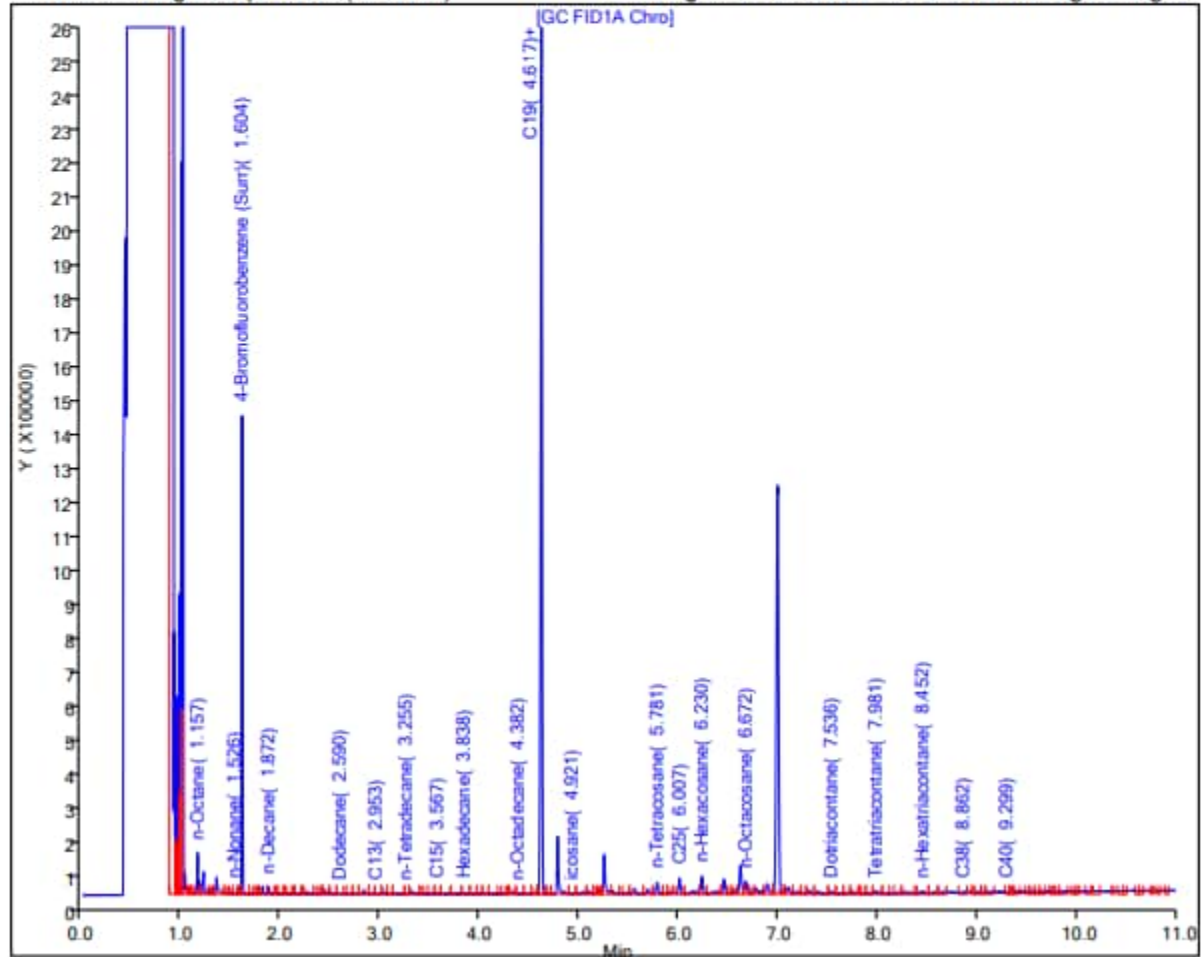
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: RHMW19 Sample ID: RHMW19-WGN01B-2302WK2 Sample Date: 2/13/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <110 U

TPH-o (C24 to C40) <320 U

Report Date: 20-Feb-2023 09:46:11

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230217-87149.b\021723A029.D

Injection Date: 17-Feb-2023 18:02:18

Instrument ID: TAC129_R

Lims ID: 580-123563-O-11-A

Lab Sample ID: 580-123563-11

Client ID: RHMW19-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 10

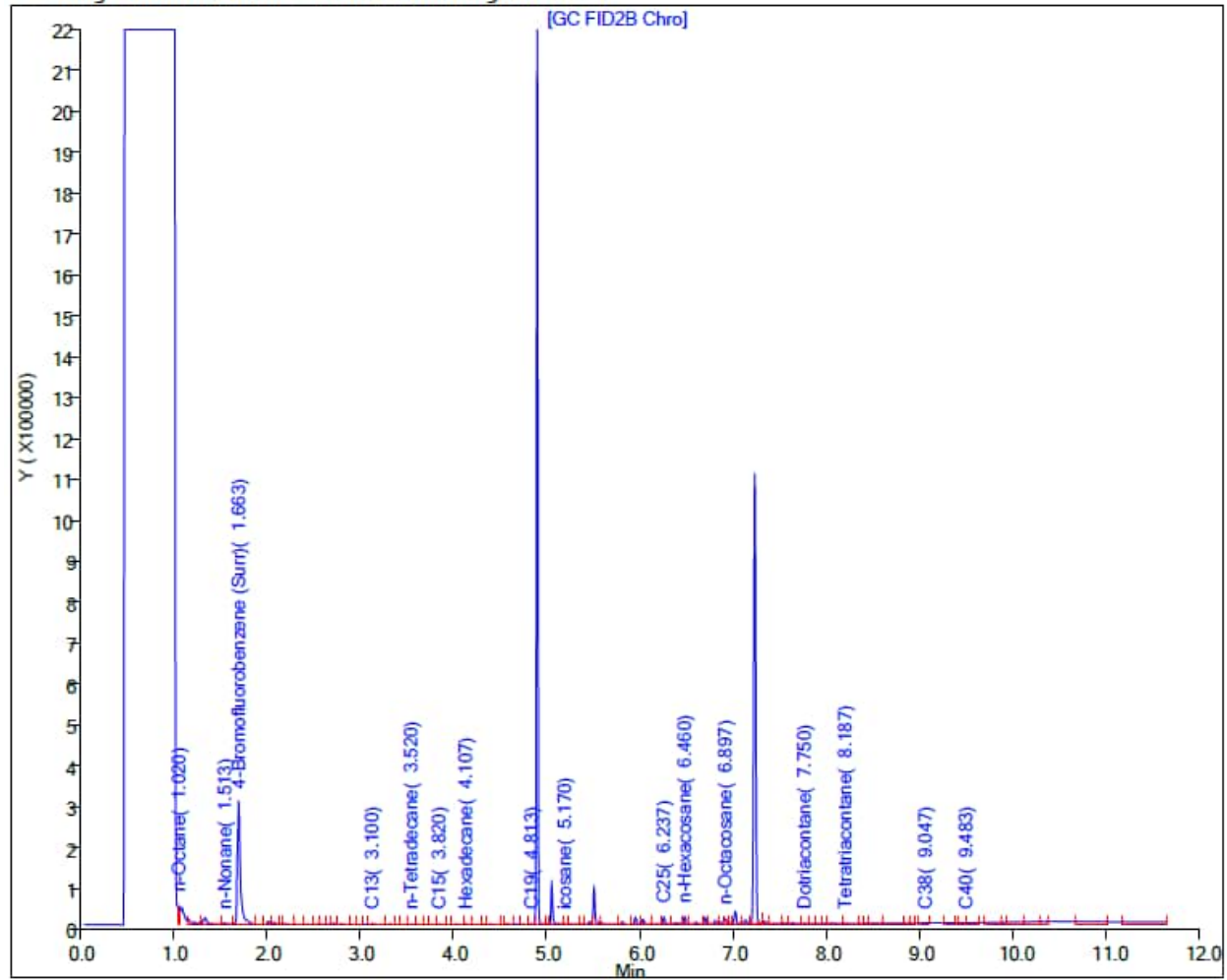
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2211WK1 Sample Date: 11/8/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 140

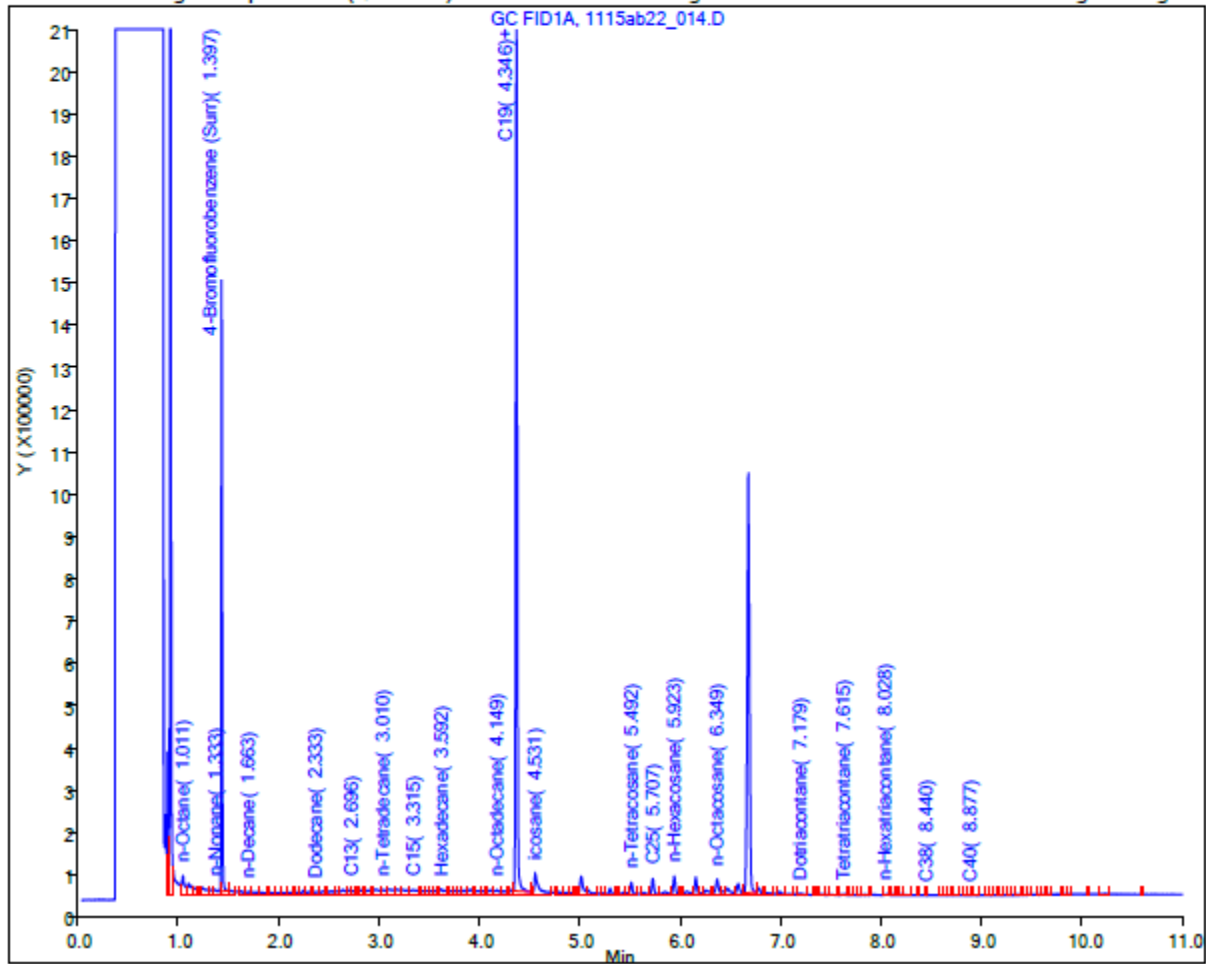
TPH-o (C24 to C40) <310 U

Report Date: 16-Nov-2022 11:23:14

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \chromfs\Seattle\ChromData\TAC020\20221115-85803.b\1115ab22_014.D
Injection Date: 16-Nov-2022 01:47:30 Instrument ID: TAC020
Lims ID: 580-119865-N-1-A Lab Sample ID: 580-119865-1
Client ID: ADIT3-SUMP-WGN01B-2211WK1
Operator ID: DH ALS Bottle#: 13 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) 260

TPH-o SGC (C24 to C40) <310 U

Report Date: 16-Nov-2022 11:22:30

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221115-85803.b\1115ab22_008.D

Injection Date: 15-Nov-2022 23:46:30

Instrument ID: TAC020

Lims ID: 580-119865-N-1-B

Lab Sample ID: 580-119865-1

Client ID: ADIT3-SUMP-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 7 Worklist Smp#: 24

Injection Vol: 1.0 ul

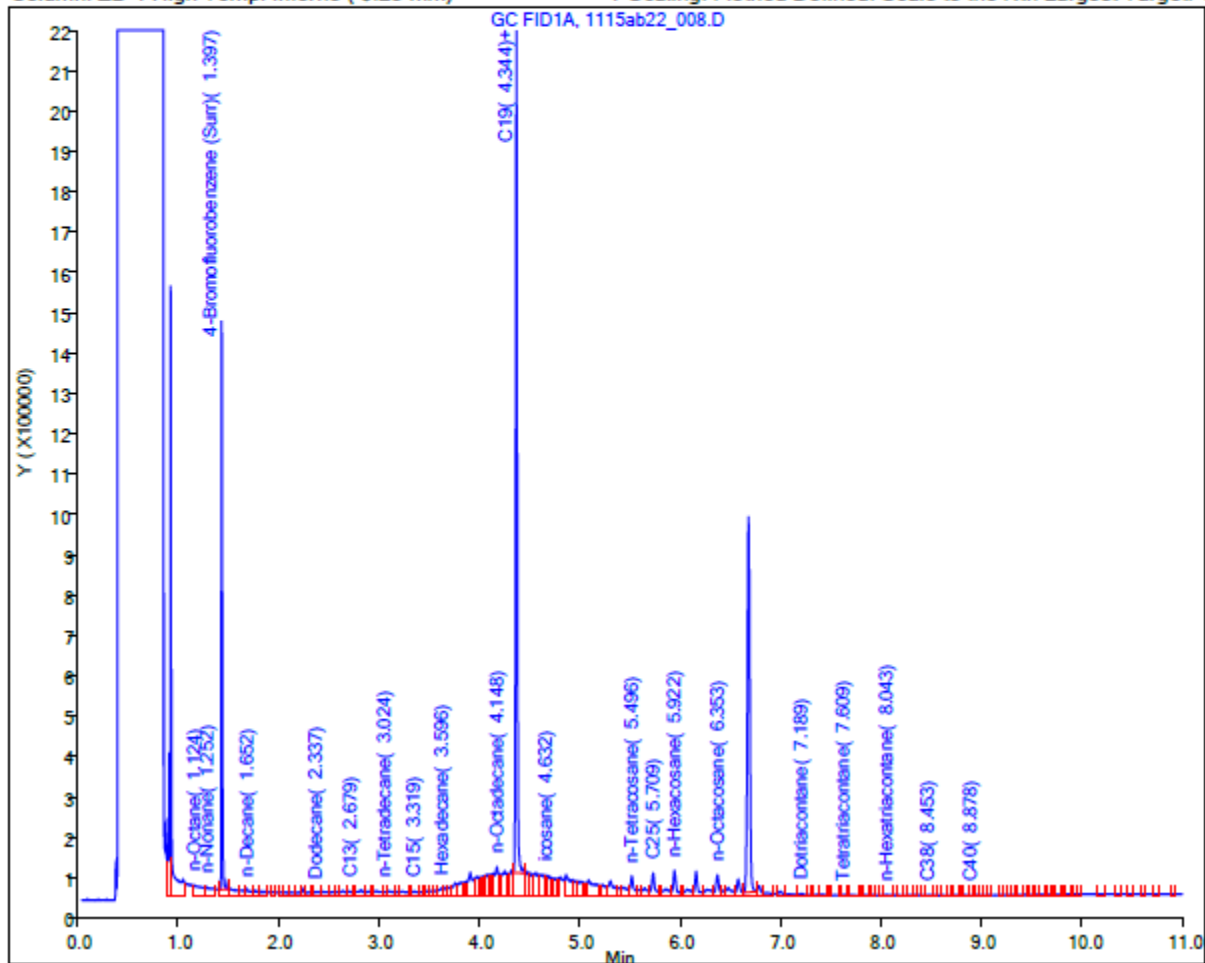
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN02B-2211WK1 Sample Date: 11/10/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 91 J TPH-o (C24 to C40) <300 U

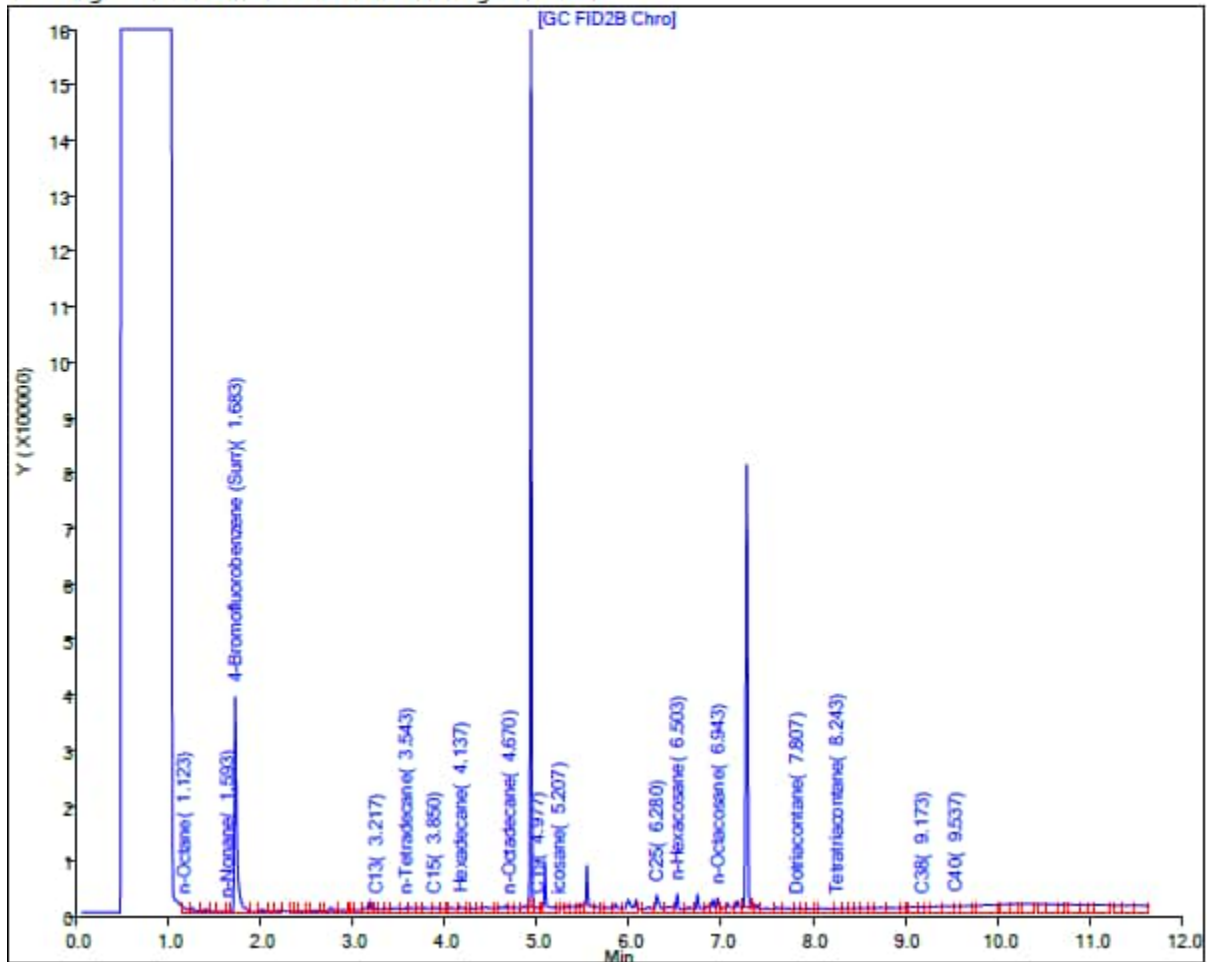
Report Date: 17-Nov-2022 11:55:13

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A051.D
Injection Date: 17-Nov-2022 05:48:40 Instrument ID: TAC129_R
Lims ID: 580-119967-O-1-A Lab Sample ID: 580-119967-1
Client ID: ADIT3-SUMP-WGN02B-2211WK1
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 55
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 140 J+

TPH-o SGC (C24 to C40) 230 J

Report Date: 28-Nov-2022 15:09:32

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221128-85975.b\112822A008.D

Injection Date: 28-Nov-2022 14:19:00

Instrument ID: TAC129

Lims ID: 580-119967-O-1-B

Lab Sample ID: 580-119967-1

Client ID: ADIT3-SUMP-WGN02B-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 26

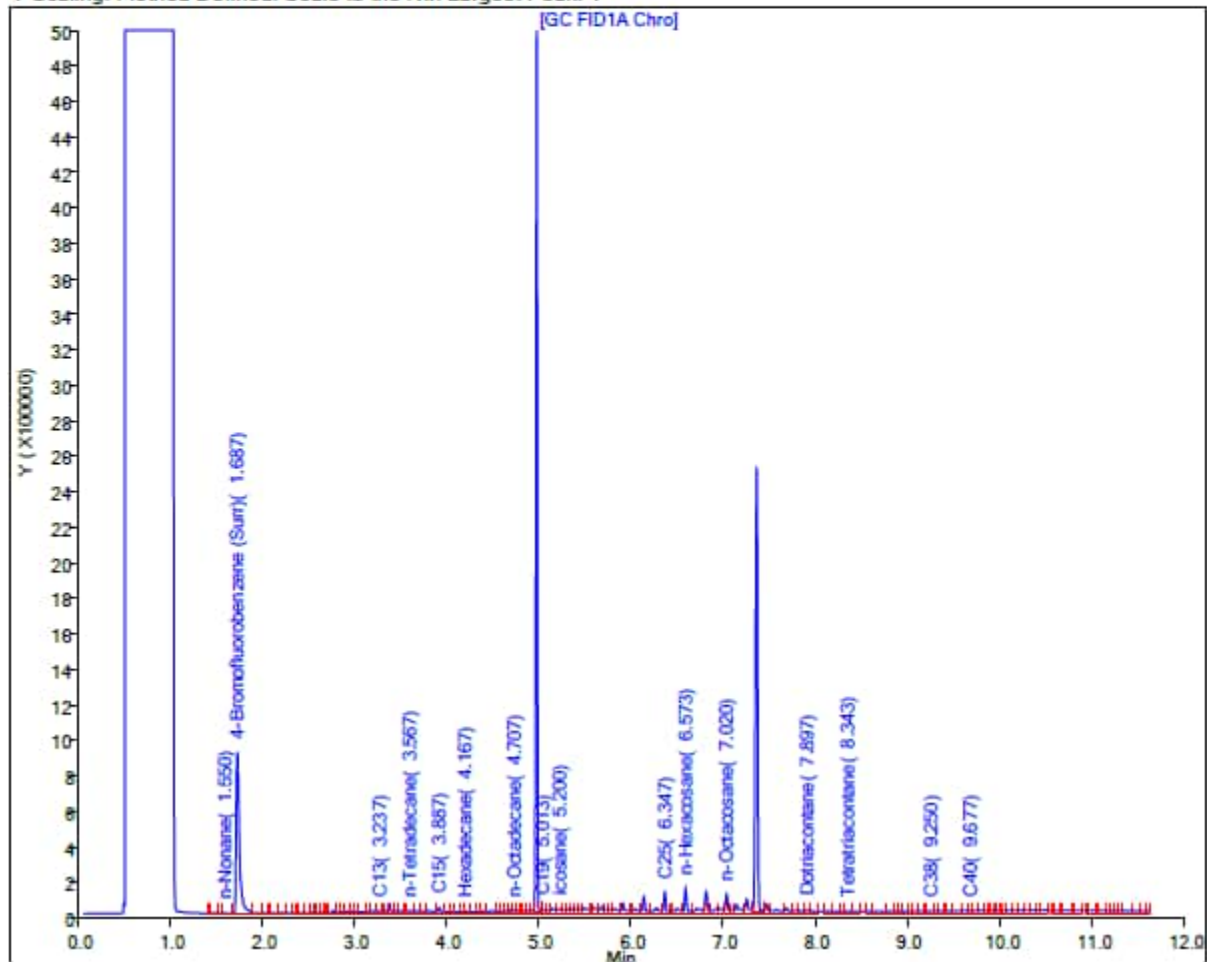
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2211WK2 Sample Date: 11/15/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 190

TPH-o (C24 to C40) <300 U

Report Date: 18-Nov-2022 20:35:44

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_059.D

Injection Date: 18-Nov-2022 15:05:30

Instrument ID: TAC020

Lims ID: 580-120073-N-3-A

Lab Sample ID: 580-120073-3

Client ID: ADIT3-SUMP-WGN01B-2211WK2

Operator ID: DH/CC

ALS Bottle#: 58 Worklist Smp#: 61

Injection Vol: 1.0 ul

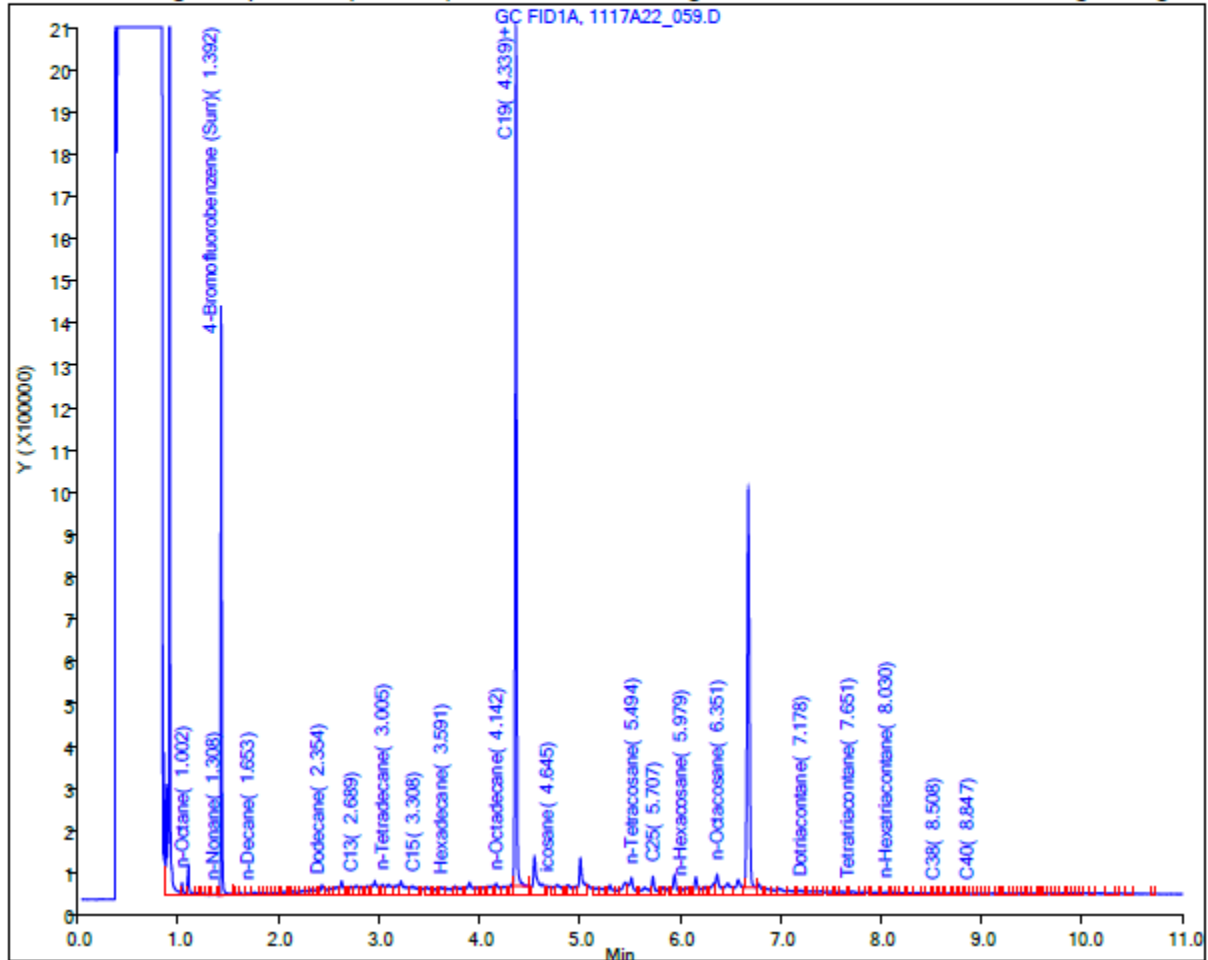
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) 88 J

TPH-o SGC (C24 to C40) <300 U

Report Date: 22-Nov-2022 15:06:29

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_046.D

Injection Date: 22-Nov-2022 08:46:30

Instrument ID: TAC020

Lims ID: 580-120073-N-3-C

Lab Sample ID: 580-120073-3

Client ID: ADIT3-SUMP-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#: 45 Worklist Smp#: 44

Injection Vol: 1.0 ul

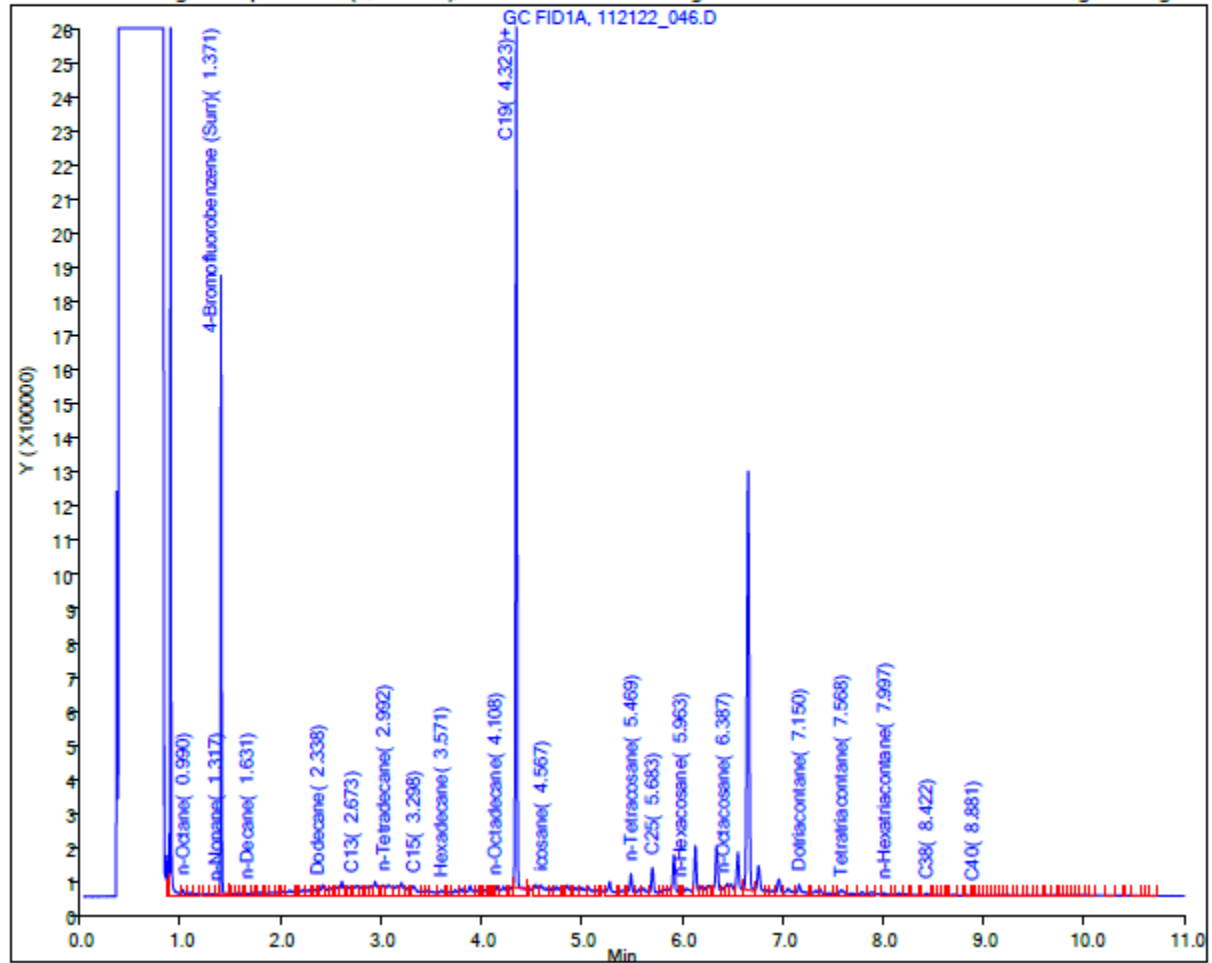
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN02B-2211WK2 Sample Date: 11/17/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 70 J

TPH-o (C24 to C40) <310 U

Report Date: 23-Nov-2022 17:52:31

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221123-85945_b\112322A013.D

Injection Date: 23-Nov-2022 16:25:04

Instrument ID: TAC129_R

Lims ID: 580-120199-N-1-A

Lab Sample ID: 580-120199-1

Client ID: ADIT3-SUMP-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 27

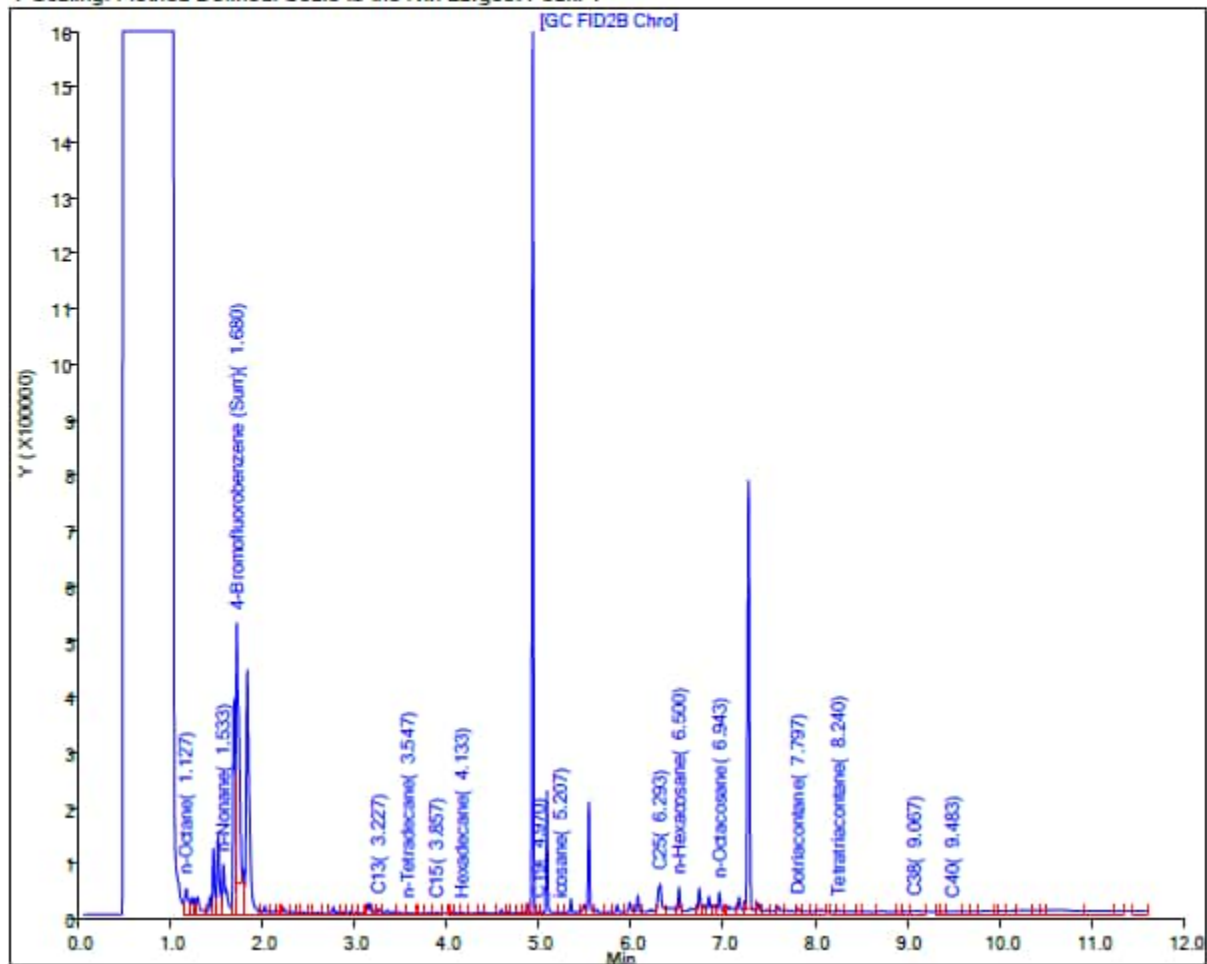
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 130

TPH-o SGC (C24 to C40) <310 U

Report Date: 30-Nov-2022 14:20:54

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221129-86014.b\112922_010.D

Injection Date: 29-Nov-2022 21:43:30

Instrument ID: TAC020

Lims ID: 580-120199-N-1-B

Lab Sample ID: 580-120199-1

Client ID: ADIT3-SUMP-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

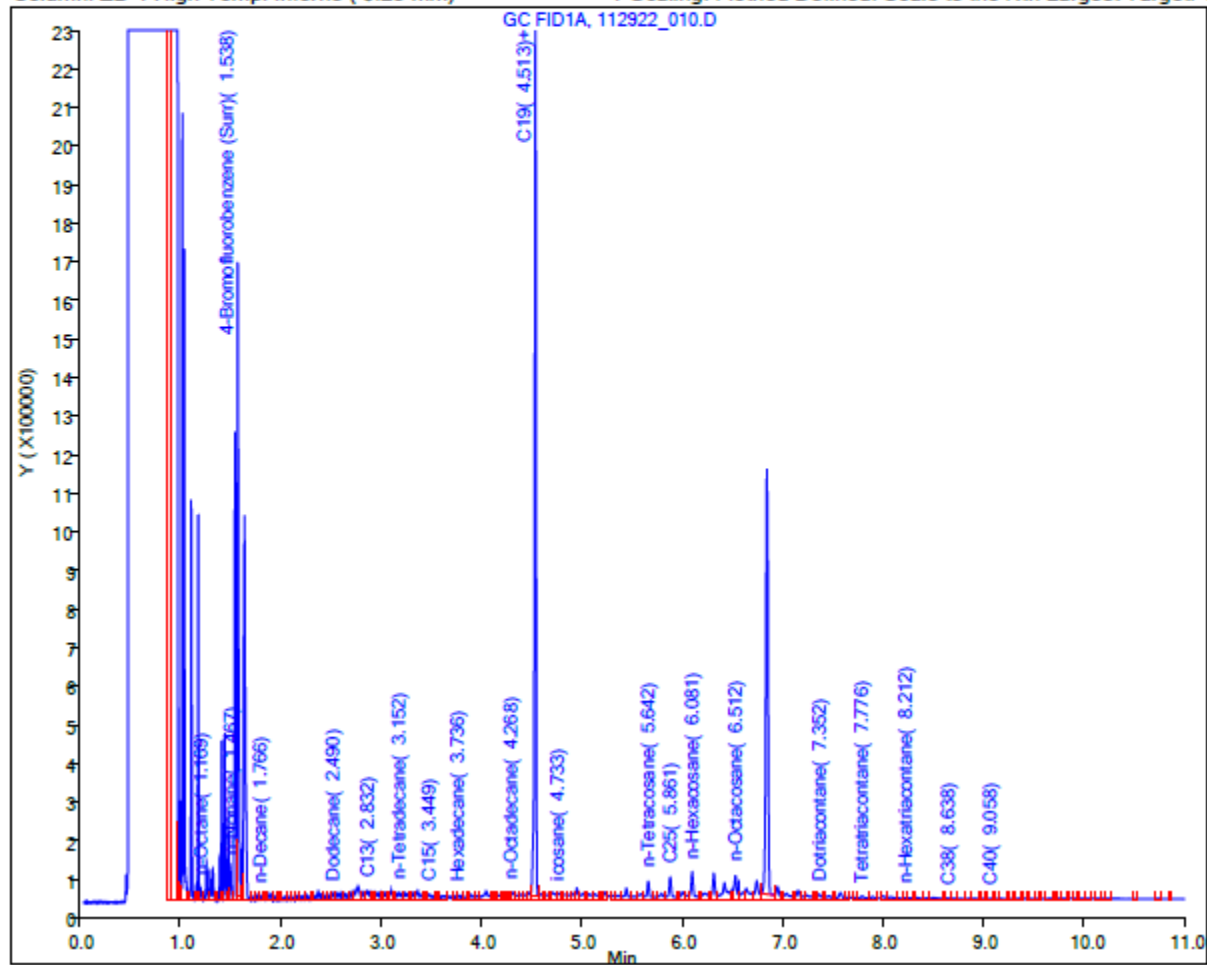
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2211WK4 Sample Date: 12/1/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

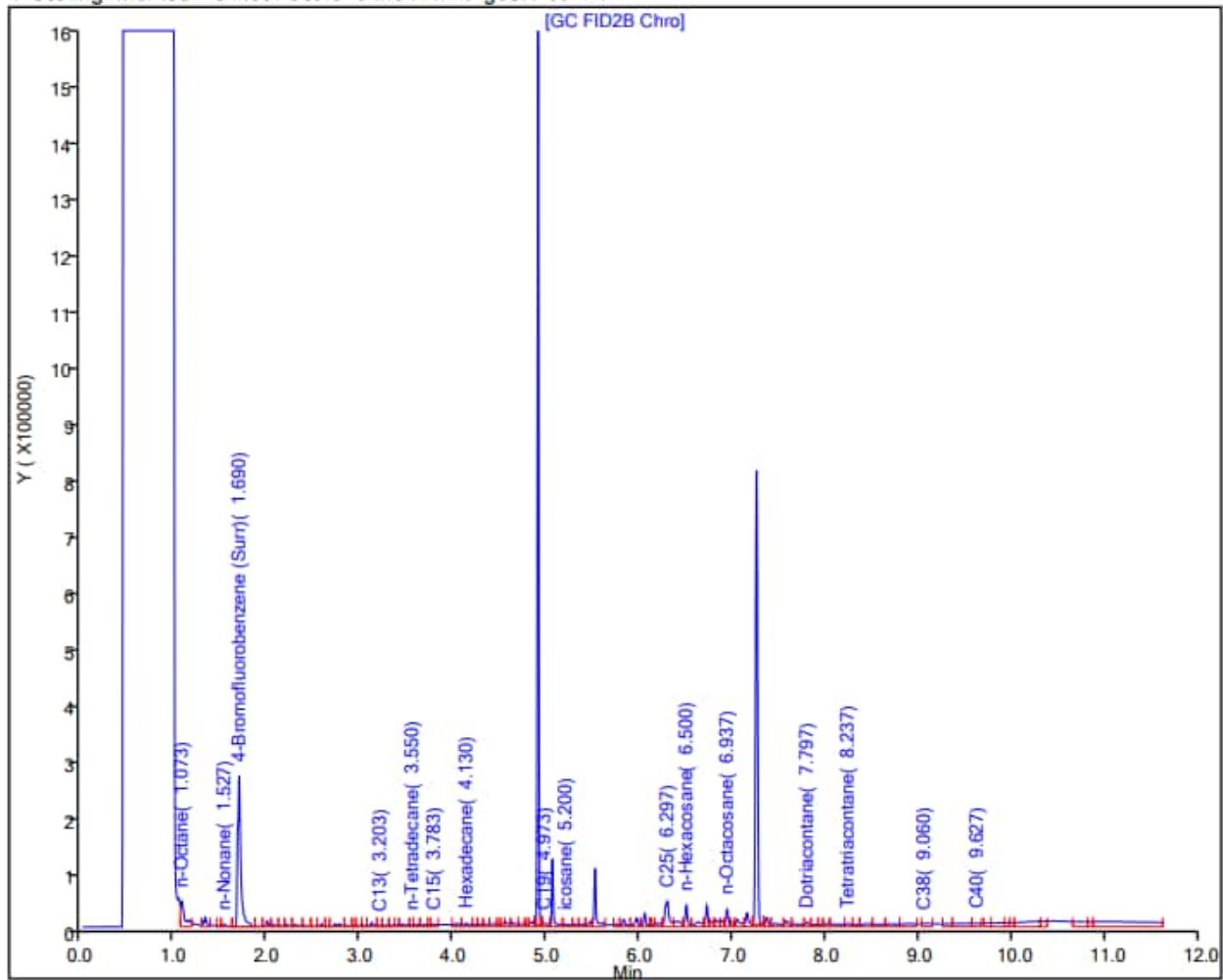
TPH-o (C24 to C40) <300 U

Report Date: 07-Dec-2022 13:01:03

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221206-86139.b\120622A055.D
Injection Date: 07-Dec-2022 04:51:31 Instrument ID: TAC129_R
Lims ID: 580-120757-O-5-A Lab Sample ID: 580-120757-5
Client ID: ADIT3-SUMP-WGN01B-2211WK4
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2212WK3 Sample Date: 12/21/2022

Lab: Eurofins Seattle

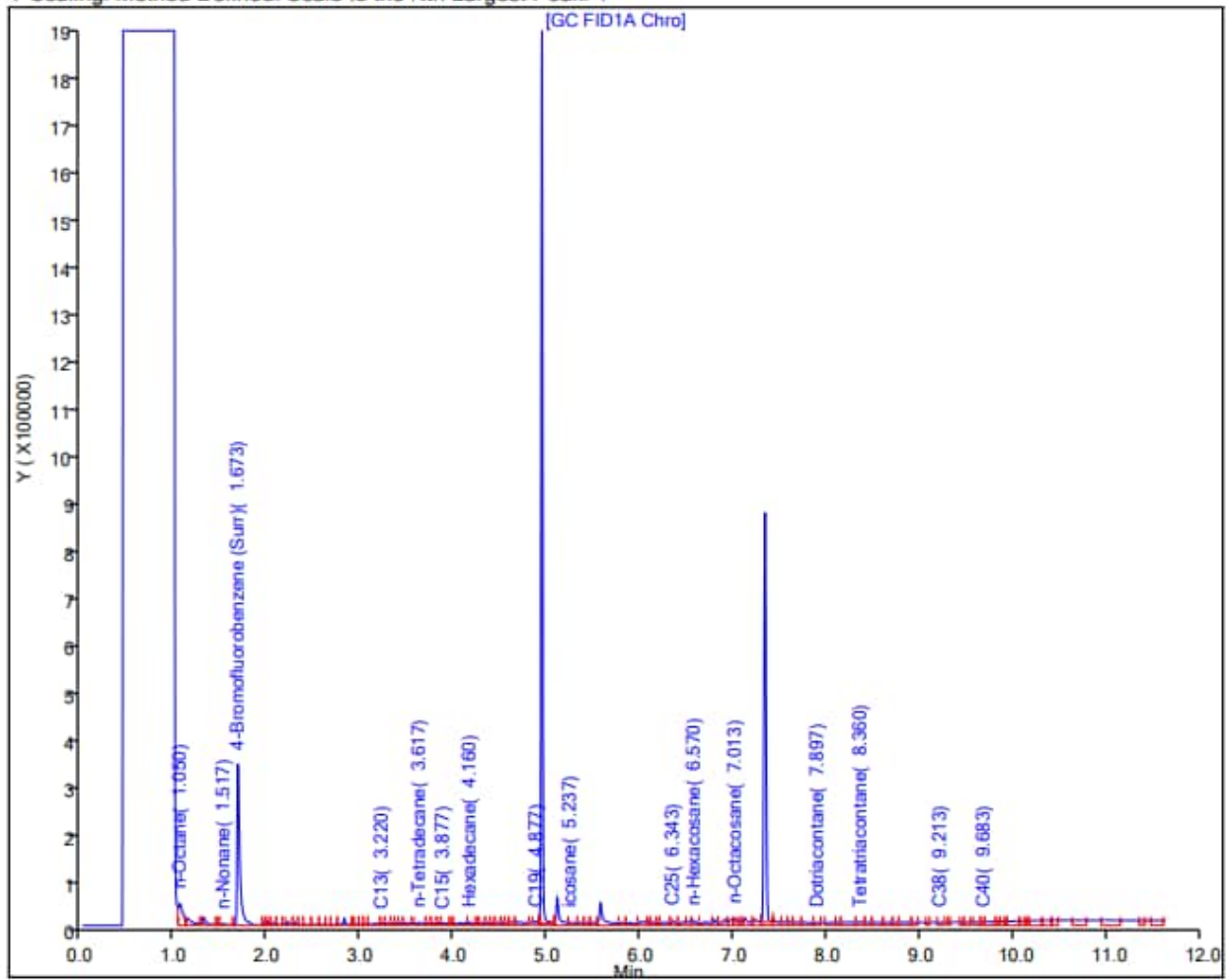
Results (ug/L): TPH-d (C10 to C24) <100

TPH-o (C24 to C40) <310 U

Report Date: 29-Dec-2022 14:40:42

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20221228-86432.b\122822A066.D
Injection Date: 29-Dec-2022 08:16:58 Instrument ID: TAC129
Lims ID: 580-121570-F-14-A Lab Sample ID: 580-121570-14
Client ID: ADIT3-SUMP-WGN01B-2212WK3
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2212WK4 Sample Date: 12/29/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 11-Jan-2023 14:11:34

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A029.D

Injection Date: 06-Jan-2023 17:14:54

Instrument ID: TAC129_R

Lims ID: 580-121697-E-4-A

Lab Sample ID: 580-121697-4

Client ID: ADIT3-SUMP-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 44

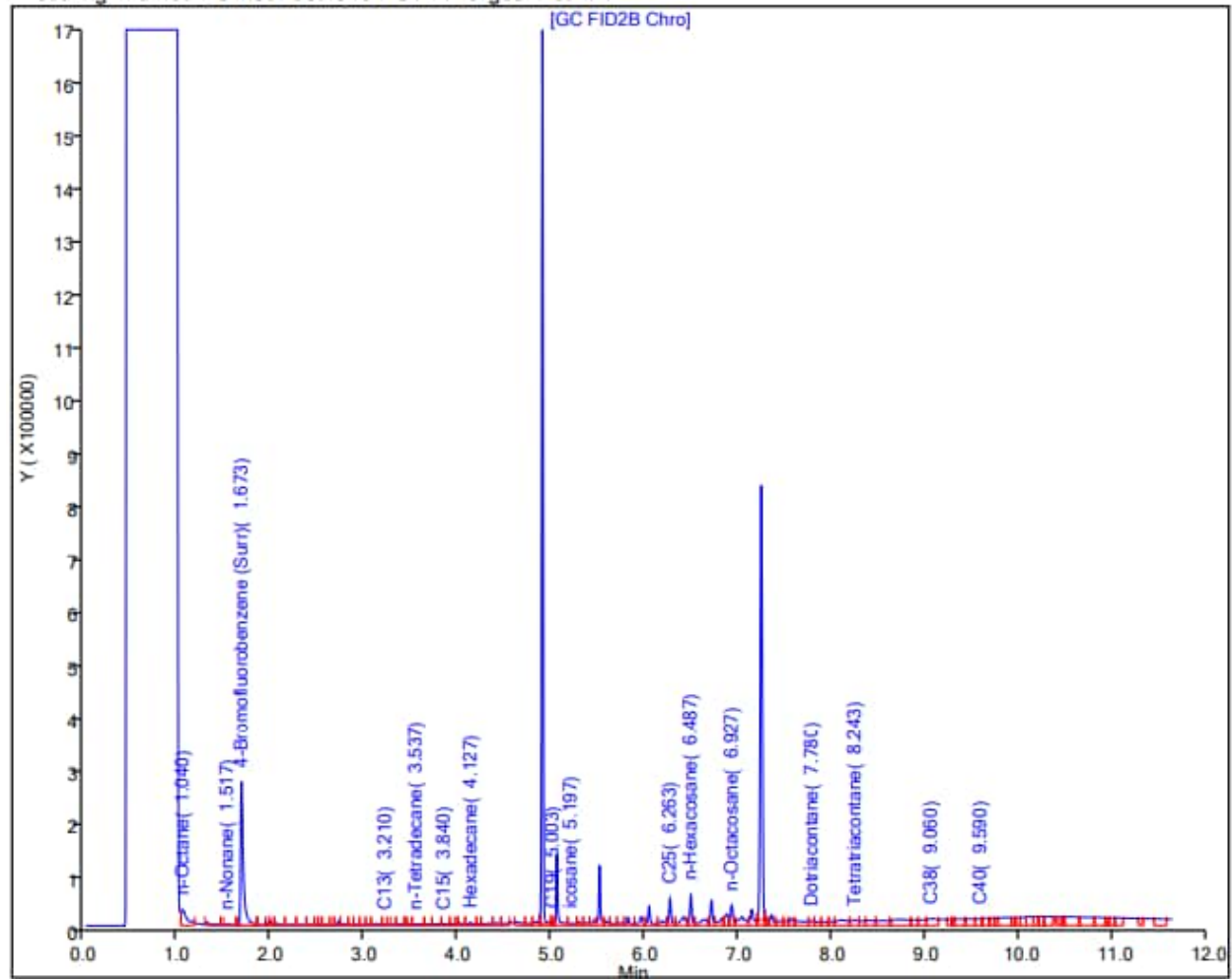
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2301WK2 Sample Date: 1/11/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 19-Jan-2023 08:08:11

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230118-86742.b\011823A050.D

Injection Date: 19-Jan-2023 01:29:00

Instrument ID: TAC129

Lims ID: 580-122214-N-1-A

Lab Sample ID: 580-122214-1

Client ID: ADIT3-SUMP-WGN01B-2301WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 25

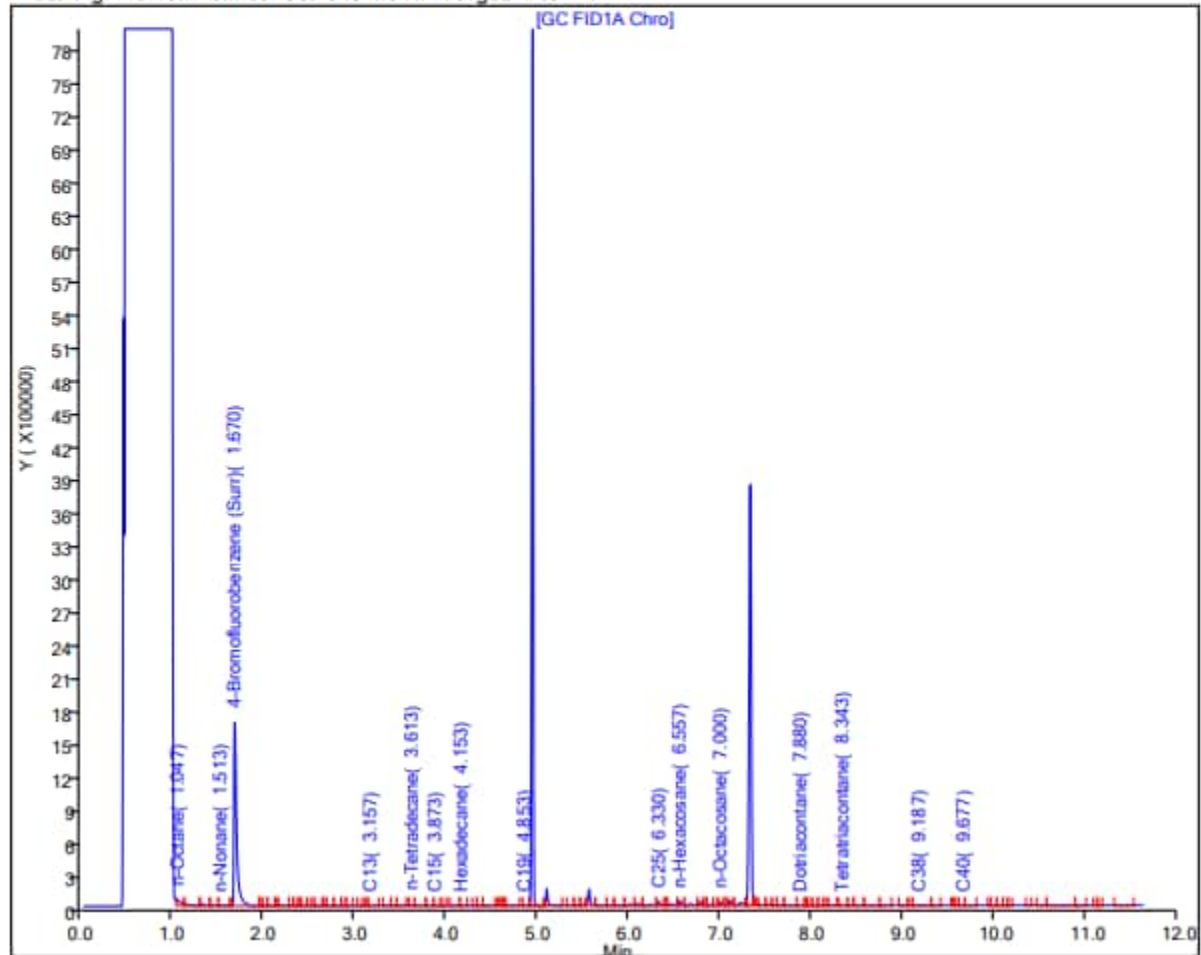
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2301WK3 Sample Date: 1/18/2023

Lab: Eurofins Seattle

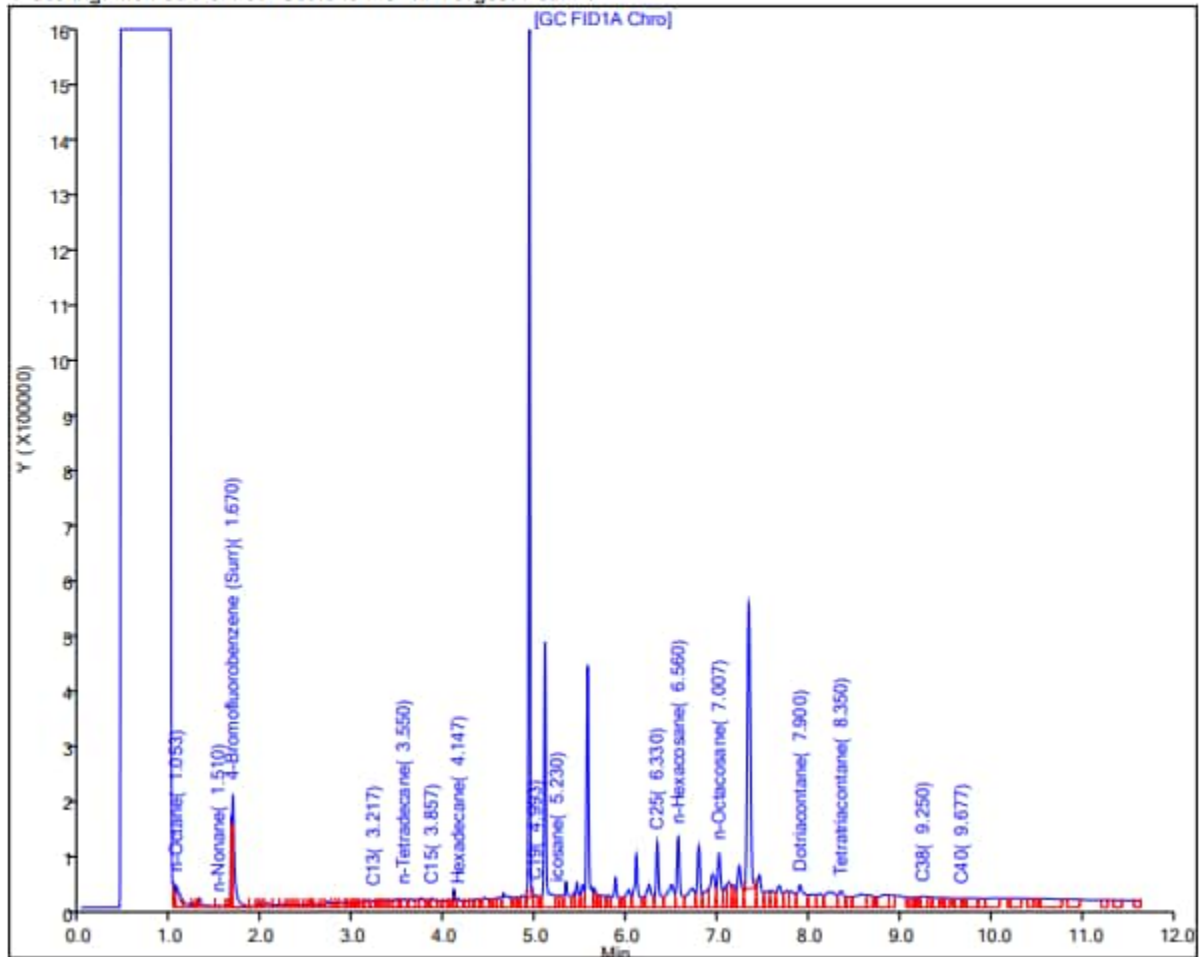
Results (ug/L): TPH-d (C10 to C24) 210

TPH-o (C24 to C40) 350 J

Report Date: 27-Jan-2023 10:15:54

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230126-86830.b\0126a23A056.D
Injection Date: 26-Jan-2023 22:52:11 Instrument ID: TAC129
Lims ID: 580-122498-N-9-A Lab Sample ID: 580-122498-9
Client ID: ADIT3-SUMP-WGN01B-2301WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 120

TPH-o SGC (C24 to C40) 270 J

Report Date: 31-Jan-2023 11:49:04

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230130-86860.b\013023A016.D

Injection Date: 30-Jan-2023 14:49:57

Instrument ID: TAC129

Lims ID: 580-122498-N-9-B

Lab Sample ID: 580-122498-9

Client ID: ADIT3-SUMP-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 8

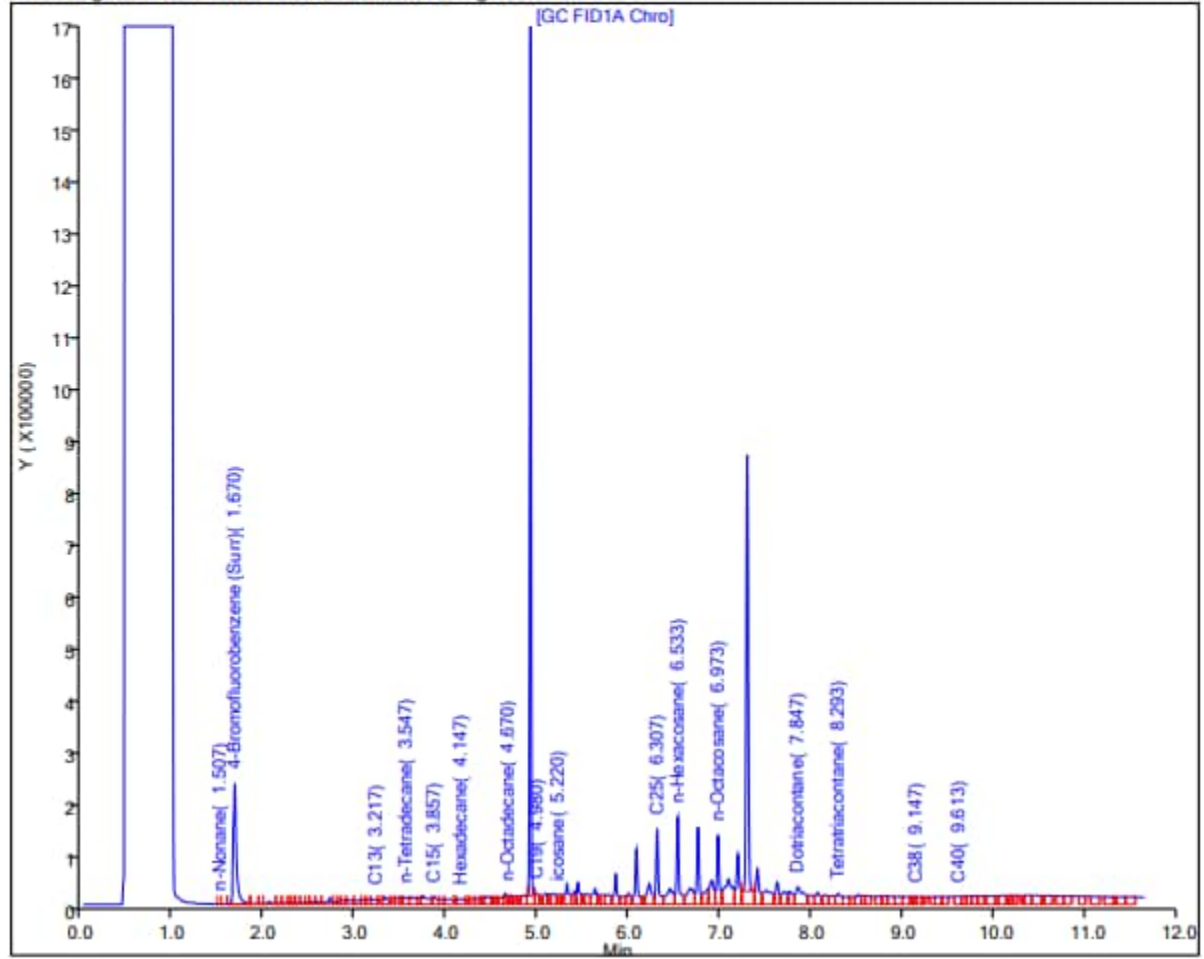
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2301WK4 Sample Date: 1/26/2023

Lab: Eurofins Seattle

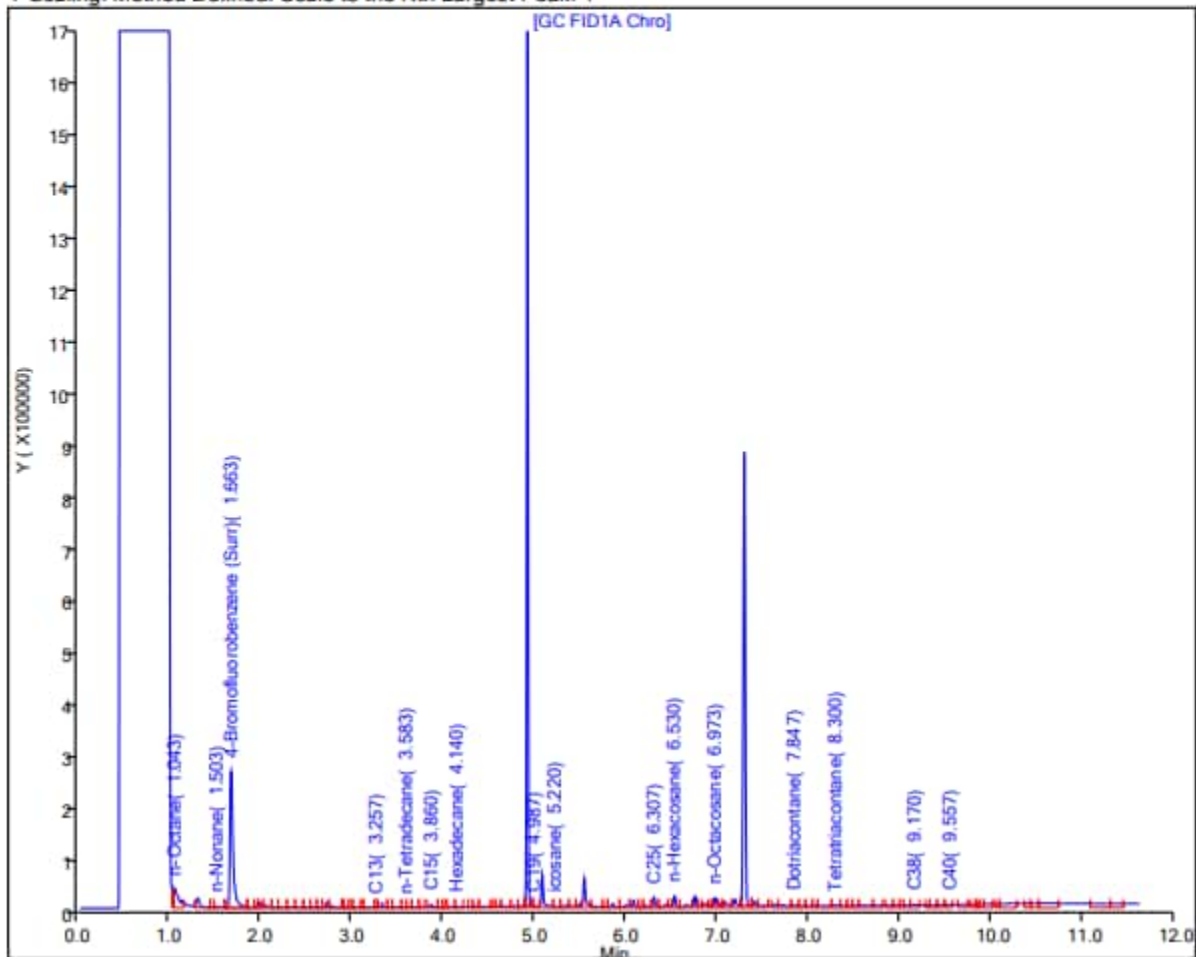
Results (ug/L): TPH-d (C10 to C24) <110 U

TPH-o (C24 to C40) <330 U

Report Date: 03-Feb-2023 08:35:42

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230202-86915.b\020223A038.D
Injection Date: 02-Feb-2023 15:21:54 Instrument ID: TAC129
Lims ID: 580-122801-N-8-A Lab Sample ID: 580-122801-8
Client ID: ADIT3-SUMP-WGN01B-2301WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2302WK2 Sample Date: 2/15/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100

TPH-o (C24 to C40) <310 U

Report Date: 21-Feb-2023 08:28:14

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230220-87172.b\0220a23_016.D

Injection Date: 20-Feb-2023 22:54:11

Instrument ID: TAC020

Lims ID: 580-123676-N-3-A

Lab Sample ID: 580-123676-3

Client ID: ADIT3-SUMP-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul

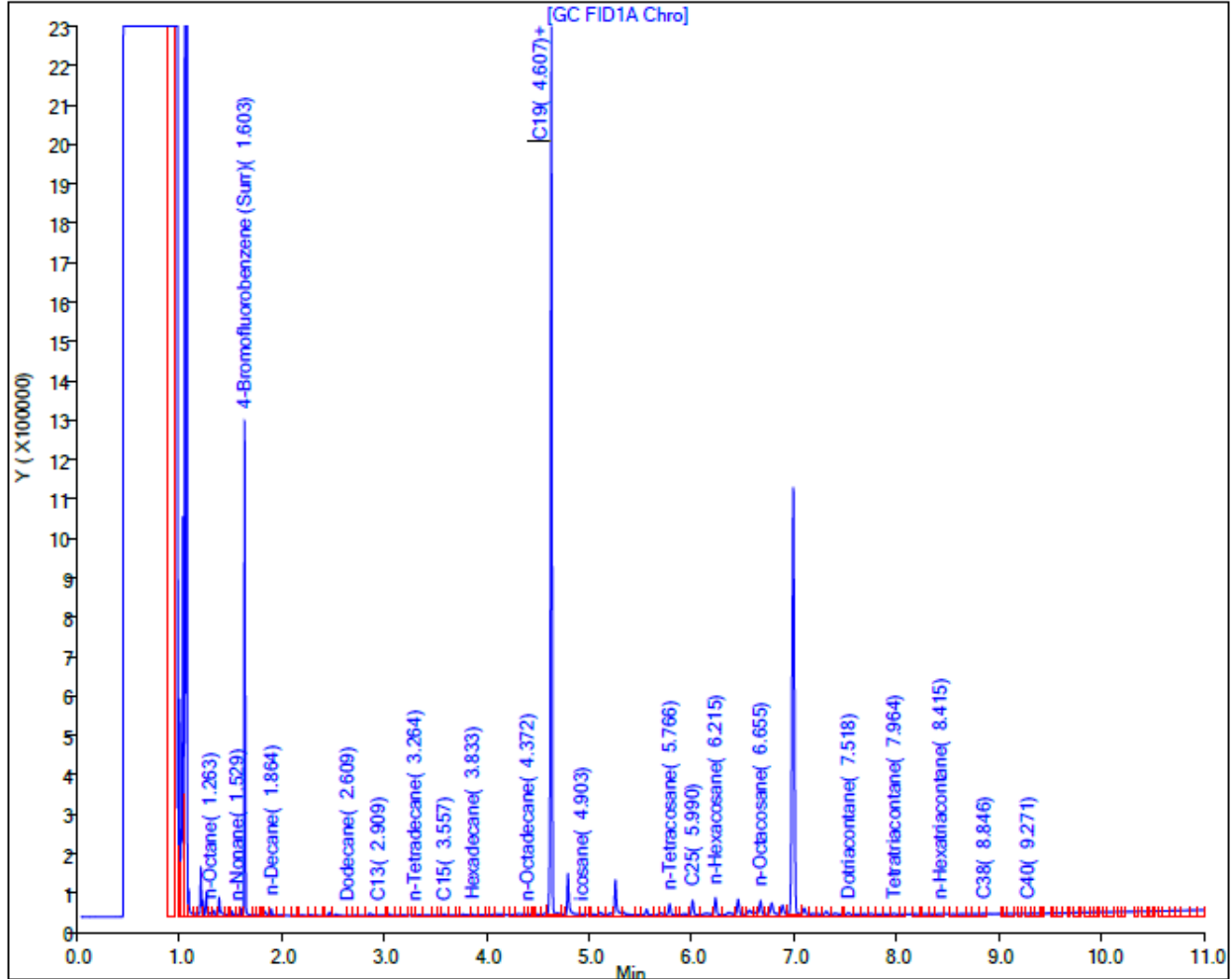
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2302WK3 Sample Date: 2/22/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <110 U

TPH-o (C24 to C40) <320 U

Report Date: 02-Mar-2023 19:58:50

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129\20230302-87325.b\030223A014.D

Injection Date: 02-Mar-2023 18:49:58

Instrument ID: TAC129

Lims ID: 580-123942-N-1-A

Lab Sample ID: 580-123942-1

Client ID: ADIT3-SUMP-WGN01B-2302WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 7

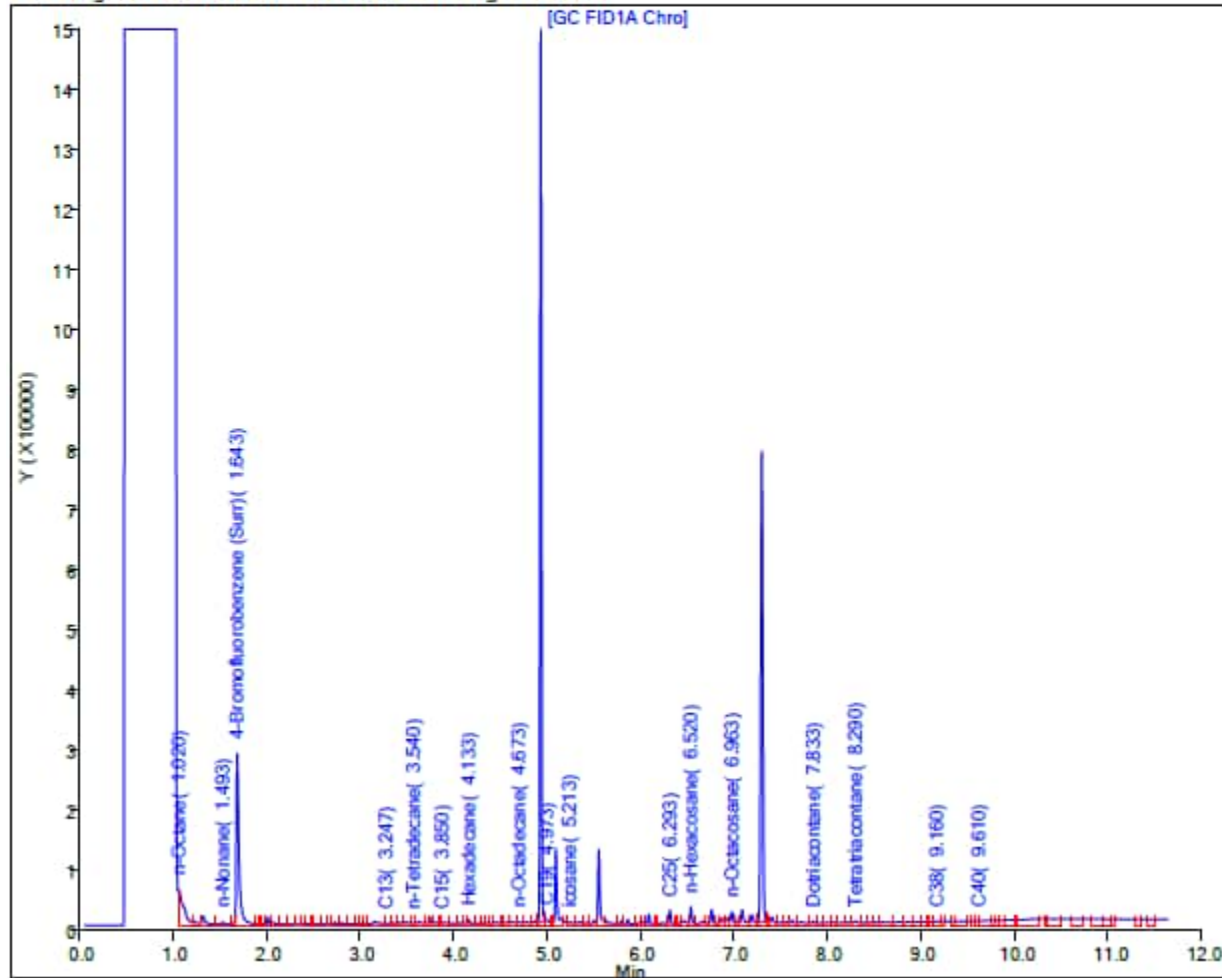
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2302WK4 Sample Date: 3/1/2023

Lab: Eurofins Seattle

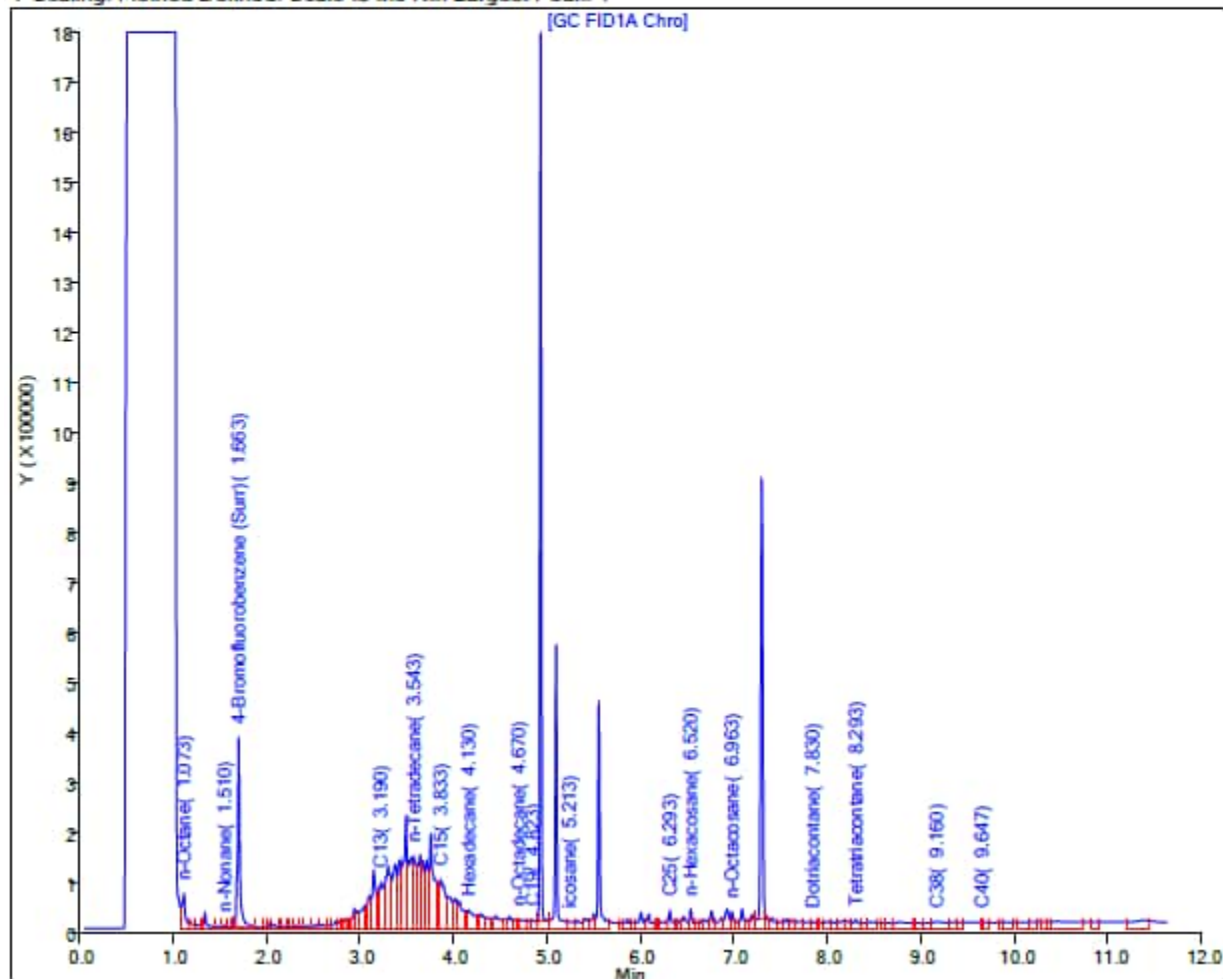
Results (ug/L): TPH-d (C10 to C24) 490

TPH-o (C24 to C40) <310 U

Report Date: 07-Mar-2023 11:56:18

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230306-87363.b\030623A052.D
Injection Date: 06-Mar-2023 20:15:09 Instrument ID: TAC129
Lims ID: 580-124172-N-1-A Lab Sample ID: 580-124172-1
Client ID: ADIT3-SUMP-WGN01B-2302WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 320

TPH-o SGC (C24 to C40) <310 U

Report Date: 07-Mar-2023 17:41:13

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A048.D

Injection Date: 07-Mar-2023 17:05:42

Instrument ID: TAC129

Lims ID: 580-124172-N-1-B

Lab Sample ID: 580-124172-1

Client ID: ADIT3-SUMP-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 22

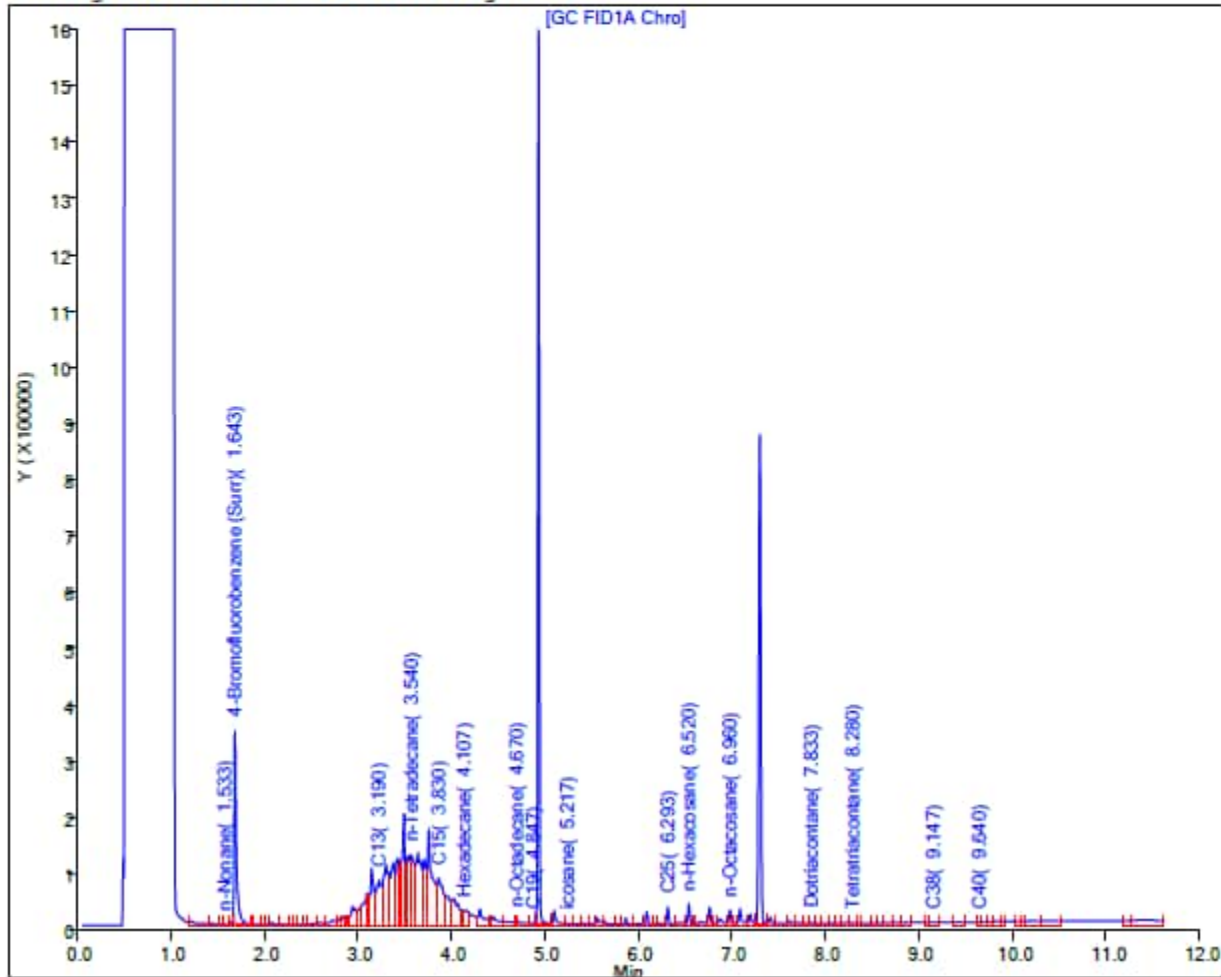
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: OWDFMW01 Sample ID: OWDFMW01-WGN01LF-2211WK1 Sample Date: 11/9/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 17-Nov-2022 11:54:59

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A035.D

Injection Date: 17-Nov-2022 03:21:16

Instrument ID: TAC129_R

Lims ID: 580-119958-O-8-A

Lab Sample ID: 580-119958-8

Client ID: OWDFMW01-WGN01LF-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 47

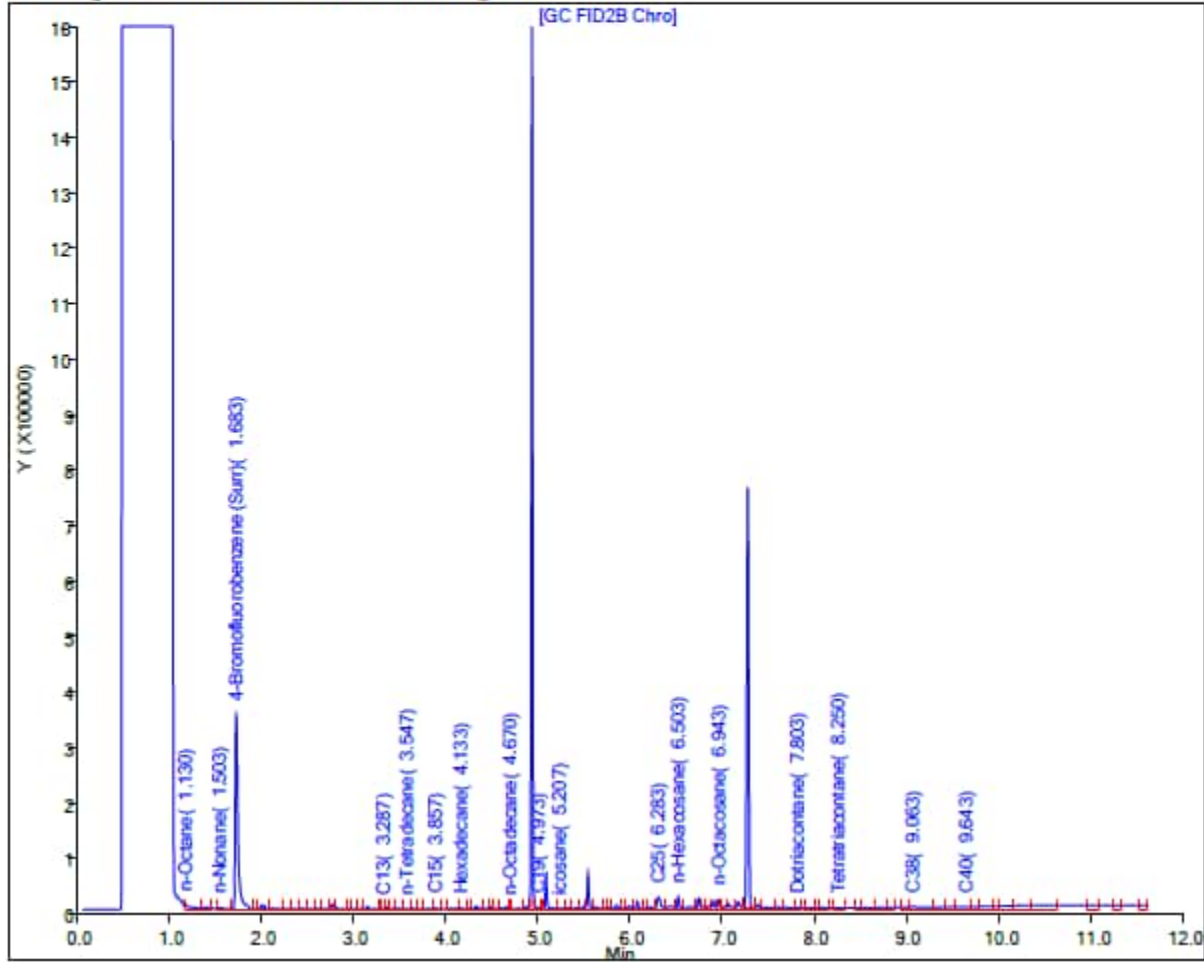
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW01 Sample ID: OWDFMW01-WGN01LF-2211WK2 Sample Date: 11/16/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 74 J

TPH-o (C24 to C40) <300 U

Report Date: 22-Nov-2022 14:57:46

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_011.D

Injection Date: 21-Nov-2022 21:01:30

Instrument ID: TAC020

Lims ID: 580-120140-N-3-A

Lab Sample ID: 580-120140-3

Client ID: OWDFMW01-WGN01LF-2211WK2

Operator ID: DH

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

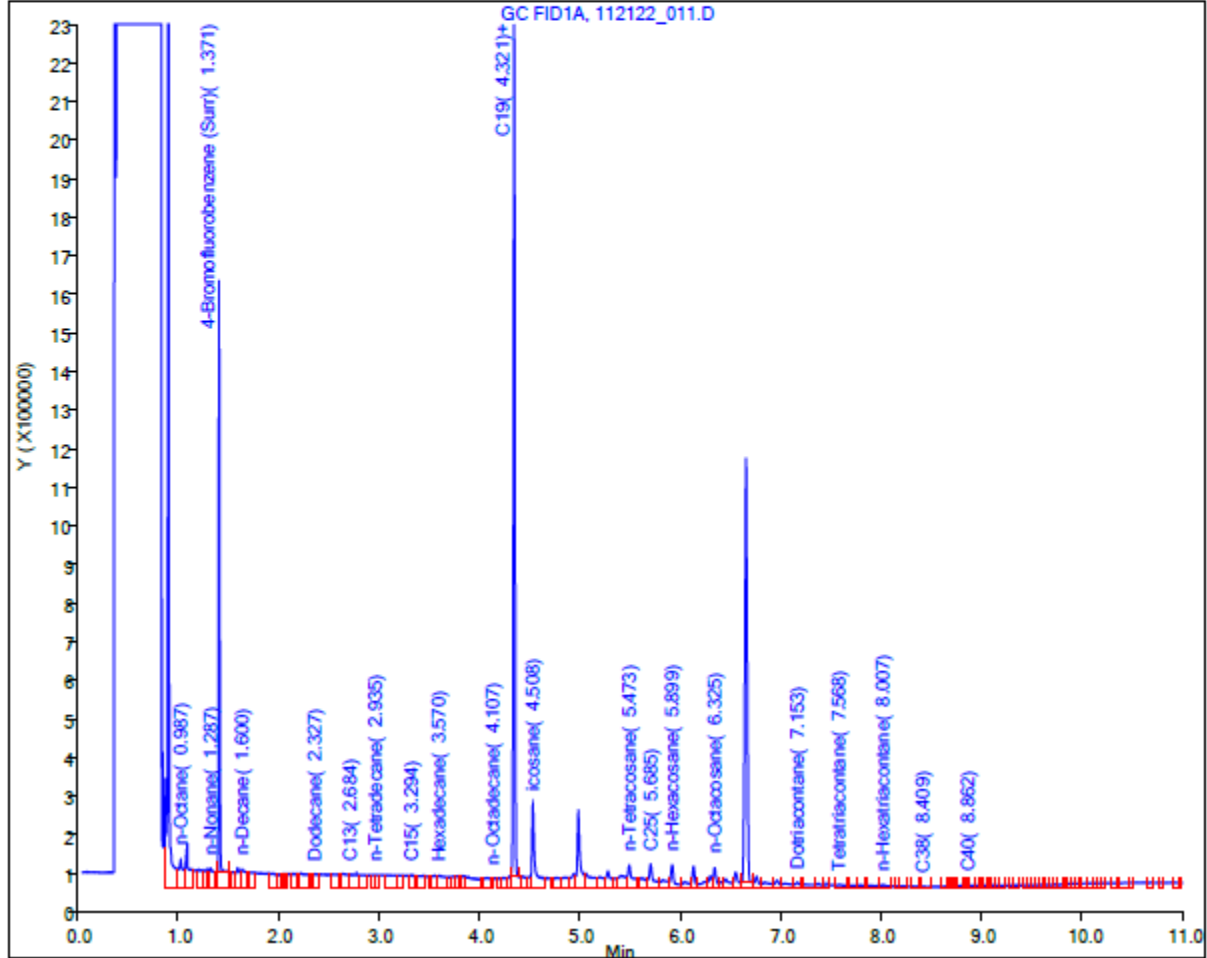
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 23-Nov-2022 12:59:26

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221122-85928.b\1122ab22A025.D

Injection Date: 22-Nov-2022 20:26:29

Instrument ID: TAC129_R

Lims ID: 580-120140-N-3-C

Lab Sample ID: 580-120140-3

Client ID: OWDFMW01-WGN01LF-2211WK2

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 23

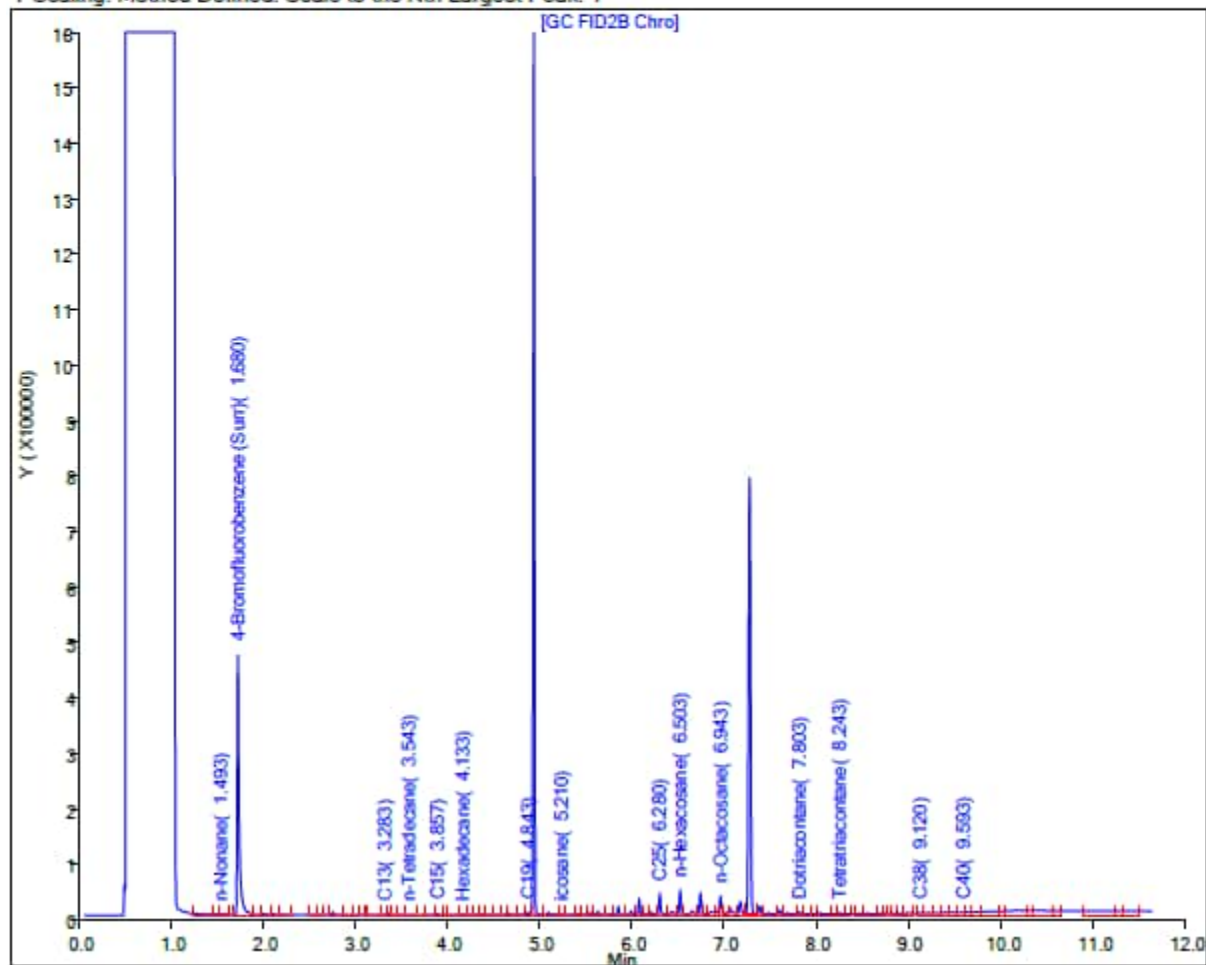
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: OWDFMW01 Sample ID: OWDFMW01-WGN02LF-2211WK3 Sample Date: 11/23/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 01-Dec-2022 15:38:51

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221130-86038.b\1130a22_013.D

Injection Date: 01-Dec-2022 01:08:30

Instrument ID: TAC020

Lims ID: 580-120438-N-8-A

Lab Sample ID: 580-120438-8

Client ID: OWDFMW01-WGN02LF-2211WK3

Operator ID: DH

ALS Bottle#: 13

Worklist Smp#: 33

Injection Vol: 1.0 ul

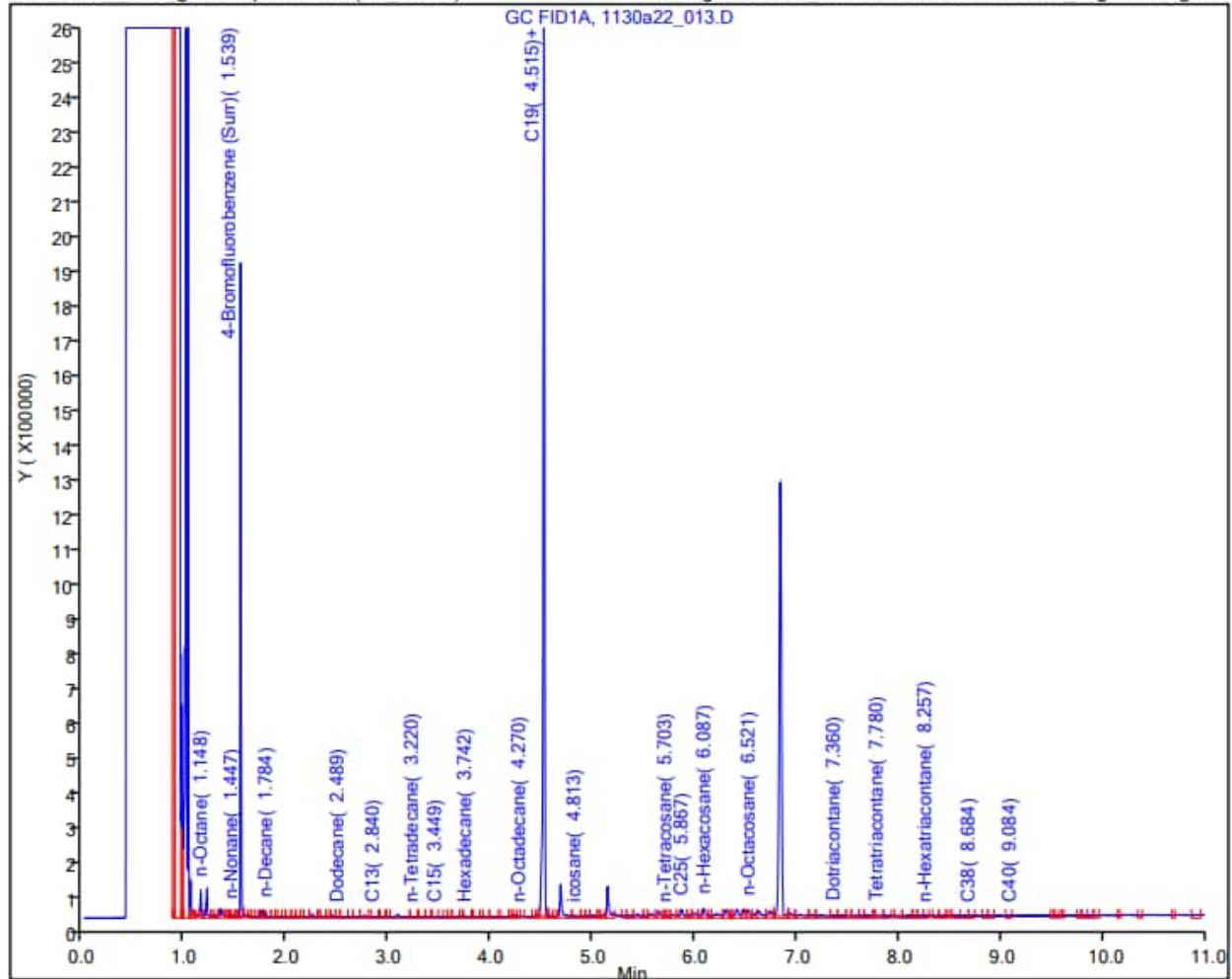
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW01 Sample ID: OWDFMW01-WGN01LF-2211WK4 Sample Date: 11/30/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 05-Dec-2022 14:25:30

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A035.D

Injection Date: 03-Dec-2022 23:21:48

Instrument ID: TAC129_R

Lims ID: 580-120593-O-1-A

Lab Sample ID: 580-120593-1

Client ID: OWDFMW01-WGN01LF-2211WK4

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 18

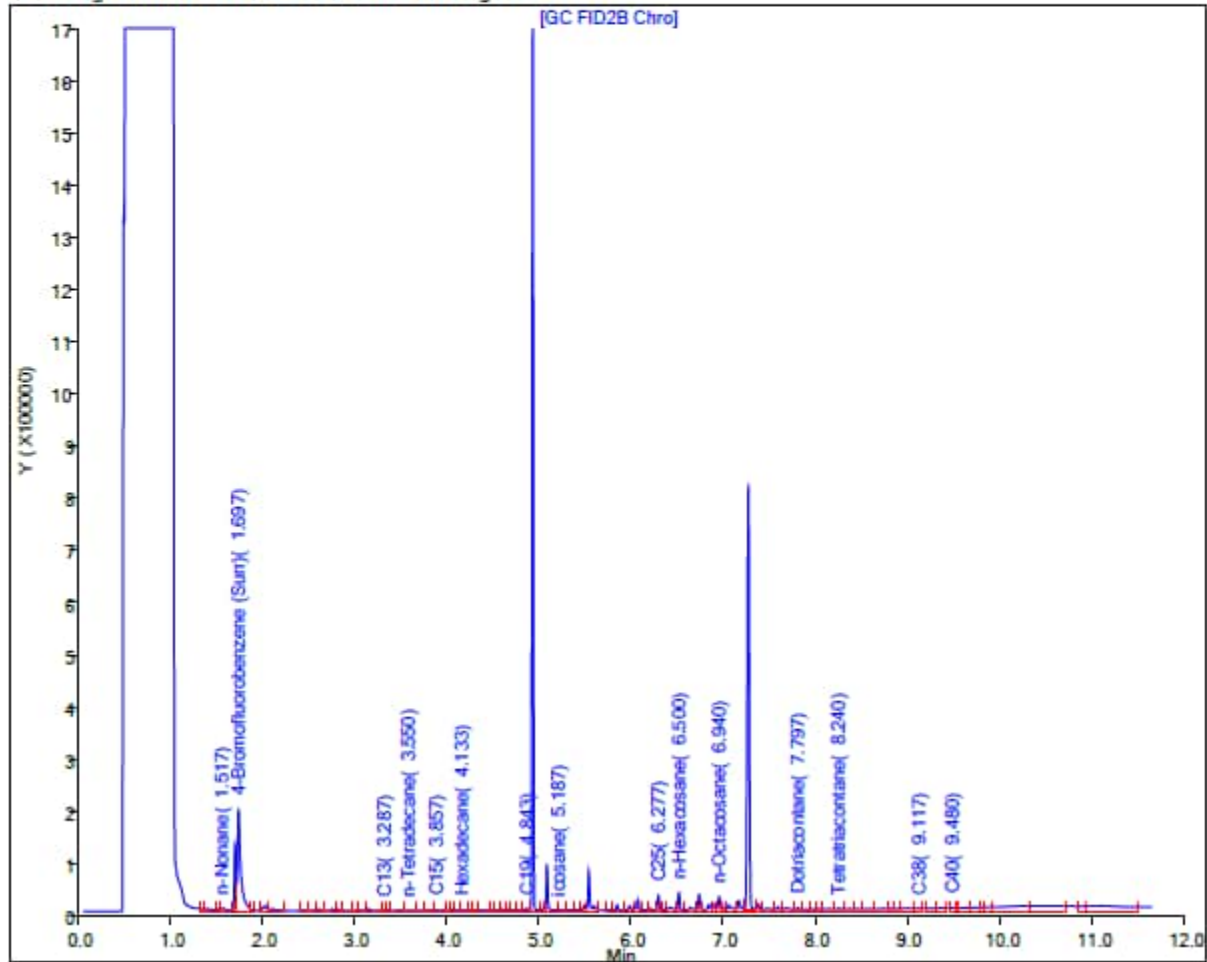
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW01 Sample ID: OWDFMW01-WGN01LF-2212WK3 Sample Date: 12/21/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 29-Dec-2022 14:39:59

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221228-86432.b\122822A034.D

Injection Date: 29-Dec-2022 03:17:15

Instrument ID: TAC129

Lims ID: 580-121497-N-21-A

Lab Sample ID: 580-121497-21

Client ID: OWDFMW01-WGN01LF-2212WK3

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 17

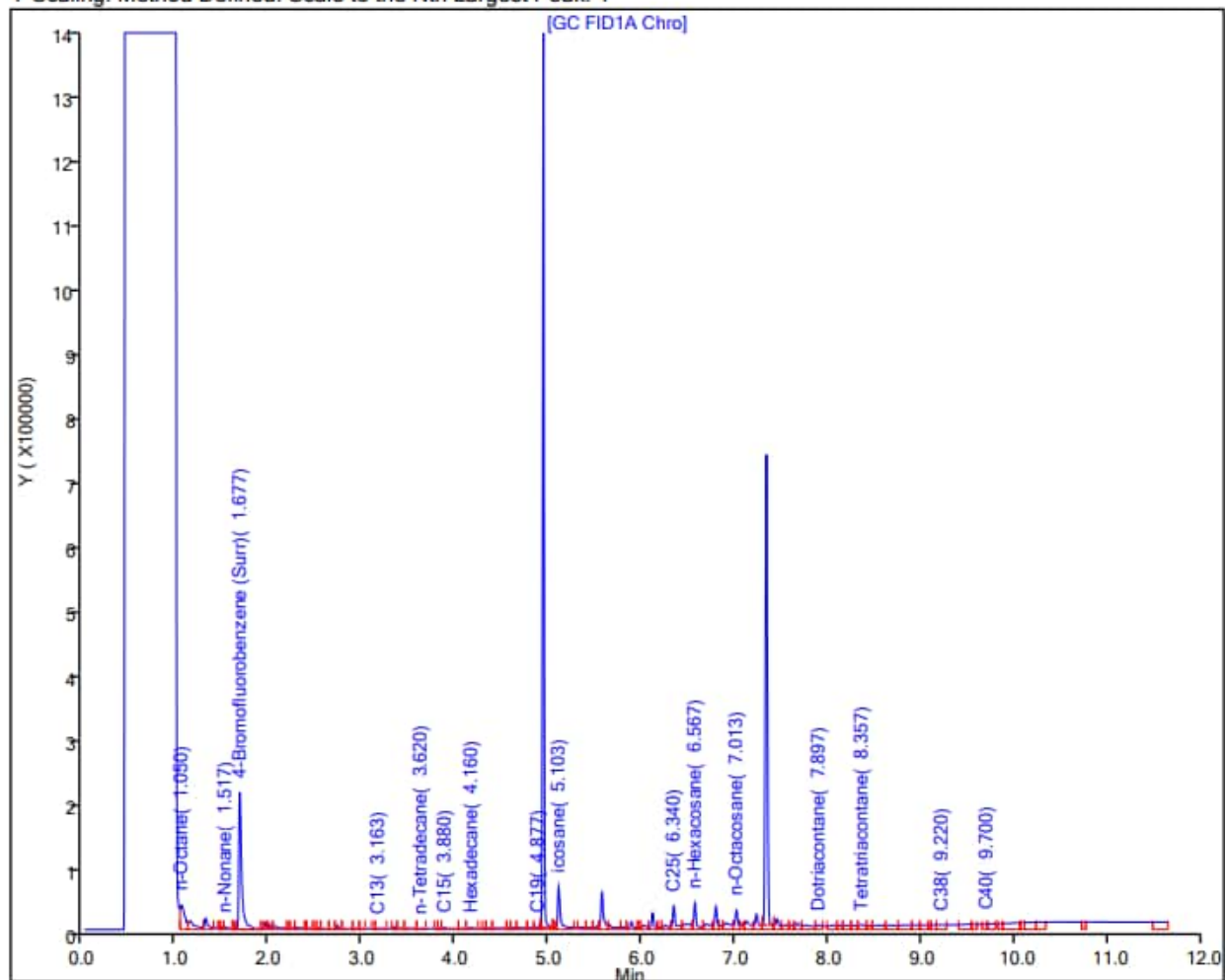
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW01 Sample ID: OWDFMW01-WGN01LF-2301WK1 Sample Date: 1/6/2023
Lab: Eurofins Seattle

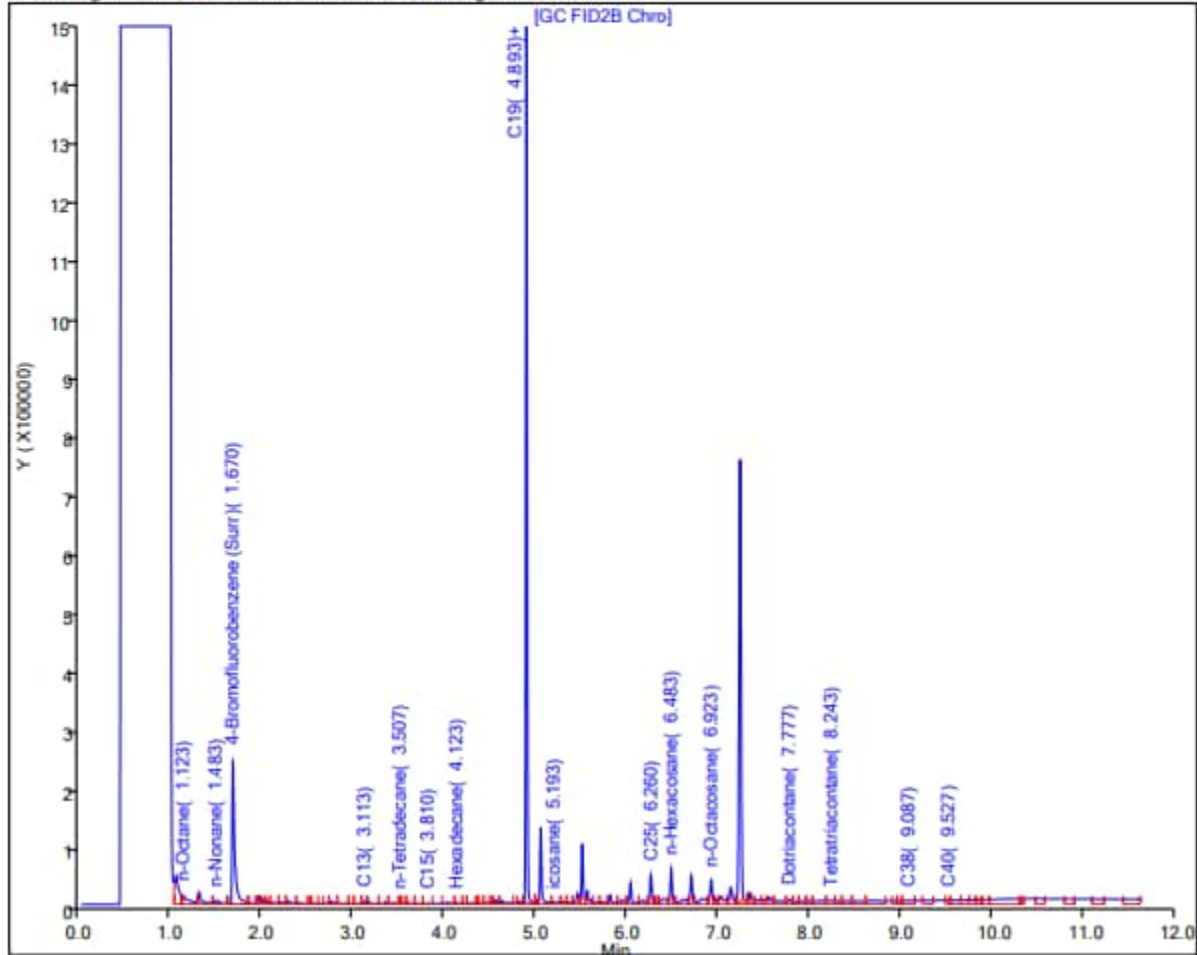
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 16-Jan-2023 11:30:22

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230114-86670.b\011423A059.D
Injection Date: 15-Jan-2023 00:05:44 Instrument ID: TAC129_R
Lims ID: 580-121982-N-12-A Lab Sample ID: 580-121982-12
Client ID: OWDFMW01-WGN01LF-2301WK1
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW01 Sample ID: OWDFMW01-WGN01LF-2301WK2 Sample Date: 1/12/2023
Lab: Eurofins Seattle

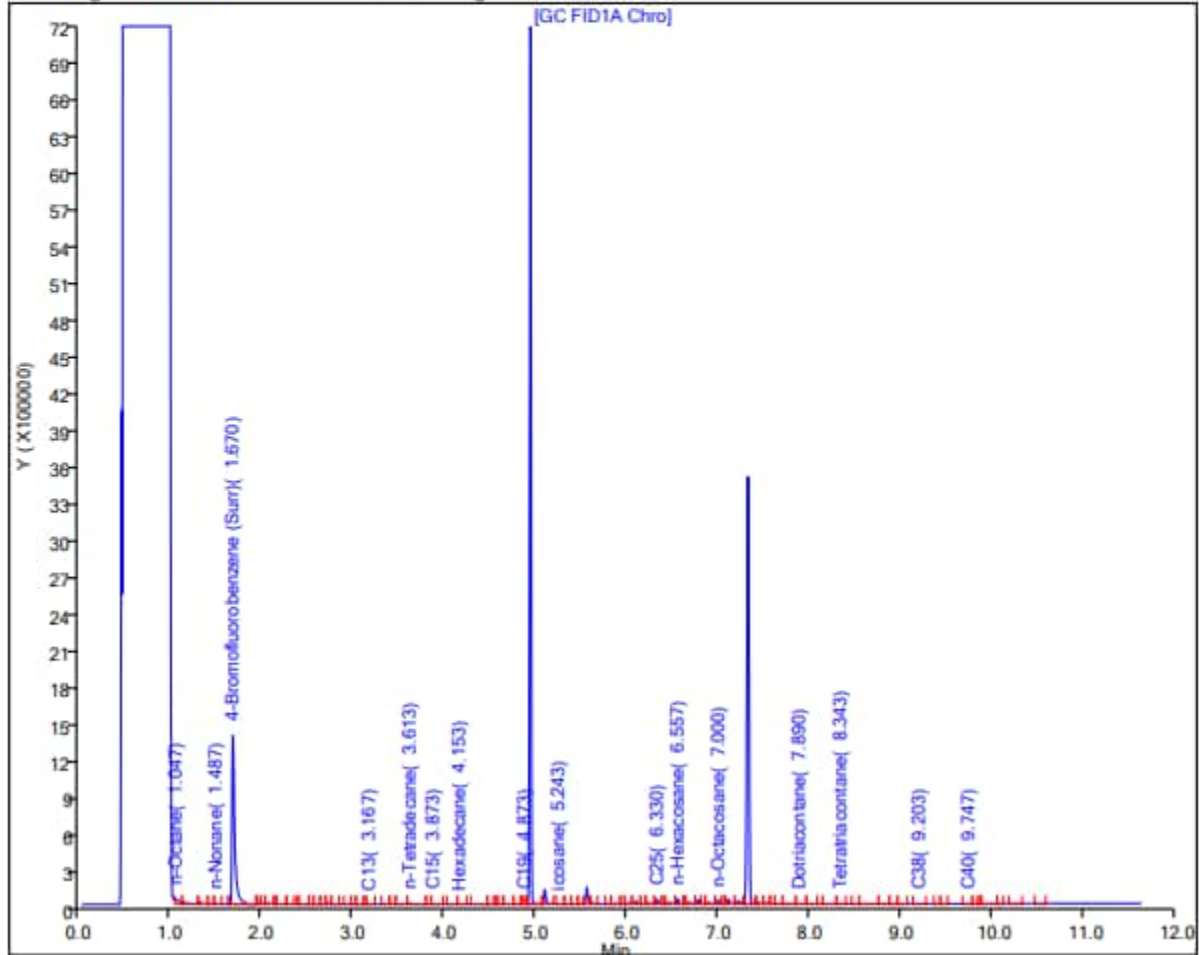
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 19-Jan-2023 08:07:43

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230118-86742.b\011823A038.D
Injection Date: 18-Jan-2023 23:38:16 Instrument ID: TAC129
Lims ID: 580-122214-N-12-A Lab Sample ID: 580-122214-12
Client ID: OWDFMW01-WGN01LF-2301WK2
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW01 Sample ID: OWDFMW01-WGN01LF-2301WK3 Sample Date: 1/19/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 27-Jan-2023 10:15:45

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230126-86830.b\0126a23A050.D

Injection Date: 26-Jan-2023 21:56:22

Instrument ID: TAC129

Lims ID: 580-122498-O-3-A

Lab Sample ID: 580-122498-3

Client ID: OWDFMW01-WGN01LF-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 25

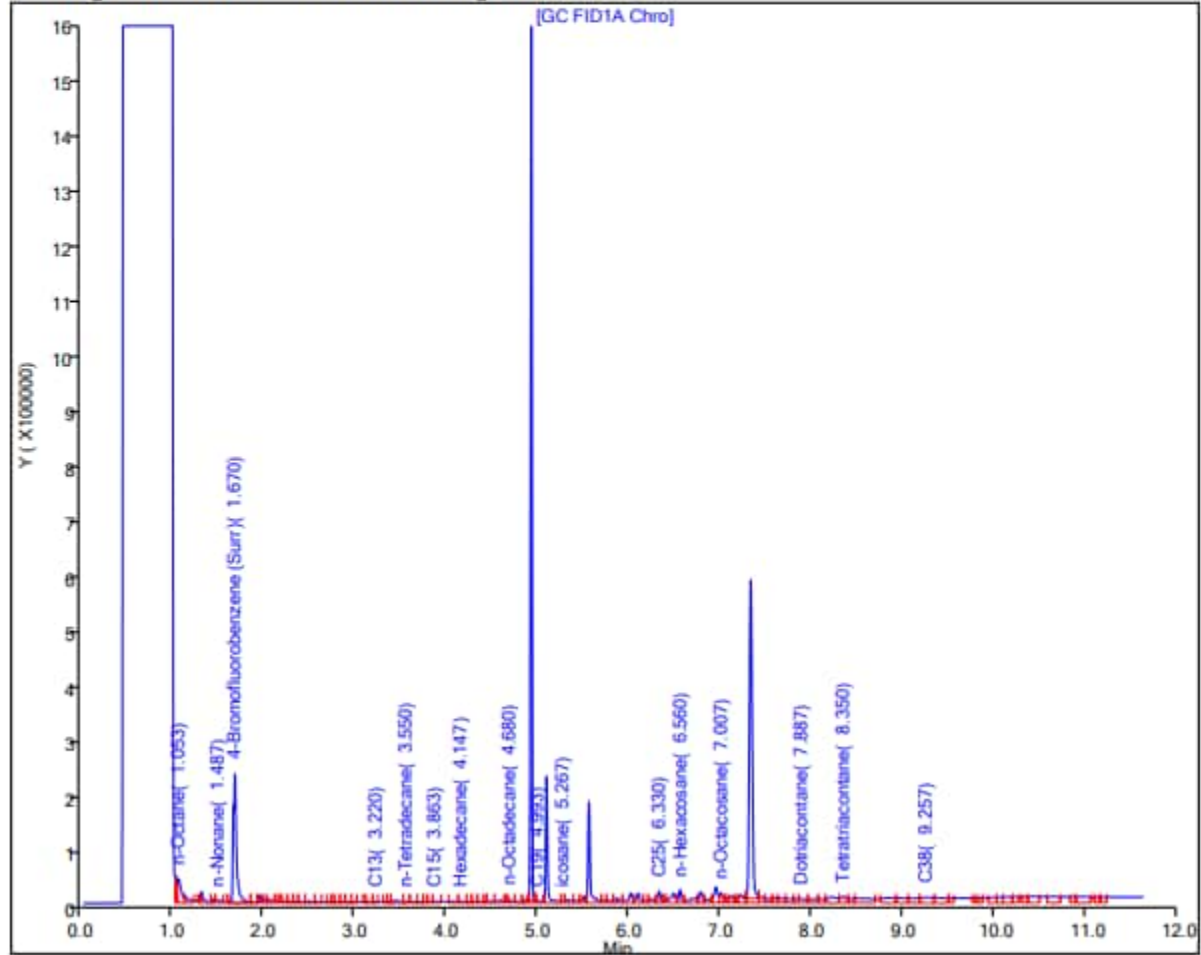
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW01 Sample ID: OWDFMW01-WGN01LF-2301WK4 Sample Date: 1/26/2023
Lab: Eurofins Seattle

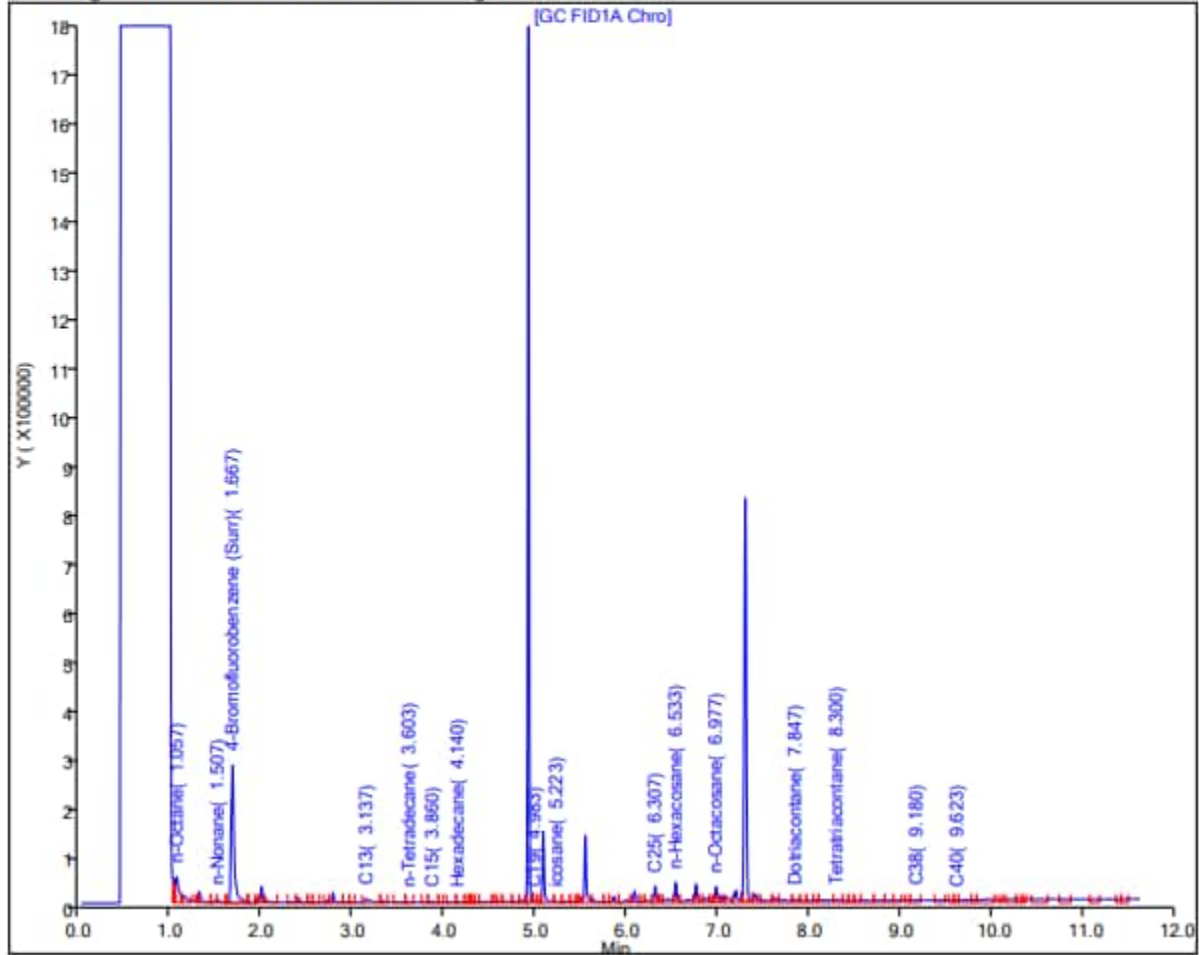
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 03-Feb-2023 08:35:49

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230202-86915.b\020223A042.D
Injection Date: 02-Feb-2023 15:59:33 Instrument ID: TAC129
Lims ID: 580-122762-F-5-A Lab Sample ID: 580-122762-5
Client ID: OWDFMW01-WGN01LF-2301WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW01 Sample ID: OWDFMW01-WGN01LF-2302WK2 Sample Date: 2/16/2023
Lab: Eurofins Seattle

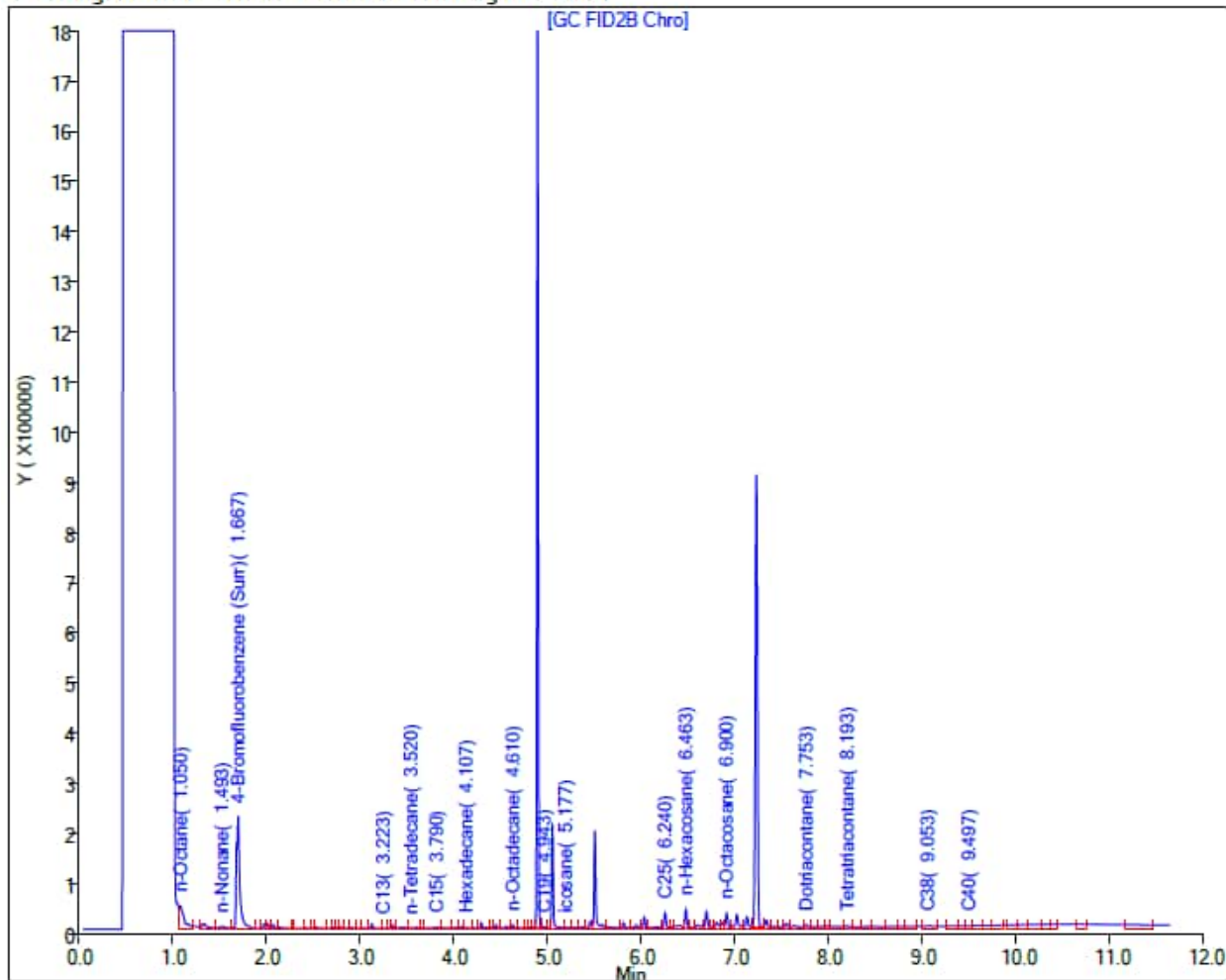
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 23-Feb-2023 08:44:56

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230222-87216.b\022223A031.D
Injection Date: 22-Feb-2023 23:33:11 Instrument ID: TAC129_R
Lims ID: 580-123713-N-10-A Lab Sample ID: 580-123713-10
Client ID: OWDFMW01-WGN01LF-2302WK2
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW01 Sample ID: OWDFMW01-WGN01LF-2302WK3 Sample Date: 2/23/2023
Lab: Eurofins Seattle

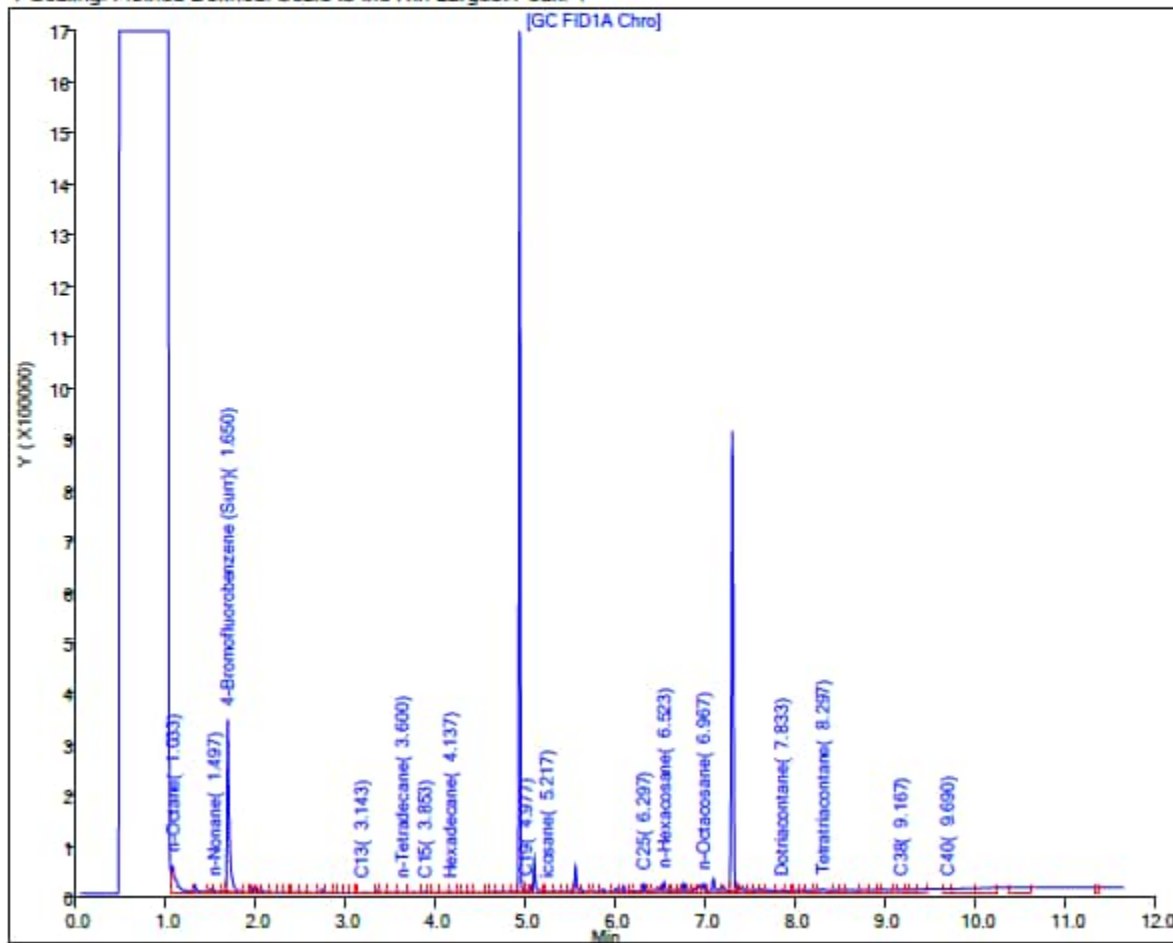
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 02-Mar-2023 10:22:26

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\0301a23A058.D
Injection Date: 01-Mar-2023 23:38:54 Instrument ID: TAC129
Lims ID: 580-123967-N-11-A Lab Sample ID: 580-123967-11
Client ID: OWDFMW01-WGN01LF-2302WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 76
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW01 Sample ID: OWDFMW01-WGN01LF-2302WK4 Sample Date: 3/2/2023
Lab: Eurofins Seattle

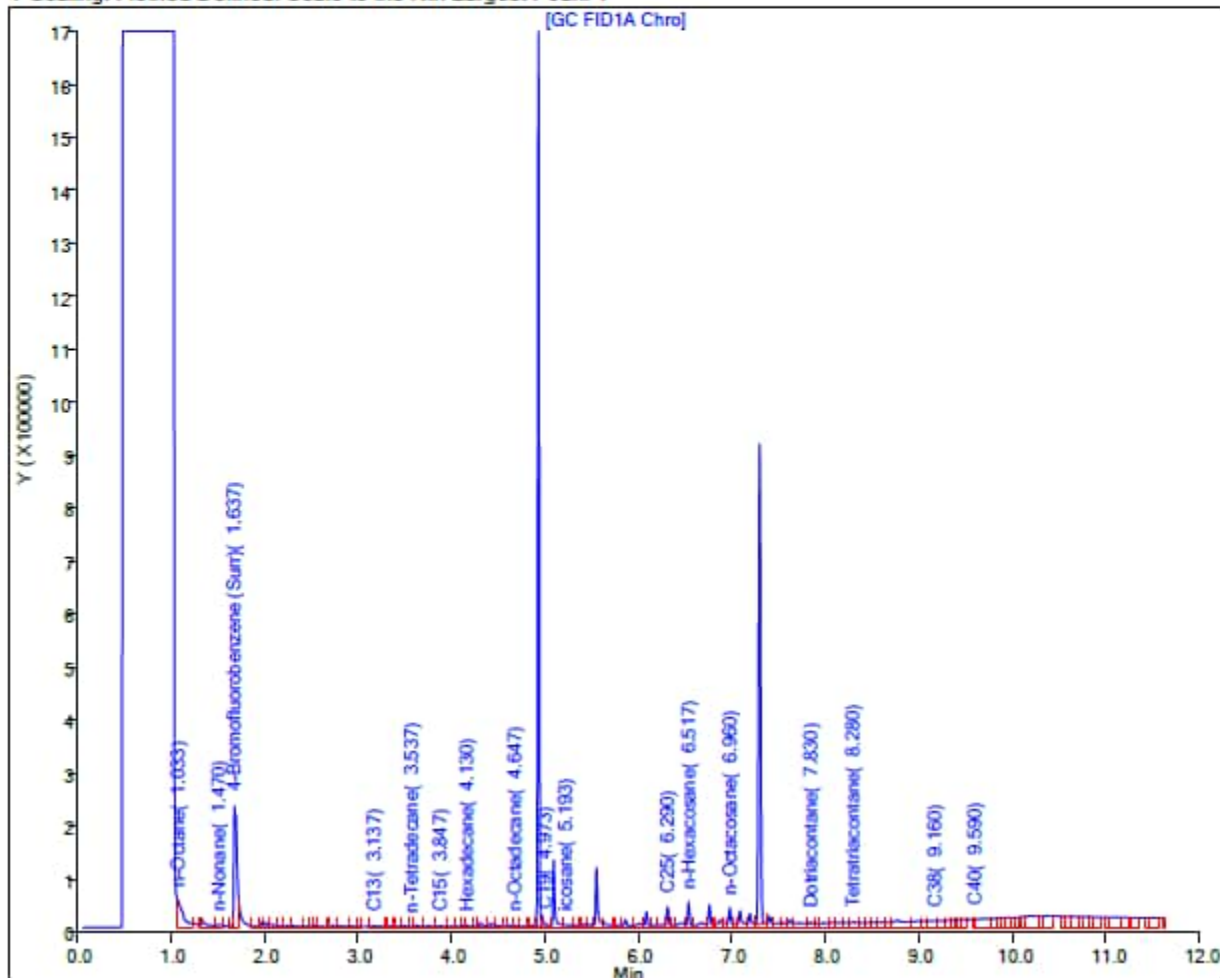
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 09-Mar-2023 10:41:23

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230308-87402.b\030823B050.D
Injection Date: 08-Mar-2023 20:11:48 Instrument ID: TAC129
Lims ID: 580-124259-N-1-A Lab Sample ID: 580-124259-1
Client ID: OWDFMW01-WGN01LF-2302WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 64
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW04A Sample ID: OWDFMW04A-WGN02LF-2211WK3 Sample Date: 11/23/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 01-Dec-2022 15:25:01

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221130-86038.b\1130a22_016.D

Injection Date: 01-Dec-2022 02:08:30

Instrument ID: TAC020

Lims ID: 580-120438-O-12-A

Lab Sample ID: 580-120438-12

Client ID: OWDFMW04A-WGN02LF-2211WK3

Operator ID: DH

ALS Bottle#: 16

Worklist Smp#: 36

Injection Vol: 1.0 ul

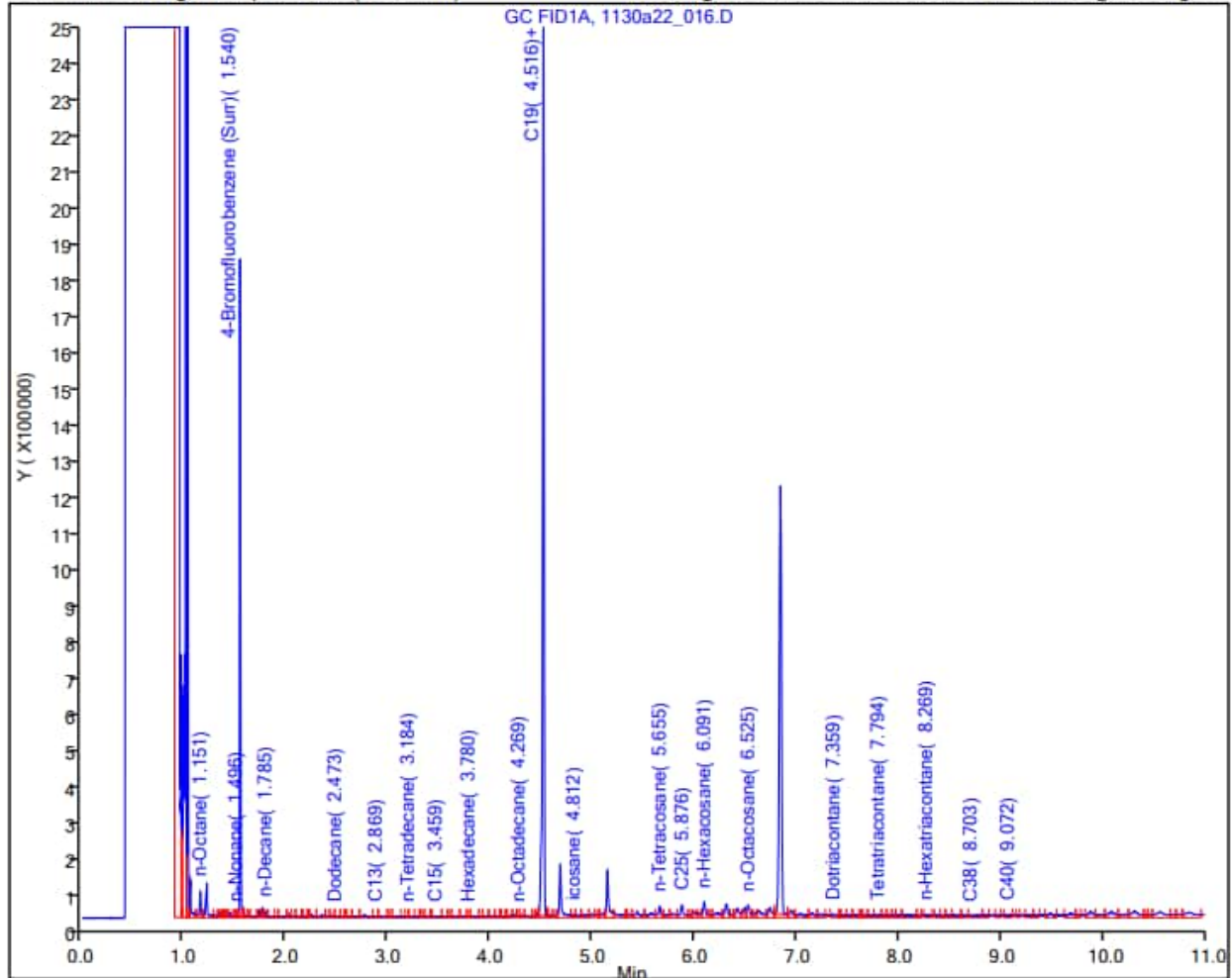
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Infero (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

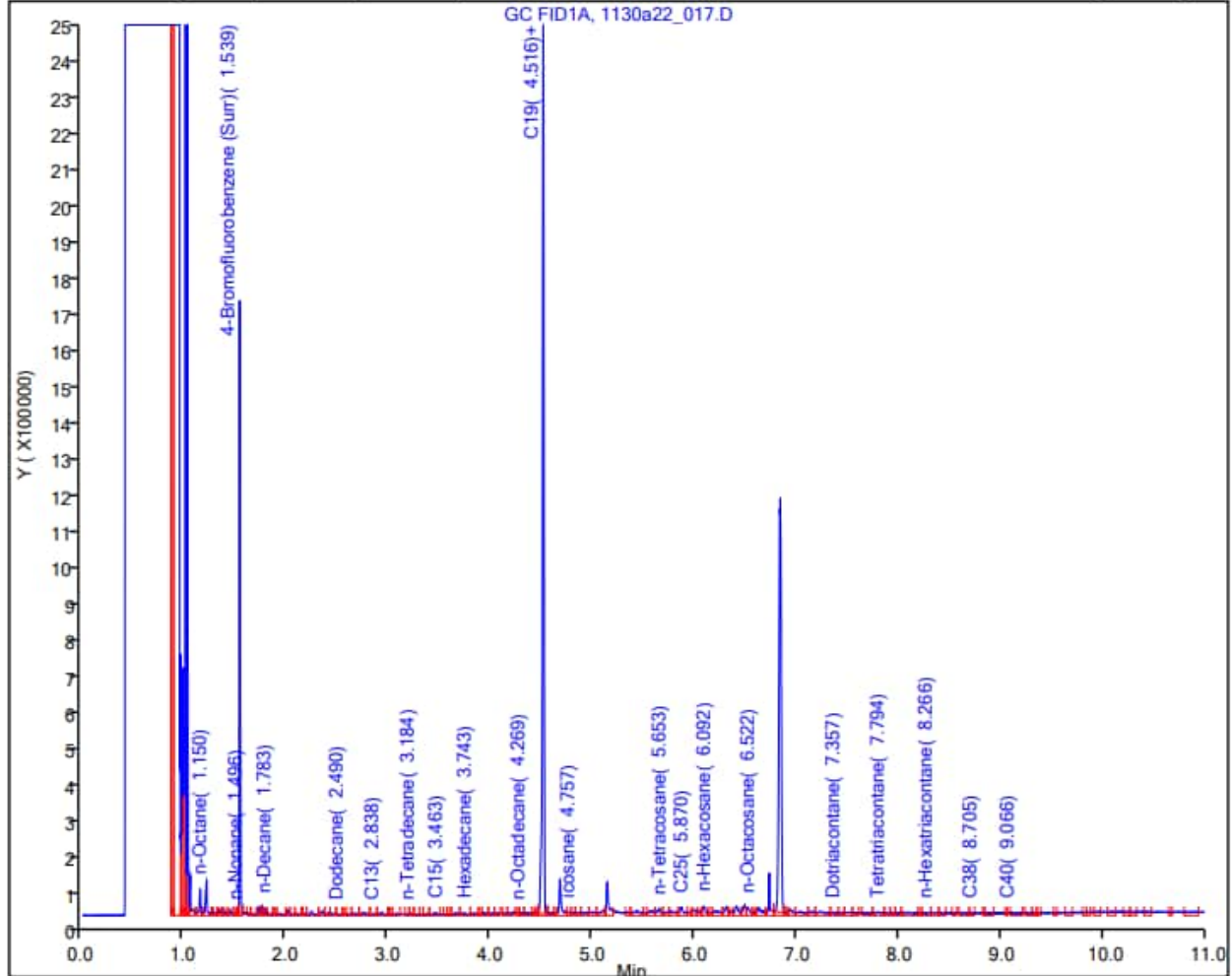


No Silica Gel Cleanup performed.

Location: OWDFMW04A Sample ID: OWDFMW04A-WGFD02LF-2211WK3 Sample Date: 11/23/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100
Report Date: 01-Dec-2022 15:25:05 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20221130-86038.b\1130a22_017.D
Injection Date: 01-Dec-2022 02:28:30 Instrument ID: TAC020
Lims ID: 580-120438-I-14-A Lab Sample ID: 580-120438-14
Client ID: OWDFMW04A-WGFD02LF-2211WK3
Operator ID: DH ALS Bottle#: 17 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: OWDFMW04A Sample ID: OWDFMW04A-WGN01LF-2212WK3 Sample Date: 12/19/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d SGC (C10 to C24) 82 J TPH-o SGC (C24 to C40) <310 U

Report Date: 27-Dec-2022 12:36:31

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221222-86386.b\12222022_027.D

Injection Date: 23-Dec-2022 00:55:59

Instrument ID: TAC020

Lims ID: 580-121415-O-1-A

Lab Sample ID: 580-121415-1

Client ID: OWDFMW04A-WGN01LF-2212WK3

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 39

Injection Vol: 1.0 ul

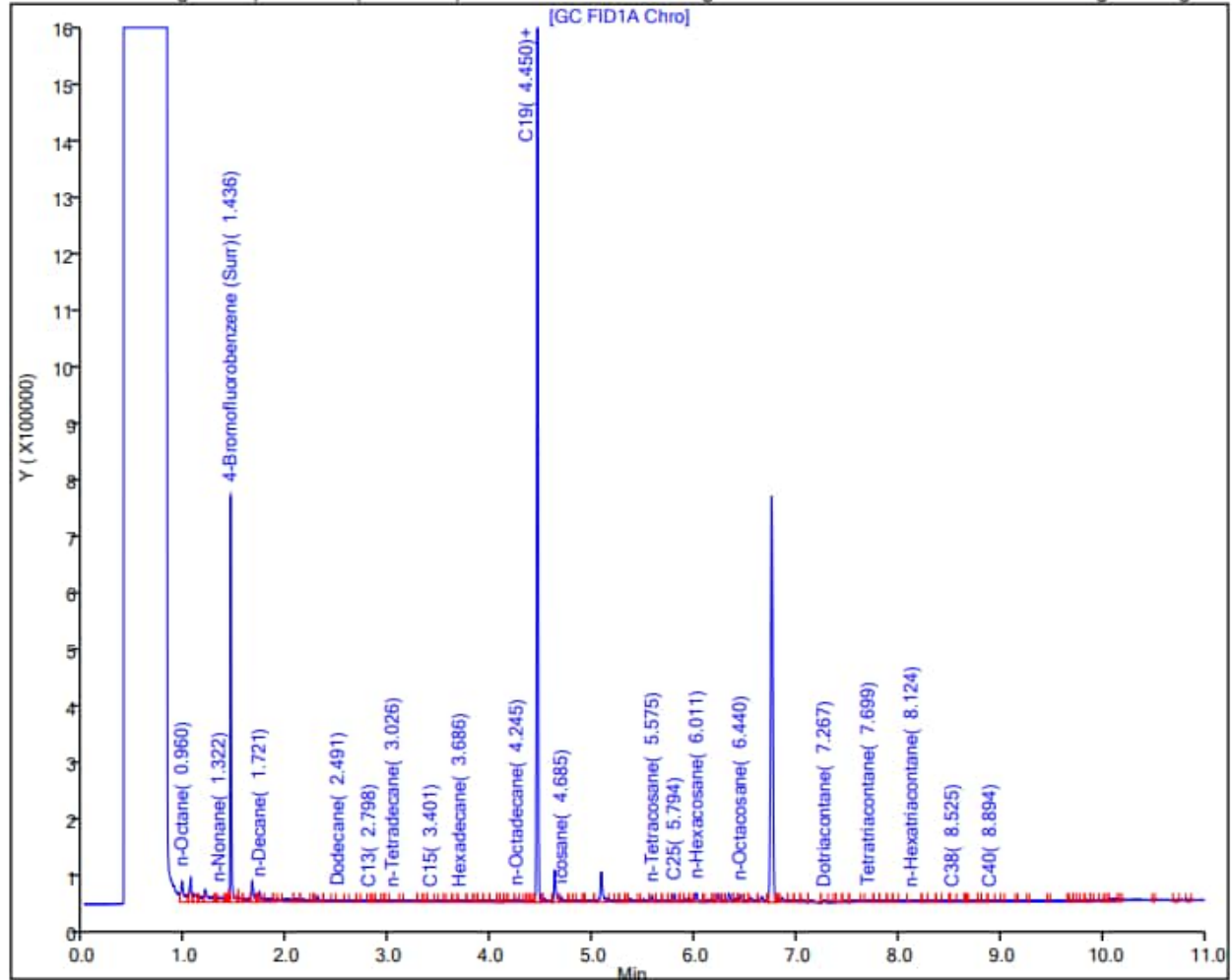
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 19-Jan-2023 08:25:20

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230118-86744.b\011823A055.D

Injection Date: 19-Jan-2023 02:24:10

Instrument ID: TAC129_R

Lims ID: 580-121415-O-1-B

Lab Sample ID: 580-121415-1

Client ID: OWDFMW04A-WGN01LF-2212WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 28

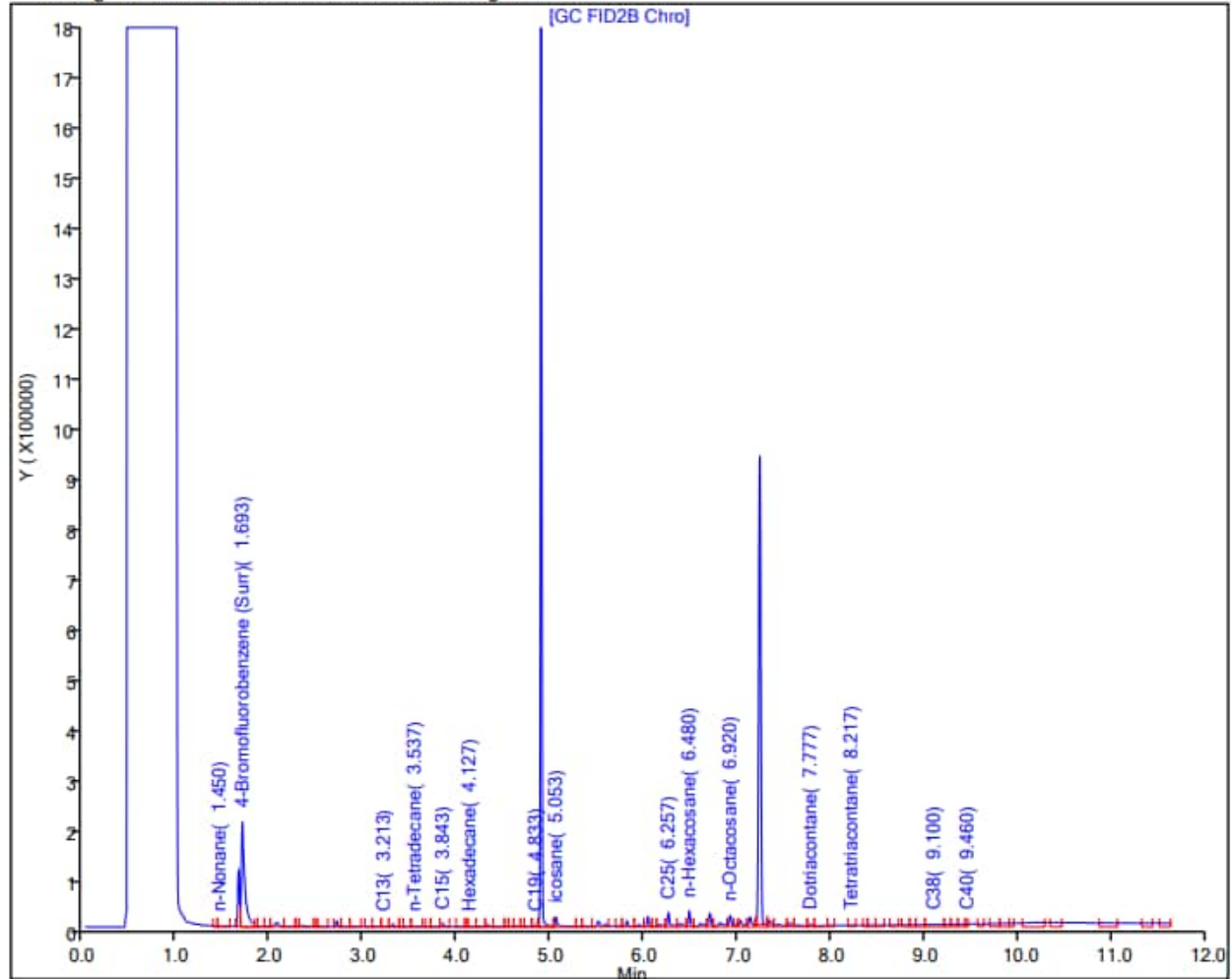
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: OWDFMW04A Sample ID: OWDFMW04A-WGFD01LF-2212WK3 Sample Date: 12/19/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 80 J

TPH-o (C24 to C40) <310 U

Report Date: 27-Dec-2022 12:36:37

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221222-86386.b\12222022_028.D

Injection Date: 23-Dec-2022 01:16:11

Instrument ID: TAC020

Lims ID: 580-121415-J-3-A

Lab Sample ID: 580-121415-3

Client ID: OWDFMW04A-WGFD01LF-2212WK3

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 40

Injection Vol: 1.0 ul

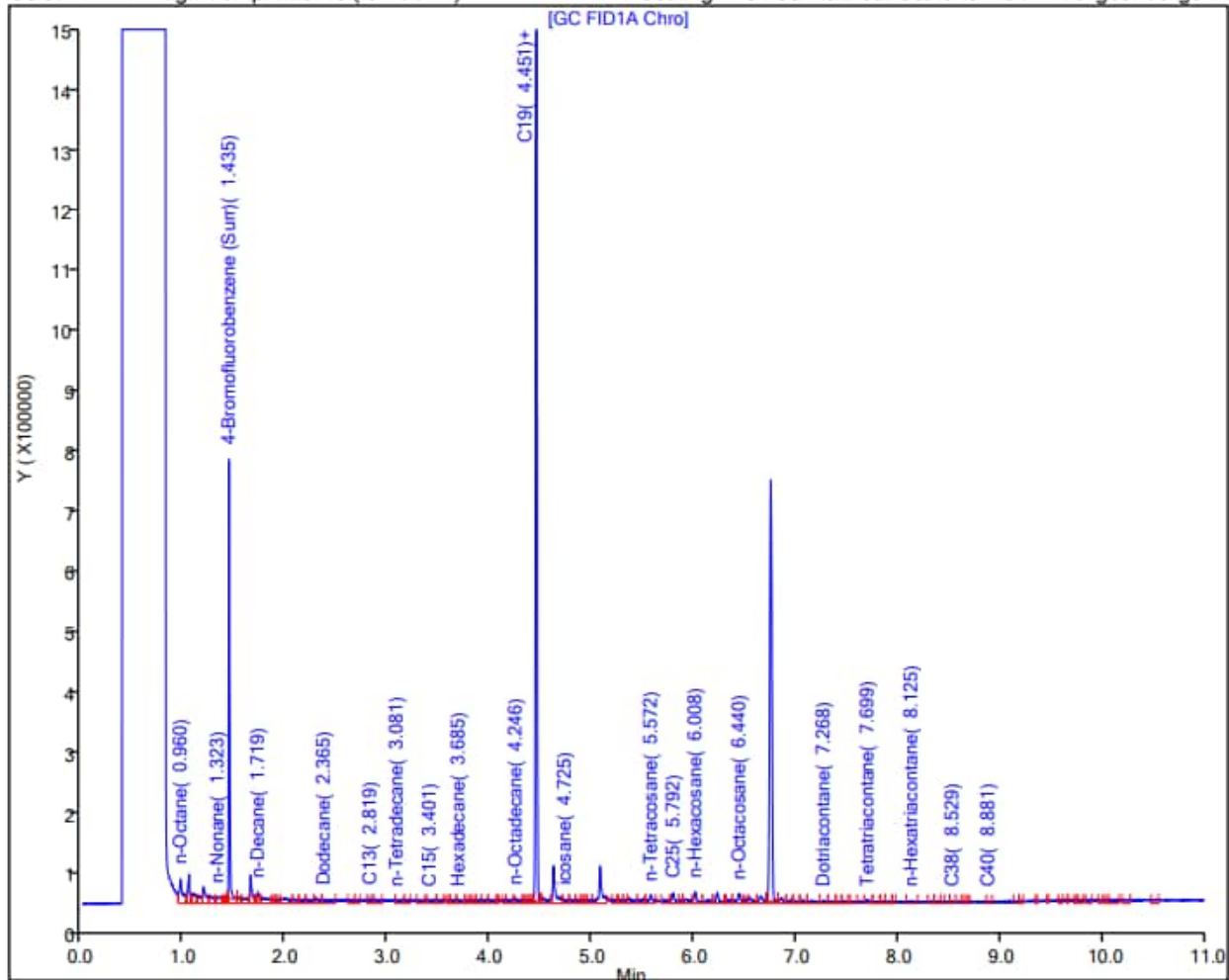
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 19-Jan-2023 08:25:23

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230118-86744.b\011823A057.D

Injection Date: 19-Jan-2023 02:42:41

Instrument ID: TAC129_R

Lims ID: 580-121415-J-3-B

Lab Sample ID: 580-121415-3

Client ID: OWDFMW04A-WGFD01LF-2212WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 29

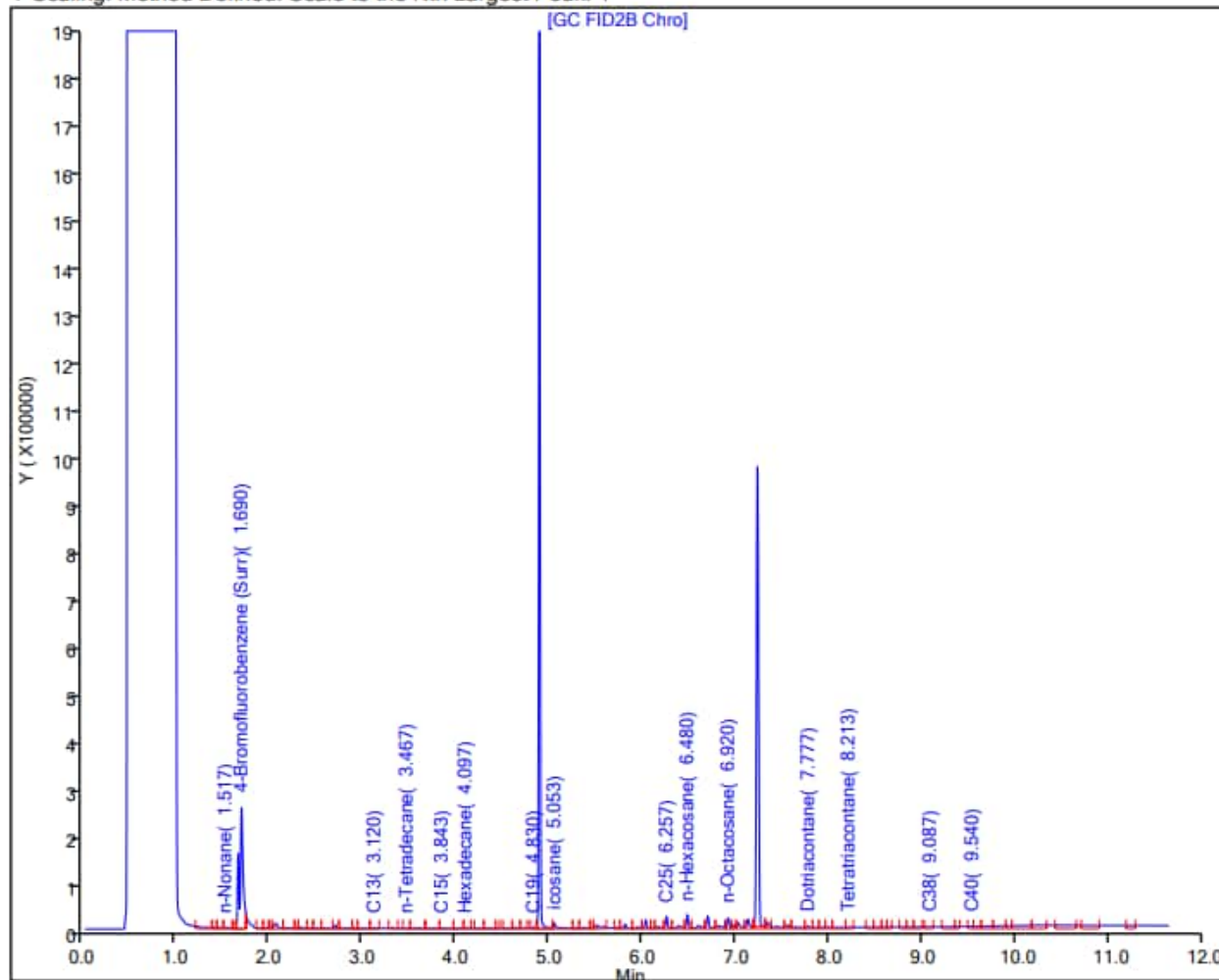
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



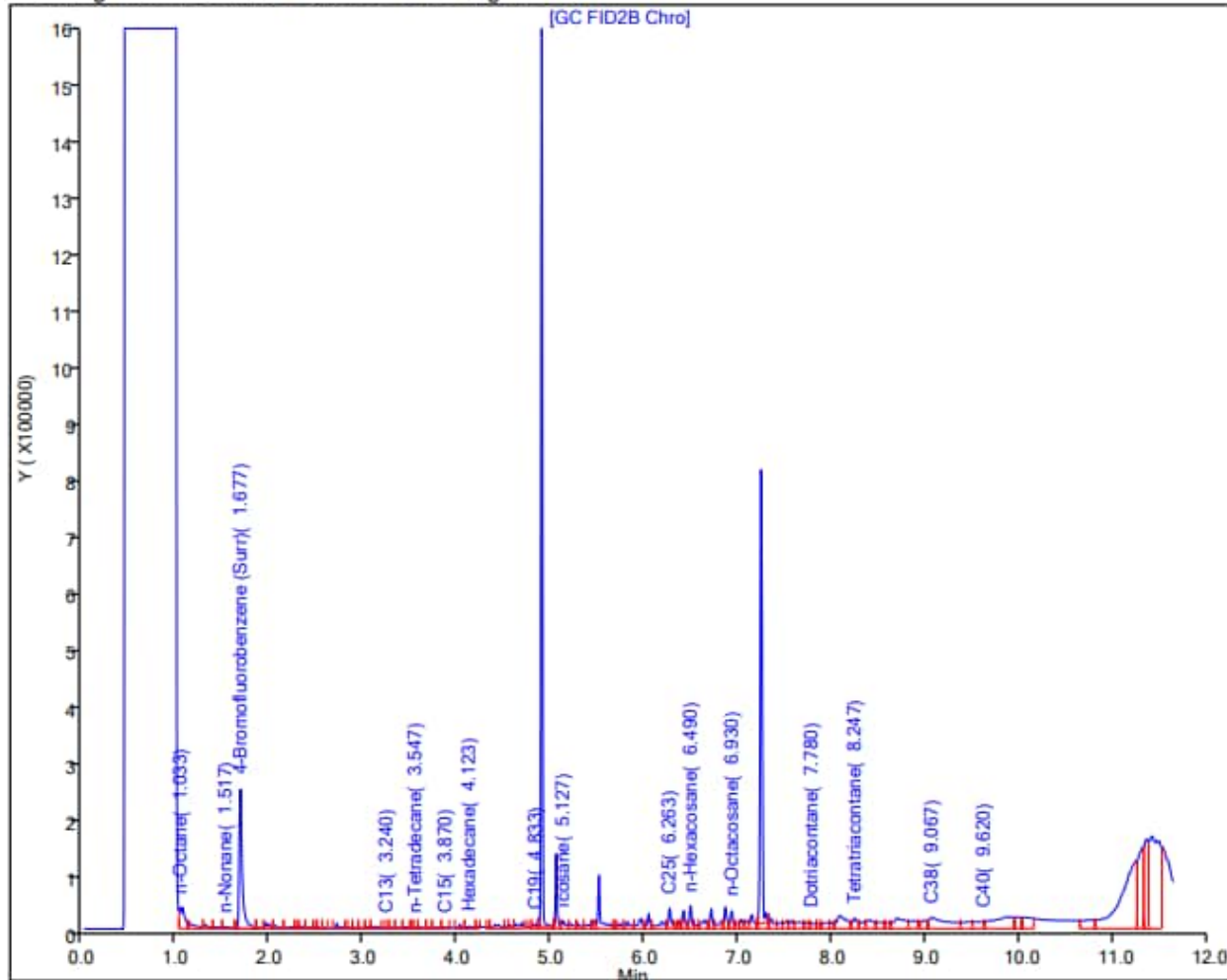
Location: OWDFMW04A Sample ID: OWDFMW04A-WGN01LF-2212WK4 Sample Date: 12/29/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 11-Jan-2023 14:11:23

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A023.D
Injection Date: 06-Jan-2023 16:18:21 Instrument ID: TAC129_R
Lims ID: 580-121697-E-1-A Lab Sample ID: 580-121697-1
Client ID: OWDFMW04A-WGN01LF-2212WK4
Operator ID: CC ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW04A Sample ID: OWDFMW04A-WGFD01LF-2212WK4 Sample Date: 12/29/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 87 J

TPH-o (C24 to C40) 200 J

Report Date: 11-Jan-2023 14:11:26

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A025.D

Injection Date: 06-Jan-2023 16:37:14

Instrument ID: TAC129_R

Lims ID: 580-121697-B-3-A

Lab Sample ID: 580-121697-3

Client ID: OWDFMW04A-WGFD01LF-2212WK4

Operator ID: CC

ALS Bottle#: 0

Worklist Smp#: 42

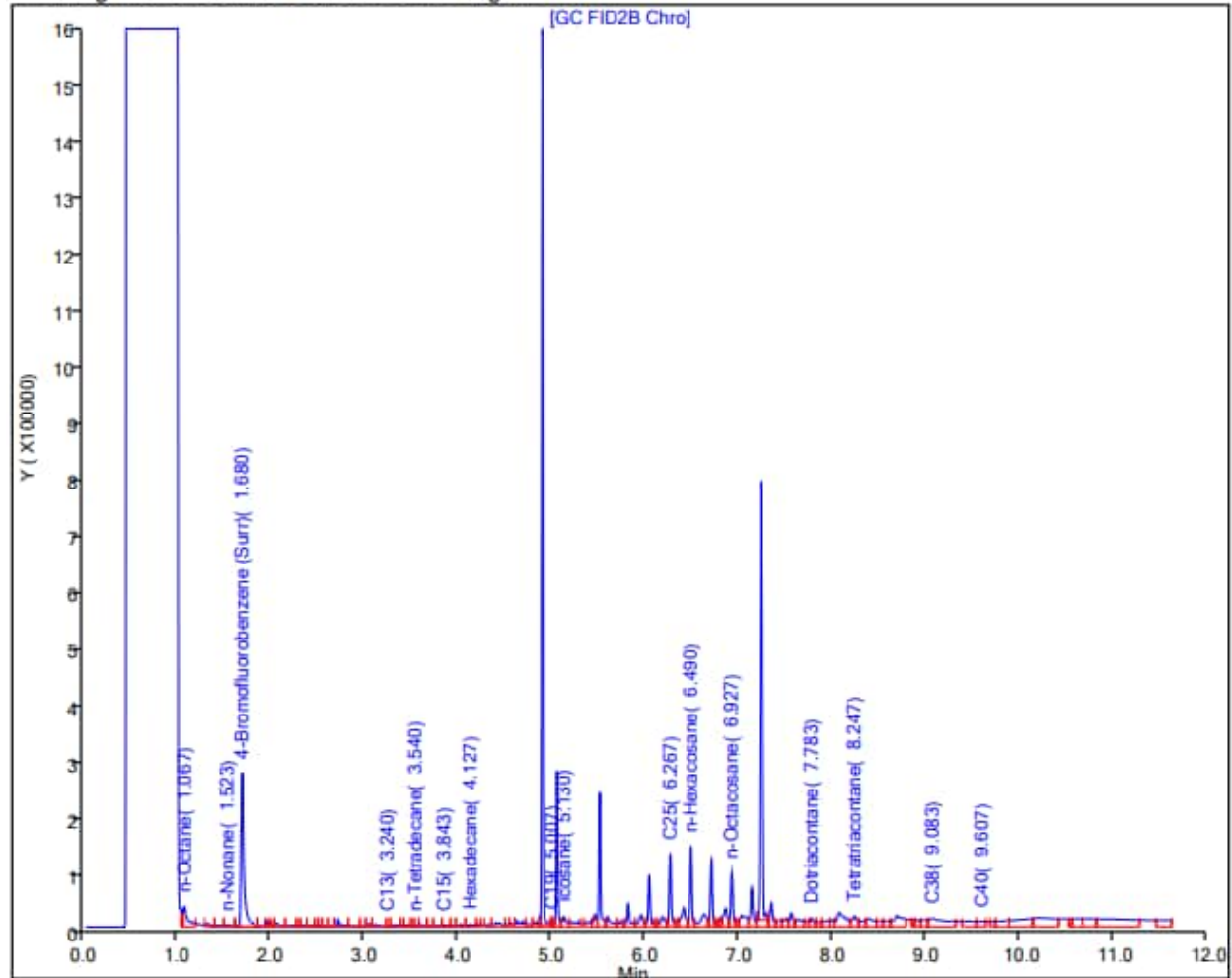
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 19-Jan-2023 08:24:11

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230118-86744.b\011823A021.D

Injection Date: 18-Jan-2023 21:10:02

Instrument ID: TAC129_R

Lims ID: 580-121697-B-3-B

Lab Sample ID: 580-121697-3

Client ID: OWDFMW04A-WGFD01LF-2212WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 11

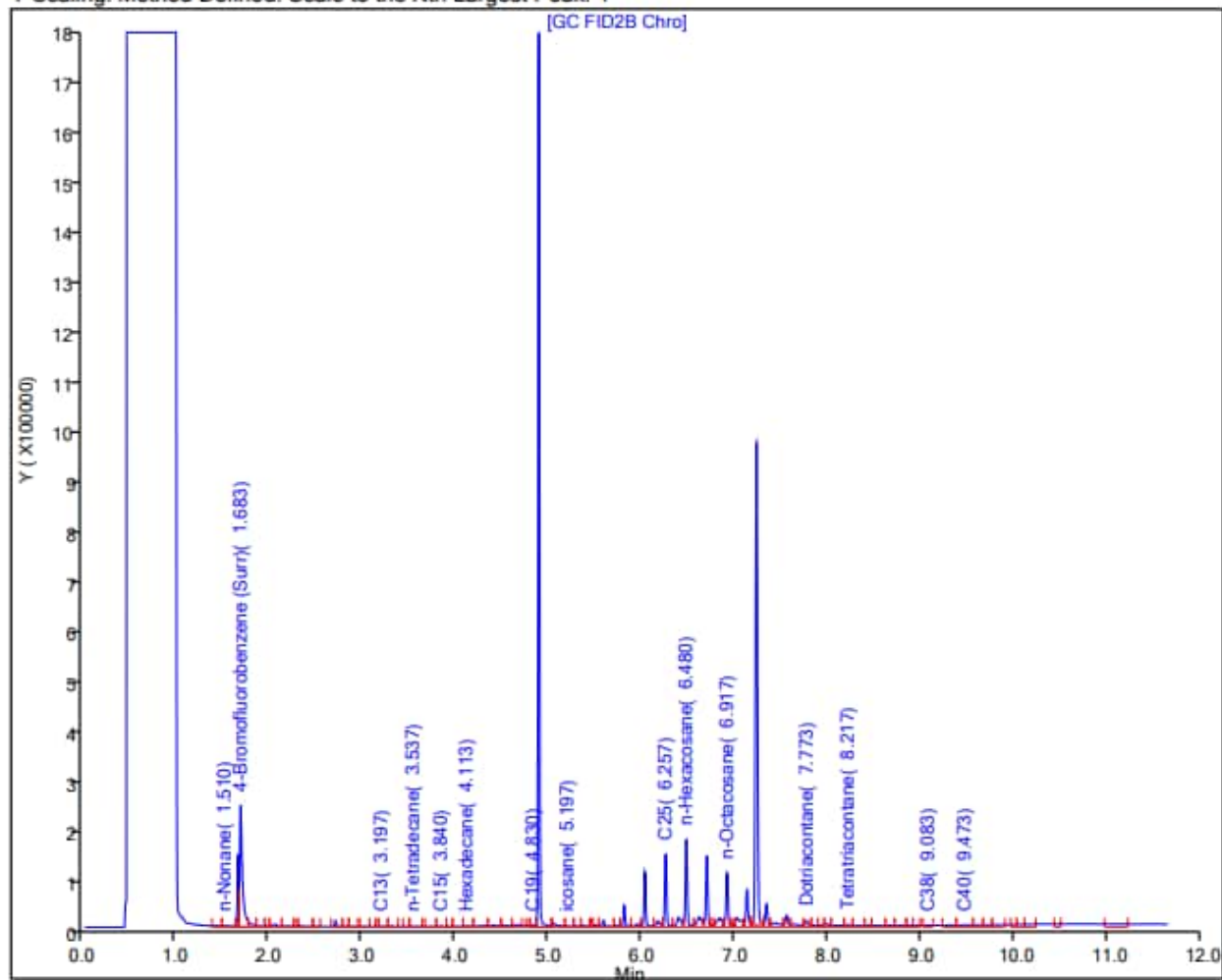
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: OWDFMW04A Sample ID: OWDFMW04A-WGN01LF-2301WK1 Sample Date: 1/5/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 13-Jan-2023 10:46:40

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230112-86634.b\011223A030.D

Injection Date: 12-Jan-2023 16:21:11

Instrument ID: TAC129

Lims ID: 580-121931-O-5-A

Lab Sample ID: 580-121931-5

Client ID: OWDFMW04A-WGN01LF-2301WK1

Operator ID: kw/cc

ALS Bottle#: 0

Worklist Smp#: 43

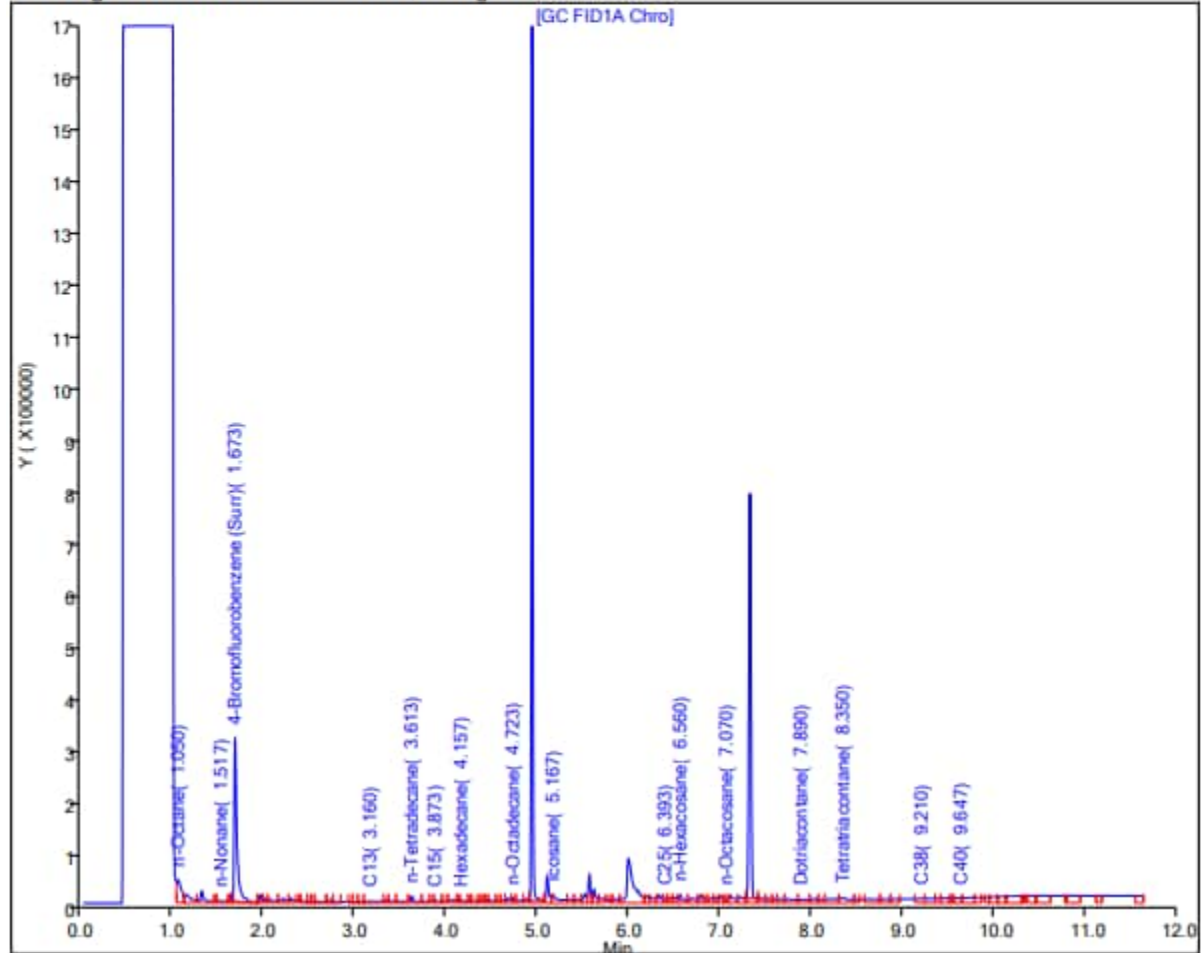
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

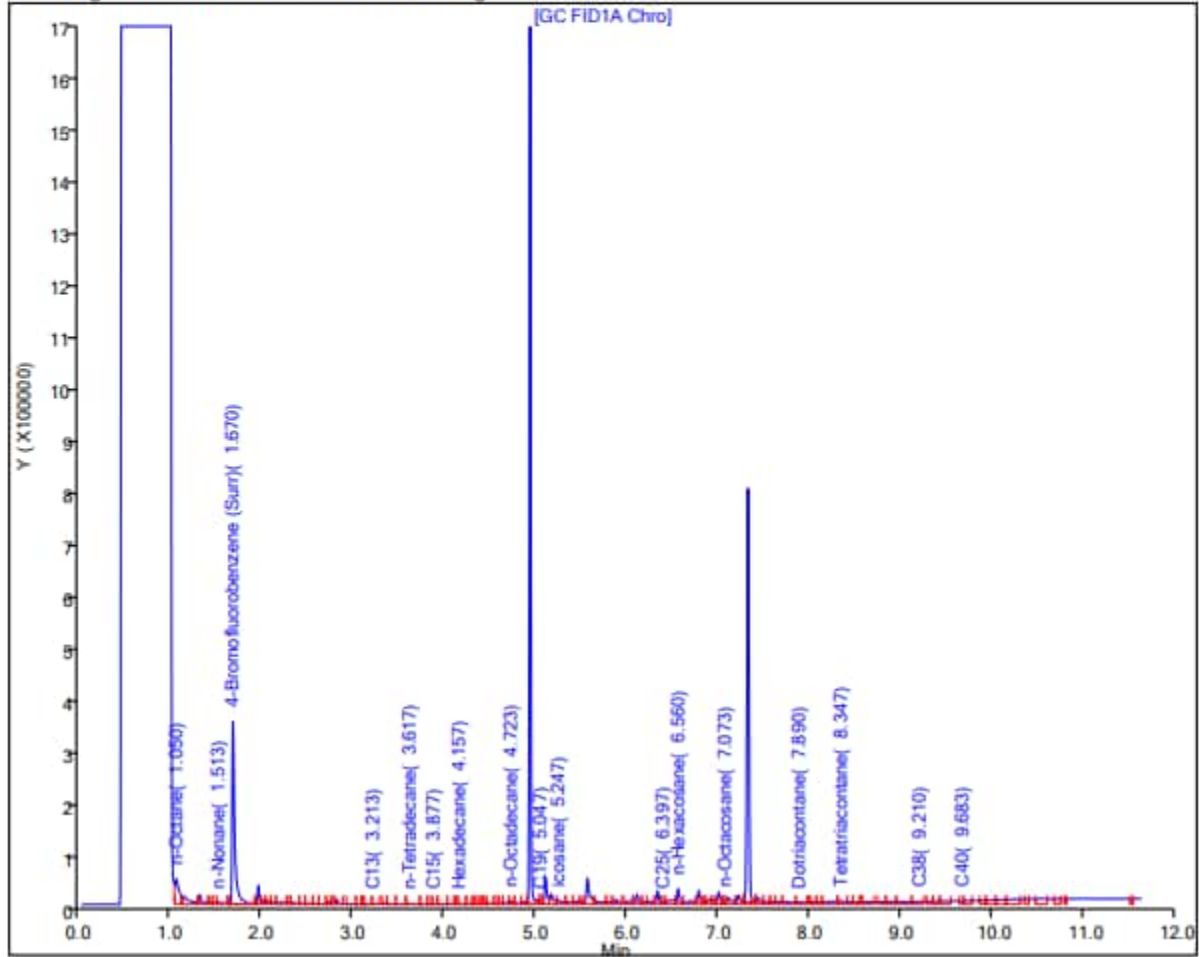
Location: OWDFMW04A Sample ID: OWDFMW04A-WGFD01LF-2301WK1 Sample Date: 1/5/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 13-Jan-2023 10:46:45

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230112-86634.b\011223A032.D
Injection Date: 12-Jan-2023 16:39:53 Instrument ID: TAC129
Lims ID: 580-121931-O-7-A Lab Sample ID: 580-121931-7
Client ID: OWDFMW04A-WGFD01LF-2301WK1
Operator ID: kw/cc ALS Bottle#: 0 Worklist Smp#: 44
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW04A Sample ID: OWDFMW04A-WGFD01LF-2301WK2 Sample Date: 1/11/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ TPH-o (C24 to C40) <300 UJ

Report Date: 23-Jan-2023 09:00:59

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230120-86765.b\012023A073.D

Injection Date: 20-Jan-2023 19:51:12

Instrument ID: TAC129_R

Lims ID: 580-122145-J-3-A

Lab Sample ID: 580-122145-3

Client ID: OWDFMW04A-WGFD01LF-2301WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 36

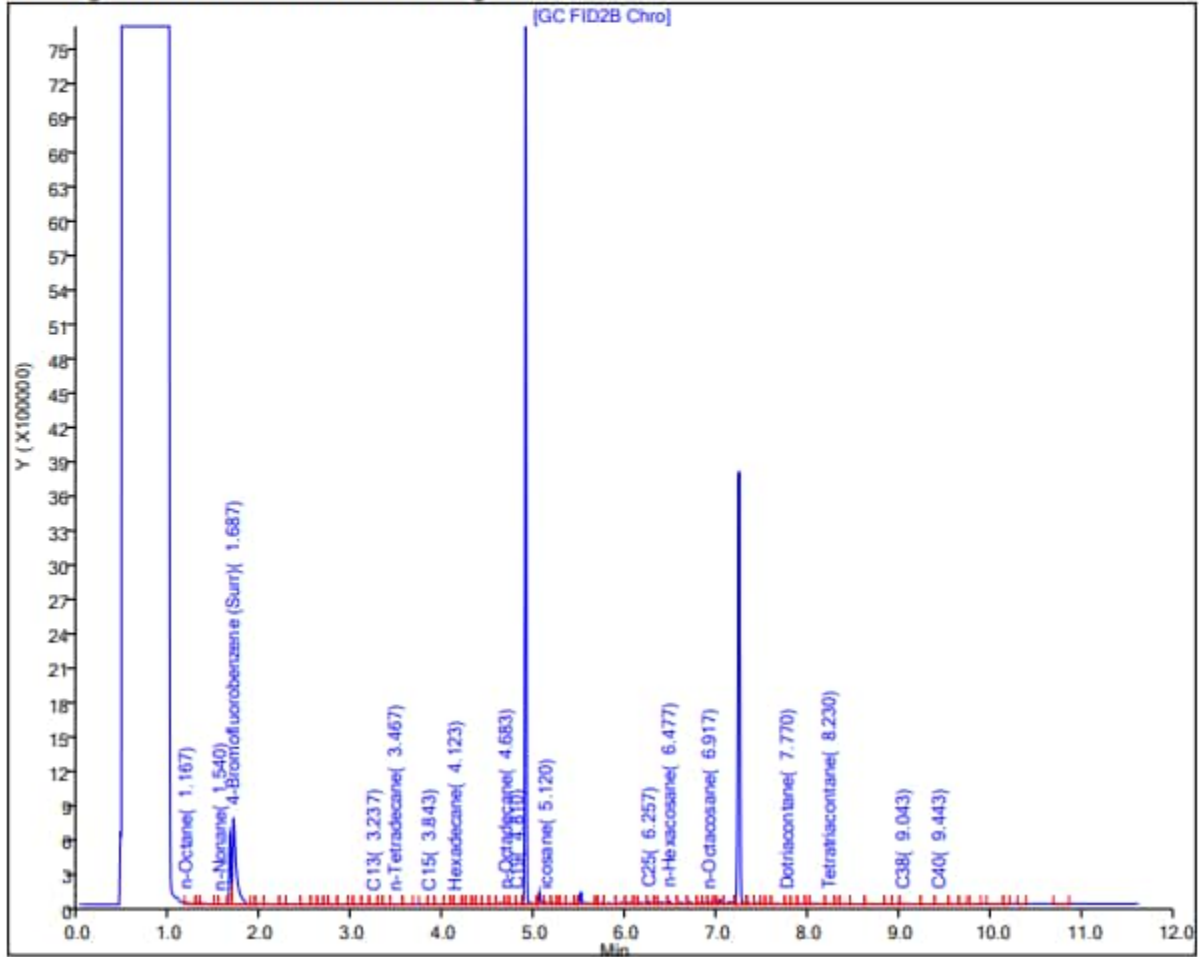
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 UJ

TPH-o SGC (C24 to C40) <310 UJ

Report Date: 24-Jan-2023 08:27:36

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_027.D

Injection Date: 23-Jan-2023 18:49:12

Instrument ID: TAC020

Lims ID: 580-122145-I-3-B

Lab Sample ID: 580-122145-3

Client ID: OWDFMW04A-WGFD01LF-2301WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul

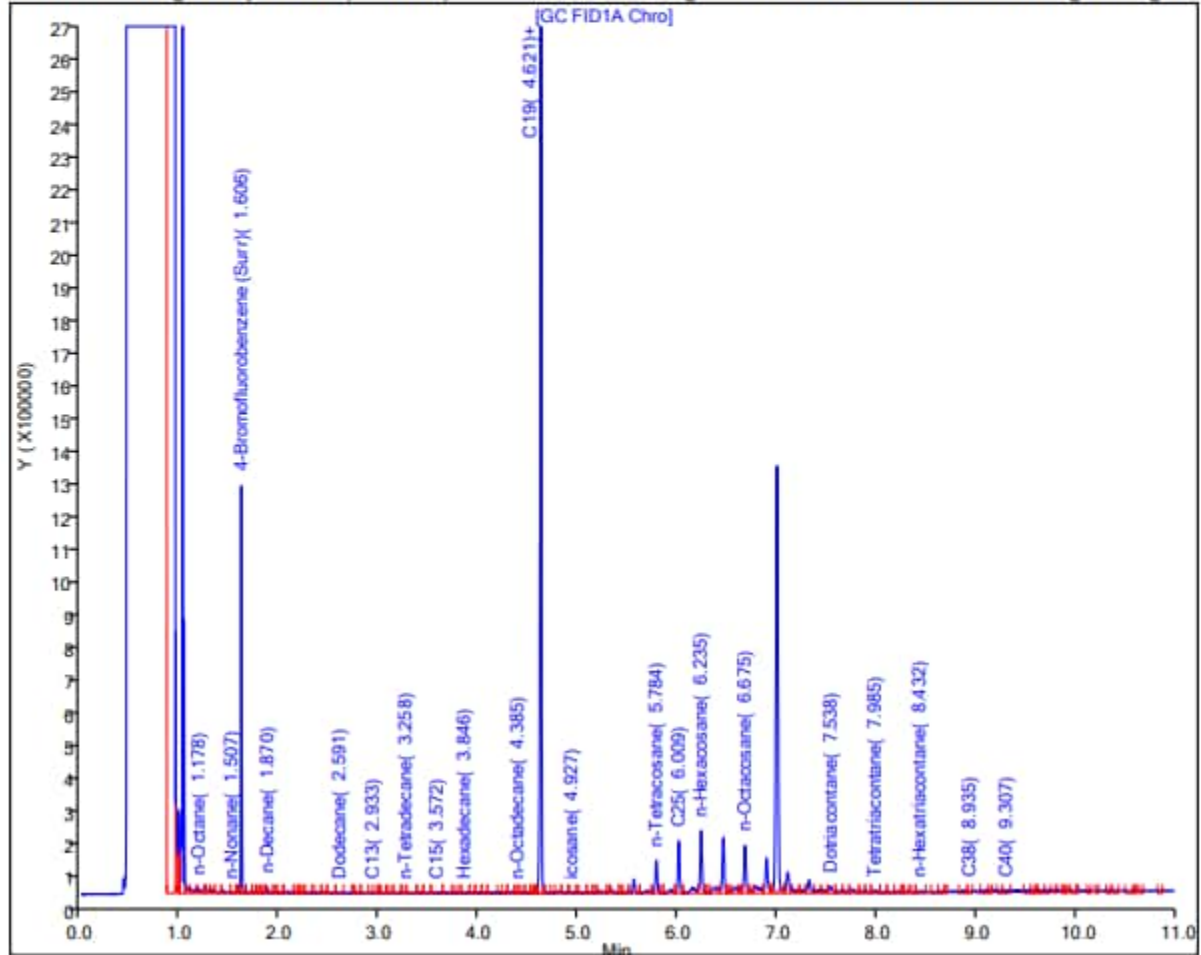
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: OWDFMW04A Sample ID: OWDFMW04A-WGN01LF-2301WK3 Sample Date: 1/18/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ TPH-o (C24 to C40) <300 UJ

Report Date: 27-Jan-2023 10:15:36

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230126-86830.b\0126a23A044.D

Injection Date: 26-Jan-2023 21:00:25

Instrument ID: TAC129

Lims ID: 580-122415-O-3-A

Lab Sample ID: 580-122415-3

Client ID: OWDFMW04A-WGN01LF-2301WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 22

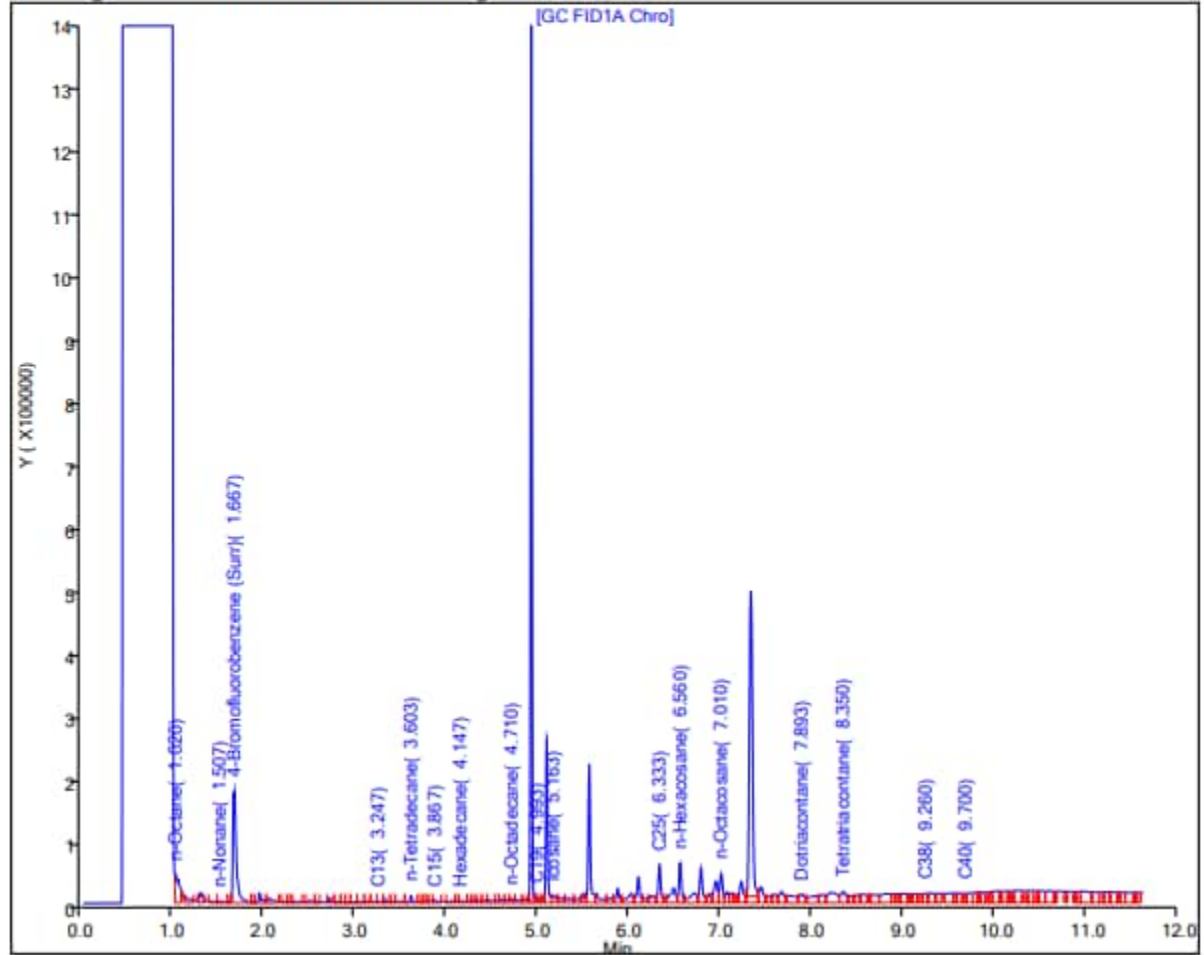
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW04A Sample ID: OWDFMW04A-WGFD01LF-2301WK3 Sample Date: 1/18/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ TPH-o (C24 to C40) <300 UJ

Report Date: 27-Jan-2023 10:15:39

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230126-86830.b\0126a23A046.D

Injection Date: 26-Jan-2023 21:19:04

Instrument ID: TAC129

Lims ID: 580-122415-I-5-A

Lab Sample ID: 580-122415-5

Client ID: OWDFMW04A-WGFD01LF-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 23

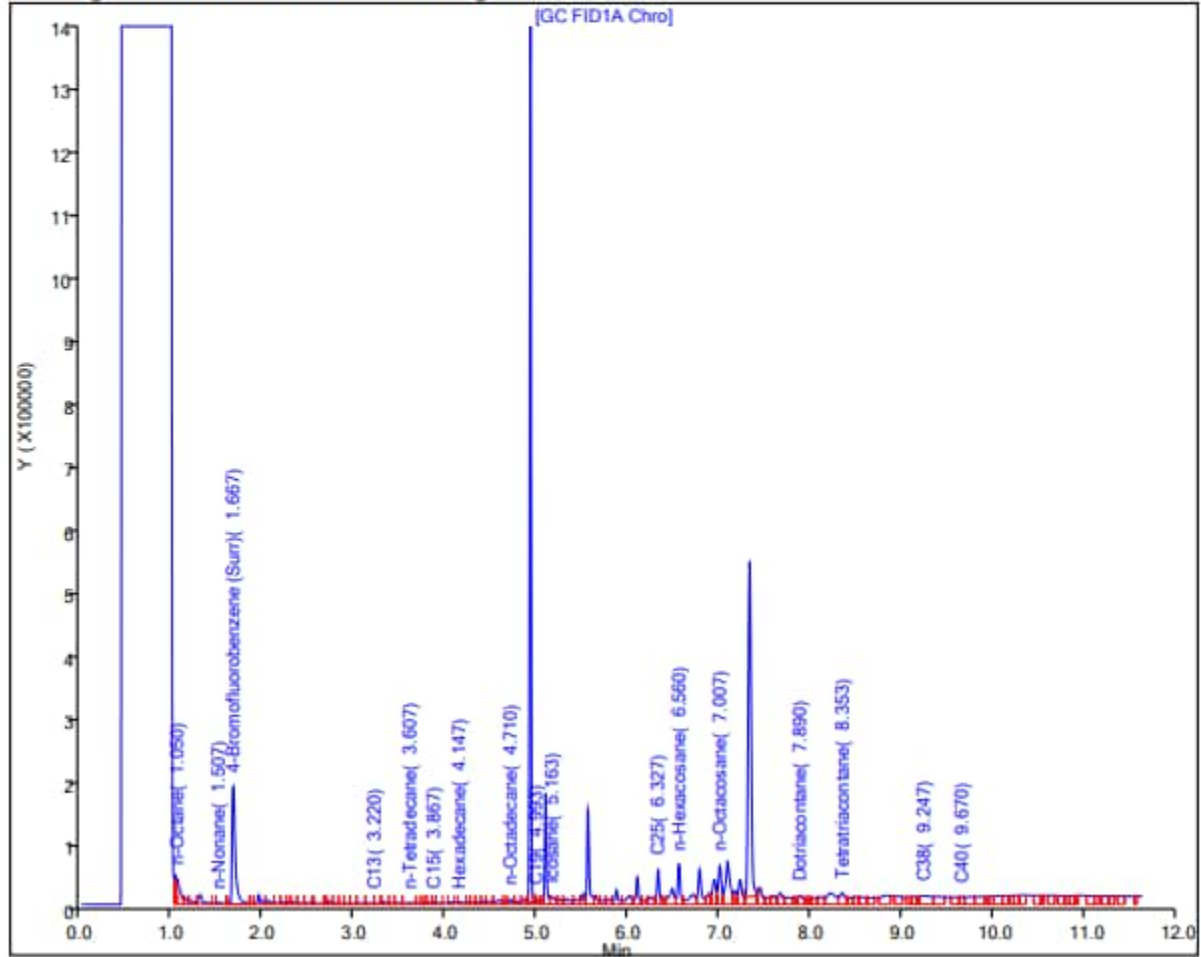
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW04A Sample ID: OWDFMW04A-WGN01LF-2301WK4 Sample Date: 1/24/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 31-Jan-2023 11:47:07

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230130-86859.b\013023_025.D

Injection Date: 30-Jan-2023 17:03:59

Instrument ID: TAC020

Lims ID: 580-122632-E-5-A

Lab Sample ID: 580-122632-5

Client ID: OWDFMW04A-WGN01LF-2301WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 25

Injection Vol: 1.0 ul

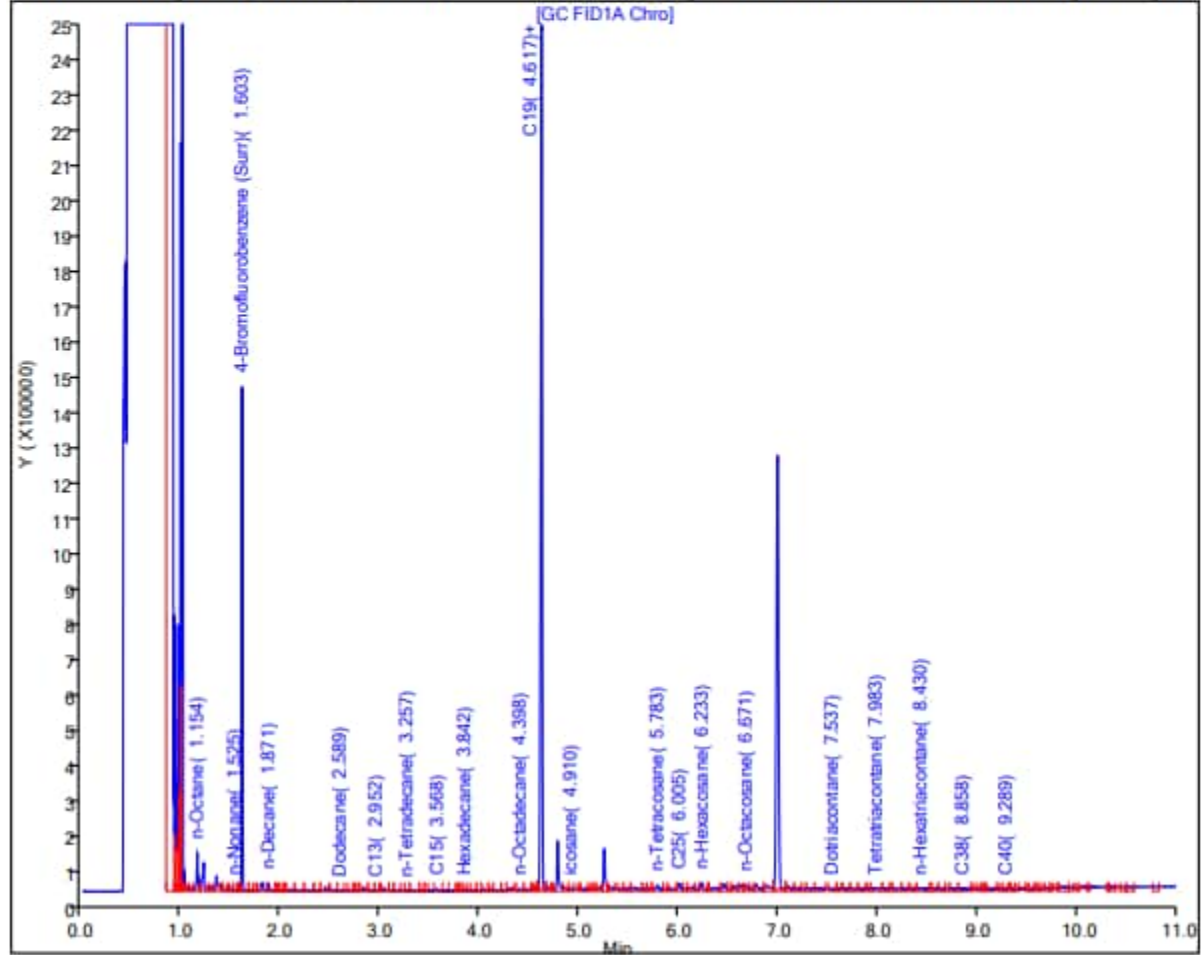
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW04A Sample ID: OWDFMW04A-WGFD01LF-2301WK4 Sample Date: 1/24/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <94 U TPH-o (C24 to C40) <280 U

Report Date: 31-Jan-2023 11:47:12

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230130-86859.b\013023_026.D

Injection Date: 30-Jan-2023 17:24:07 Instrument ID: TAC020

Lims ID: 580-122632-A-7-A Lab Sample ID: 580-122632-7

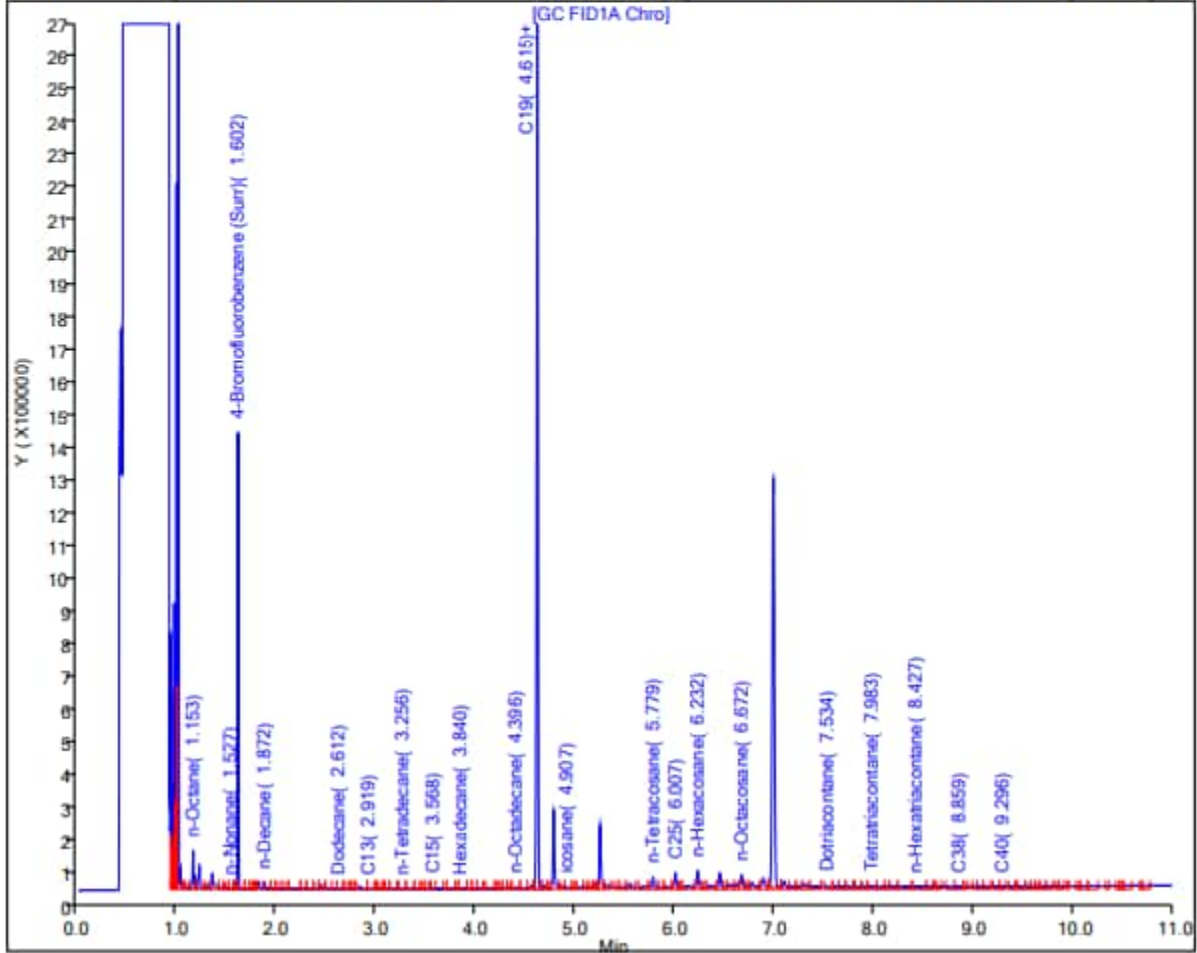
Client ID: OWDFMW04A-WGFD01LF-2301WK4

Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW04A Sample ID: OWDFMW04A-WGFD01LF-2303WK1 Sample Date: 3/10/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <85 U

TPH-o (C24 to C40) <260 U

Report Date: 17-Mar-2023 08:56:30

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230316-87522.b\031623A055.D

Injection Date: 17-Mar-2023 04:20:47

Instrument ID: TAC020

Lims ID: 580-124656-J-3-A

Lab Sample ID: 580-124656-3

Client ID: OWDFM04A-WGFD01LF-2303WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 55

Injection Vol: 1.0 ul

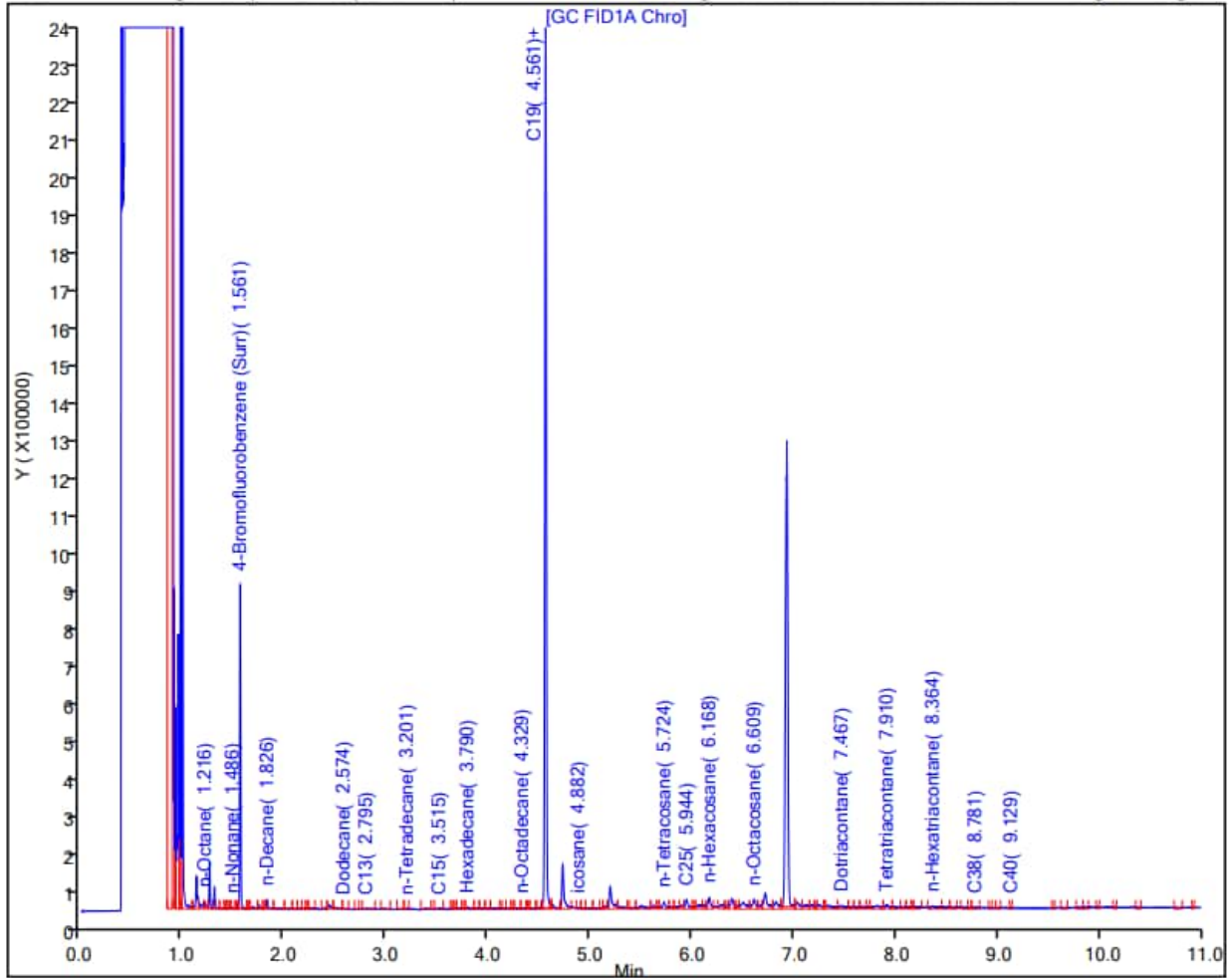
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW05A Sample ID: OWDFMW05A-WGN02LF-2211WK3 Sample Date: 11/23/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 01-Dec-2022 15:24:58

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221130-86038.b\1130a22_015.D

Injection Date: 01-Dec-2022 01:48:30

Instrument ID: TAC020

Lims ID: 580-120438-N-10-A

Lab Sample ID: 580-120438-10

Client ID: OWDFMW05A-WGN02LF-2211WK3

Operator ID: DH

ALS Bottle#: 15

Worklist Smp#: 35

Injection Vol: 1.0 ul

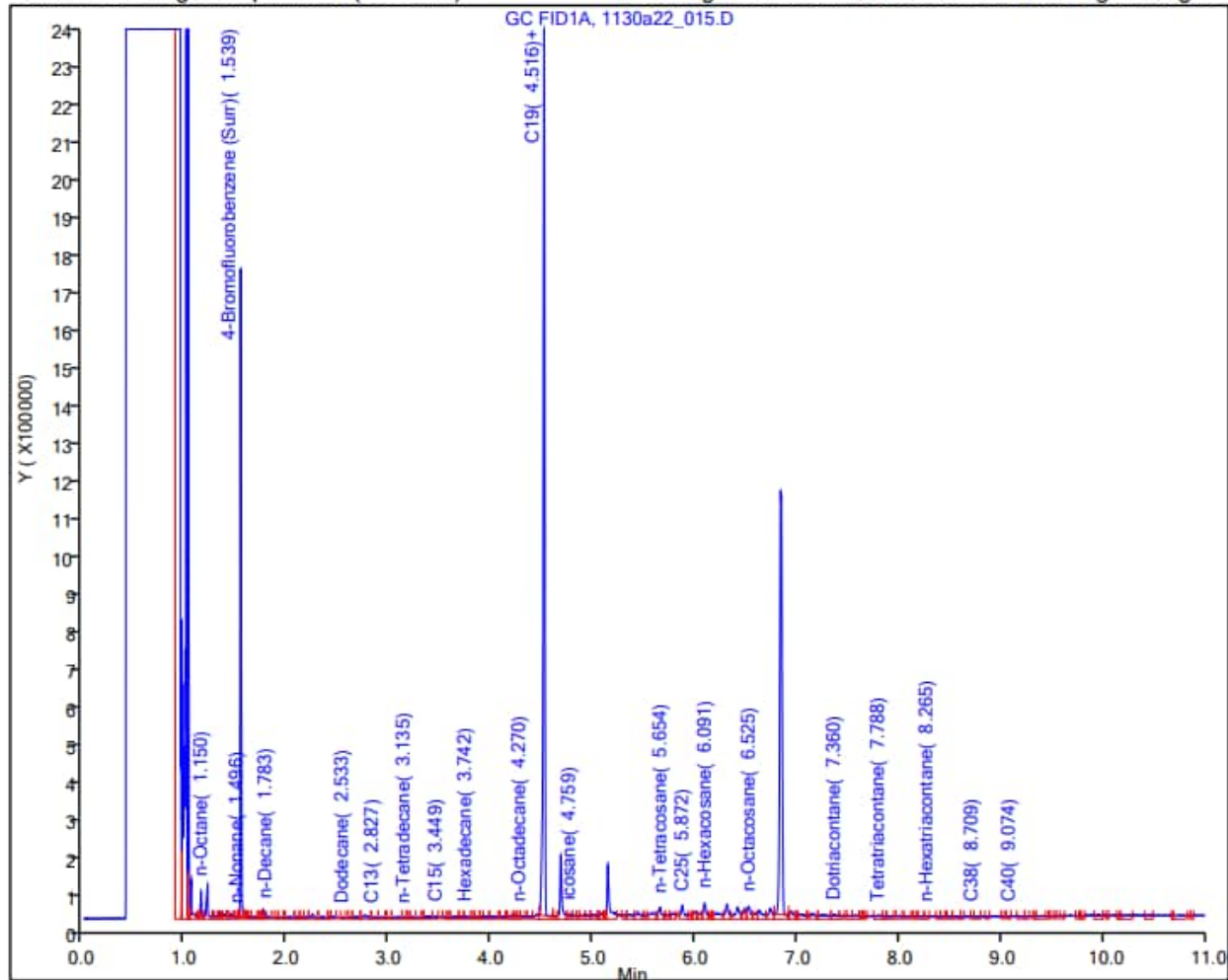
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW05A Sample ID: OWDFMW05A-WGN01LF-2212WK3 Sample Date: 12/19/2022
Lab: Eurofins Seattle

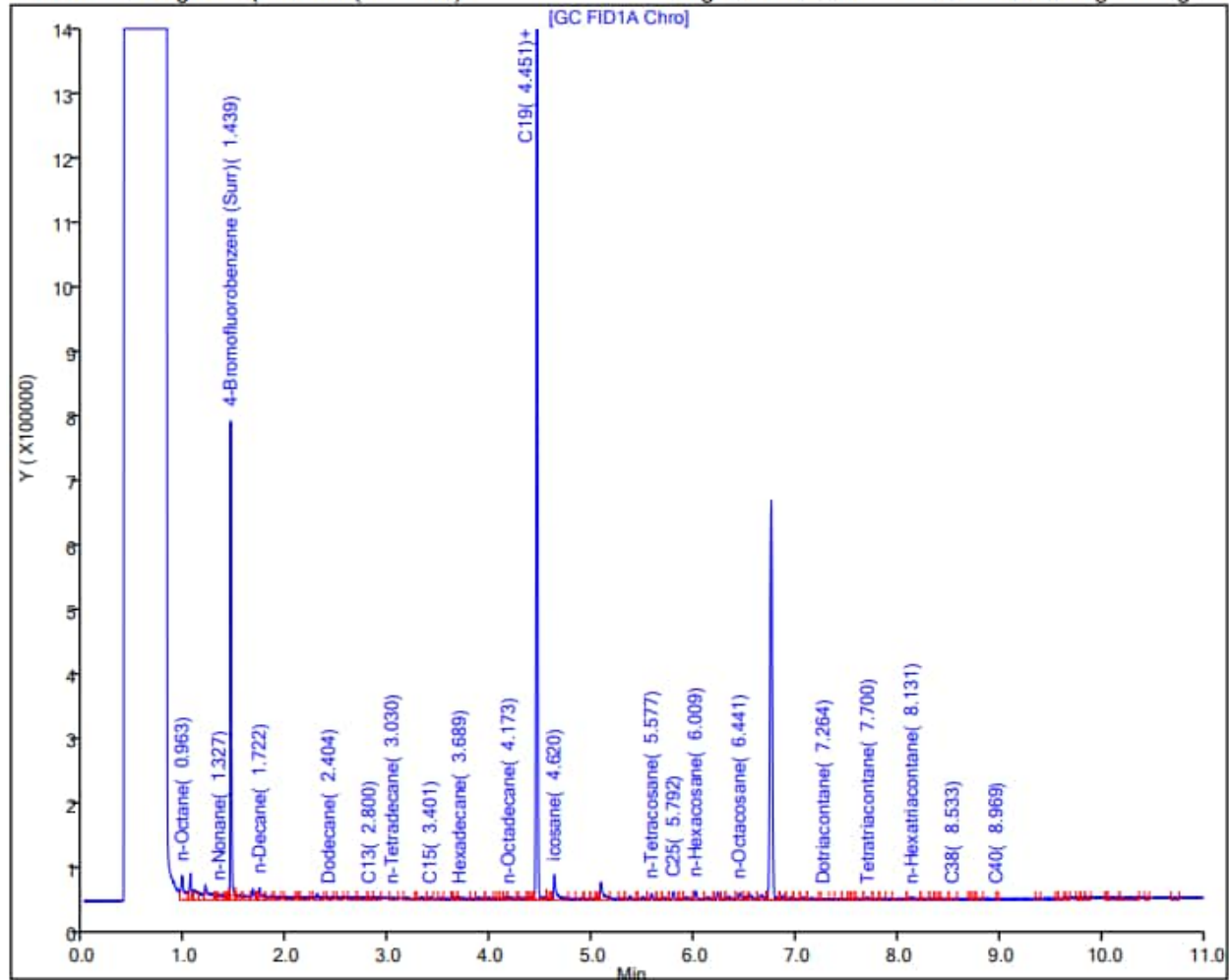
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 27-Dec-2022 12:37:02

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20221222-86386.b\12222022_032.D
Injection Date: 23-Dec-2022 02:36:45 Instrument ID: TAC020
Lims ID: 580-121415-O-8-A Lab Sample ID: 580-121415-8
Client ID: OWDFMW05A-WGN01LF-2212WK3
Operator ID: DH AI S Bottle#: 0 Worklist Smp#: 44
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW05A Sample ID: OWDFMW05A-WGN01LF-2212WK4 Sample Date: 12/29/2022
Lab: Eurofins Seattle

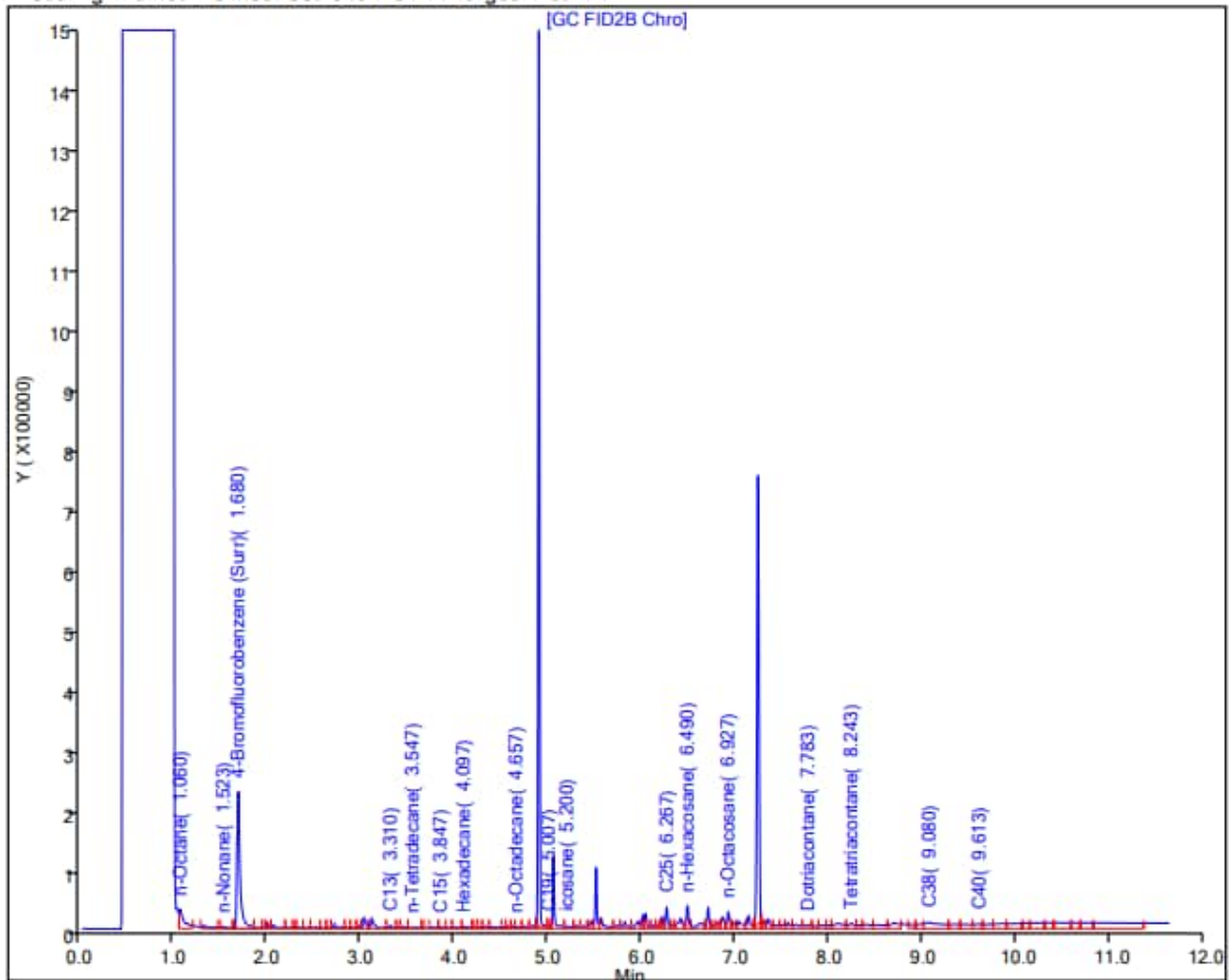
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 11-Jan-2023 14:11:43

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A035.D
Injection Date: 06-Jan-2023 18:11:15 Instrument ID: TAC129_R
Lims ID: 580-121697-F-13-A Lab Sample ID: 580-121697-13
Client ID: OWDFMW05A-WGN01LF-2212WK4
Operator ID: CC ALS Bottle#: 0 Worklist Smp#: 47
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW05A Sample ID: OWDFMW05A-WGN01LF-2301WK1 Sample Date: 1/5/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 13-Jan-2023 10:46:33

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230112-86634.b\011223A028.D

Injection Date: 12-Jan-2023 16:02:26

Instrument ID: TAC129

Lims ID: 580-121931-N-3-A

Lab Sample ID: 580-121931-3

Client ID: OWDFMW05A-WGN01LF-2301WK1

Operator ID: kw/cc

ALS Bottle#: 0

Worklist Smp#: 42

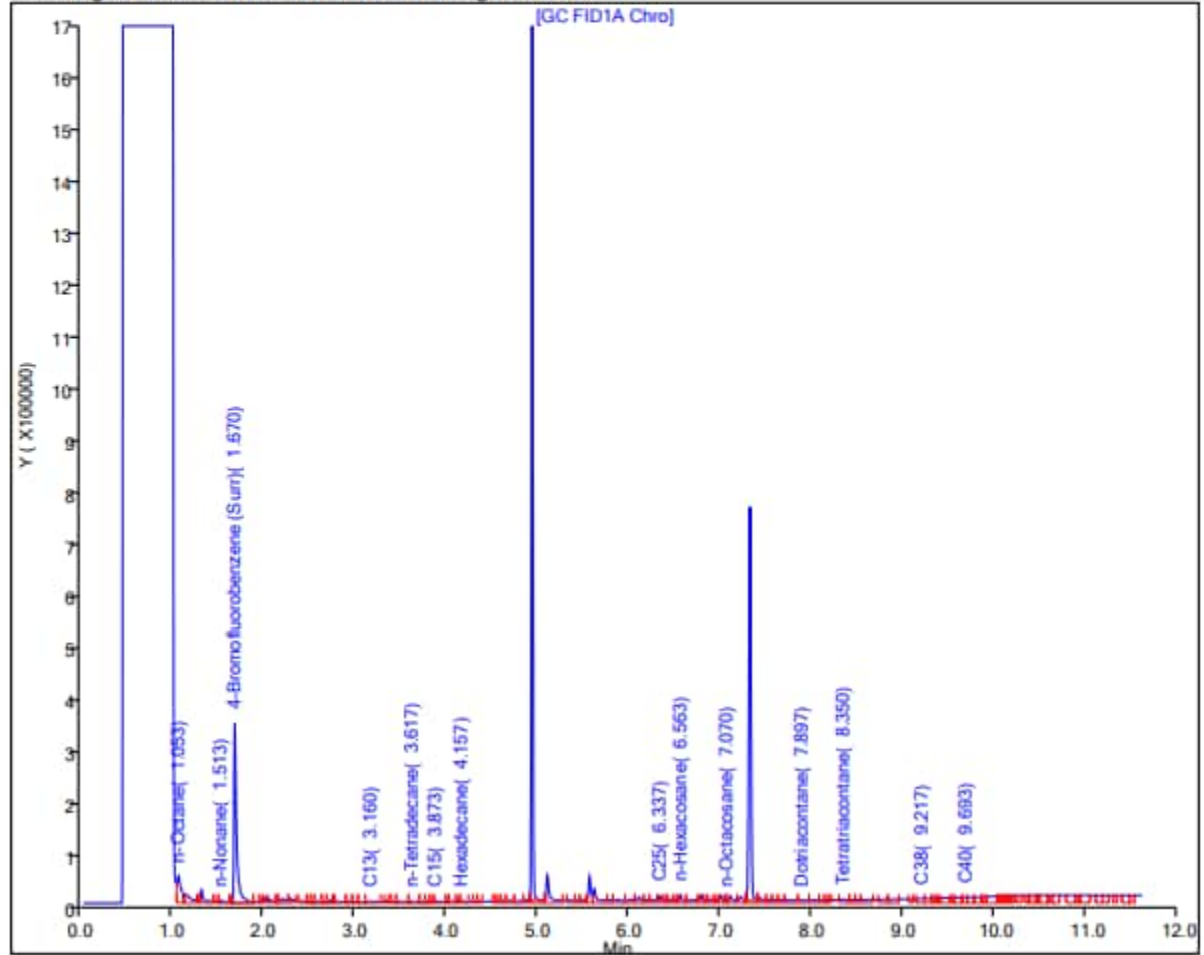
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW05A Sample ID: OWDFMW05A-WGN01LF-2301WK2 Sample Date: 1/11/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 18-Jan-2023 09:34:00

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A053.D

Injection Date: 18-Jan-2023 05:32:49

Instrument ID: TAC129_R

Lims ID: 580-122145-O-6-A

Lab Sample ID: 580-122145-6

Client ID: OWDFMW05A-WGN01LF-2301WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 56

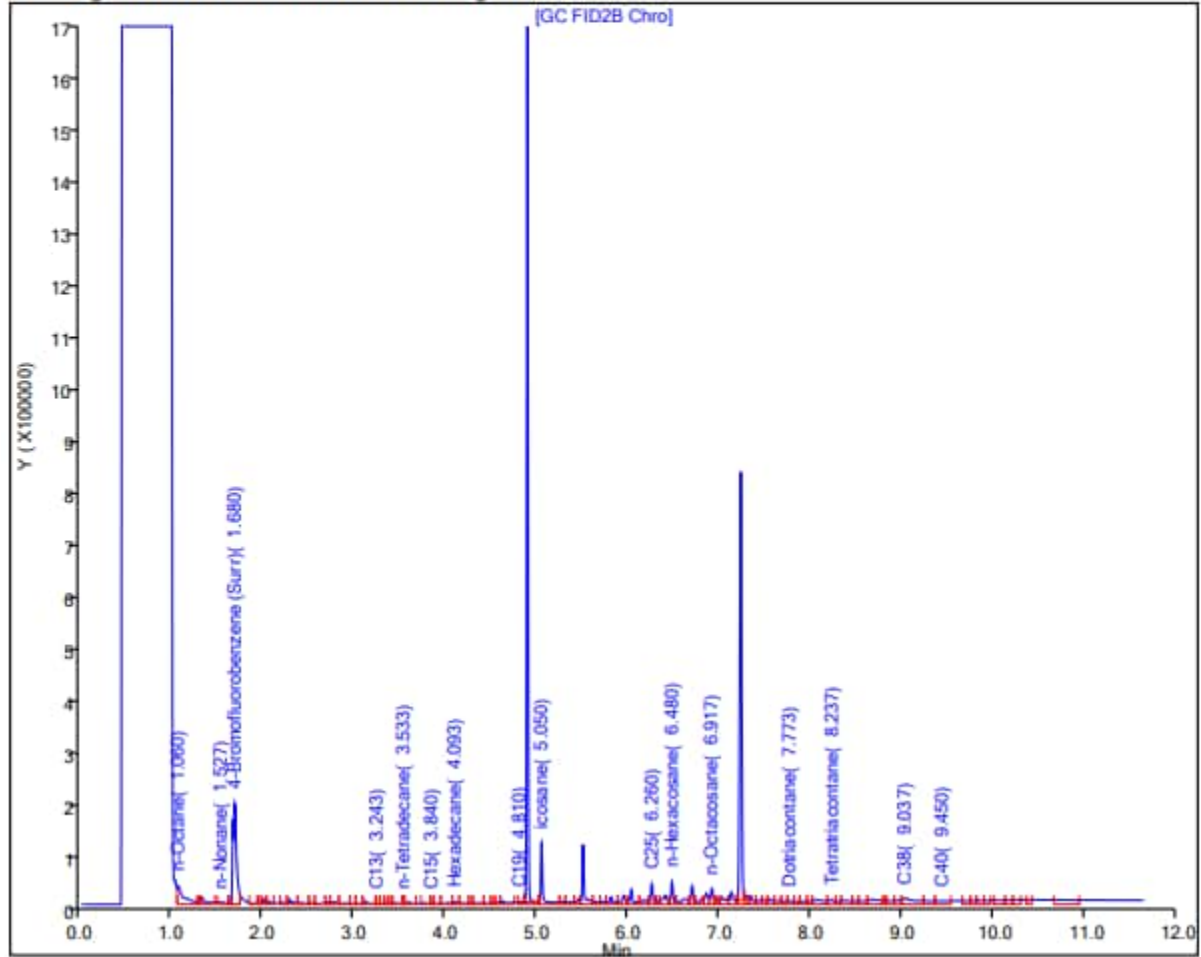
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

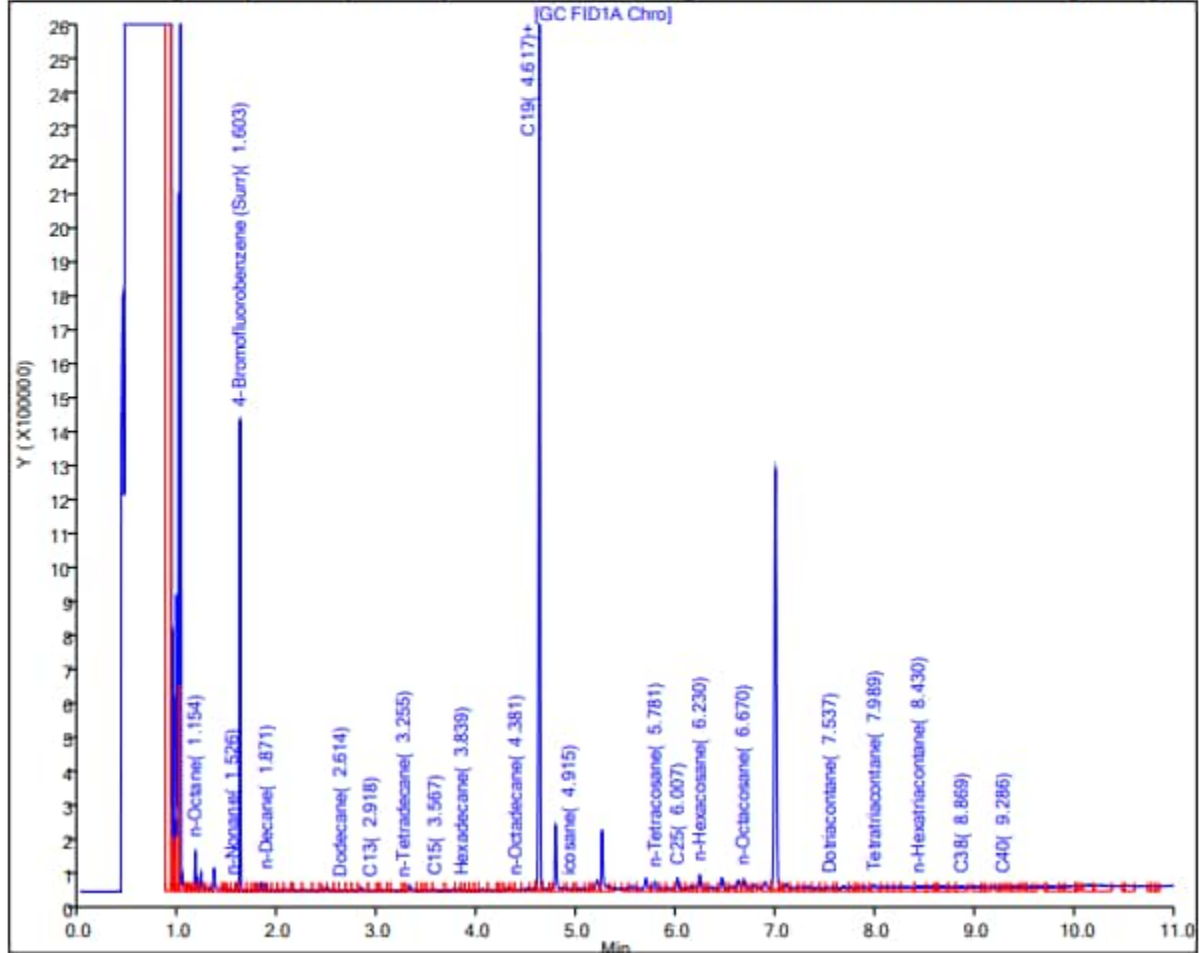
Location: OWDFMW05A Sample ID: OWDFMW05A-WGN01LF-2301WK3 Sample Date: 1/18/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 UJ TPH-o (C24 to C40) <300 UJ

Report Date: 31-Jan-2023 11:46:15

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230130-86859.b\013023_018.D
Injection Date: 30-Jan-2023 14:42:42 Instrument ID: TAC020
Lims ID: 580-122415-O-1-A Lab Sample ID: 580-122415-1
Client ID: OWDFMW05A-WGN01LF-2301WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

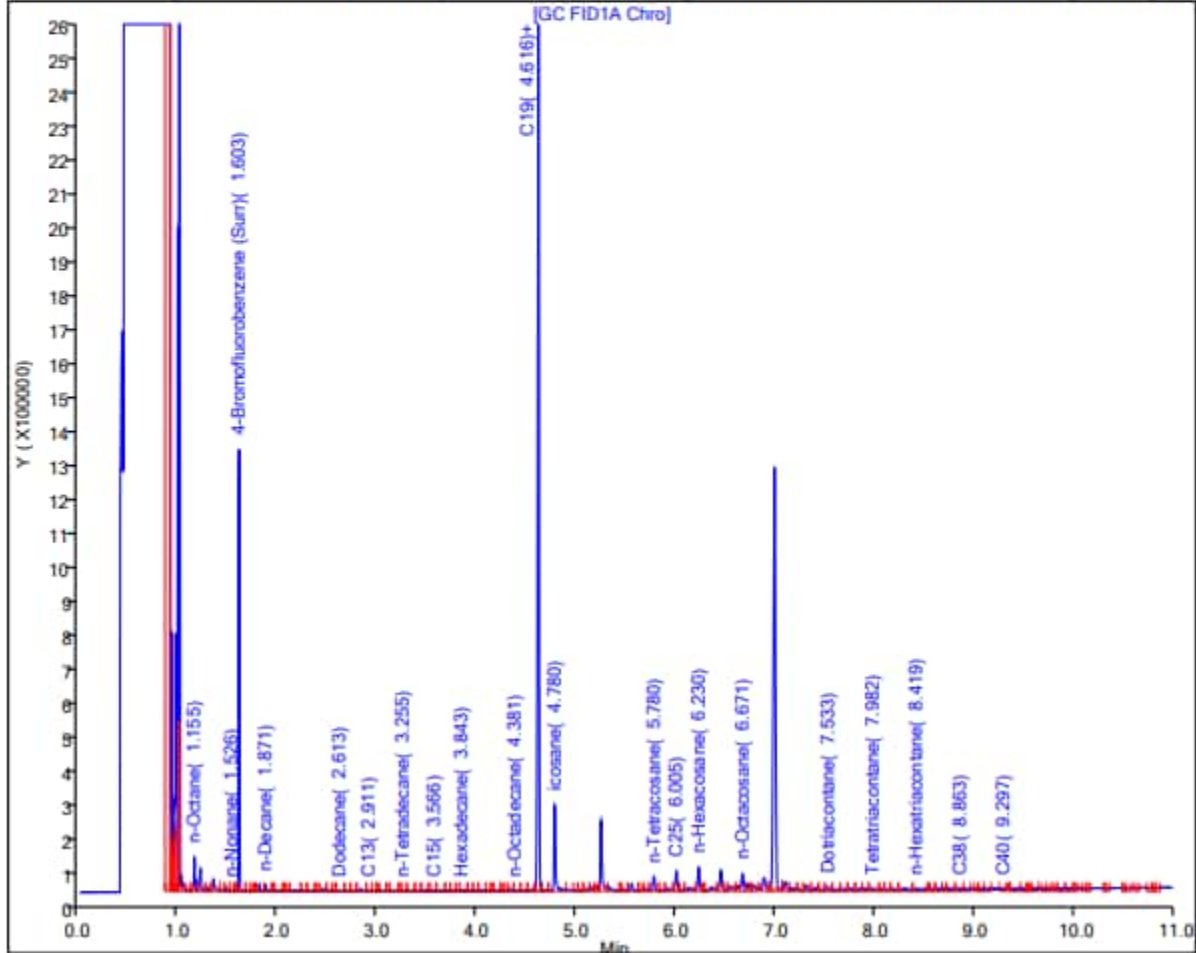


No Silica Gel Cleanup performed.

Location: OWDFMW05A Sample ID: OWDFMW05A-WGN01LF-2301WK4 Sample Date: 1/24/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 31-Jan-2023 11:47:02 Chrom Revision: 2.3 28-Jan-2023 14:03:14
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230130-86859.b\013023_024.D
Injection Date: 30-Jan-2023 16:43:45 Instrument ID: TAC020
Lims ID: 580-122632-F-3-A Lab Sample ID: 580-122632-3
Client ID: OWDFMW05A-WGN01LF-2301WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW05A Sample ID: OWDFMW05A-WGN01LF-2303WK1 Sample Date: 3/10/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <81 U

TPH-o (C24 to C40) <240 U

Report Date: 17-Mar-2023 08:56:35

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230316-87522.b\031623A056.D

Injection Date: 17-Mar-2023 04:40:58

Instrument ID: TAC020

Lims ID: 580-124656-N-4-A

Lab Sample ID: 580-124656-4

Client ID: OWDFM05A-WGN01LF-2303WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 56

Injection Vol: 1.0 ul

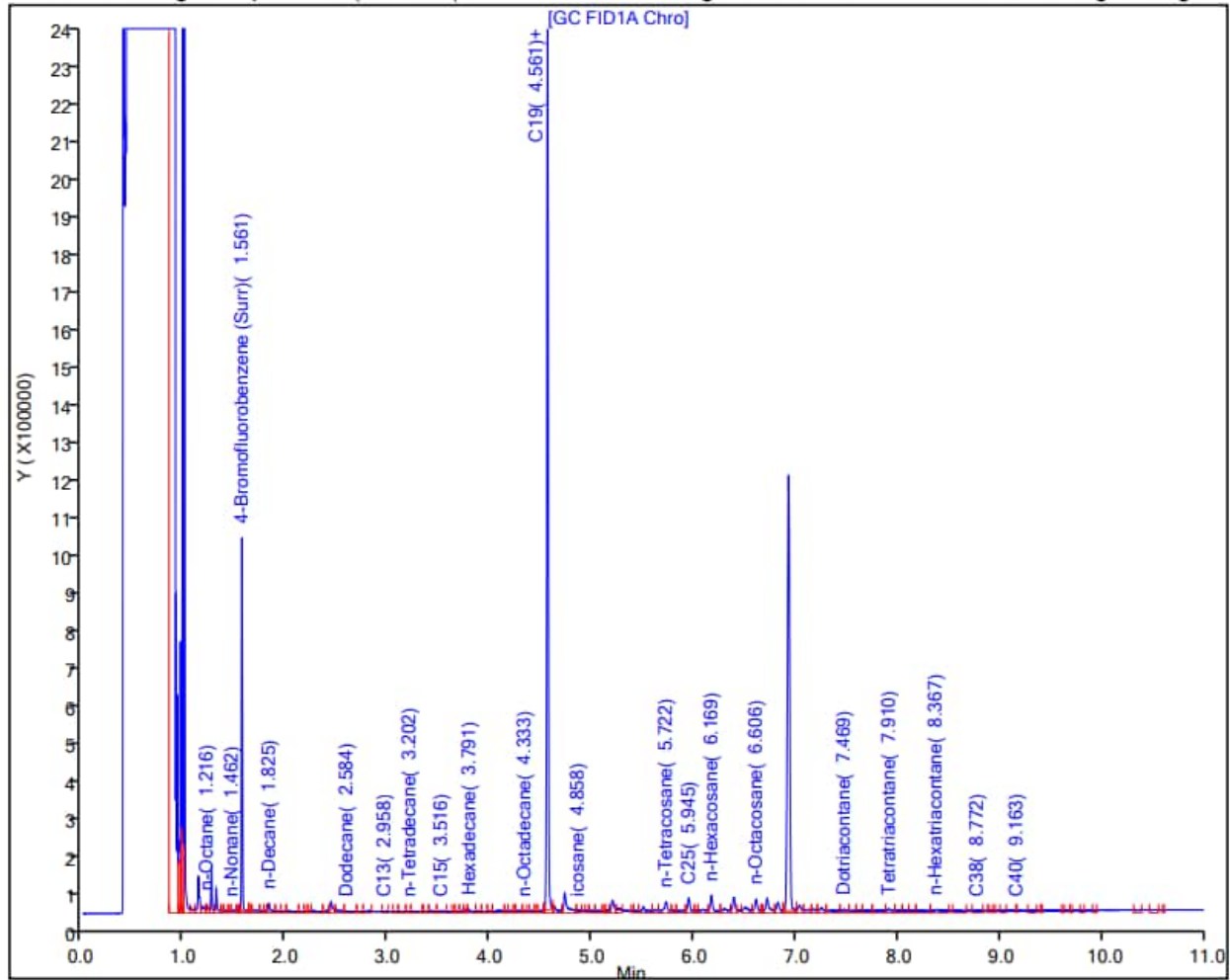
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW07A Sample ID: OWDFMW07A-WGN01LF-2211WK1 Sample Date: 11/8/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <81 U TPH-o (C24 to C40) <240 U

Report Date: 15-Nov-2022 19:16:32

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85802.b\1114aa22A055.D

Injection Date: 15-Nov-2022 07:00:56

Instrument ID: TAC129_R

Lims ID: 580-119908-O-9-A

Lab Sample ID: 580-119908-9

Client ID: OWDFMW07A-WGN01LF-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 28

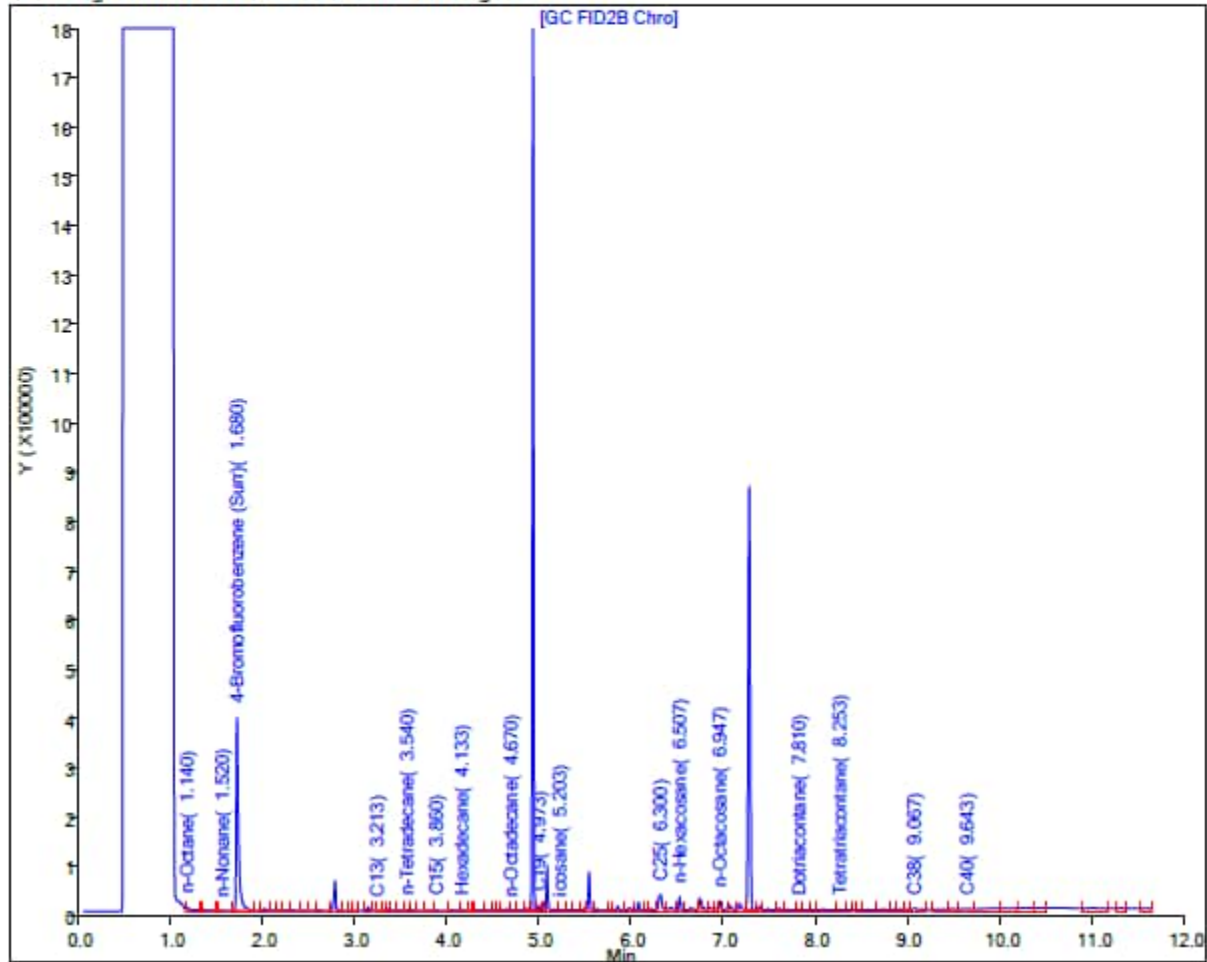
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW07A Sample ID: OWDFMW07A-WGN02LF-2211WK3 Sample Date: 11/23/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 01-Dec-2022 15:25:09

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221130-86038.b\1130a22_018.D

Injection Date: 01-Dec-2022 02:48:30

Instrument ID: TAC020

Lims ID: 580-120438-N-15-A

Lab Sample ID: 580-120438-15

Client ID: OWDFMW07A-WGN02LF-2211WK3

Operator ID: DH

ALS Bottle#: 18

Worklist Smp#: 38

Injection Vol: 1.0 ul

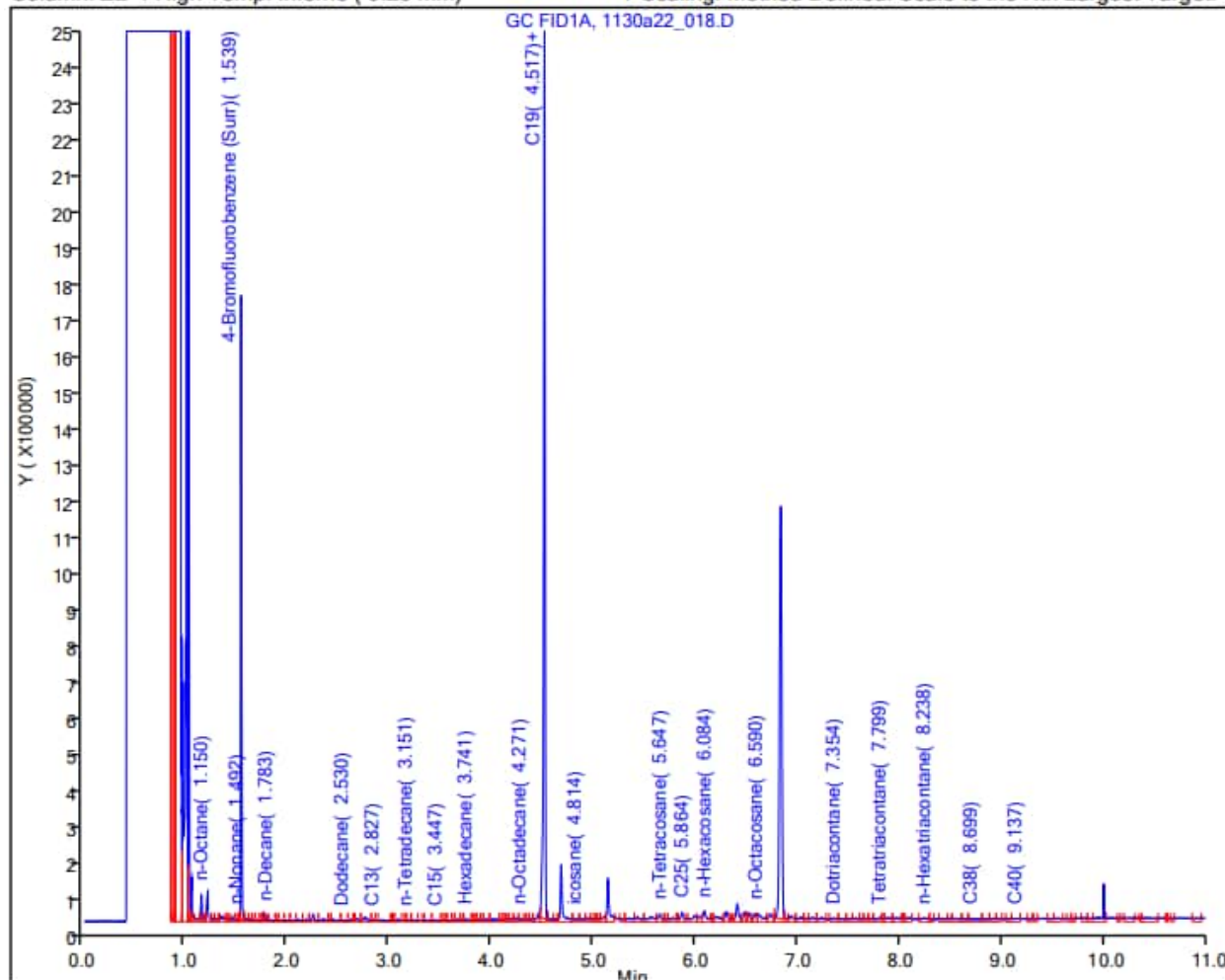
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW07A Sample ID: OWDFMW07A-WGN01LF-2212WK3 Sample Date: 12/22/2022
Lab: Eurofins Seattle

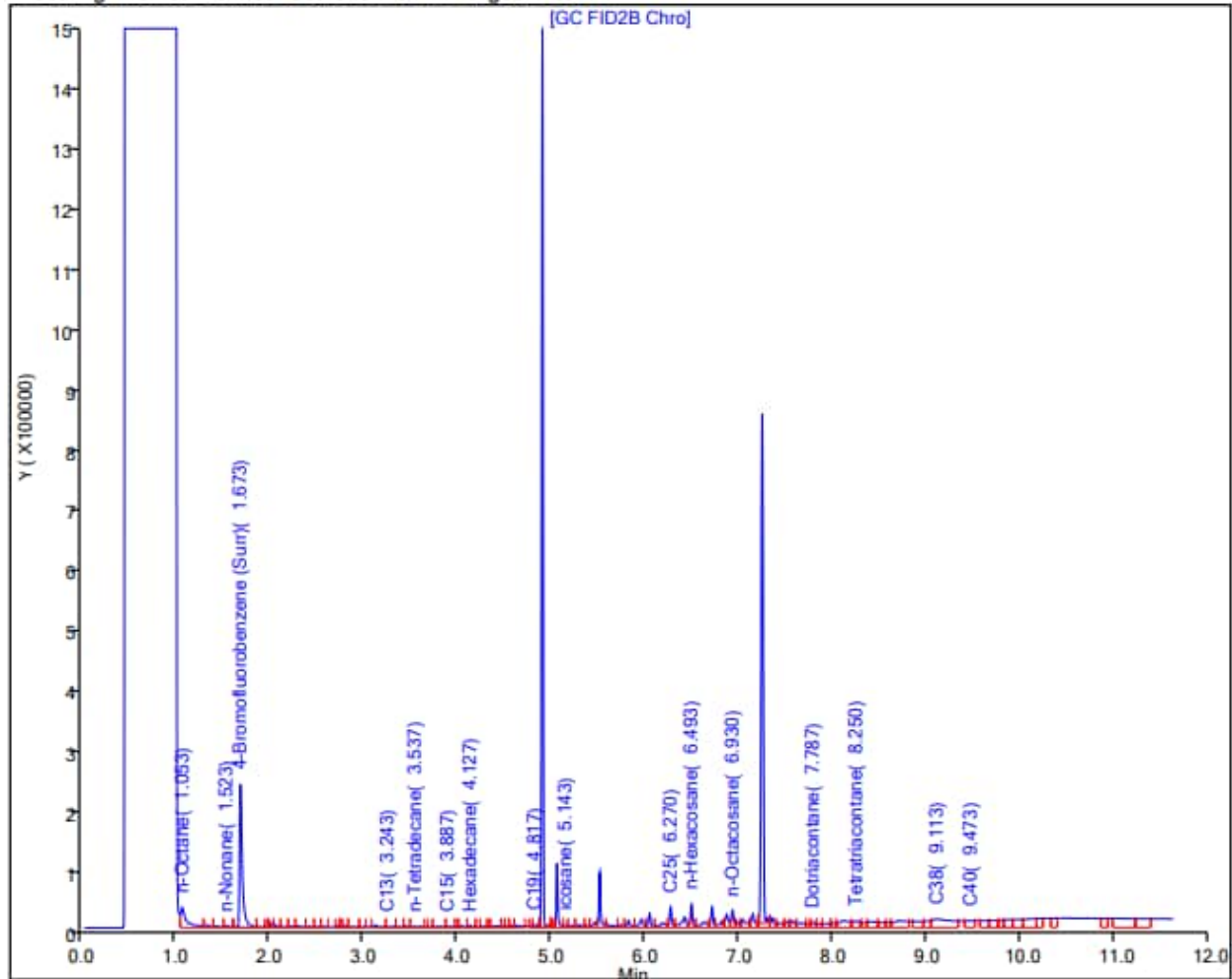
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 04-Jan-2023 18:44:41

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221229-86444.b\122922A053.D
Injection Date: 29-Dec-2022 21:52:04 Instrument ID: TAC129_R
Lims ID: 580-121570-E-22-A Lab Sample ID: 580-121570-22
Client ID: OWDFMW07A-WGN01LF-2212WK3
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 73
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW07A Sample ID: OWDFMW07A-WGN01LF-2212WK4 Sample Date: 12/27/2022
Lab: Eurofins Seattle

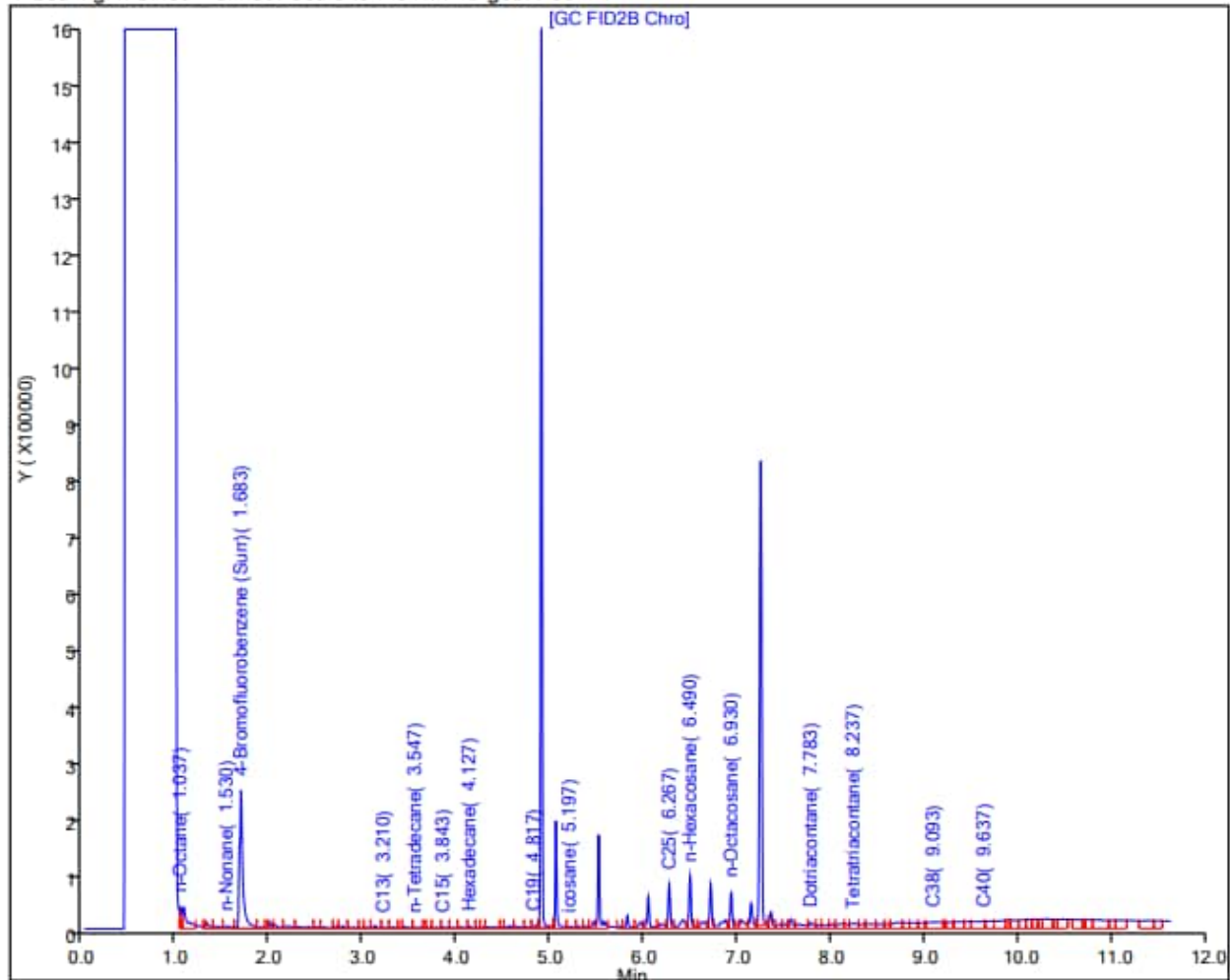
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 05-Jan-2023 22:00:19

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A019.D
Injection Date: 05-Jan-2023 18:03:54 Instrument ID: TAC129_R
Lims ID: 580-121597-F-1-A Lab Sample ID: 580-121597-1
Client ID: OWDFMW07A-WGN01LF-2212WK4
Operator ID: CC ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW07A Sample ID: OWDFMW07A-WGN01LF-2301WK1 Sample Date: 1/3/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 300 TPH-o (C24 to C40) <310 U

Report Date: 13-Jan-2023 14:24:57

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\011223A067.D

Injection Date: 12-Jan-2023 22:17:43 Instrument ID: TAC129_R

Lims ID: 580-121791-N-12-A Lab Sample ID: 580-121791-12

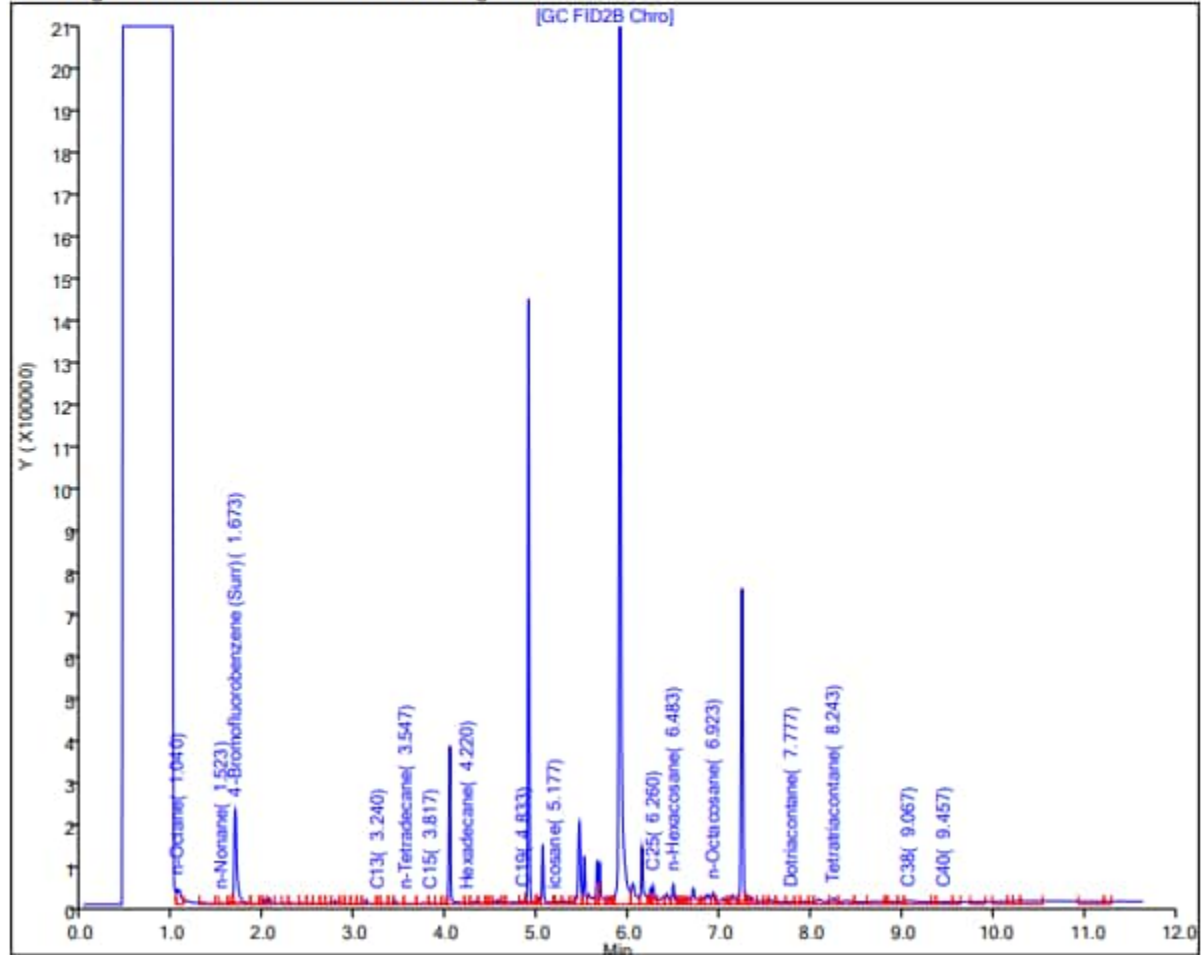
Client ID: OWDFMW07A-WGN01LF-2301WK1

Operator ID: kw/cc ALS Bottle#: 0 Worklist Smp#: 29

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 18-Jan-2023 09:31:53

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A011.D

Injection Date: 17-Jan-2023 23:02:24

Instrument ID: TAC129_R

Lims ID: 580-121791-N-12-B

Lab Sample ID: 580-121791-12

Client ID: OWDFMW07A-WGN01LF-2301WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 35

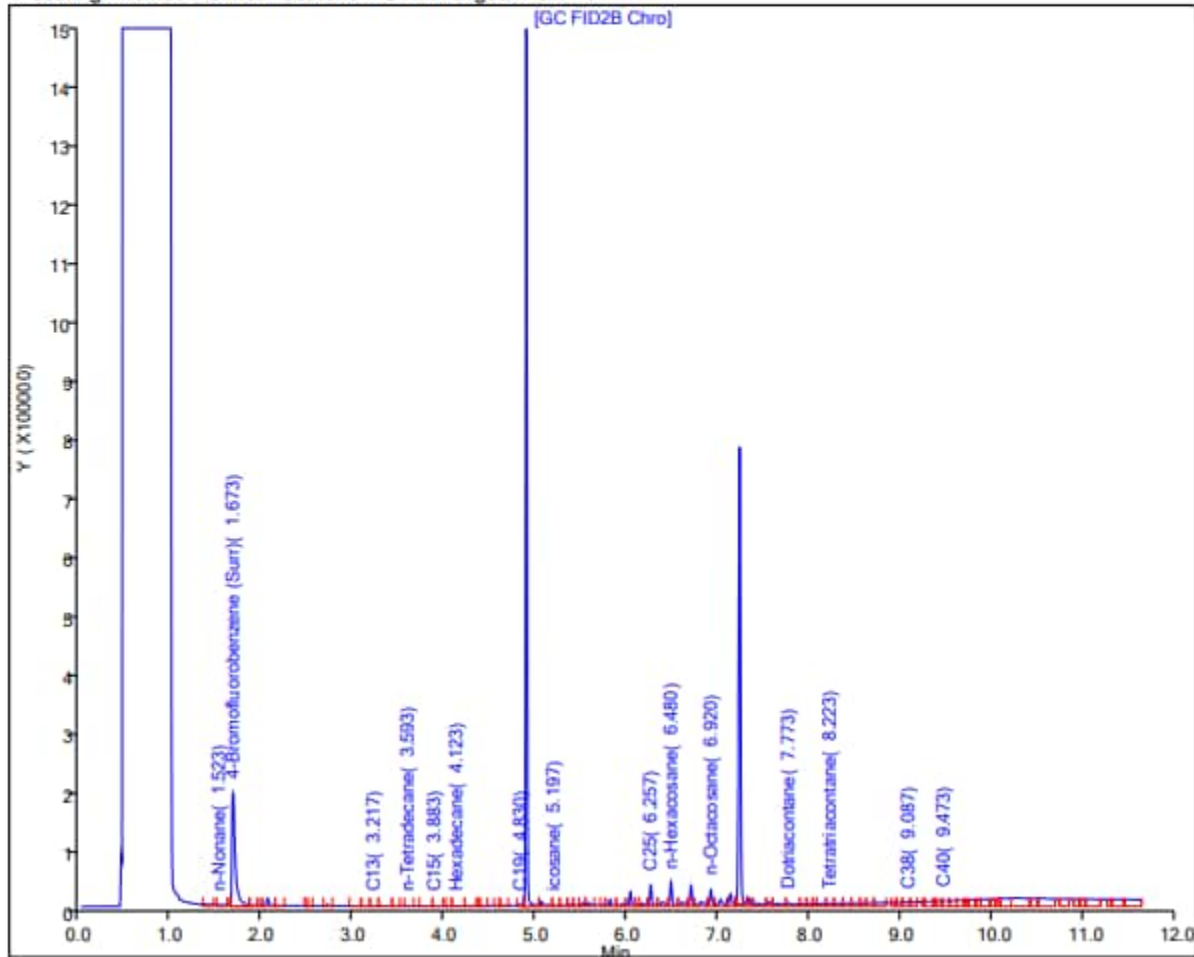
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: OWDFMW07A Sample ID: OWDFMW07A-WGN01LF-2301WK2 Sample Date: 1/9/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 18-Jan-2023 09:37:05

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86698.b\011723A033.D

Injection Date: 17-Jan-2023 13:30:18

Instrument ID: TAC129_R

Lims ID: 580-122000-O-1-A

Lab Sample ID: 580-122000-1

Client ID: OWDFMW07A-WGN01LF-2301WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 16

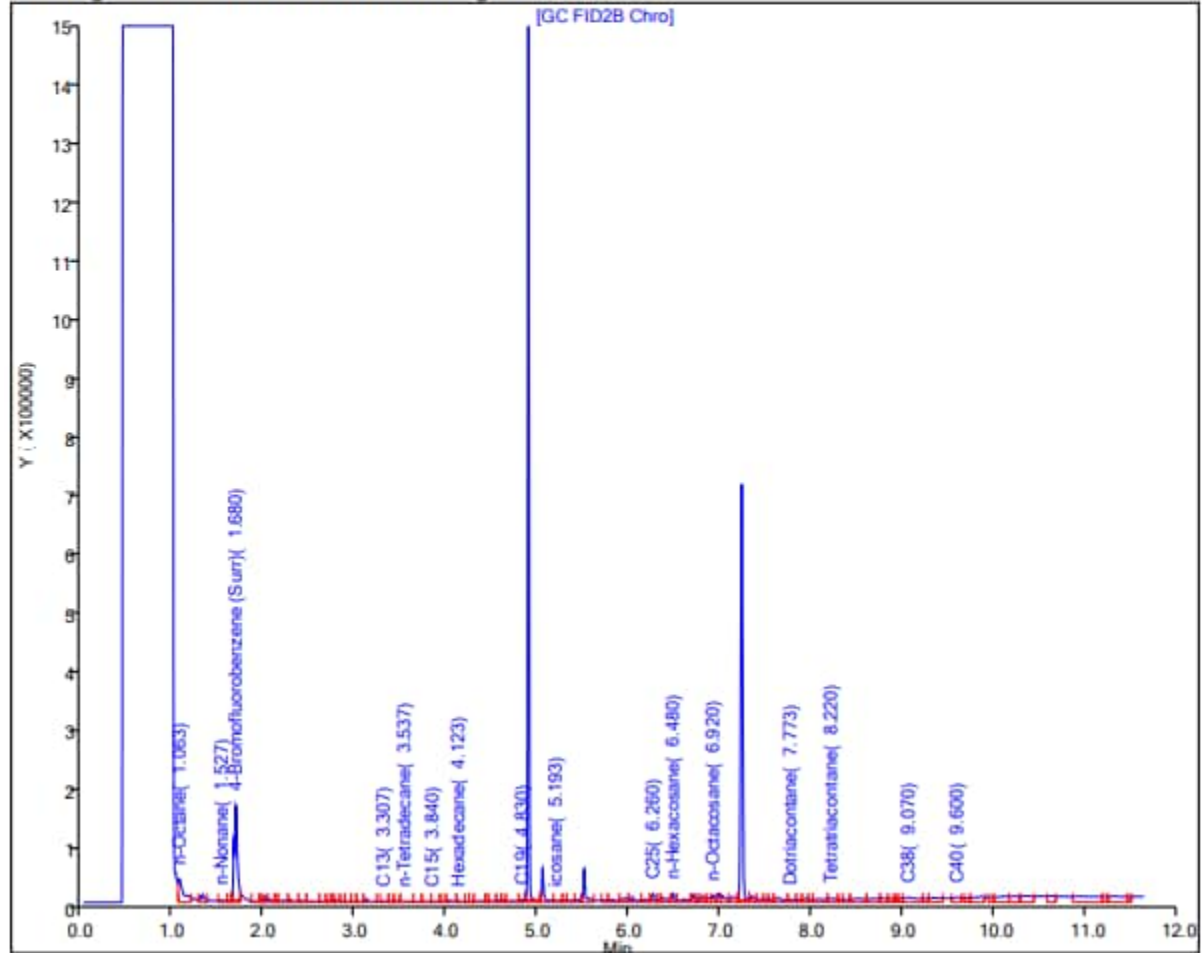
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW07A Sample ID: OWDFMW07A-WGN01LF-2301WK3 Sample Date: 1/16/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 24-Jan-2023 08:31:59

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_062.D

Injection Date: 24-Jan-2023 06:35:49

Instrument ID: TAC020

Lims ID: 580-122282-O-1-A

Lab Sample ID: 580-122282-1

Client ID: OWDFMW07A-WGN01LF-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 62

Injection Vol: 1.0 ul

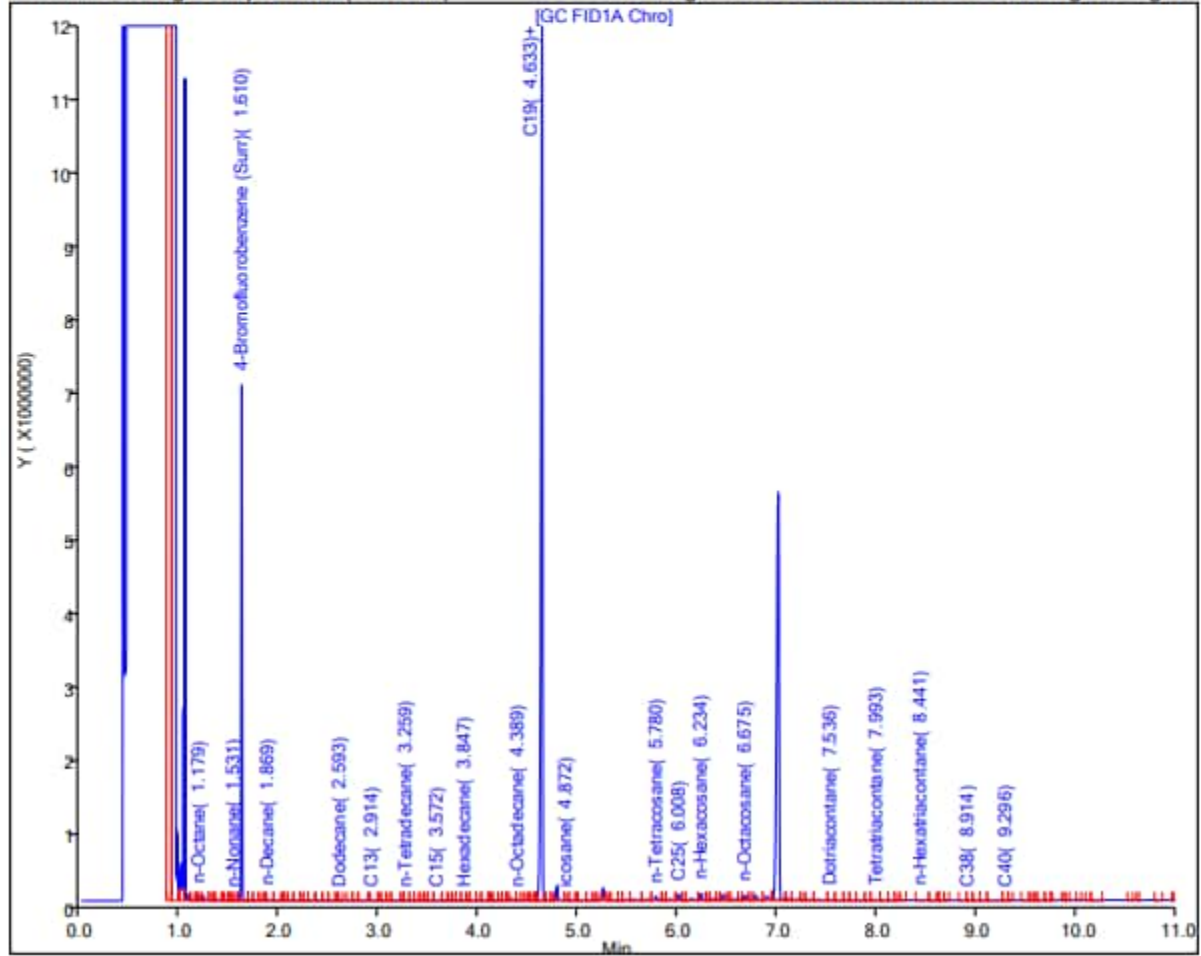
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW07A Sample ID: OWDFMW07A-WGN01LF-2301WK4 Sample Date: 1/23/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 30-Jan-2023 09:43:08

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230127-86843.b\0127b23A020.D

Injection Date: 27-Jan-2023 19:38:35

Instrument ID: TAC129

Lims ID: 580-122588-N-7-A

Lab Sample ID: 580-122588-7

Client ID: OWDFMW07A-WGN01LF-2301WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 39

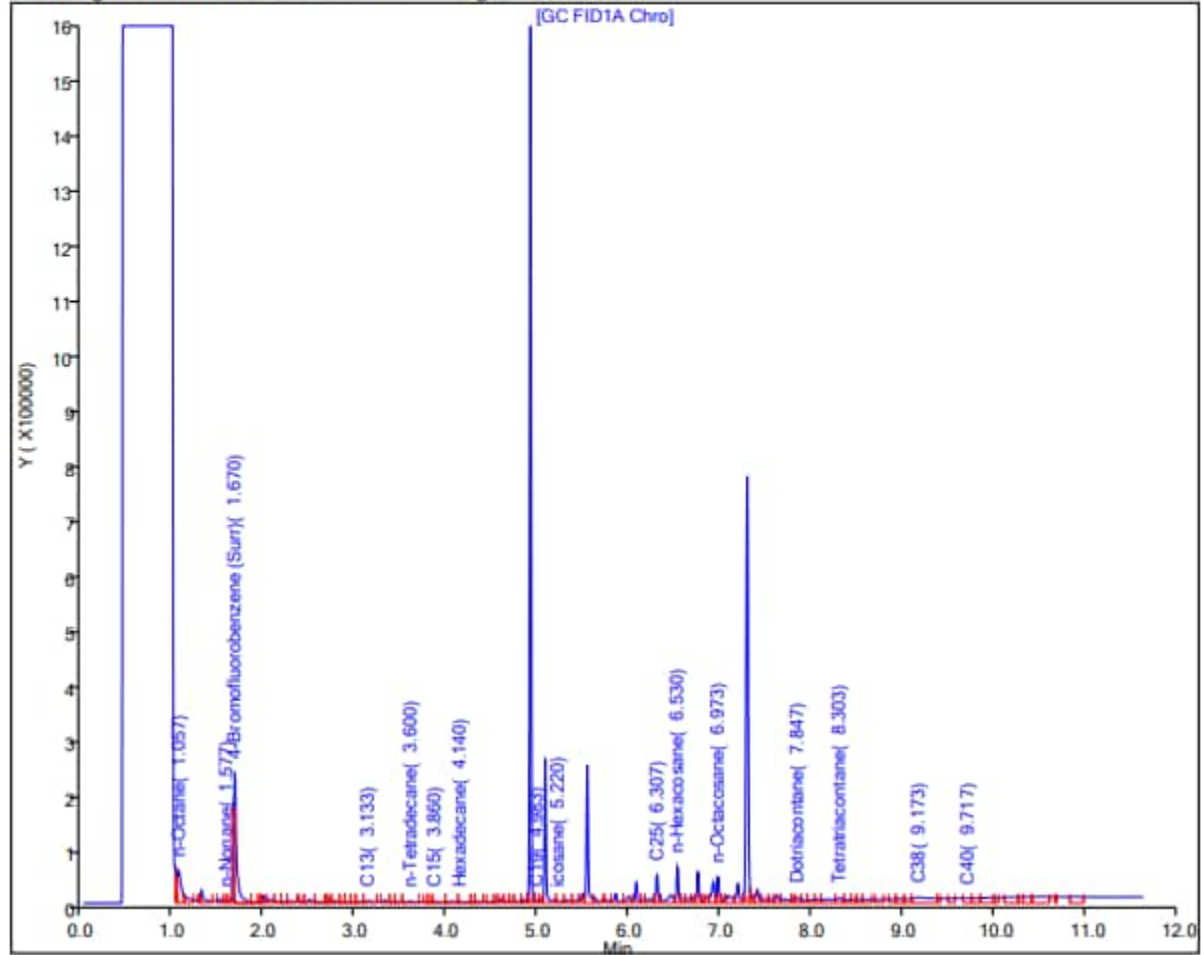
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW07A Sample ID: OWDFMW07A-WGN01LF-2302WK2 Sample Date: 2/13/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 17-Feb-2023 08:24:35

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230216-87126.b\0216a23A057.D

Injection Date: 16-Feb-2023 23:16:52

Instrument ID: TAC129_R

Lims ID: 580-123477-O-3-A

Lab Sample ID: 580-123477-3

Client ID: OWDFMW07A-WGN01LF-2302WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 29

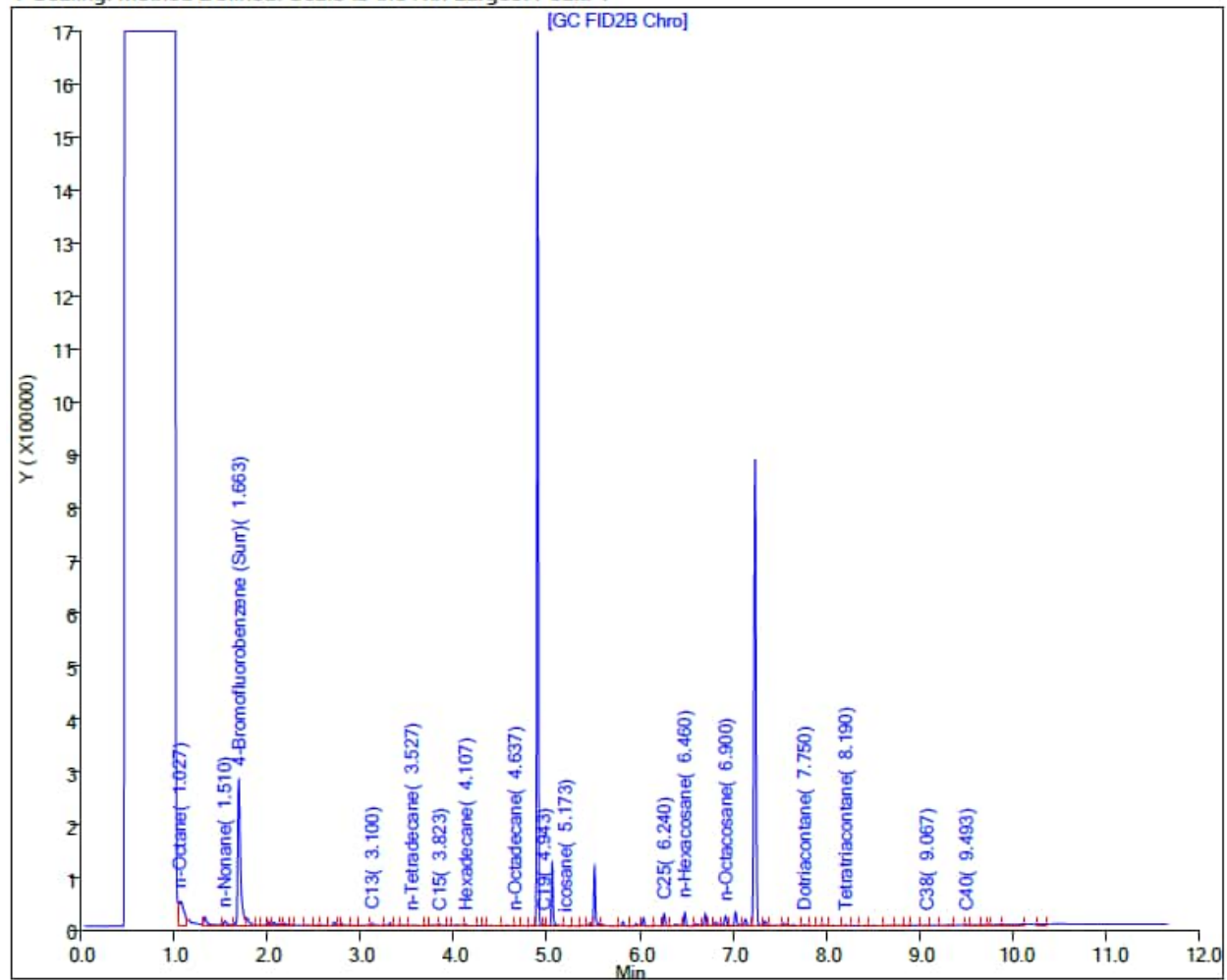
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW07A Sample ID: OWDFMW07A-WGN01LF-2302WK3 Sample Date: 2/24/2023
Lab: Eurofins Seattle

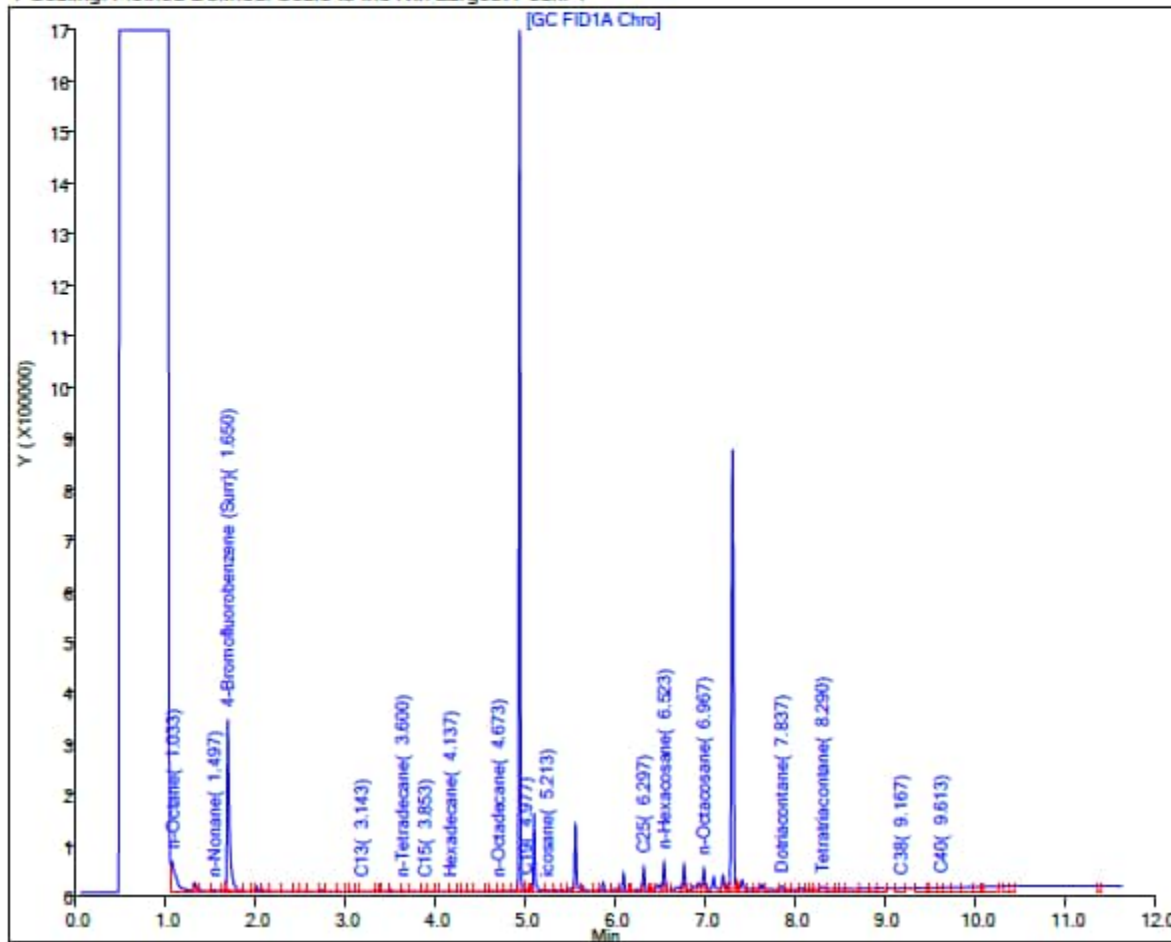
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 02-Mar-2023 10:22:23

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\0301a23A056.D
Injection Date: 01-Mar-2023 23:20:23 Instrument ID: TAC129
Lims ID: 580-123967-O-7-A Lab Sample ID: 580-123967-7
Client ID: OWDFMW07A-WGN01LF-2302WK3
Operator ID: KW/ ALS Bottle#: 0 Worklist Smp#: 75
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW07A Sample ID: OWDFMW07A-WGN01LF-2302WK4 Sample Date: 2/27/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <110 U

TPH-o (C24 to C40) <330 U

Report Date: 03-Mar-2023 09:37:42

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129\20230302-87325.b\030223A046.D

Injection Date: 02-Mar-2023 23:48:47

Instrument ID: TAC129

Lims ID: 580-124029-O-1-A

Lab Sample ID: 580-124029-1

Client ID: OWDFMW07A-WGN01LF-2302WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 23

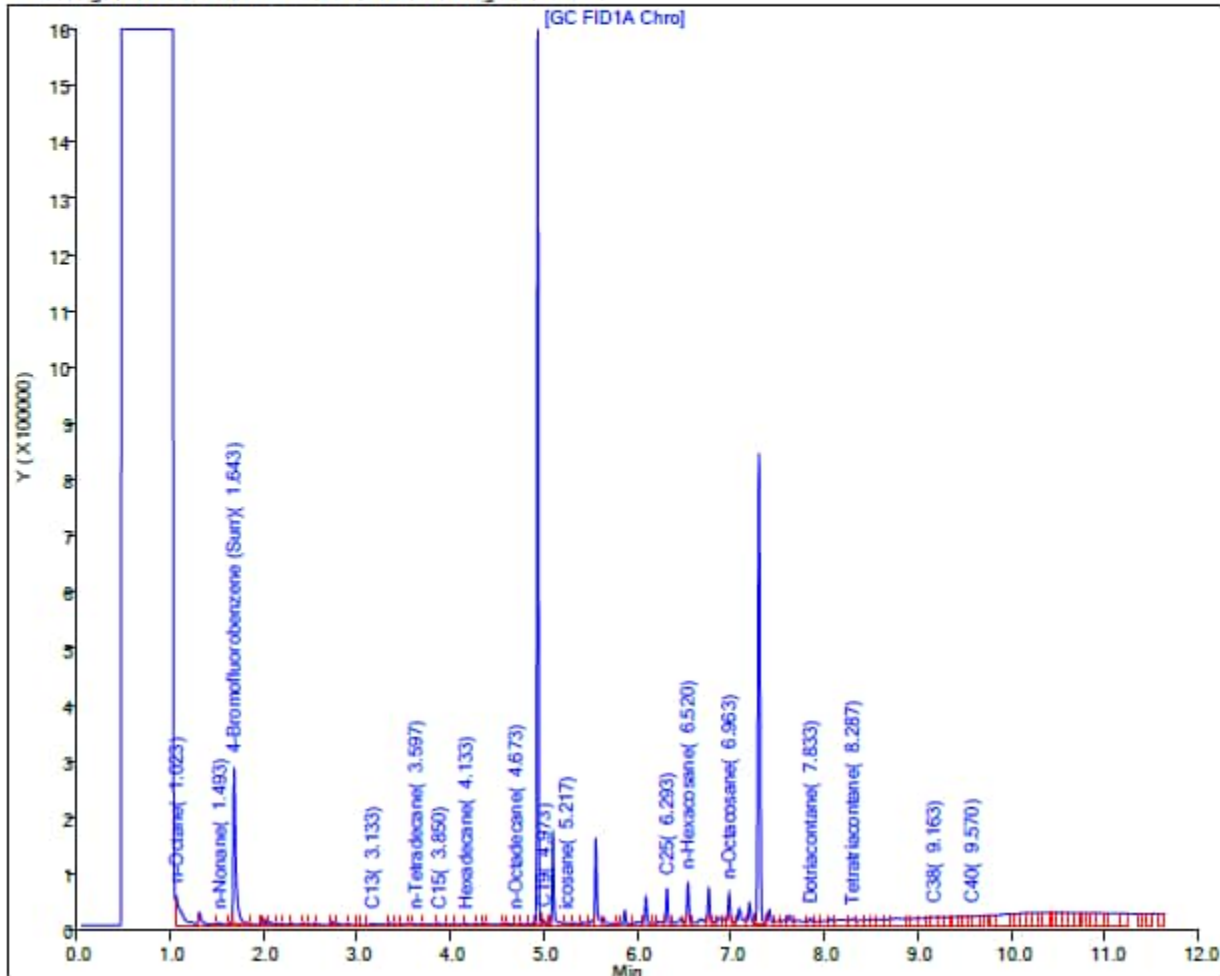
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGN02LF-2211WK2 Sample Date: 11/18/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 29-Nov-2022 13:11:58

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221128-85982.b\1128AA22A026.D

Injection Date: 28-Nov-2022 19:55:05

Instrument ID: TAC129

Lims ID: 580-120354-O-1-A

Lab Sample ID: 580-120354-1

Client ID: OWDFMW08A-WGN02LF-2211WK2

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 13

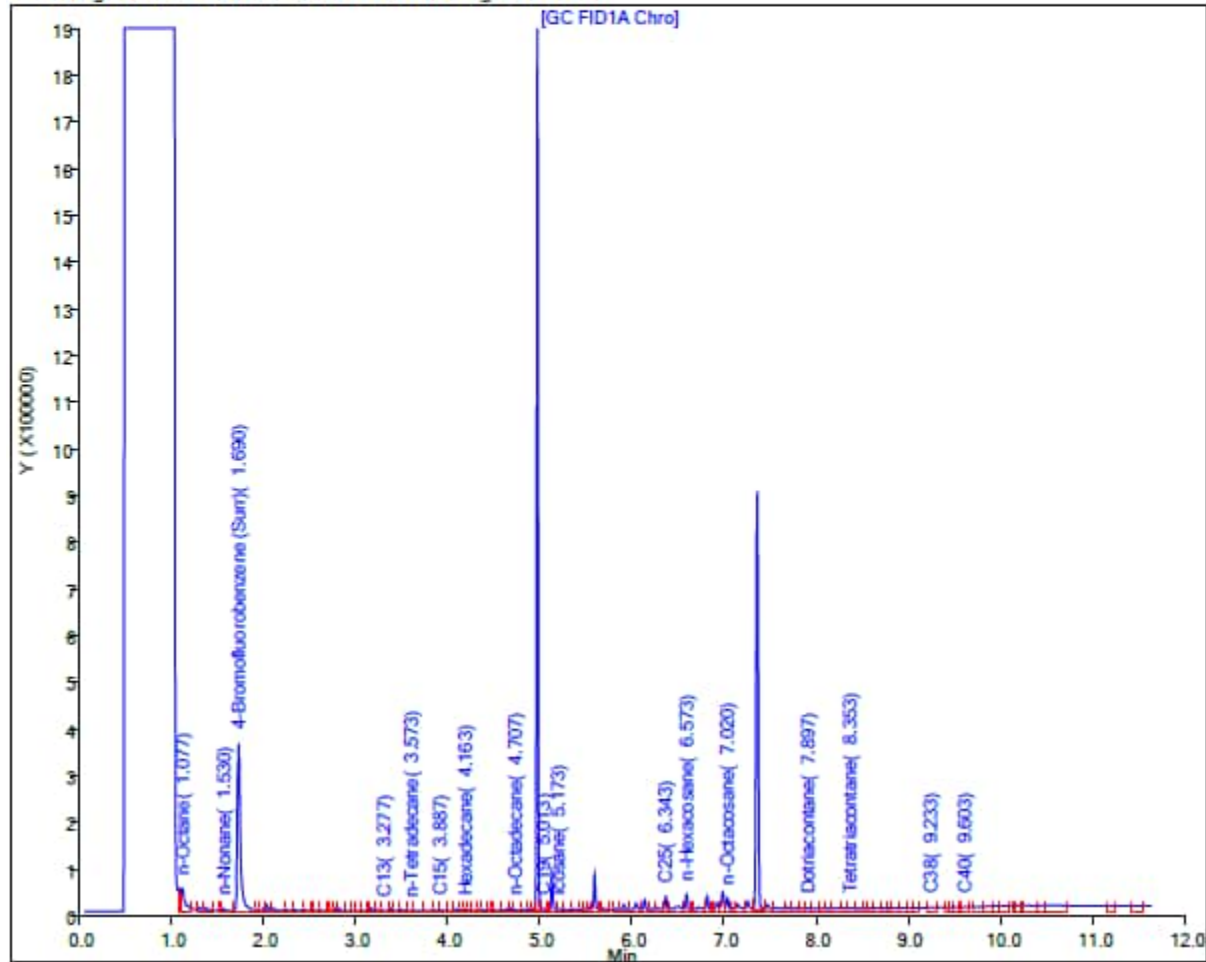
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD02LF-2211WK2 Sample Date: 11/18/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

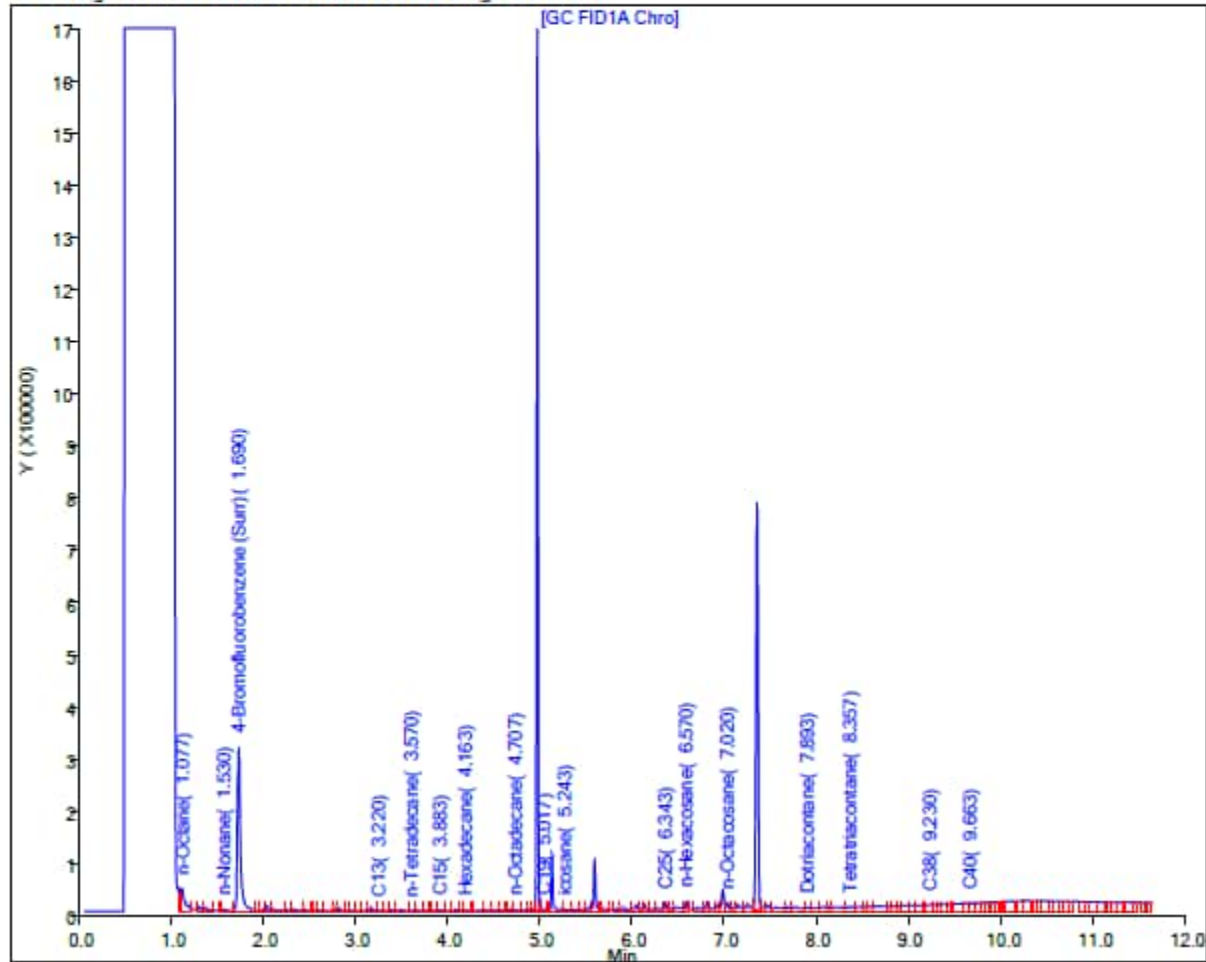
TPH-o (C24 to C40) <310 U

Report Date: 29-Nov-2022 13:12:17

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221128-85982.b\1128AA22A030.D
Injection Date: 28-Nov-2022 20:32:14 Instrument ID: TAC129
Lims ID: 580-120354-O-3-A Lab Sample ID: 580-120354-3
Client ID: OWDFMW08A-WGFD02LF-2211WK2
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGN01LF-2211WK3 Sample Date: 11/20/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 29-Nov-2022 13:13:06

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221128-85982.b\1128AA22A040.D

Injection Date: 28-Nov-2022 22:05:00

Instrument ID: TAC129

Lims ID: 580-120327-O-5-B

Lab Sample ID: 580-120327-5

Client ID: OWDFMW08A-WGN01LF-2211WK3

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 20

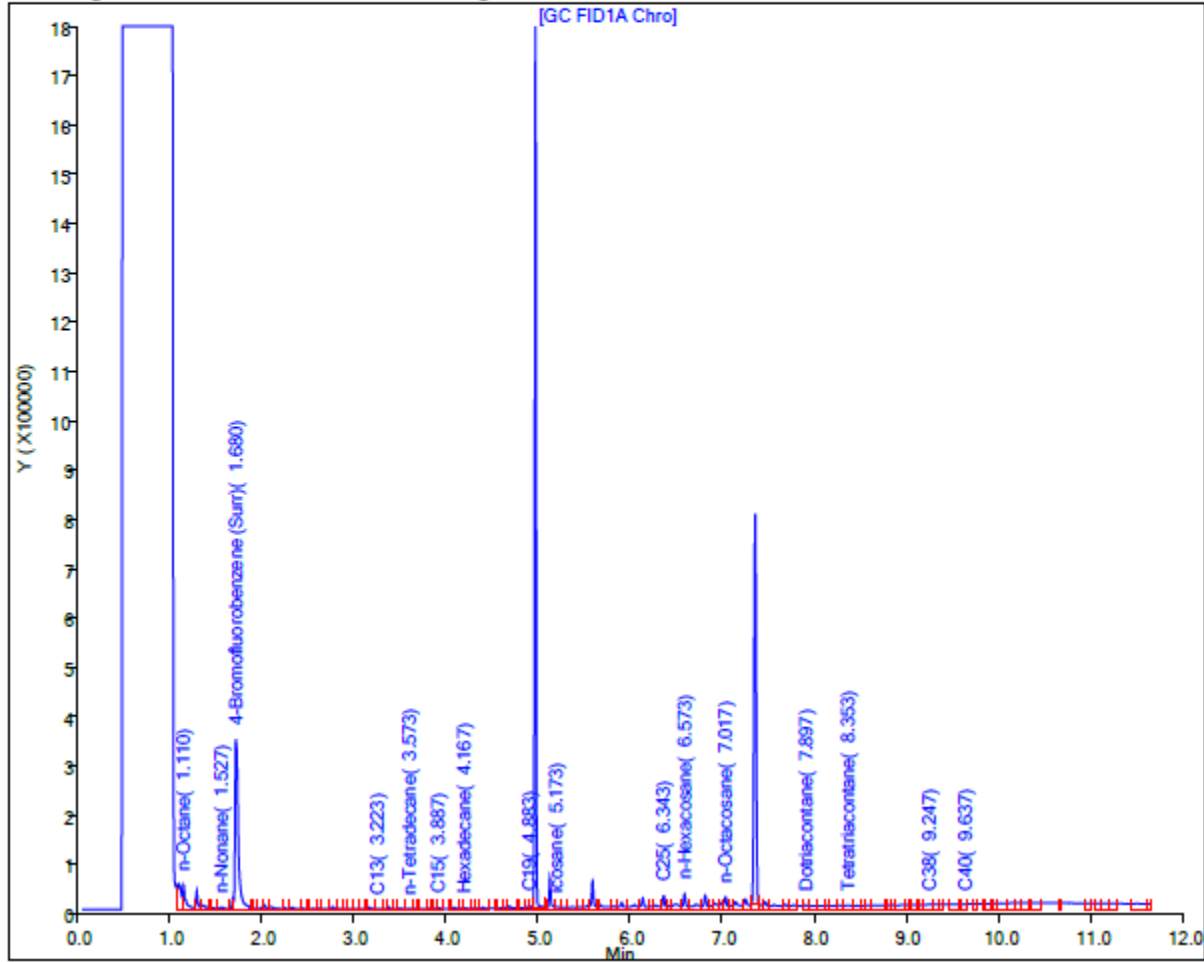
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD01LF-2211WK3 Sample Date: 11/20/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 29-Nov-2022 13:13:11

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221128-85982.b\1128AA22A042.D

Injection Date: 28-Nov-2022 22:23:35

Instrument ID: TAC129

Lims ID: 580-120327-I-7-B

Lab Sample ID: 580-120327-7

Client ID: OWDFMW08A-WGFD01LF-2211WK3

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 21

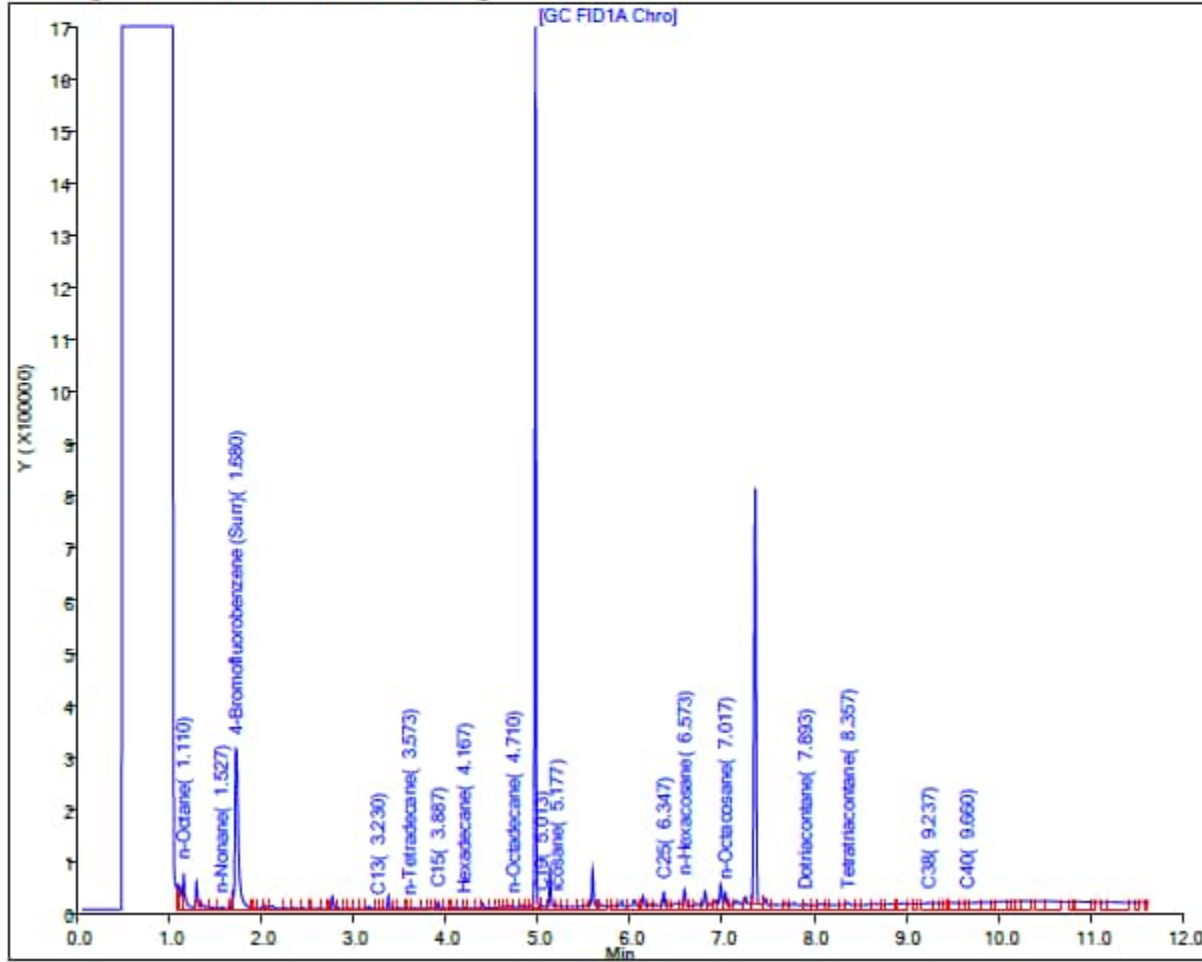
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGN02LF-2211WK3 Sample Date: 11/23/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 01-Dec-2022 15:24:03

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221130-86038.b\1130a22_010.D

Injection Date: 01-Dec-2022 00:07:30

Instrument ID: TAC020

Lims ID: 580-120438-O-3-A

Lab Sample ID: 580-120438-3

Client ID: OWDFMW08A-WGN02LF-2211WK3

Operator ID: DH

ALS Bottle#: 10

Worklist Smp#: 30

Injection Vol: 1.0 ul

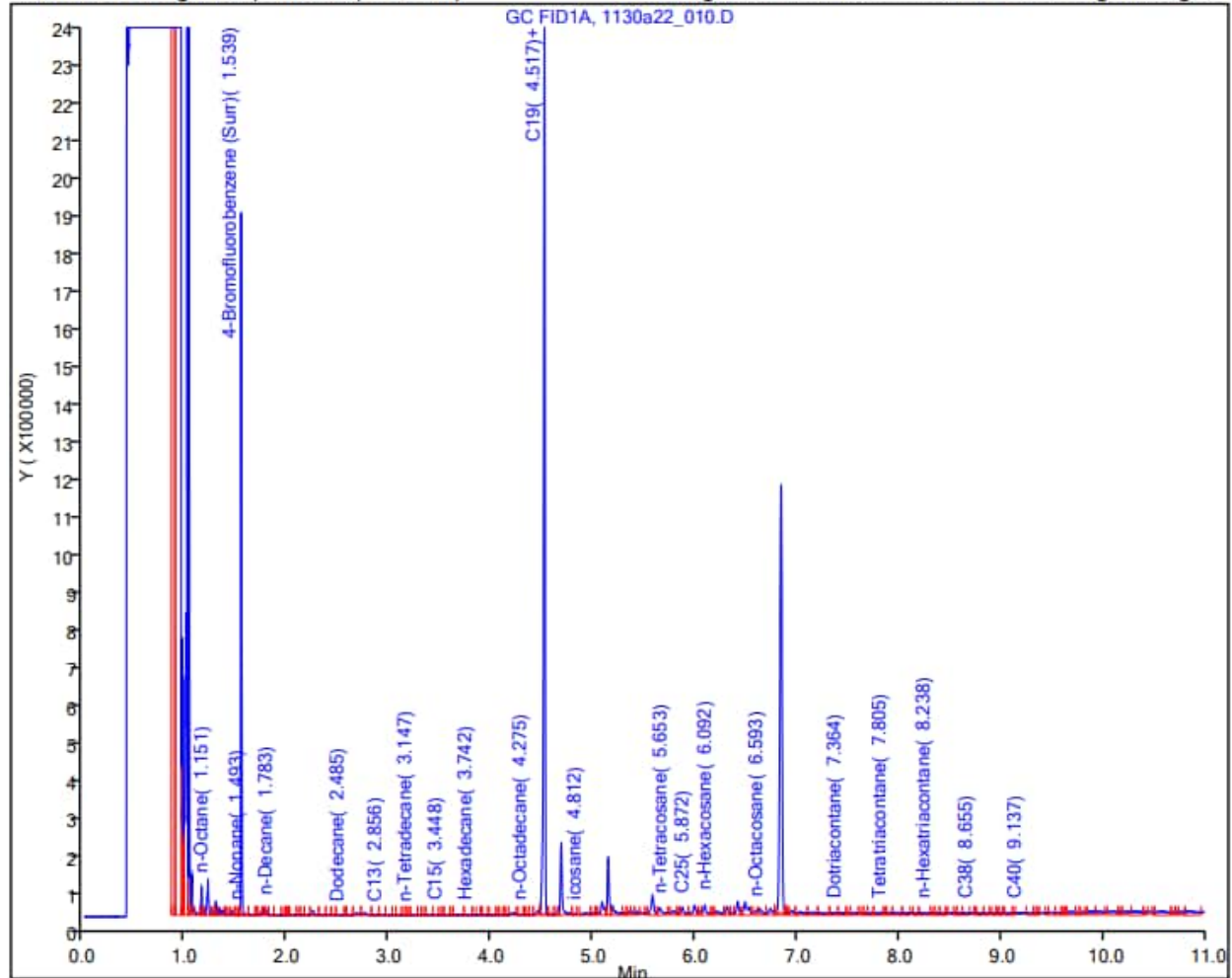
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD02LF-2211WK3 Sample Date: 11/23/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 01-Dec-2022 15:38:12

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221130-86038.b\1130a22_011.D

Injection Date: 01-Dec-2022 00:27:30

Instrument ID: TAC020

Lims ID: 580-120438-J-5-A

Lab Sample ID: 580-120438-5

Client ID: OWDFMW08A-WGFD02LF-2211WK3

Operator ID: DH

ALS Bottle#: 11

Worklist Smp#: 31

Injection Vol: 1.0 ul

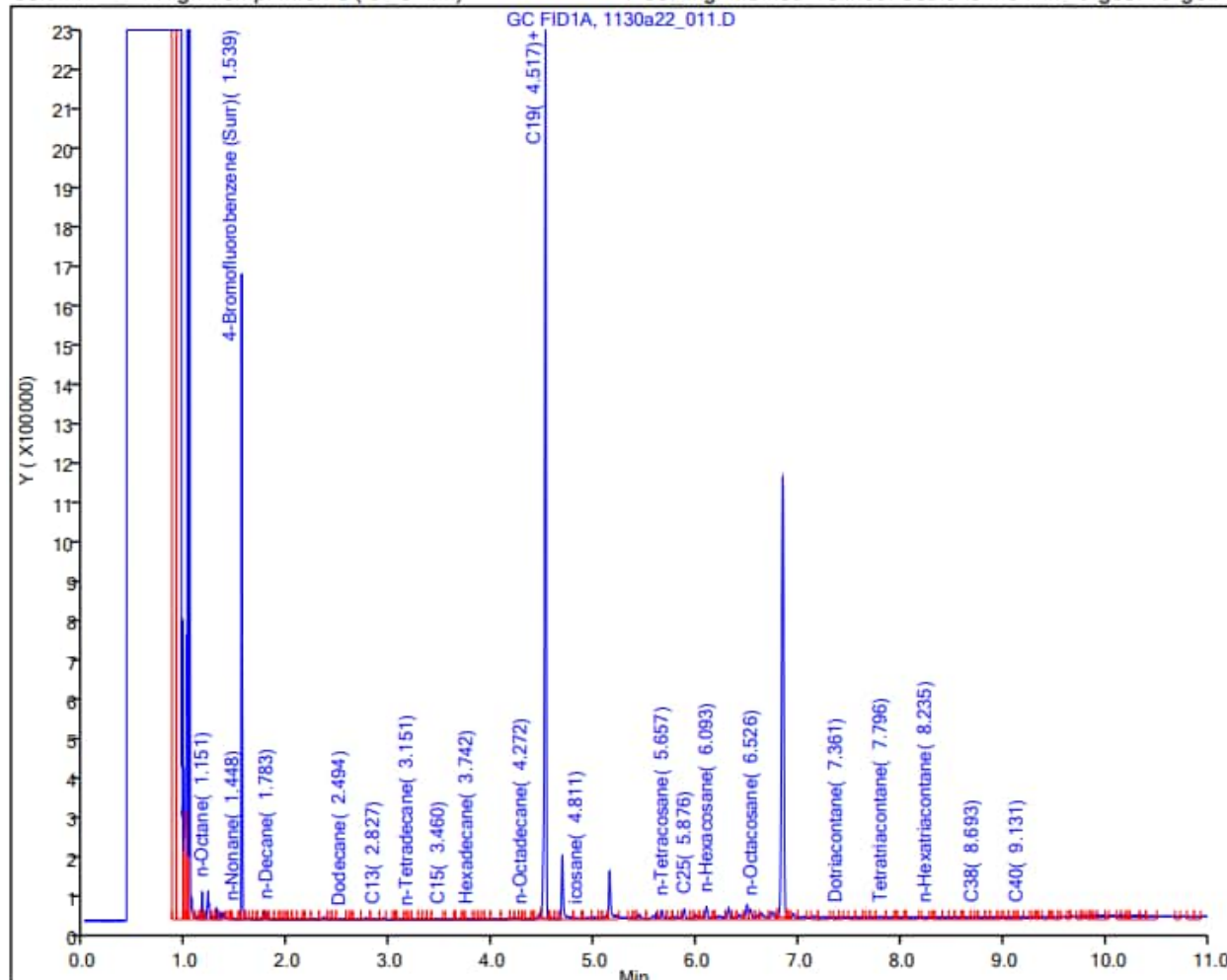
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGN01LF-2212WK3 Sample Date: 12/22/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) 200 J

Report Date: 04-Jan-2023 18:44:31

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221229-86444.b\122922A049.D

Injection Date: 29-Dec-2022 21:14:40

Instrument ID: TAC129_R

Lims ID: 580-121570-F-18-A

Lab Sample ID: 580-121570-18

Client ID: OWDFMW08A-WGN01LF-2212WK3

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 71

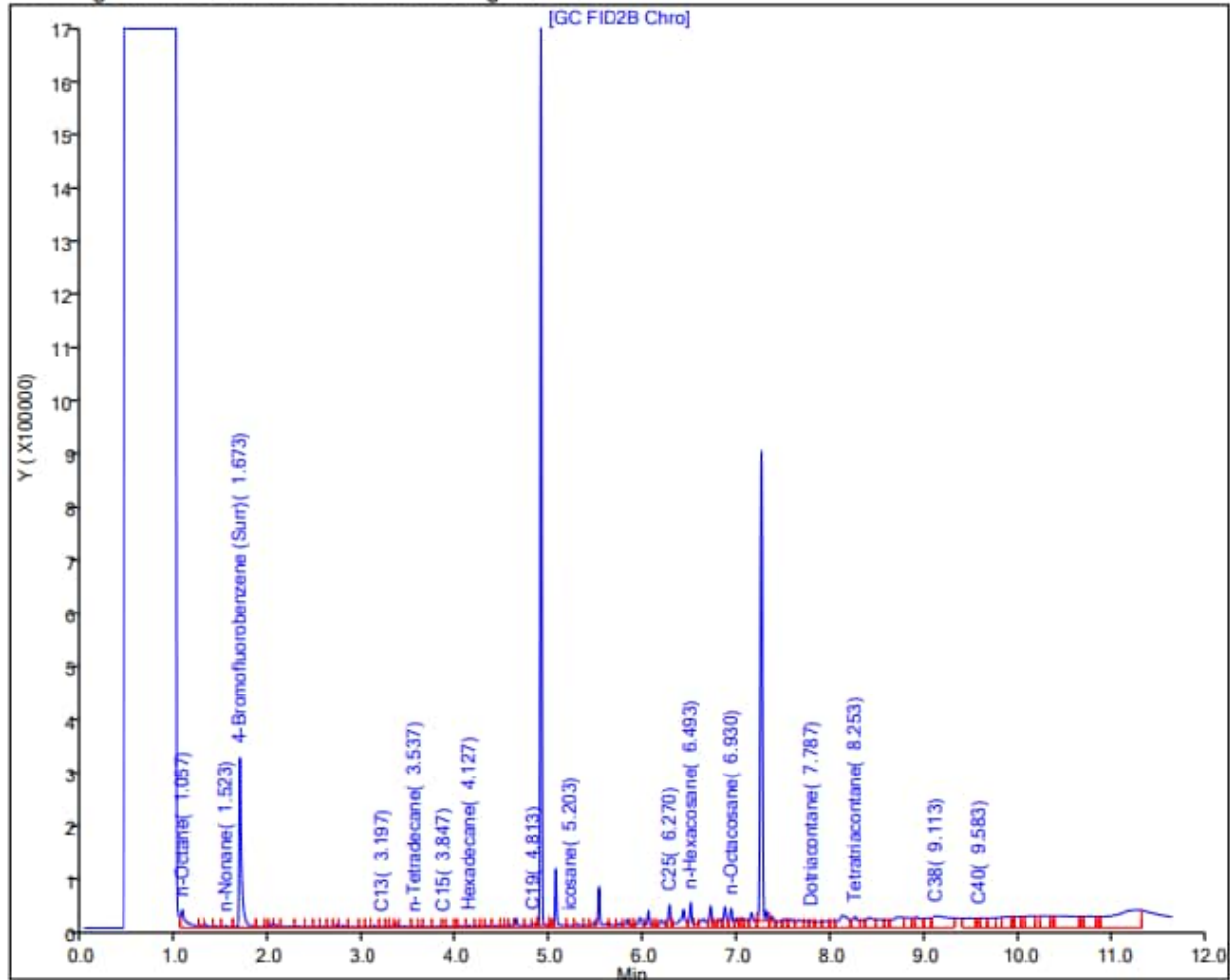
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 06-Jan-2023 12:56:04

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\seattle\ChromData\TAC129\20230105-86533.b\010523A056.D

Injection Date: 05-Jan-2023 23:42:08

Instrument ID: TAC129

Lims ID: 580-121570-F-18-B

Lab Sample ID: 580-121570-18

Client ID: OWDFMW08A-WGN01LF-2212WK3

Operator ID: CC

ALS Bottle#: 0

Worklist Smp#: 67

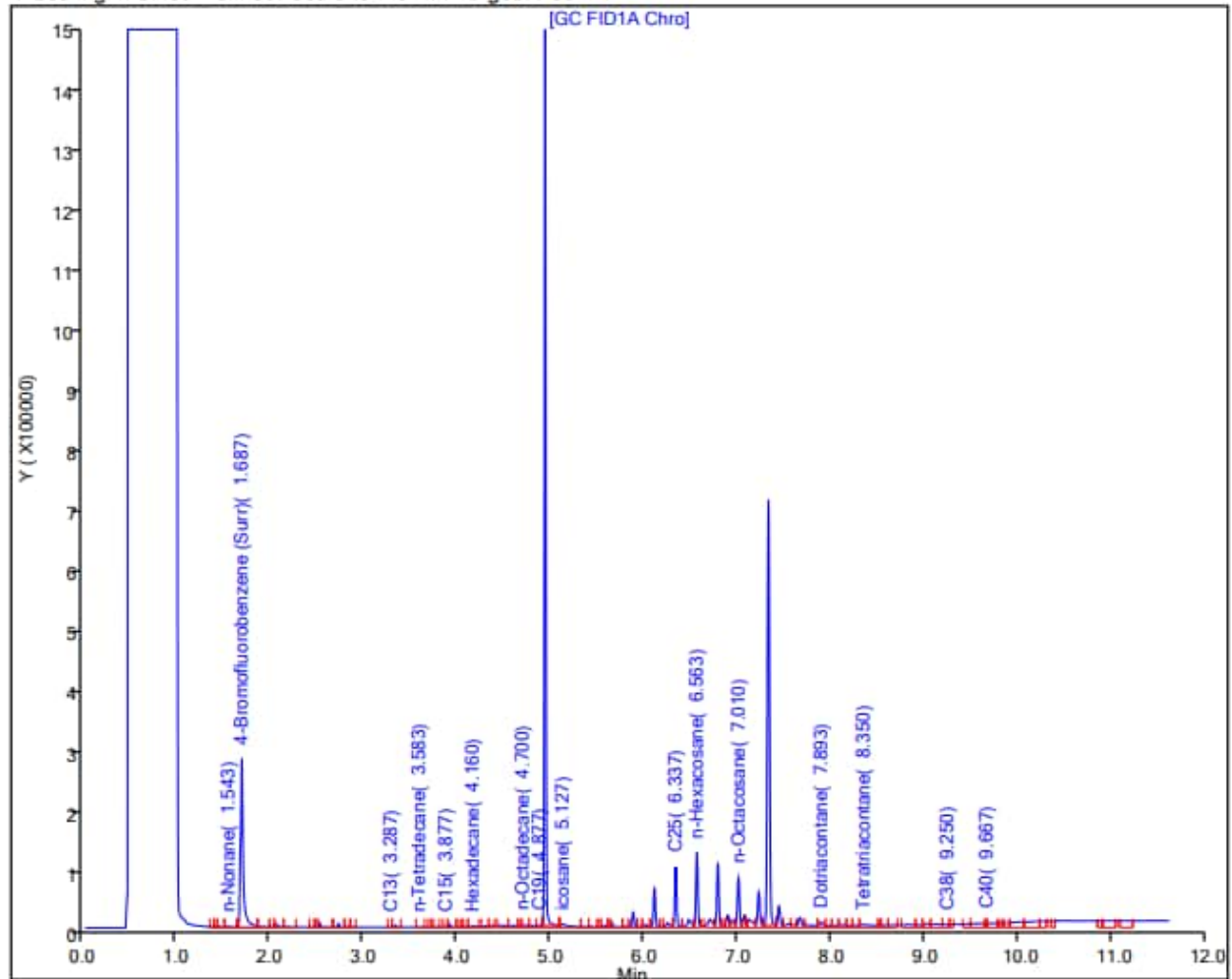
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD01LF-2212WK3 Sample Date: 12/22/2022
Lab: Eurofins Seattle

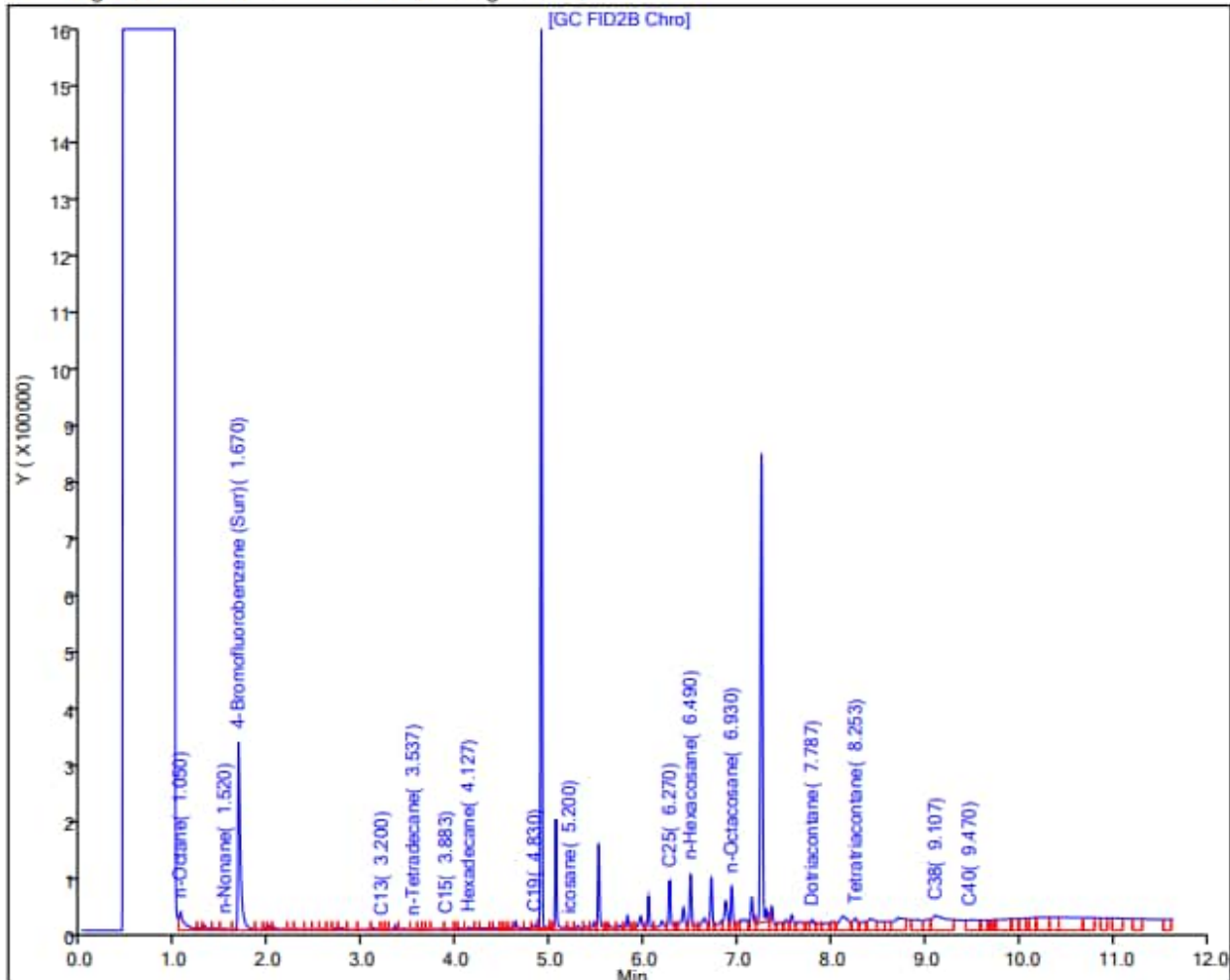
Results (ug/L): TPH-d (C10 to C24) 67 J

TPH-o (C24 to C40) 240 J

Report Date: 04-Jan-2023 18:44:37

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221229-86444.b\122922A051.D
Injection Date: 29-Dec-2022 21:33:19 Instrument ID: TAC129_R
Lims ID: 580-121570-A-20-A Lab Sample ID: 580-121570-20
Client ID: OWDFMW08A-WGFD01LF-2212WK3
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 72
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

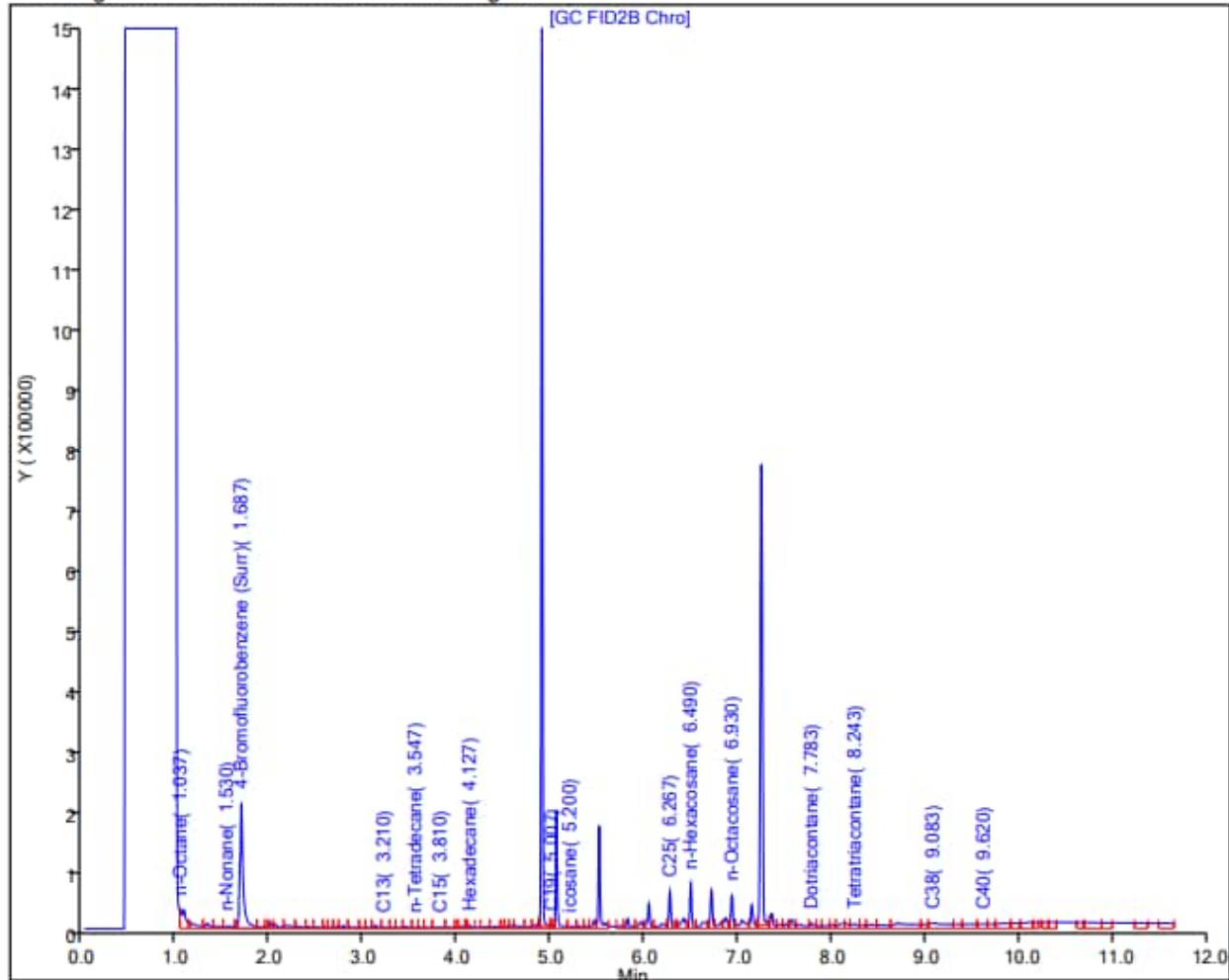
Location: OWDFMW08A Sample ID: OWDFMW08A-WGN01LF-2212WK4 Sample Date: 12/27/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 05-Jan-2023 22:00:26

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A021.D
Injection Date: 05-Jan-2023 18:22:49 Instrument ID: TAC129_R
Lims ID: 580-121597-E-5-A Lab Sample ID: 580-121597-5
Client ID: OWDFMW08A-WGN01LF-2212WK4
Operator ID: CC ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD01LF-2212WK4 Sample Date: 12/27/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 05-Jan-2023 22:00:32

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A023.D

Injection Date: 05-Jan-2023 18:41:42

Instrument ID: TAC129_R

Lims ID: 580-121597-B-7-A

Lab Sample ID: 580-121597-7

Client ID: OWDFMW08A-WGFD01LF-2212WK4

Operator ID: CC

ALS Bottle#: 0

Worklist Smp#: 27

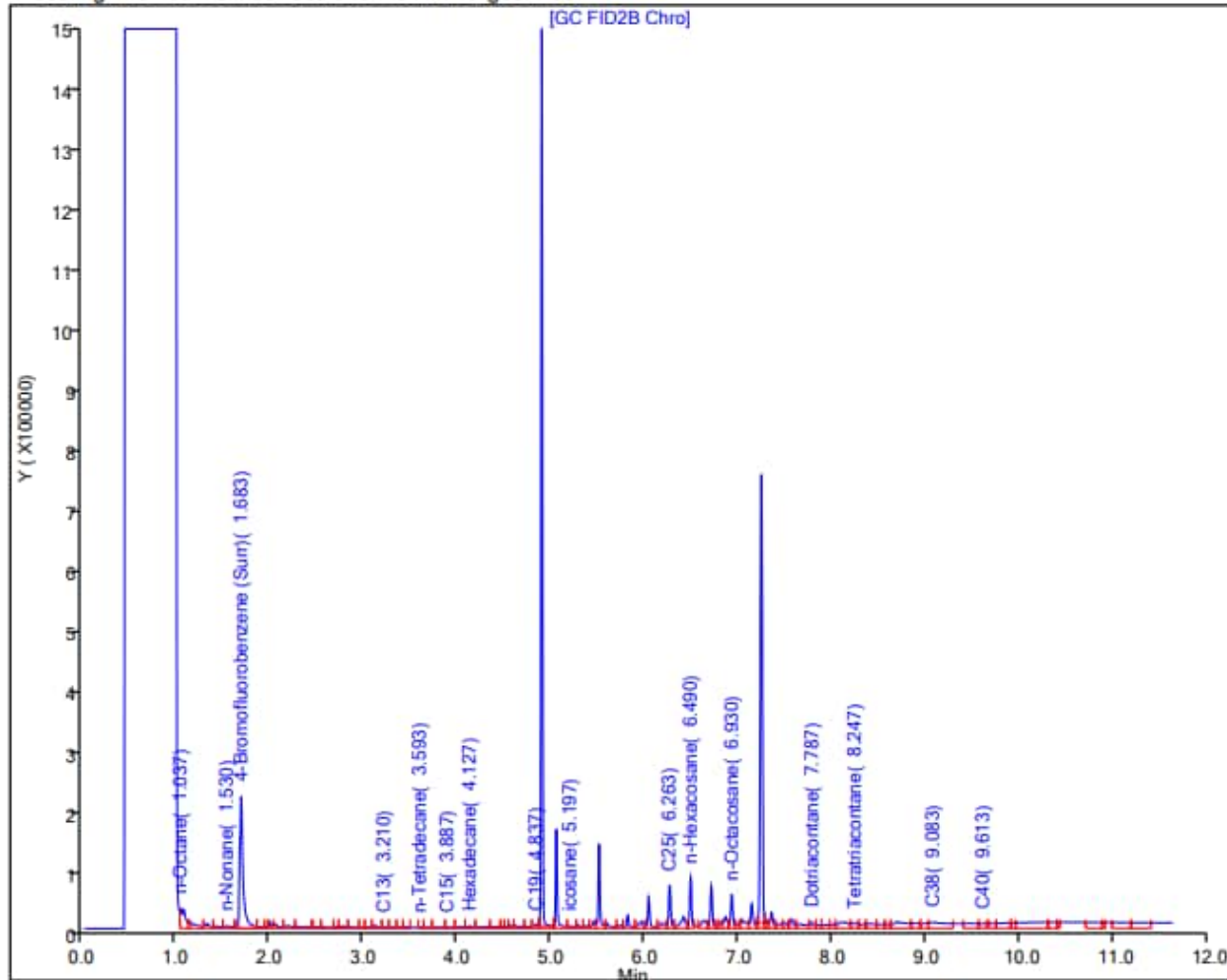
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGN01LF-2301WK1 Sample Date: 1/3/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 13-Jan-2023 14:24:26

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\011223A059.D

Injection Date: 12-Jan-2023 21:02:49

Instrument ID: TAC129_R

Lims ID: 580-121791-O-6-A

Lab Sample ID: 580-121791-6

Client ID: OWDFMW08A-WGN01LF-2301WK1

Operator ID: kw/cc

ALS Bottle#: 0

Worklist Smp#: 25

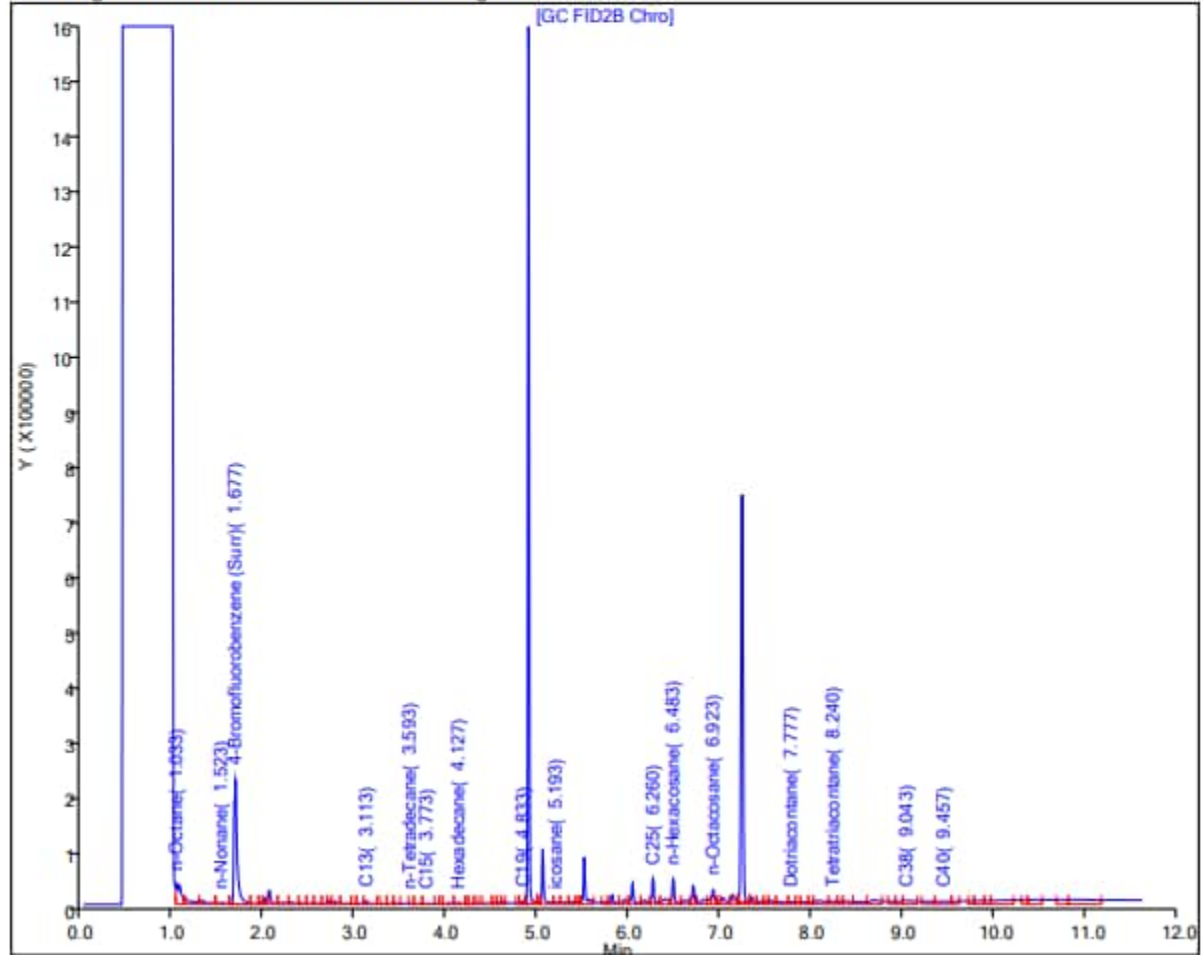
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

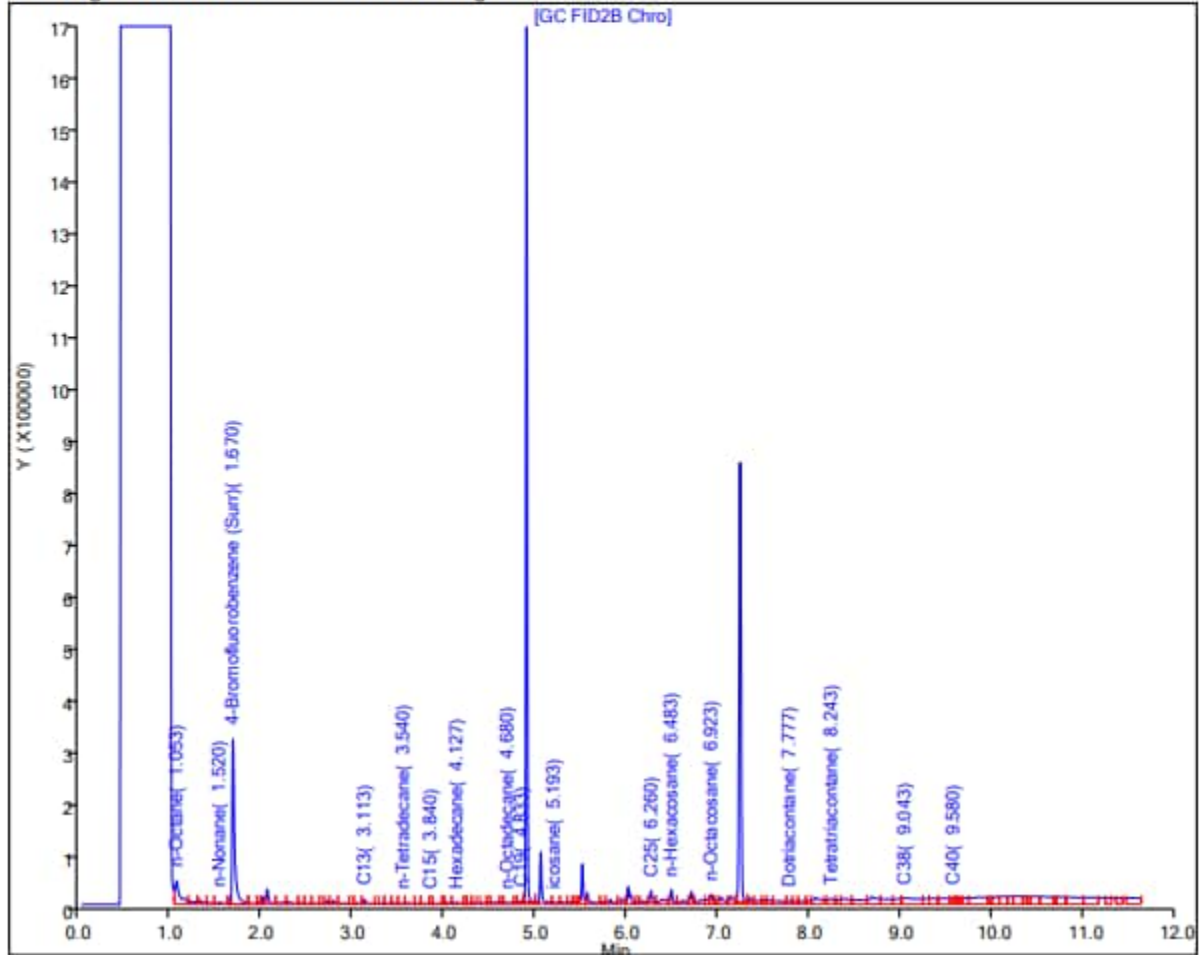
Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD01LF-2301WK1 Sample Date: 1/3/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <310 U

Report Date: 13-Jan-2023 14:24:38

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\011223A063.D
Injection Date: 12-Jan-2023 21:40:14 Instrument ID: TAC129_R
Lims ID: 580-121791-O-8-A Lab Sample ID: 580-121791-8
Client ID: OWDFMW08A-WGFD01LF-2301WK1
Operator ID: kw/cc ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGN01LF-2301WK2 Sample Date: 1/9/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 18-Jan-2023 09:37:12

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86698.b\011723A037.D

Injection Date: 17-Jan-2023 14:07:47

Instrument ID: TAC129_R

Lims ID: 580-122000-O-8-A

Lab Sample ID: 580-122000-8

Client ID: OWDFMW08A-WGN01LF-2301WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 18

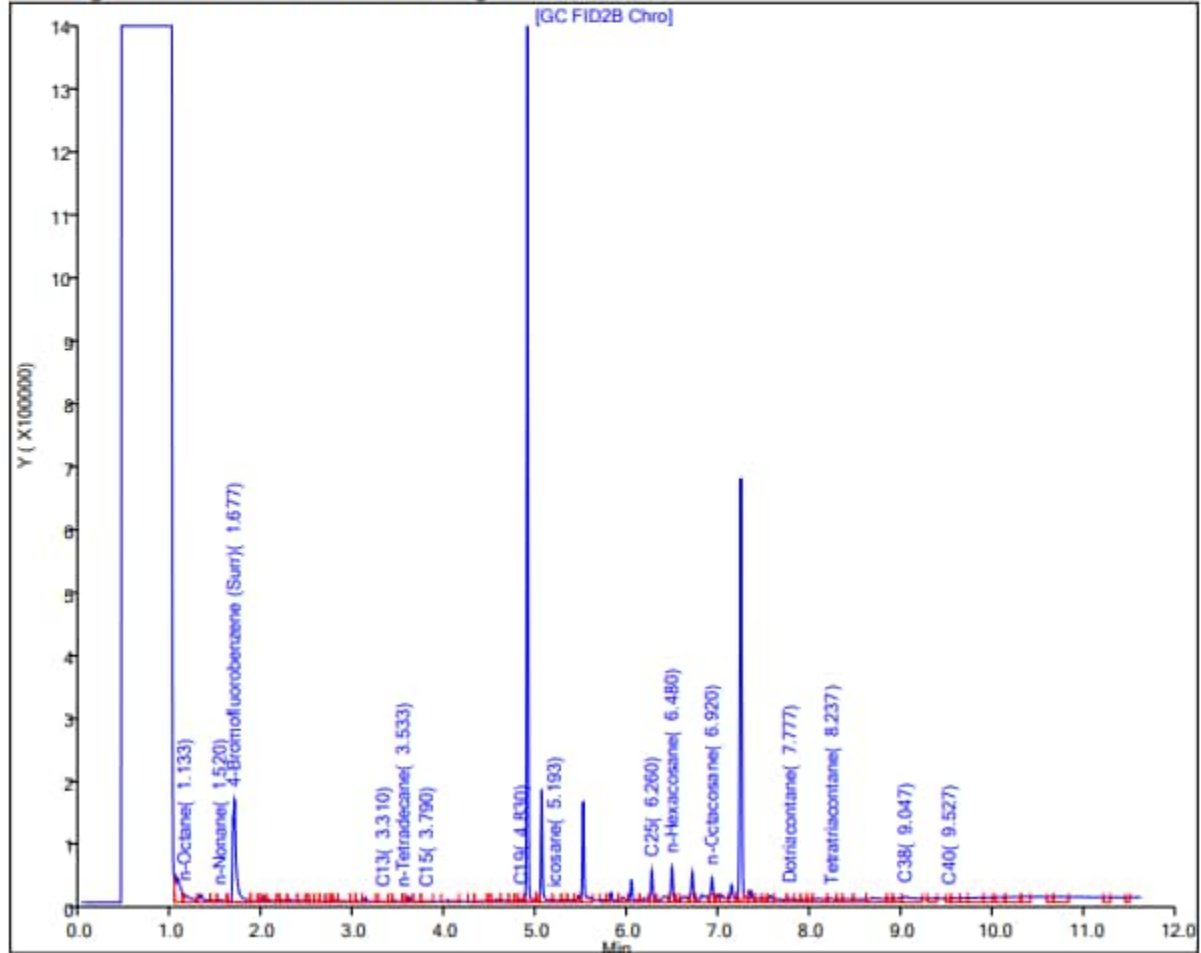
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD01LF-2301WK2 Sample Date: 1/9/2023
Lab: Eurofins Seattle

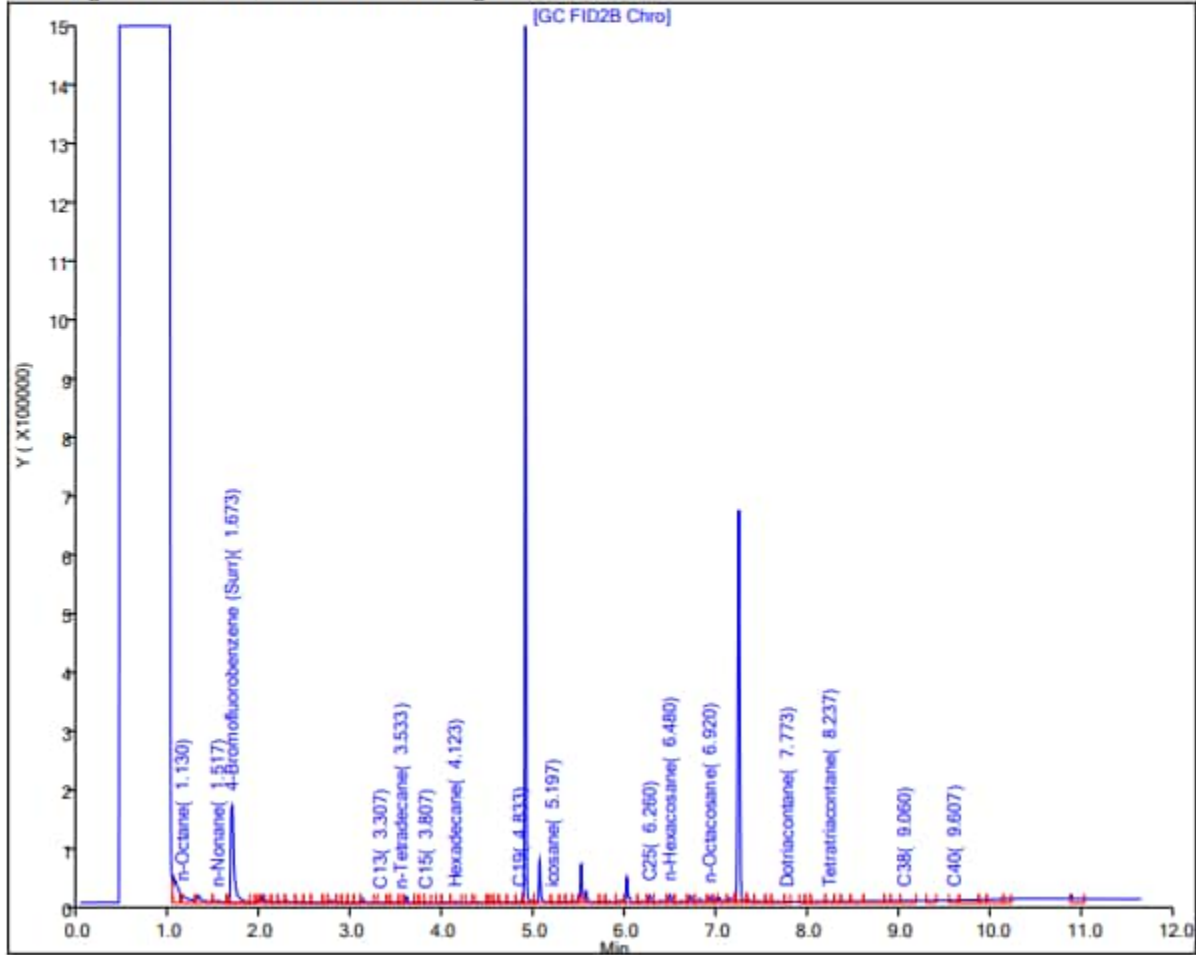
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 18-Jan-2023 09:37:16

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86698.b\011723A039.D
Injection Date: 17-Jan-2023 14:26:30 Instrument ID: TAC129_R
Lims ID: 580-122000-J-10-A Lab Sample ID: 580-122000-10
Client ID: OWDFMW08A-WGFD01LF-2301WK2
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 uL/L Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGN01LF-2301WK3 Sample Date: 1/16/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 24-Jan-2023 08:32:09

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_064.D

Injection Date: 24-Jan-2023 07:16:14

Instrument ID: TAC020

Lims ID: 580-122282-N-7-A

Lab Sample ID: 580-122282-7

Client ID: OWDFMW08A-WGN01LF-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 64

Injection Vol: 1.0 ul

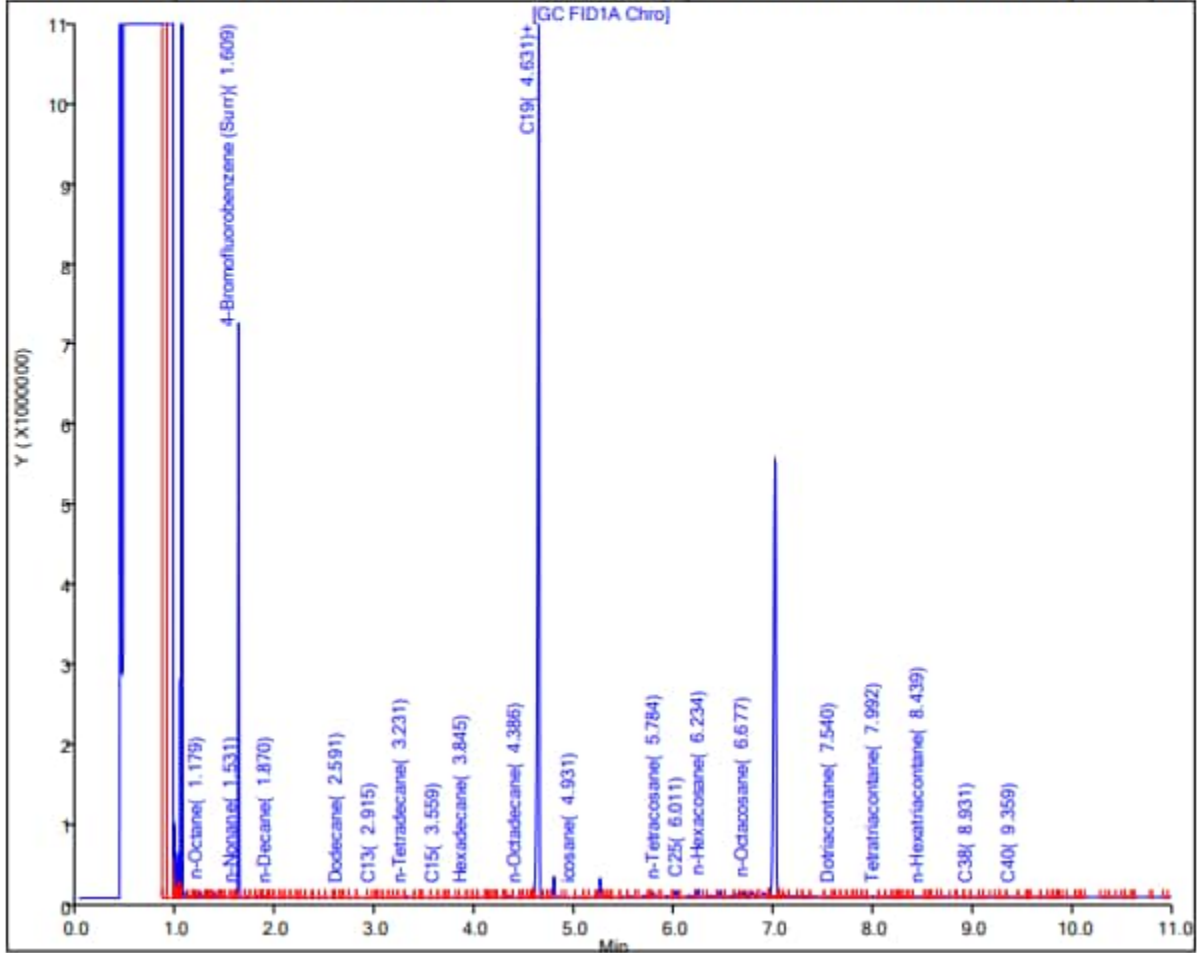
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD01LF-2301WK3 Sample Date: 1/16/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U TPH-o (C24 to C40) <300 U

Report Date: 24-Jan-2023 08:32:15

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_065.D

Injection Date: 24-Jan-2023 07:36:22

Instrument ID: TAC020

Lims ID: 580-122282-J-9-A

Lab Sample ID: 580-122282-9

Client ID: OWDFMW08A-WGFD01LF-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 65

Injection Vol: 1.0 ul

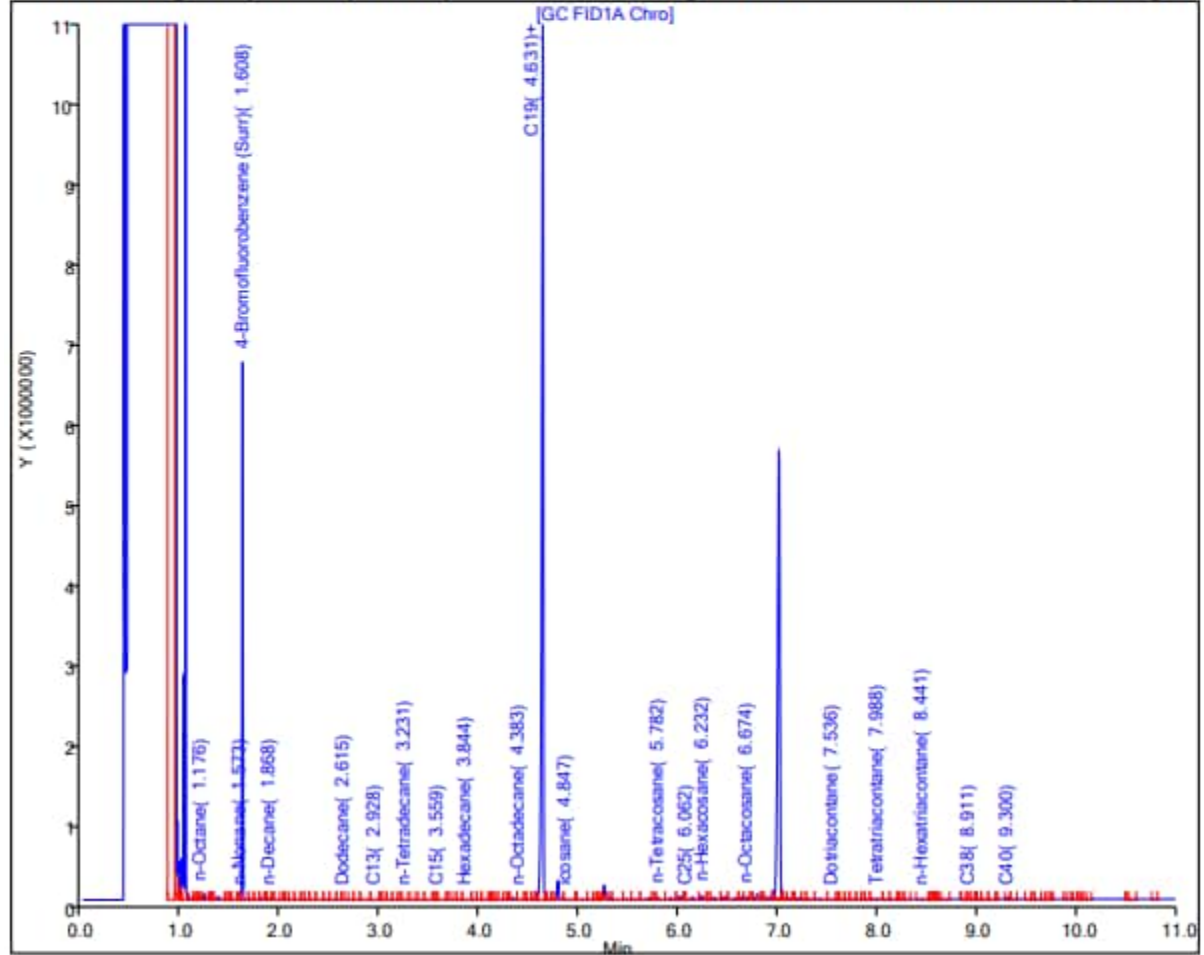
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGN01LF-2301WK4 Sample Date: 1/23/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <97 U TPH-o (C24 to C40) <290 U

Report Date: 30-Jan-2023 09:42:59

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230127-86843.b\0127b23A014.D

Injection Date: 27-Jan-2023 18:42:05

Instrument ID: TAC129

Lims ID: 580-122588-N-1-A

Lab Sample ID: 580-122588-1

Client ID: OWDFMW08A-WGN01LF-2301WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 36

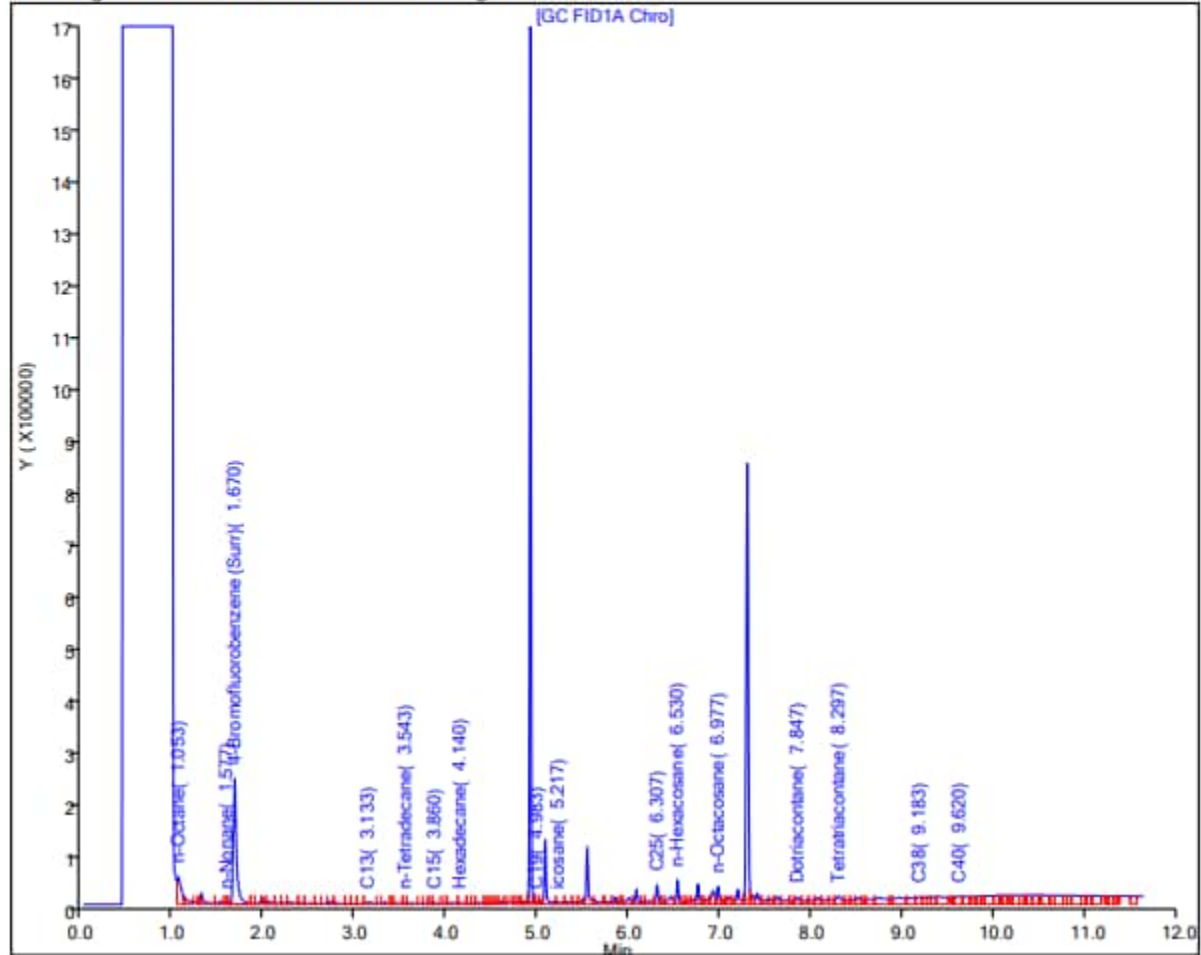
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD01LF-2301WK4 Sample Date: 1/23/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <95 U TPH-o (C24 to C40) <280 U

Report Date: 30-Jan-2023 09:43:02

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230127-86843.b\0127b23A016.D

Injection Date: 27-Jan-2023 19:00:53

Instrument ID: TAC129

Lims ID: 580-122588-I-3-A

Lab Sample ID: 580-122588-3

Client ID: OWDFMW08A-WGFD01LF-2301WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 37

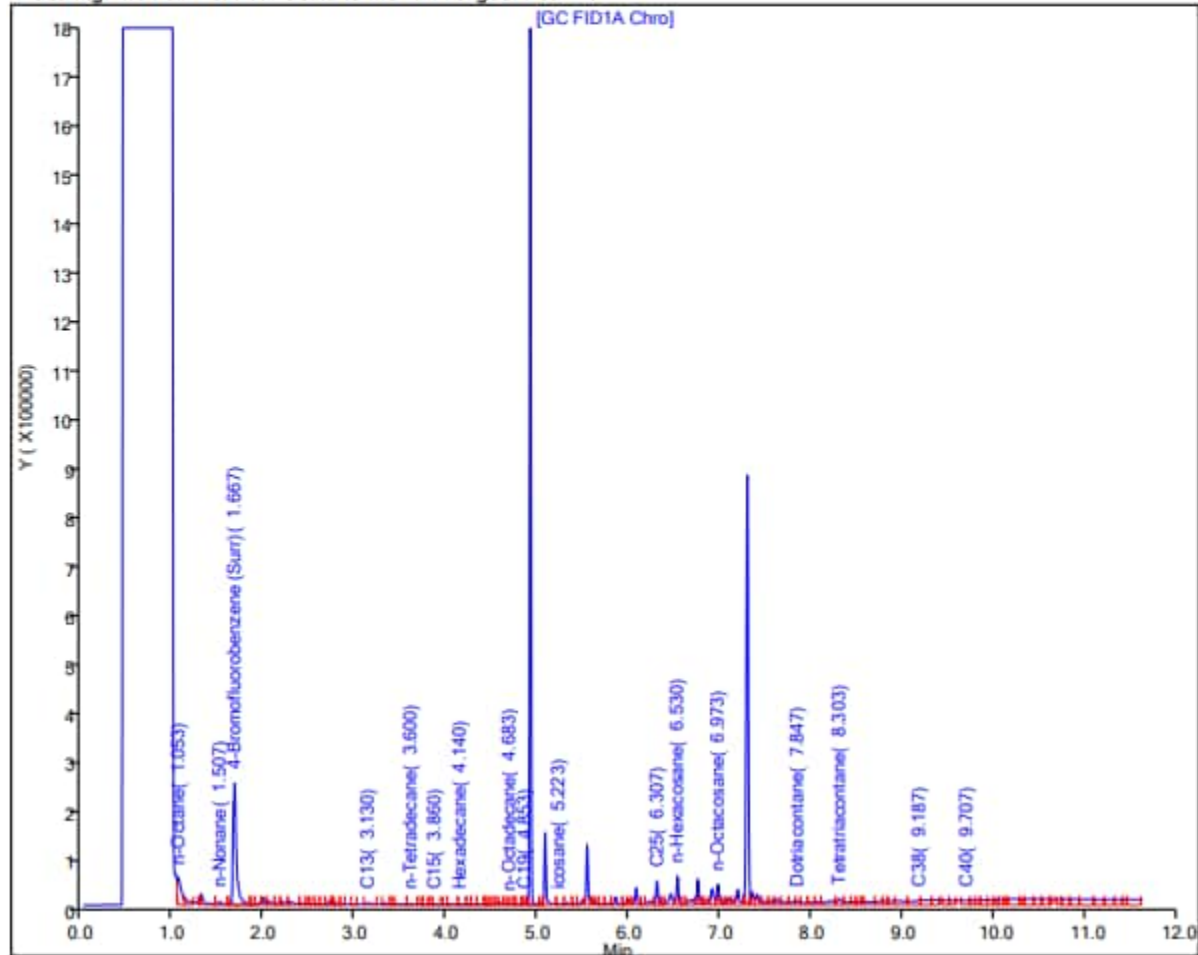
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGN01LF-2302WK2 Sample Date: 2/13/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 20-Feb-2023 09:46:04

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230217-87149.b\021723A025.D

Injection Date: 17-Feb-2023 17:24:47

Instrument ID: TAC129_R

Lims ID: 580-123563-O-7-A

Lab Sample ID: 580-123563-7

Client ID: OWDFMW08A-WGN01LF-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 8

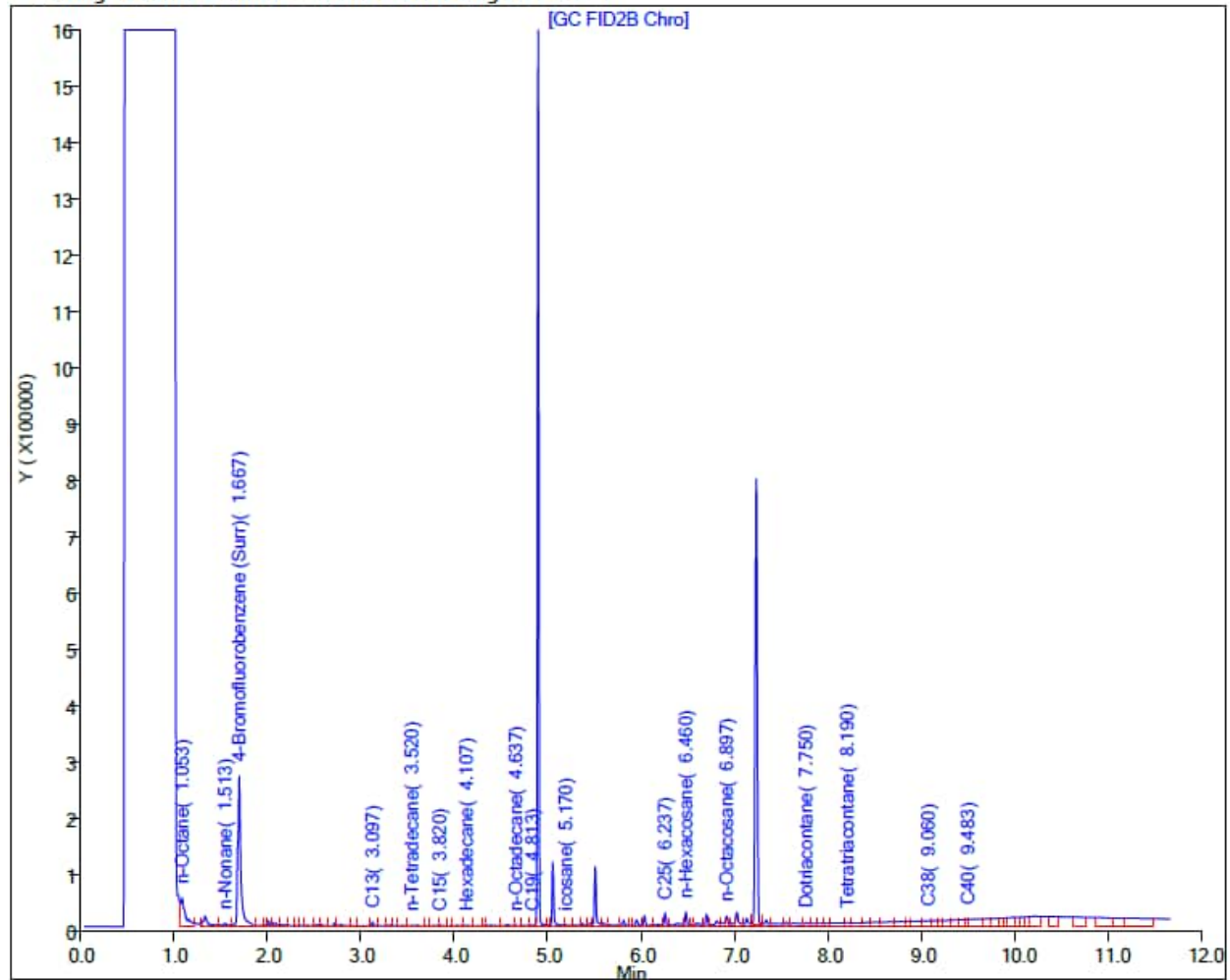
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD01LF-2302WK2 Sample Date: 2/13/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 20-Feb-2023 09:46:07

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230217-87149.b\021723A027.D

Injection Date: 17-Feb-2023 17:43:32

Instrument ID: TAC129_R

Lims ID: 580-123563-I-9-A

Lab Sample ID: 580-123563-9

Client ID: OWDFMW08A-WGFD01LF-2302WK2

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

9

Injection Vol: 1.0 uL

Dil. Factor:

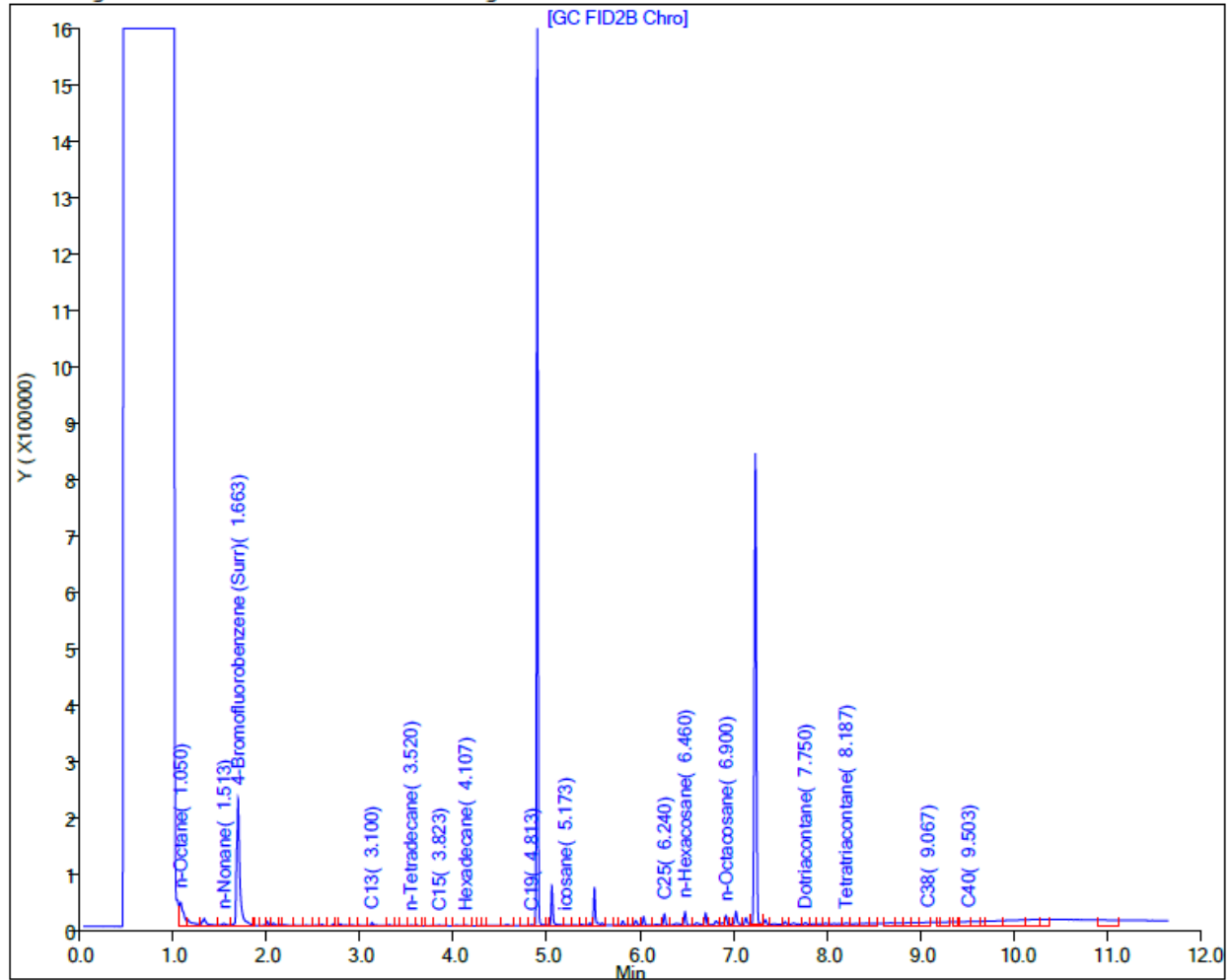
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGN01LF-2302WK3 Sample Date: 2/24/2023
Lab: Eurofins Seattle

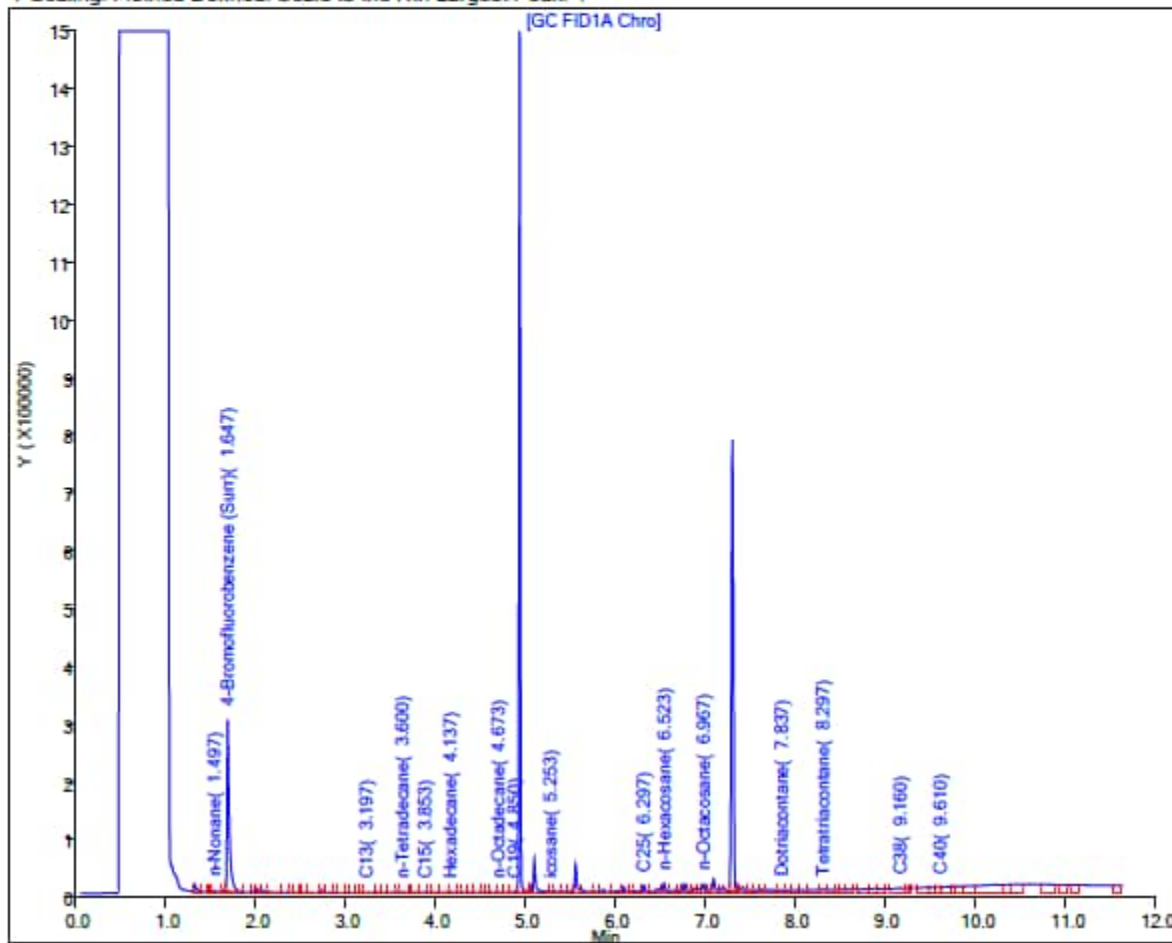
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 02-Mar-2023 10:22:13

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\0301a23A050.D
Injection Date: 01-Mar-2023 22:24:38 Instrument ID: TAC129
Lims ID: 580-123967-O-1-A Lab Sample ID: 580-123967-1
Client ID: OWDFMW08A-WGN01LF-2302WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 72
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD01LF-2302WK3 Sample Date: 2/24/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 02-Mar-2023 10:22:16

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\0301a23A052.D

Injection Date: 01-Mar-2023 22:43:10

Instrument ID: TAC129

Lims ID: 580-123967-J-3-A

Lab Sample ID: 580-123967-3

Client ID: OWDFMW08A-WGFD01LF-2302WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 73

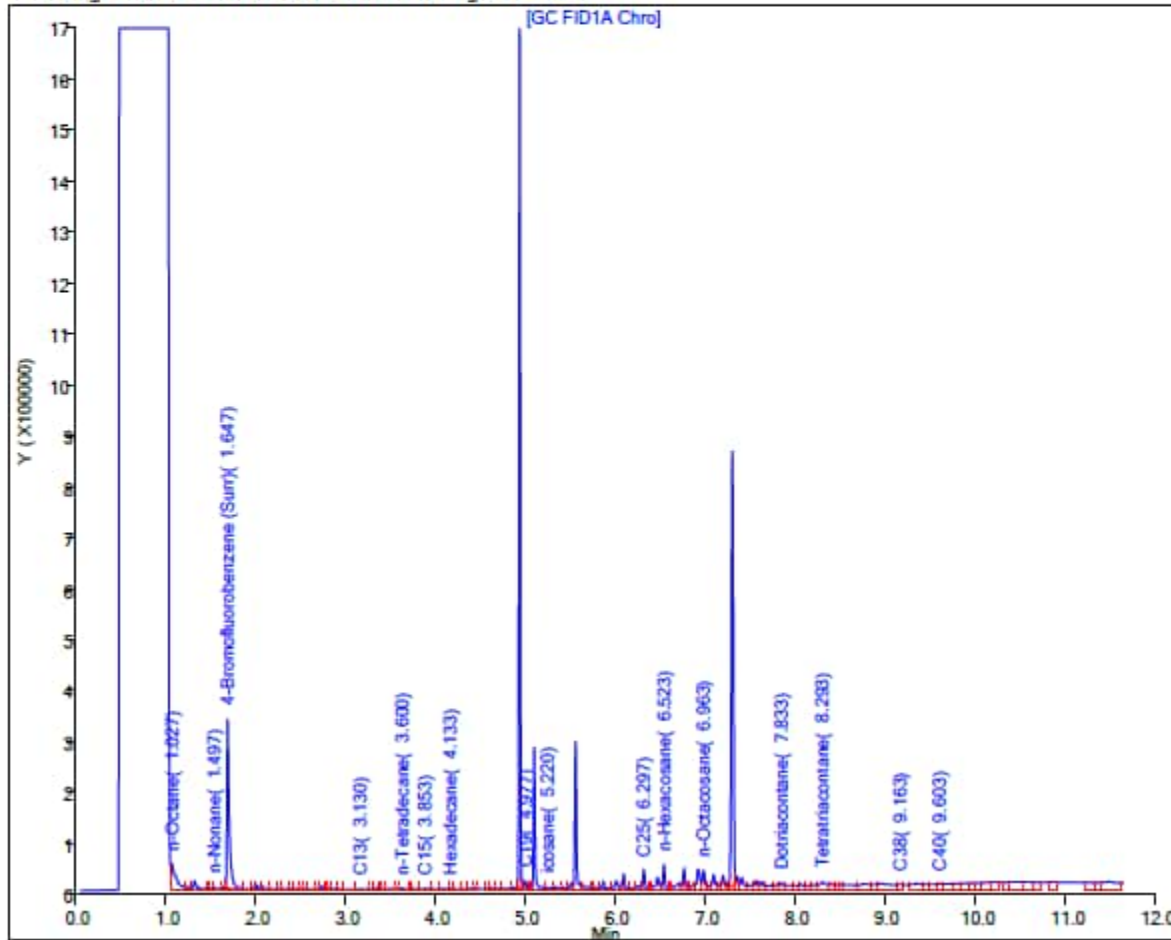
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGN01LF-2302WK4 Sample Date: 2/27/2023
Lab: Eurofins Seattle

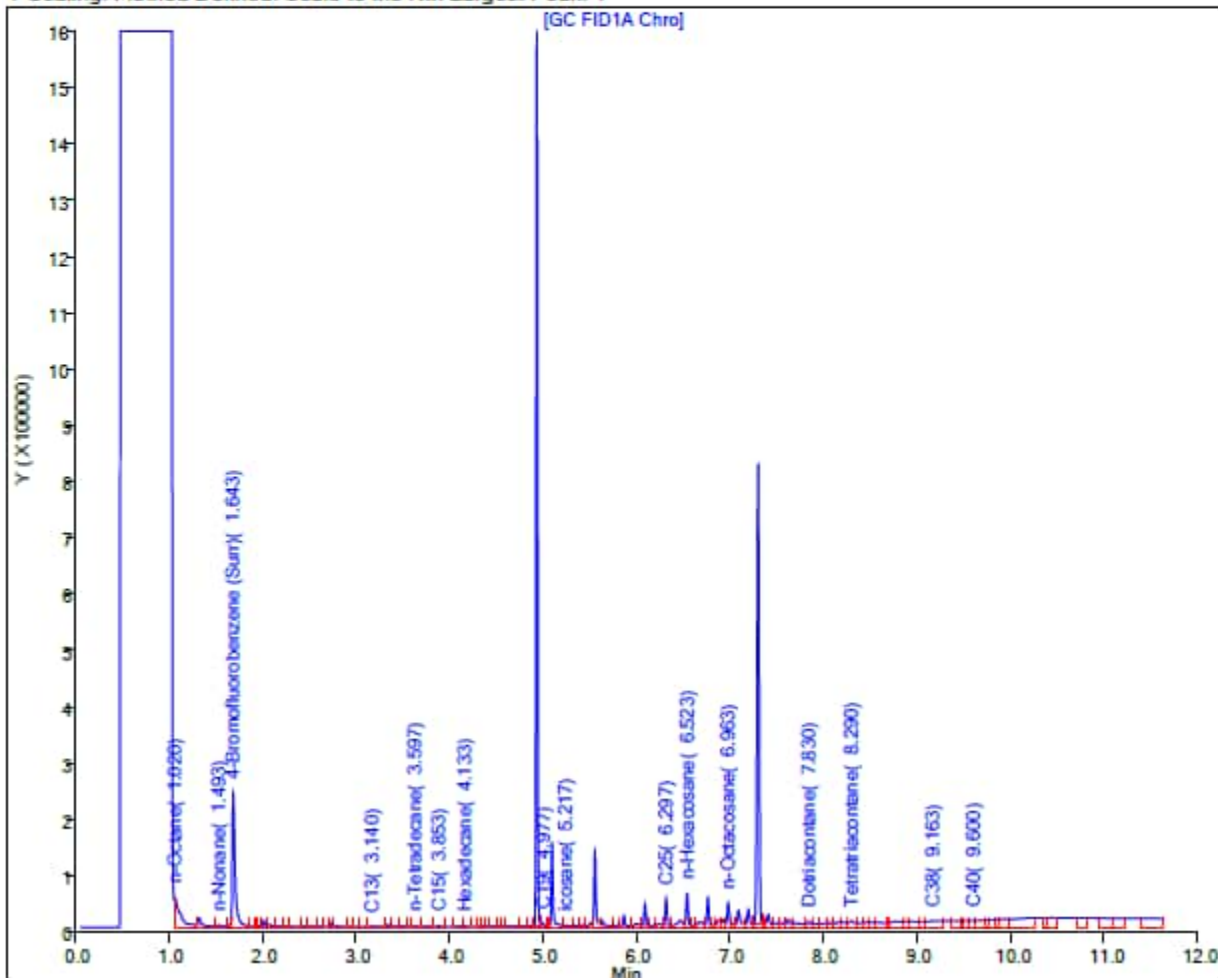
Results (ug/L): TPH-d (C10 to C24) <110 U

TPH-o (C24 to C40) <310 U

Report Date: 03-Mar-2023 09:37:49

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230302-87325.b\030223A050.D
Injection Date: 03-Mar-2023 00:25:53 Instrument ID: TAC129
Lims ID: 580-124029-O-7-A Lab Sample ID: 580-124029-7
Client ID: OWDFMW08A-WGN01LF-2302WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: OWDFMW08A Sample ID: OWDFMW08A-WGFD01LF-2302WK4 Sample Date: 2/27/2023
Lab: Eurofins Seattle

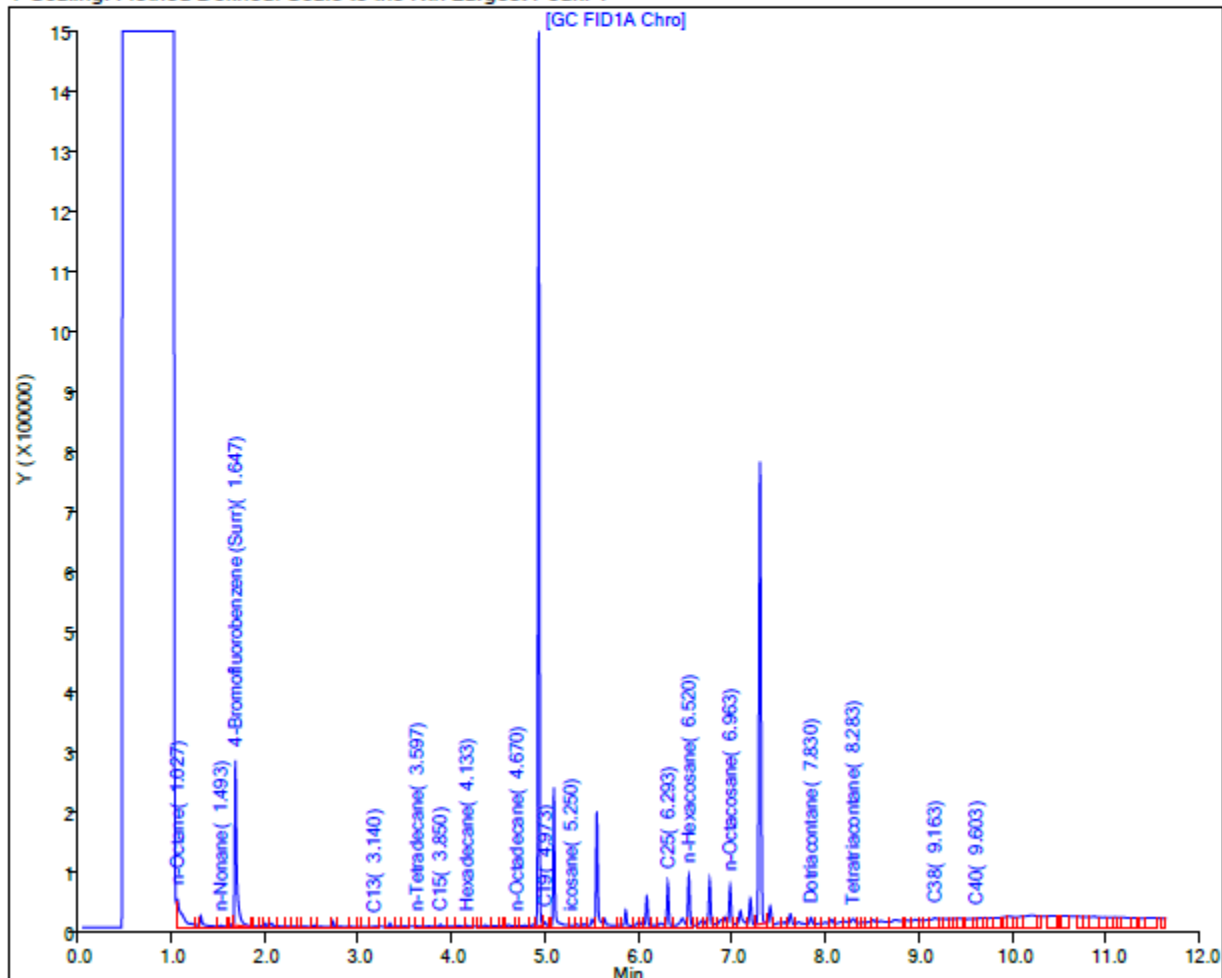
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <320 U

Report Date: 03-Mar-2023 17:15:56

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230303-87332.b\030323A028.D
Injection Date: 03-Mar-2023 15:41:51 Instrument ID: TAC129
Lims ID: 580-124029-I-9-A Lab Sample ID: 580-124029-9
Client ID: OWDFMW08A-WGFD01LF-2302WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



No Silica Gel Cleanup performed.

Location: RHMW02 Sample ID: RHMW02-WGN01B-2211WK1 Sample Date: 11/8/2022

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 2700 J

TPH-o (C24 to C40) 210 J

Report Date: 15-Nov-2022 19:15:43

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85802.b\1114aa22A023.D

Injection Date: 15-Nov-2022 02:05:59

Instrument ID: TAC129_R

Lims ID: 580-119865-N-8-A

Lab Sample ID: 580-119865-8

Client ID: RHMW02-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 12

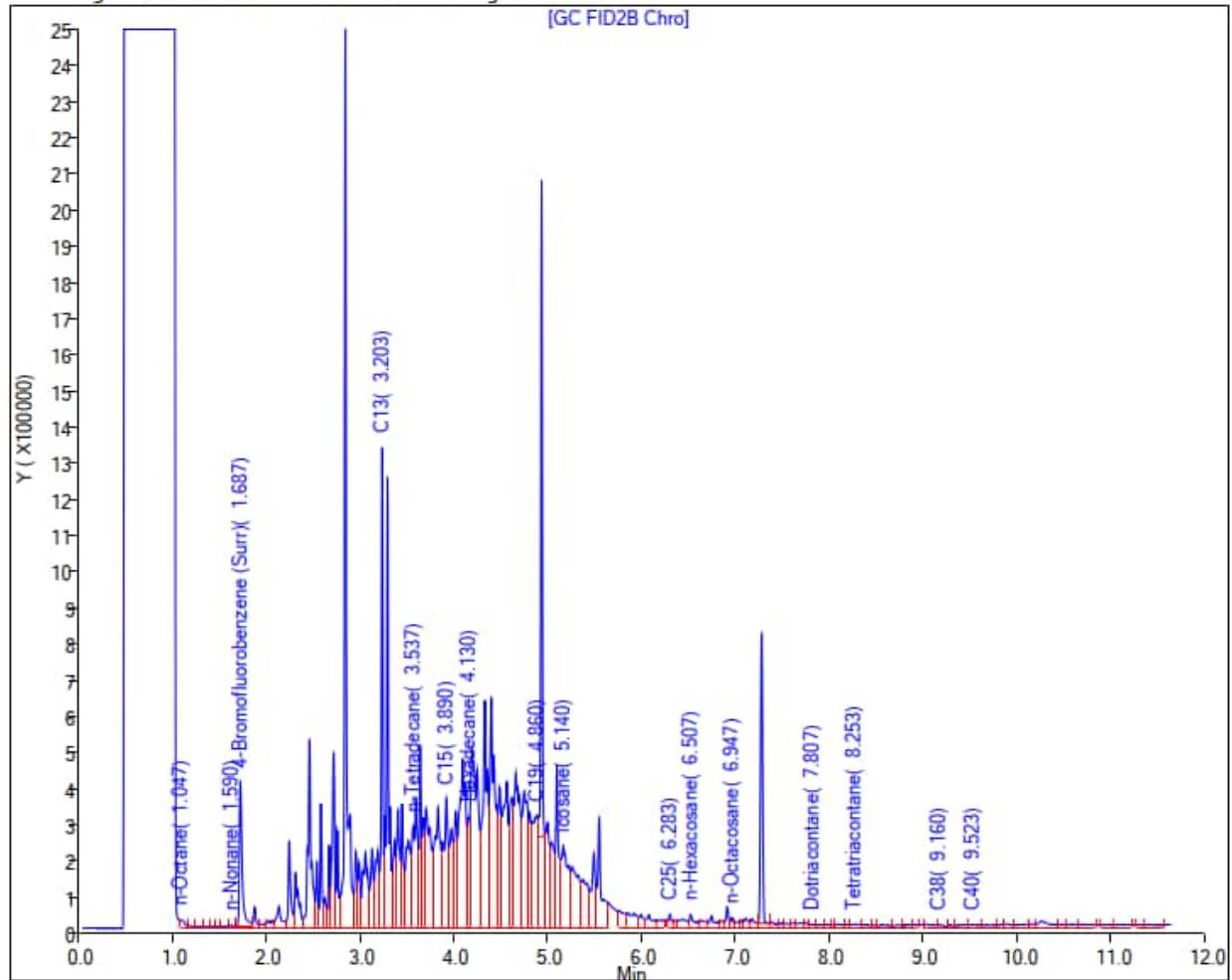
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 820

TPH-o SGC (C24 to C40) <310 U

Report Date: 16-Nov-2022 11:22:39

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221115-85803.b\1115ab22_009.D

Injection Date: 16-Nov-2022 00:06:30

Instrument ID: TAC020

Lims ID: 580-119865-N-8-C

Lab Sample ID: 580-119865-8

Client ID: RHMW02-WGN01B-2211WK1

Operator ID: DH

ALS Bottle#: 8 Worklist Smp#: 25

Injection Vol: 1.0 ul

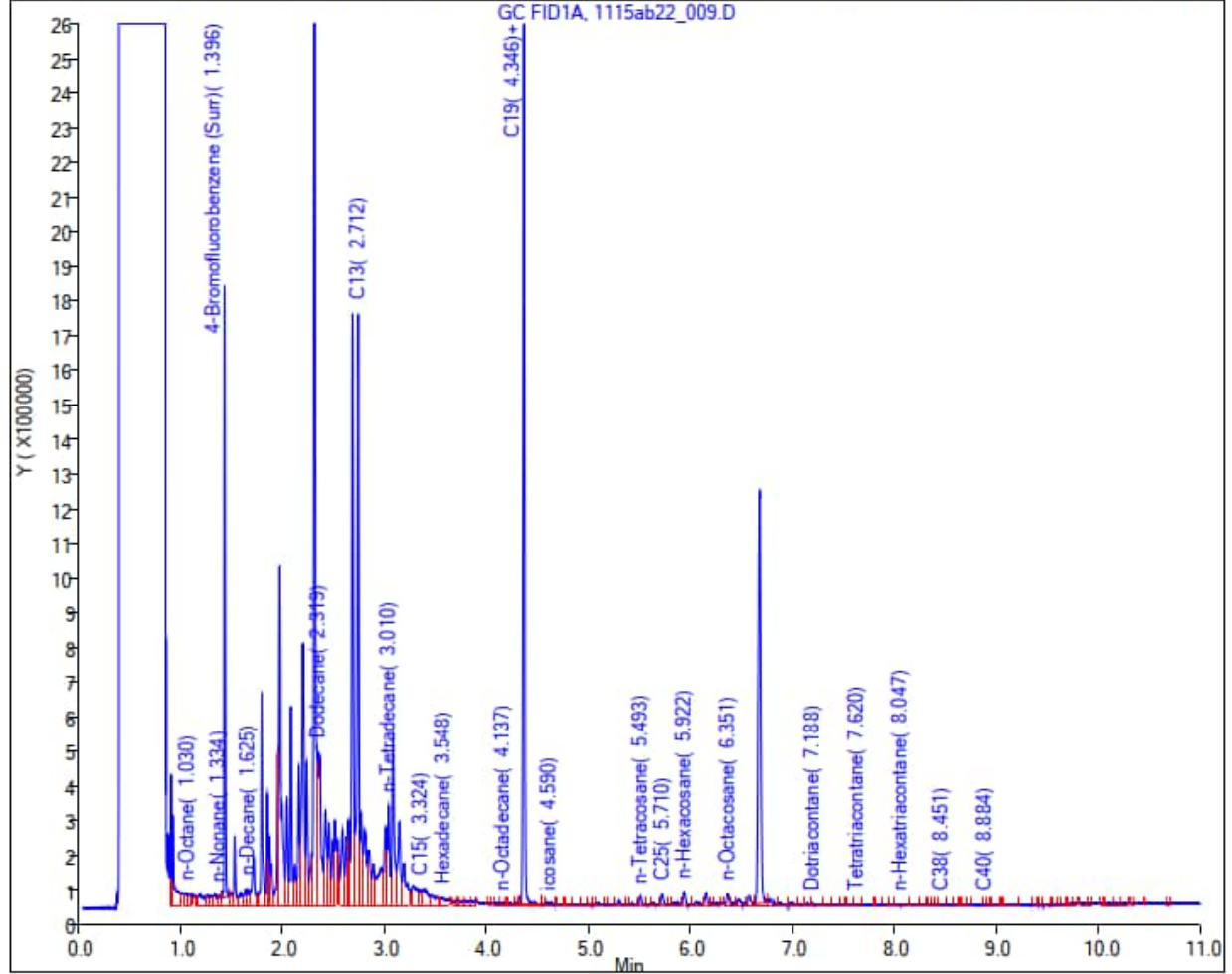
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

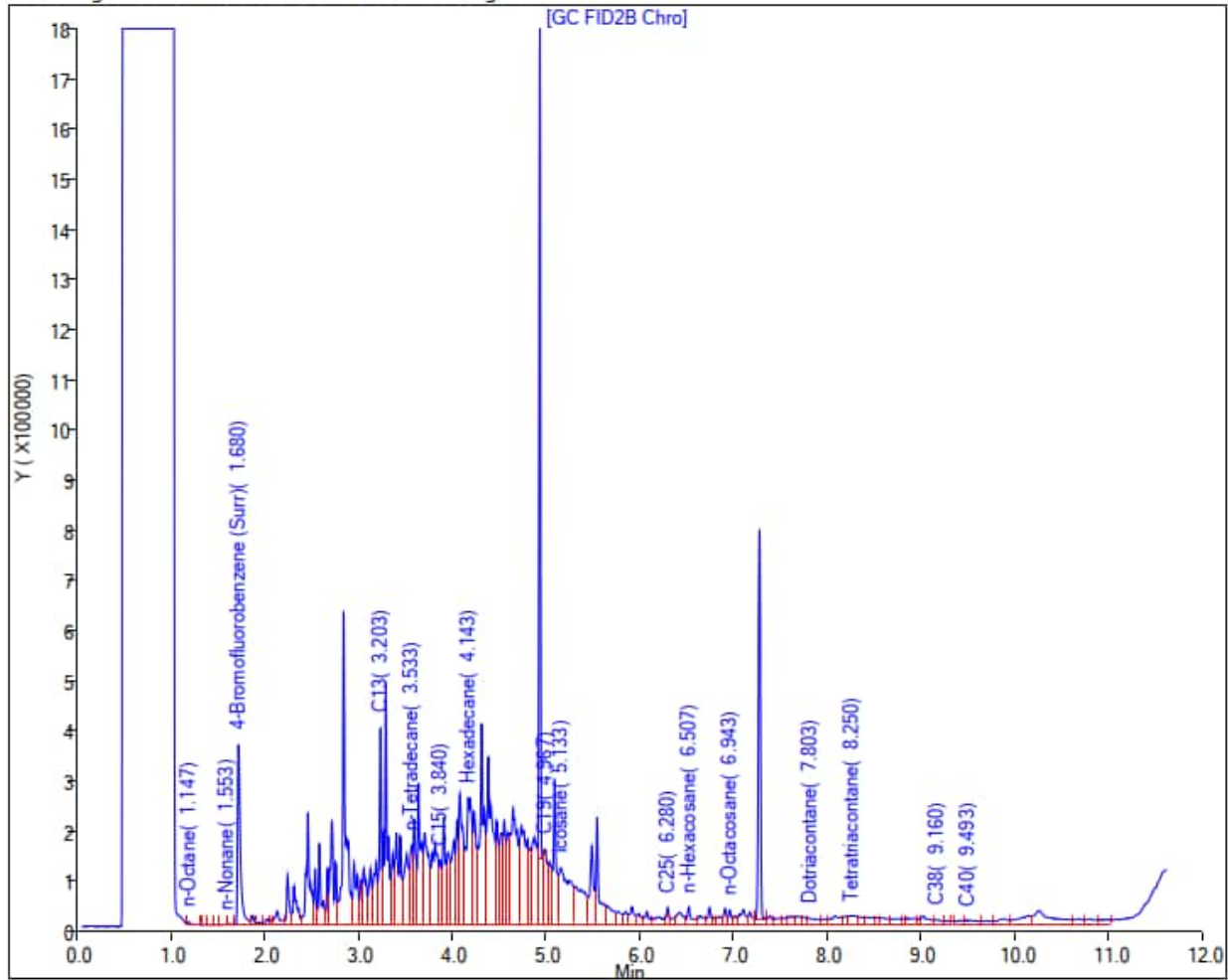
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW02 Sample ID: RHMW02-WGN02B-2211WK1 Sample Date: 11/10/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1400 TPH-o (C24 to C40) 250 J

Report Date: 17-Nov-2022 11:55:05 Chrom Revision: 2.3 16-Nov-2022 21:12:14
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A041.D
Injection Date: 17-Nov-2022 04:16:36 Instrument ID: TAC129_R
Lims ID: 580-119993-N-7-A Lab Sample ID: 580-119993-7
Client ID: RHMW02-WGN02B-2211WK1
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 50
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 420

TPH-o SGC (C24 to C40) <310 U

Report Date: 18-Nov-2022 11:58:30

Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_009.D

Injection Date: 17-Nov-2022 22:18:30

Instrument ID: TAC020

Lims ID: 580-119993-N-7-B

Lab Sample ID: 580-119993-7

Client ID: RHMW02-WGN02B-2211WK1

Operator ID: DH/CC

ALS Bottle#: 8 Worklist Smp#: 11

Injection Vol: 1.0 ul

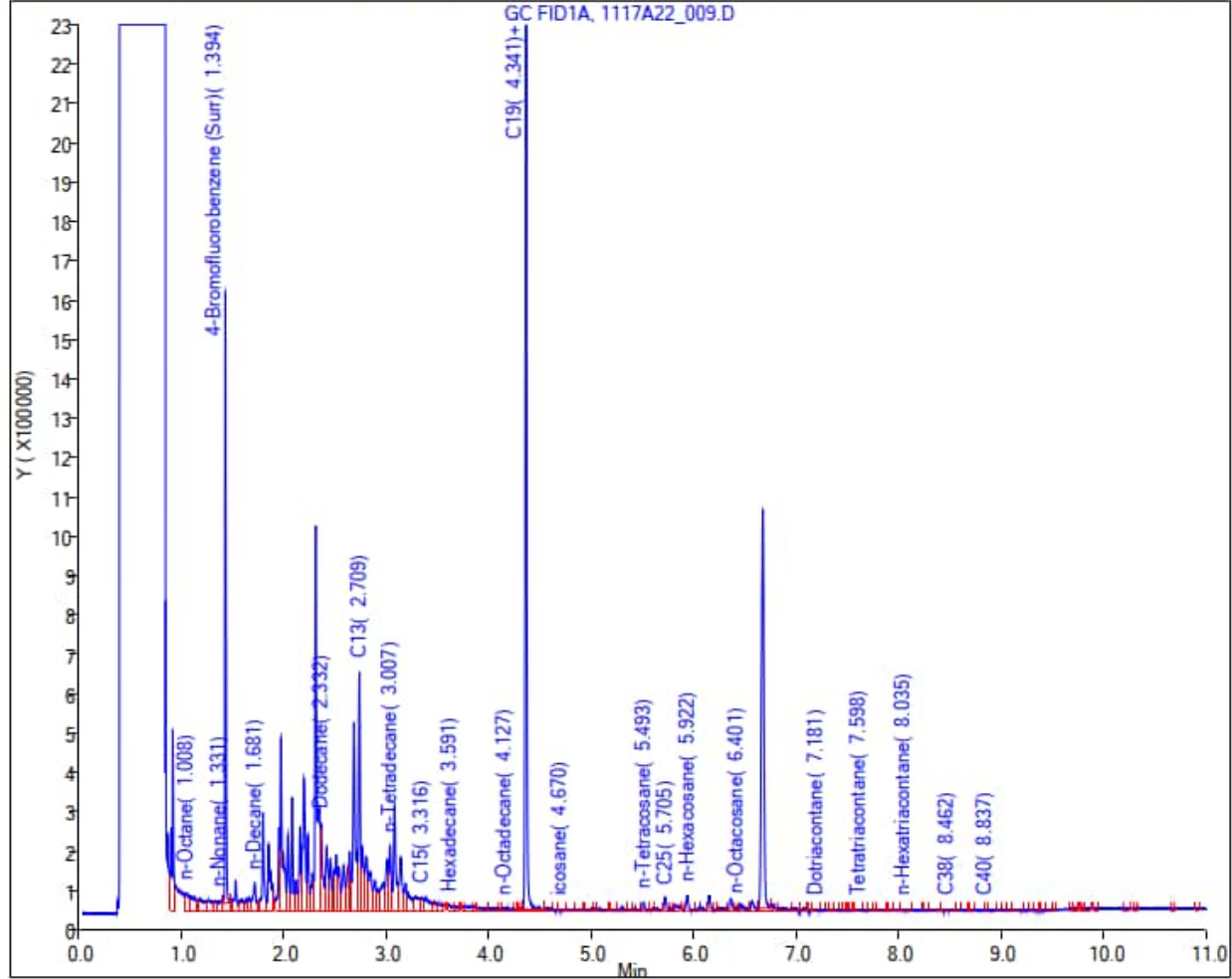
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

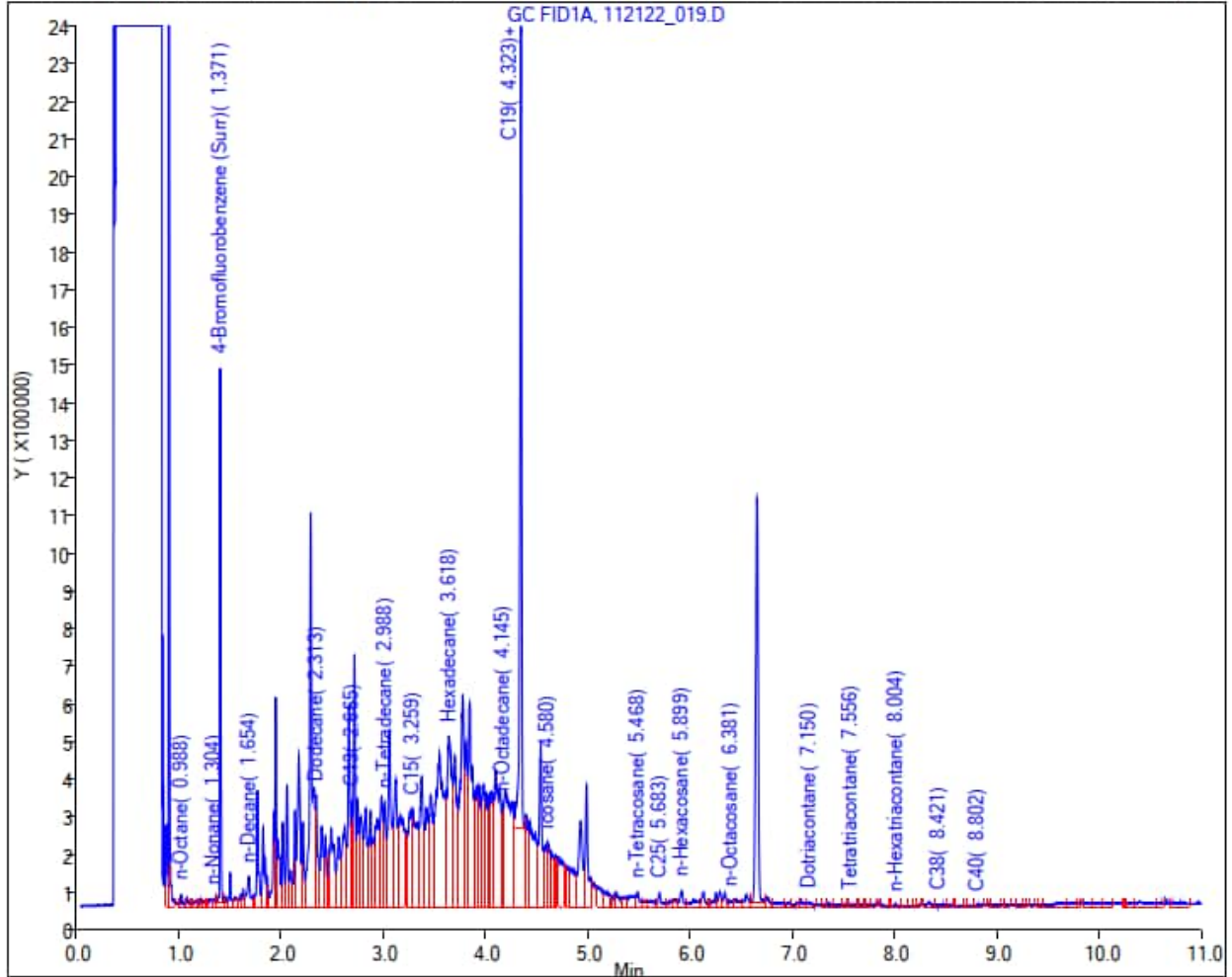
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2211WK2 Sample Date: 11/15/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1300 TPH-o (C24 to C40) <310 U

Report Date: 22-Nov-2022 14:59:40 Chrom Revision: 2.3 21-Nov-2022 18:34:02
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_019.D
Injection Date: 21-Nov-2022 23:42:30 Instrument ID: TAC020
Lims ID: 580-120153-N-7-A Lab Sample ID: 580-120153-7
Client ID: RHMW02-WGN01B-2211WK2
Operator ID: DH ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) 390

TPH-o SGC (C24 to C40) <310 U

Report Date: 23-Nov-2022 12:59:51

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221122-85928.b\1122ab22A039.D

Injection Date: 22-Nov-2022 22:37:08

Instrument ID: TAC129_R

Lims ID: 580-120153-N-7-C

Lab Sample ID: 580-120153-7

Client ID: RHMW02-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 30

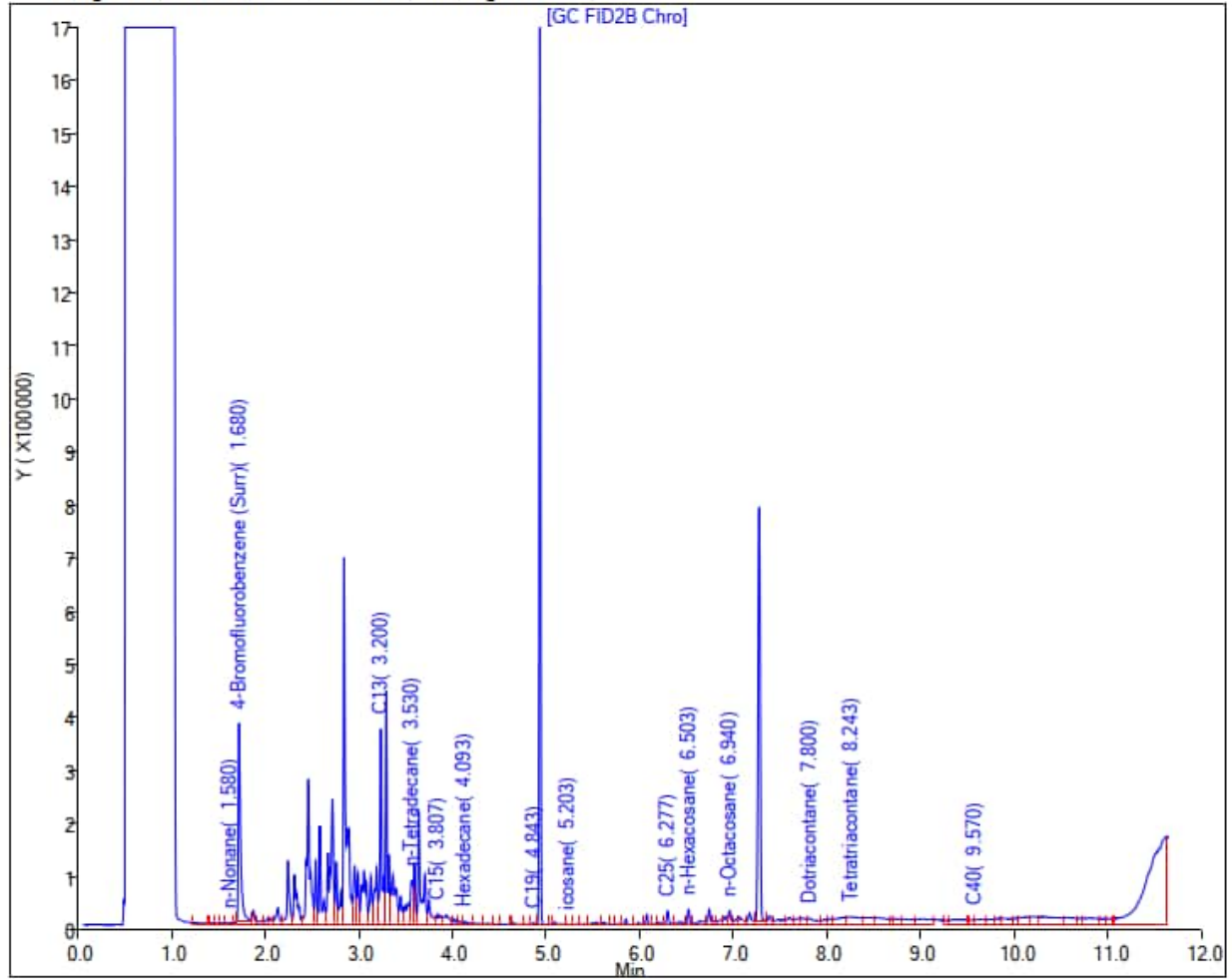
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

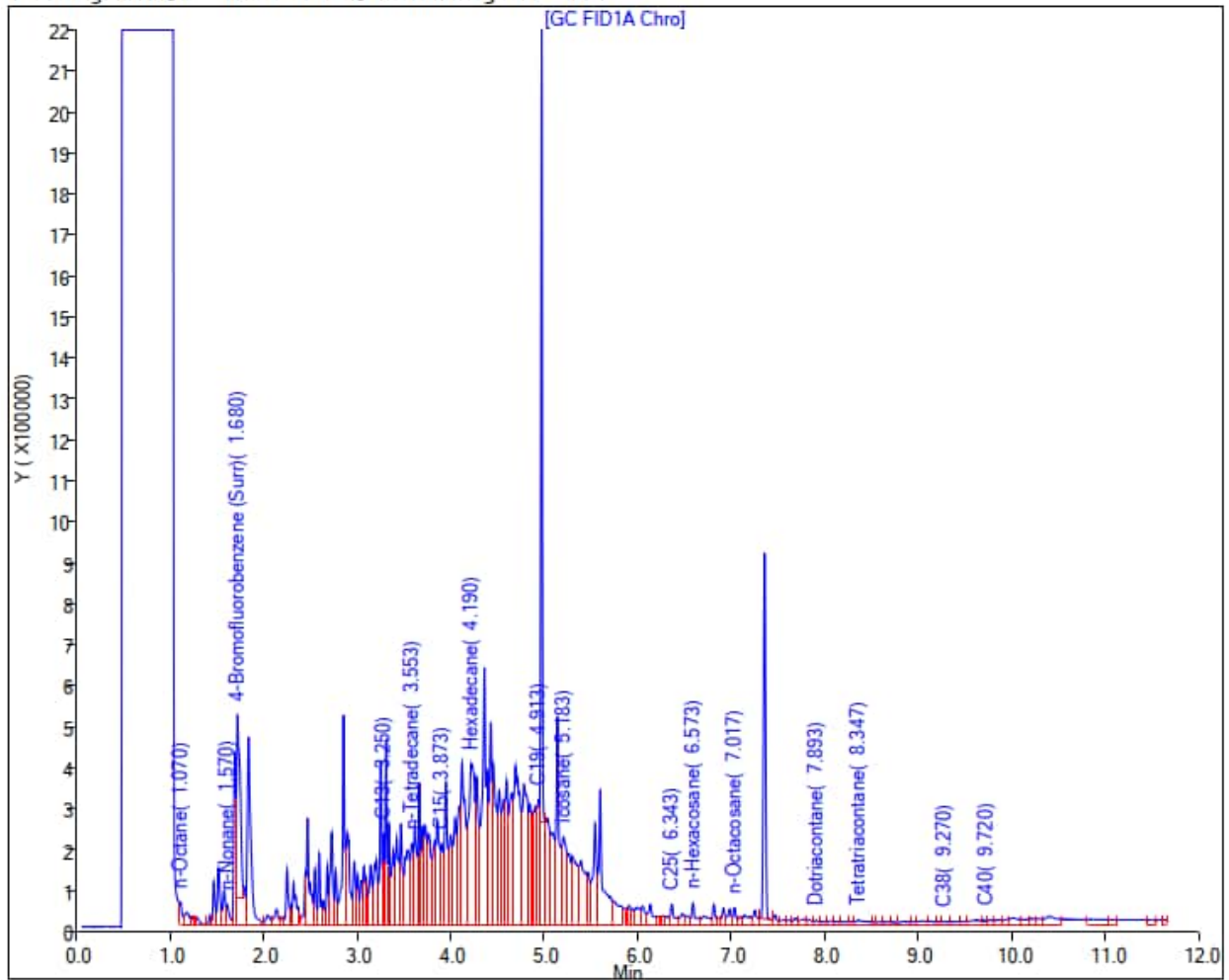
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN02B-2211WK2 Sample Date: 11/17/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1900 TPH-o (C24 to C40) 210 J

Report Date: 23-Nov-2022 12:55:28 Chrom Revision: 2.3 22-Nov-2022 16:59:54
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20221122-85931.b\1122ab22A070.D
Injection Date: 23-Nov-2022 03:15:27 Instrument ID: TAC129
Lims ID: 580-120199-N-17-A Lab Sample ID: 580-120199-17
Client ID: RHMW02-WGN02B-2211WK2
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 60
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 490

TPH-o SGC (C24 to C40) <300 U

Report Date: 30-Nov-2022 14:22:11

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221129-86014.b\112922_016.D

Injection Date: 29-Nov-2022 23:44:30

Instrument ID: TAC020

Lims ID: 580-120199-N-17-B

Lab Sample ID: 580-120199-17

Client ID: RHMW02-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul

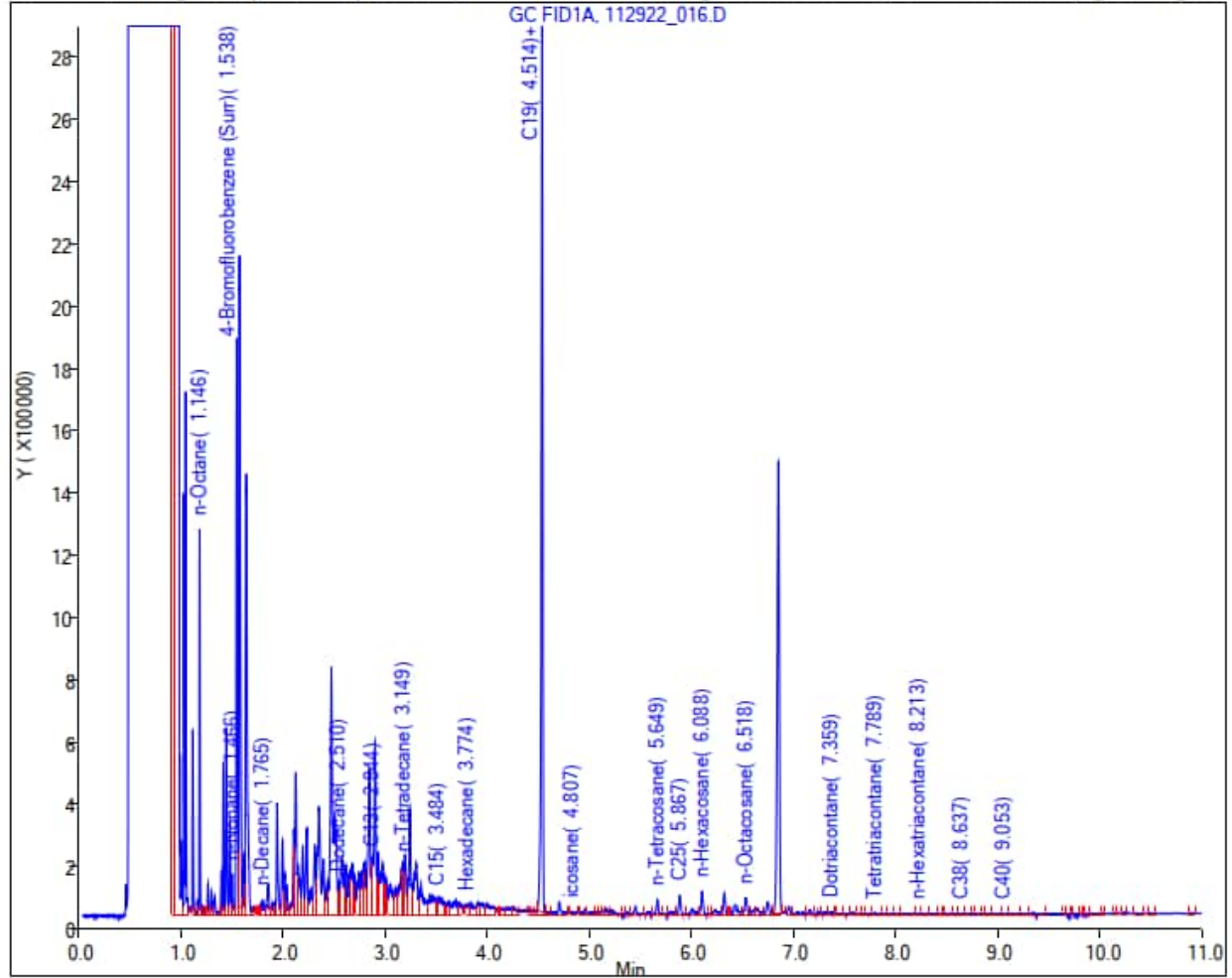
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

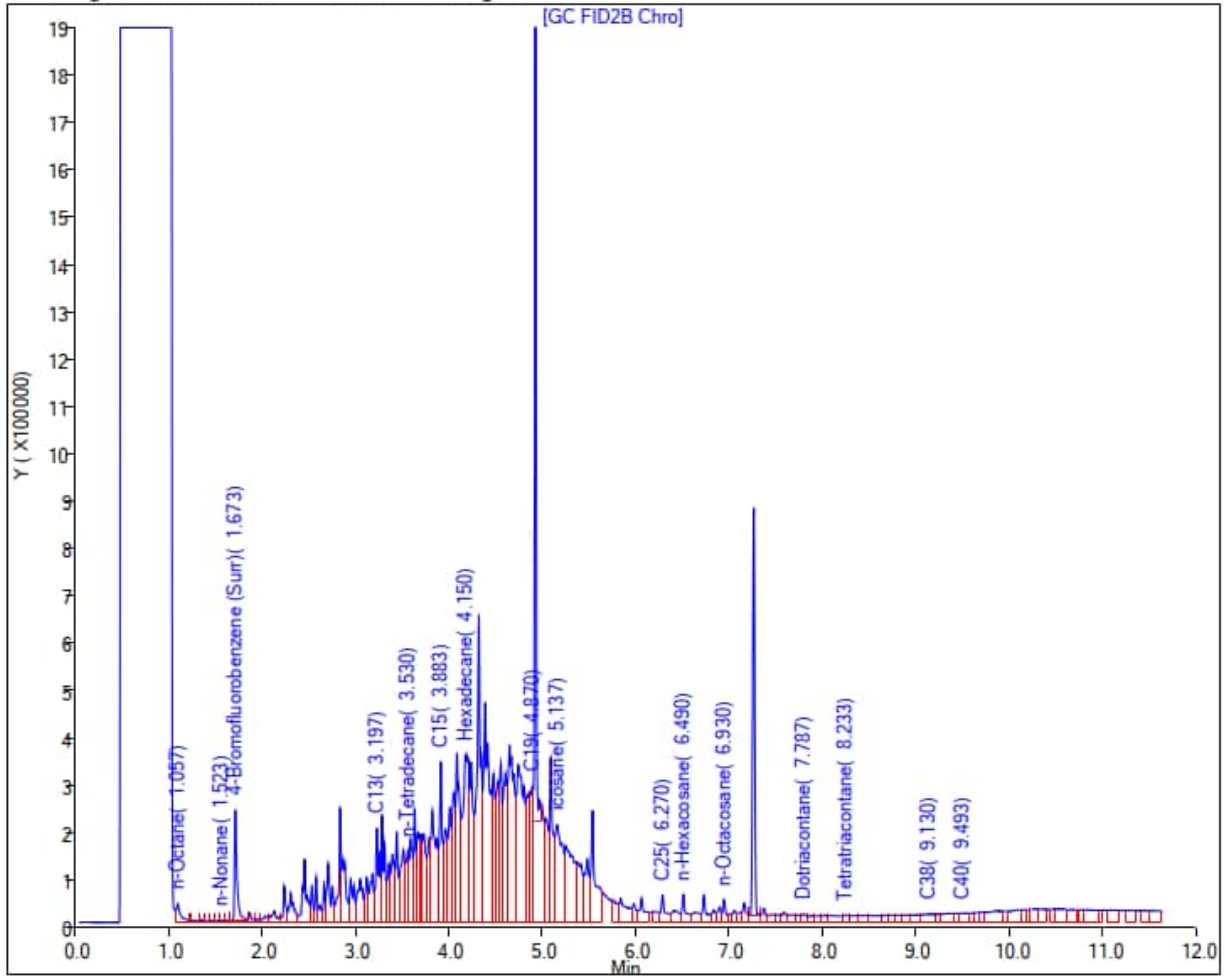
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2211WK3 Sample Date: 11/20/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1600 TPH-o (C24 to C40) 240 J

Report Date: 04-Jan-2023 18:43:59 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221229-86444.b\122922A023.D
Injection Date: 29-Dec-2022 17:10:43 Instrument ID: TAC129_R
Lims ID: 580-120304-N-1-A Lab Sample ID: 580-120304-1
Client ID: RHMW09-WGN01B-2211WK3
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 58
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 260 J

TPH-o SGC (C24 to C40) <310 U

Report Date: 02-Dec-2022 14:14:45

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221201-86051.b\120122_022.D

Injection Date: 01-Dec-2022 23:20:30

Instrument ID: TAC020

Lims ID: 580-120304-N-1-C

Lab Sample ID: 580-120304-1

Client ID: RHMW09-WGN01B-2211WK3

Operator ID: DH

ALS Bottle#: 22 Worklist Smp#: 22

Injection Vol: 1.0 ul

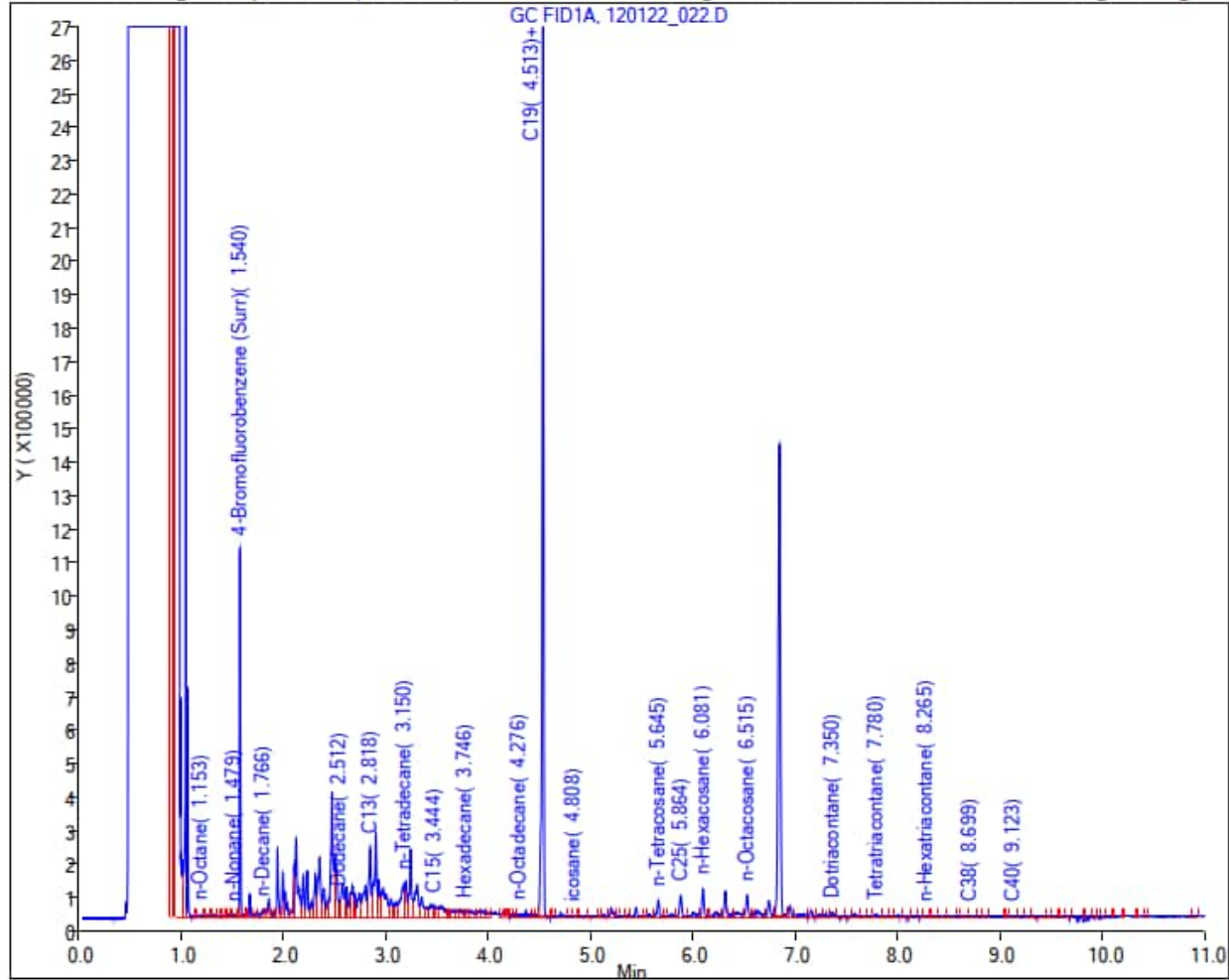
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

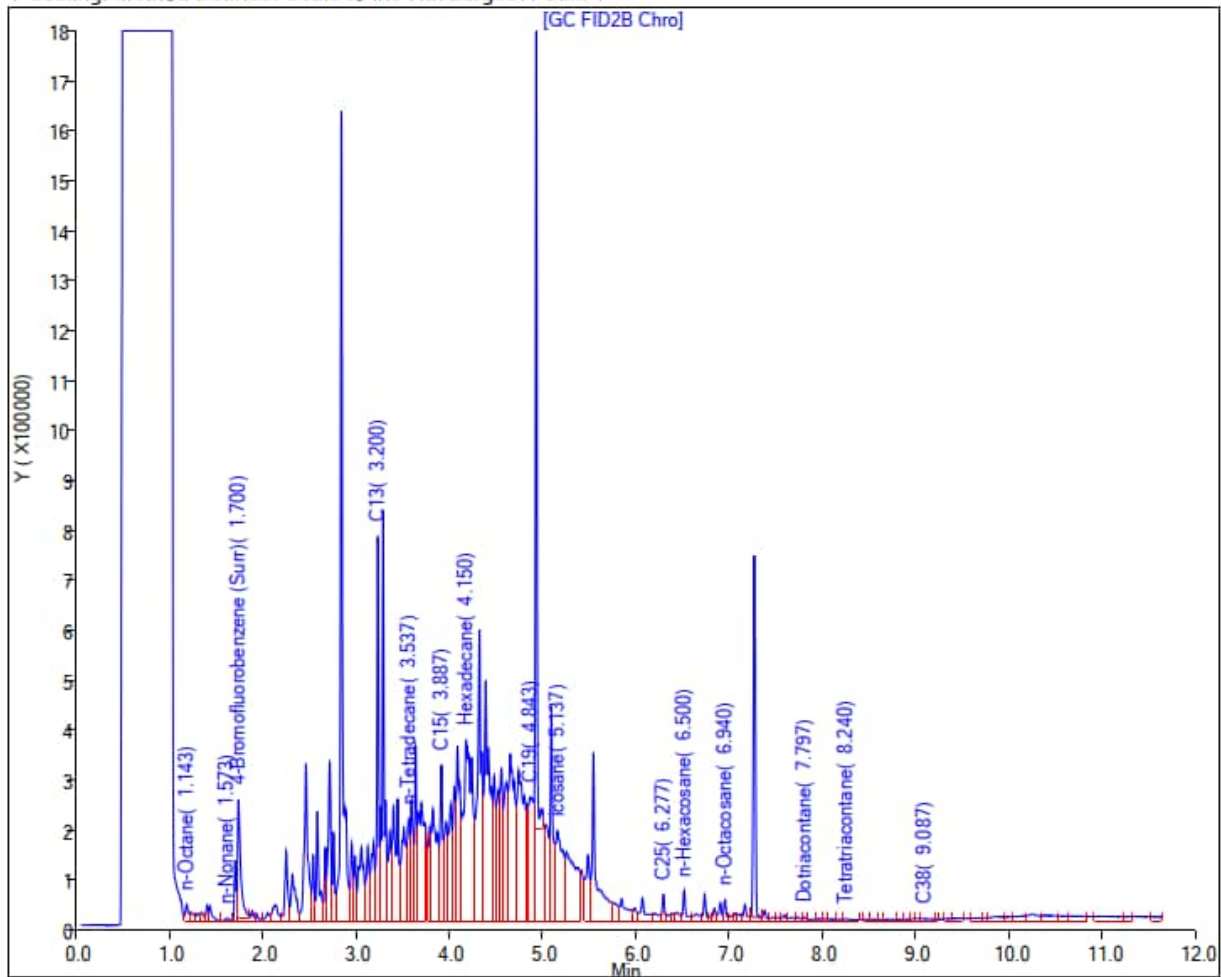
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2211WK4 Sample Date: 11/29/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 2000 TPH-o (C24 to C40) 230 J

Report Date: 05-Dec-2022 14:22:52 Chrom Revision: 2.3 01-Dec-2022 08:01:02
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A015.D
Injection Date: 03-Dec-2022 20:16:15 Instrument ID: TAC129_R
Lims ID: 580-120540-O-1-A Lab Sample ID: 580-120540-1
Client ID: RHMW02-WGN01B-2211WK4
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 1600

TPH-o SGC (C24 to C40) <300 U

Report Date: 06-Dec-2022 15:35:15

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221205-86109.b\120522_017.D

Injection Date: 05-Dec-2022 22:06:30

Instrument ID: TAC020

Lims ID: 580-120540-O-1-B

Lab Sample ID: 580-120540-1

Client ID: RHMW02-WGN01B-2211WK4

Operator ID: DH

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

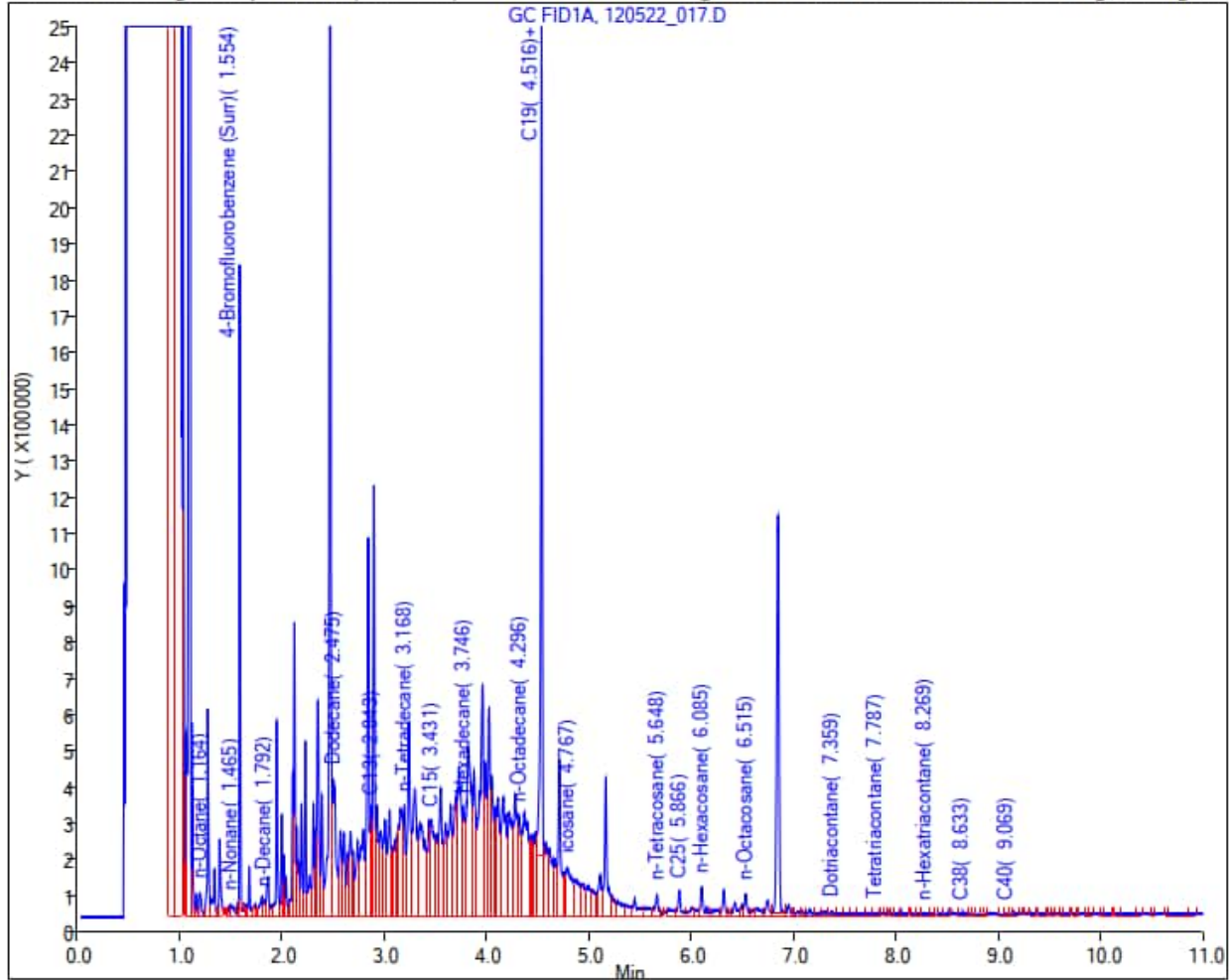
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW02
Lab: Eurofins Seattle

Sample ID: RHMW02-WGN01B-2212WK2

Sample Date: 12/14/2022

Results (ug/L): TPH-d (C10 to C24) 2200 J

TPH-o (C24 to C40) 200 J

Report Date: 19-Dec-2022 16:38:41

Chrom Revision: 2.3 16-Dec-2022 13:58:54

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221216-86306.b\121622A051.D

Eurofins Seattle

Injection Date: 17-Dec-2022 06:41:04

Instrument ID: TAC129_R

Lims ID: 580-121310-N-1-A

Lab Sample ID: 580-121310-1

Client ID: RHMW02-WGN01B-2212WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 48

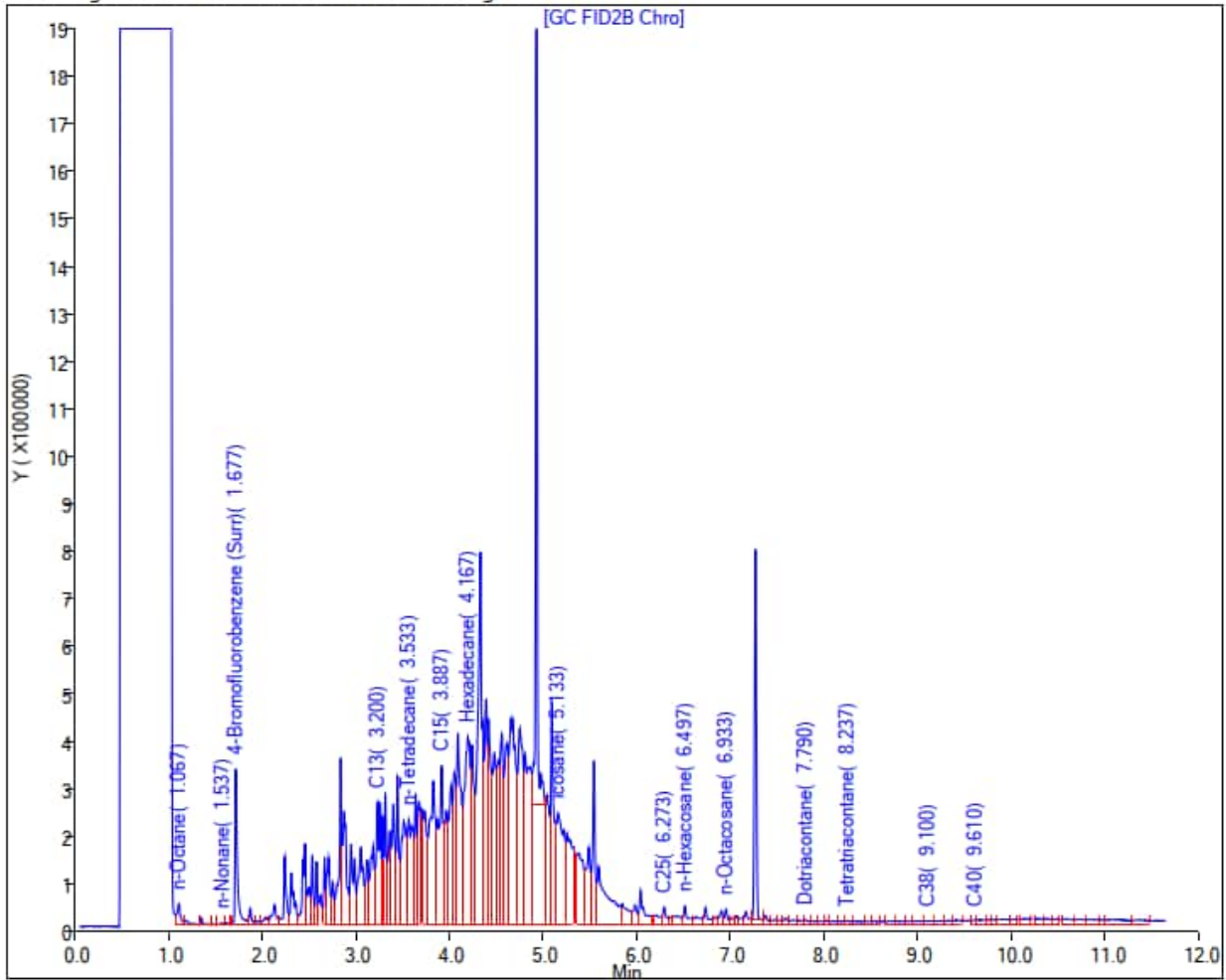
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 370 J

TPH-o SGC (C24 to C40) <300 U

Report Date: 28-Dec-2022 14:20:01

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221227-86415.b\1227a22A013.D

Injection Date: 27-Dec-2022 21:06:29

Instrument ID: TAC129_R

Lims ID: 580-121310-N-1-B

Lab Sample ID: 580-121310-1

Client ID: RHMW02-WGN01B-2212WK2

Operator ID: DH

ALS Bottle#: 0 Worklist Smp#: 9

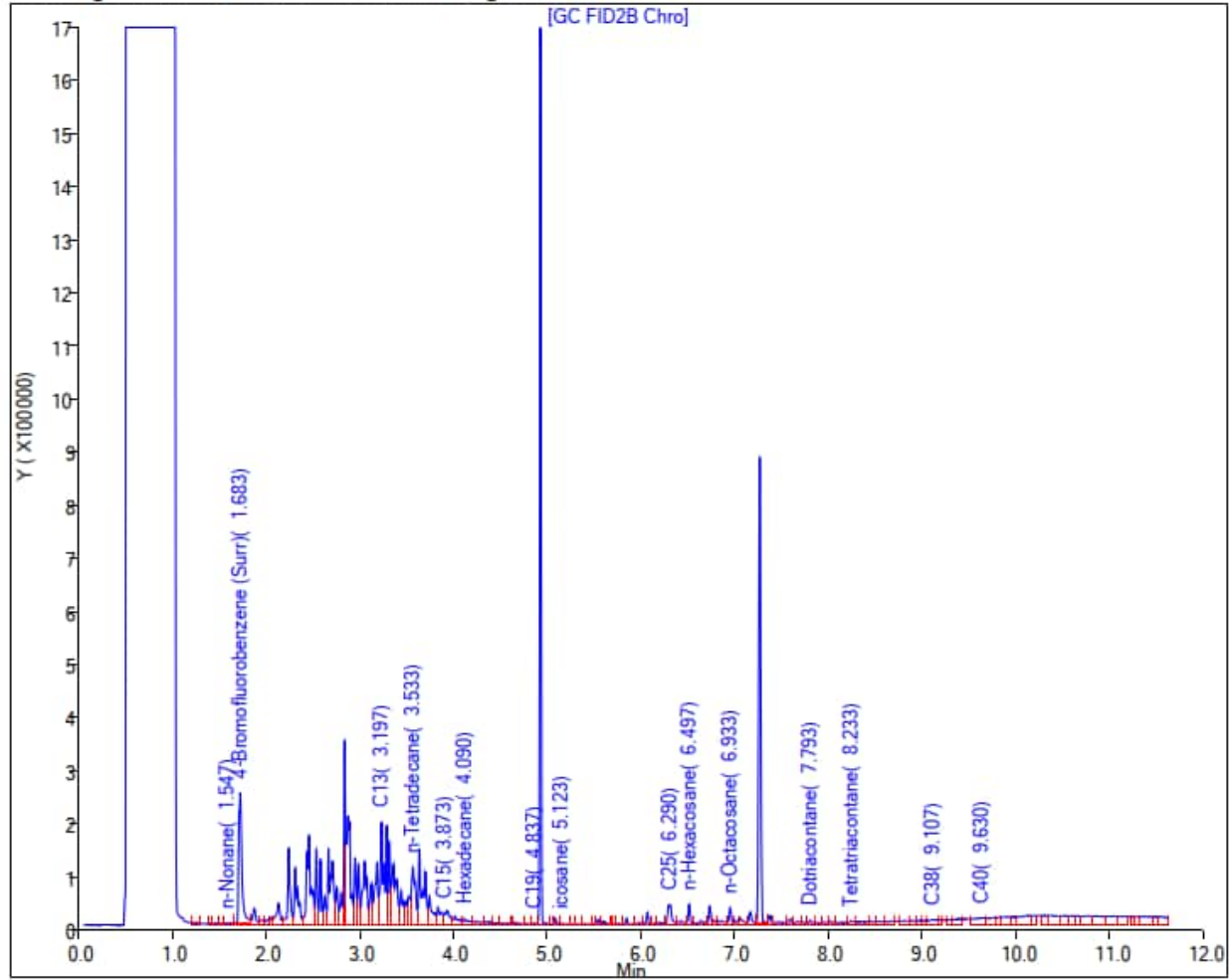
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

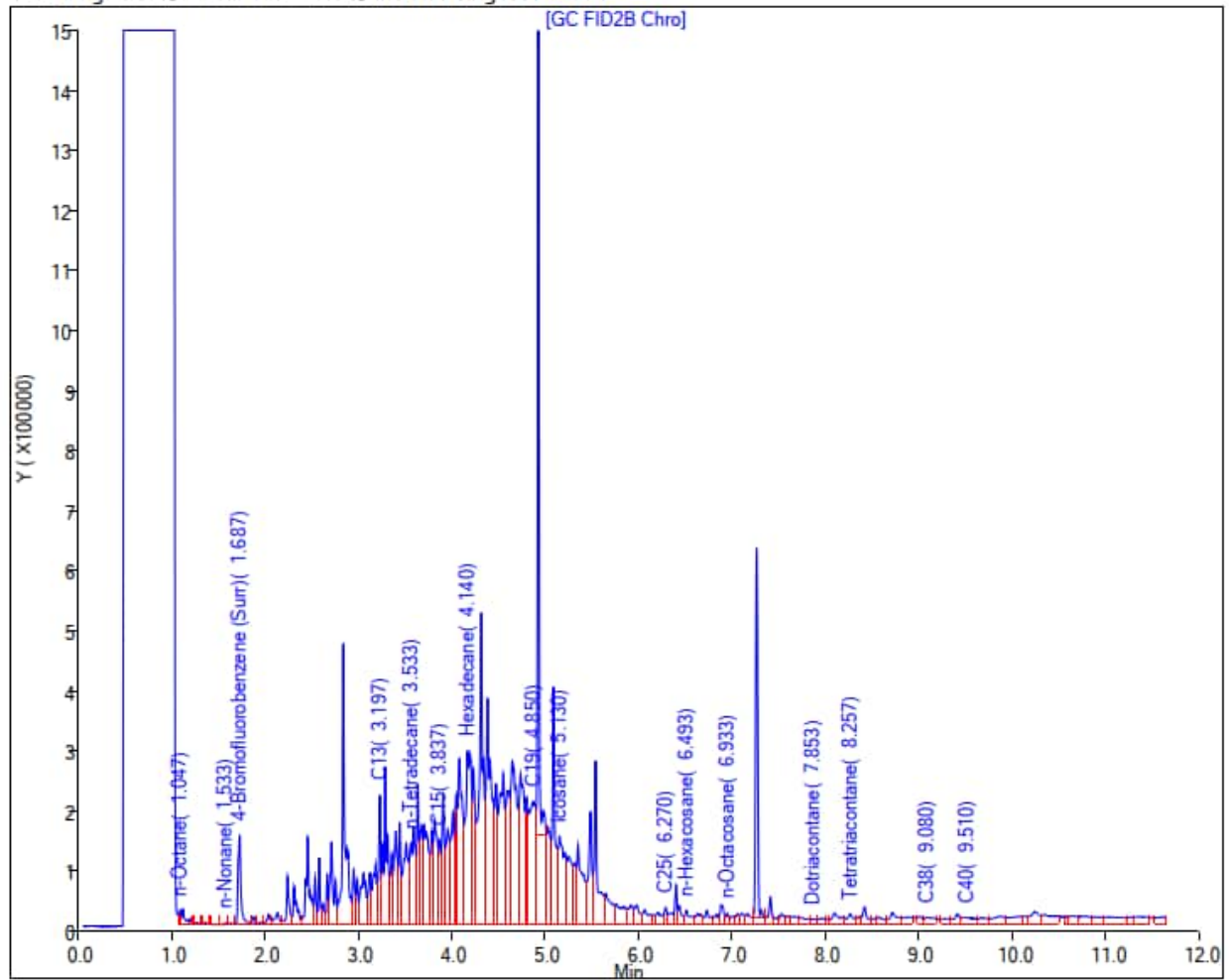
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2212WK3 Sample Date: 12/20/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1300 TPH-o (C24 to C40) 200 J

Report Date: 29-Dec-2022 14:32:31 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221228-86433.b\122822A015.D
Injection Date: 29-Dec-2022 00:30:02 Instrument ID: TAC129_R
Lims ID: 580-121497-O-3-A Lab Sample ID: 580-121497-3
Client ID: RHMW02-WGN01B-2212WK3
Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 410

TPH-o SGC (C24 to C40) <300 U

Report Date: 14-Jan-2023 15:34:41

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230113-86667.b\0113a23A055.D

Injection Date: 14-Jan-2023 07:30:56

Instrument ID: TAC129_R

Lims ID: 580-121497-O-3-B

Lab Sample ID: 580-121497-3

Client ID: RHMW02-WGN01B-2212WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 69

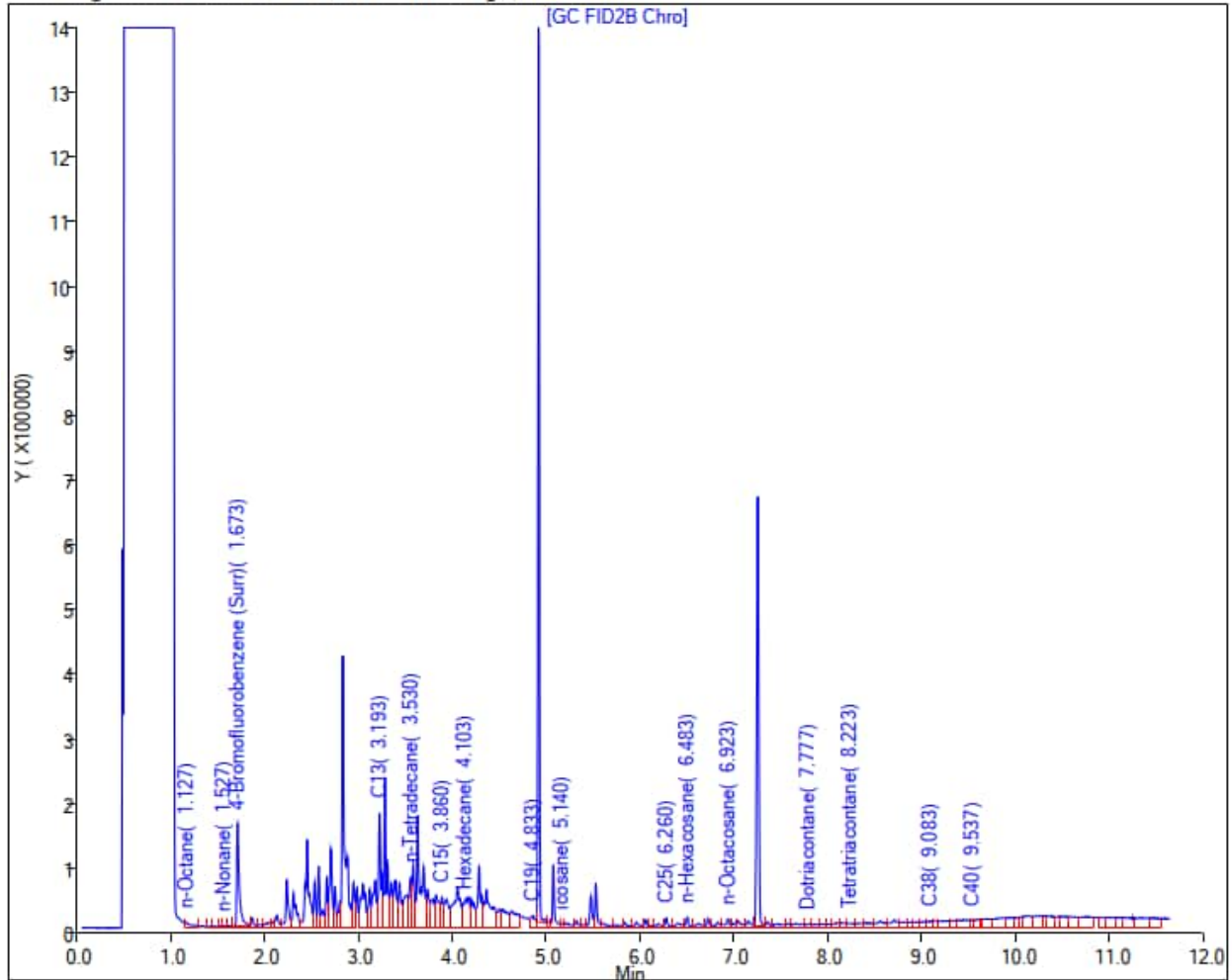
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2212WK4 Sample Date: 12/28/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1100

TPH-o (C24 to C40) 230 J

Report Date: 06-Jan-2023 14:13:00

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A041.D

Injection Date: 05-Jan-2023 21:31:15

Instrument ID: TAC129_R

Lims ID: 580-121703-F-13-A

Lab Sample ID: 580-121703-13

Client ID: RHMW02-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 36

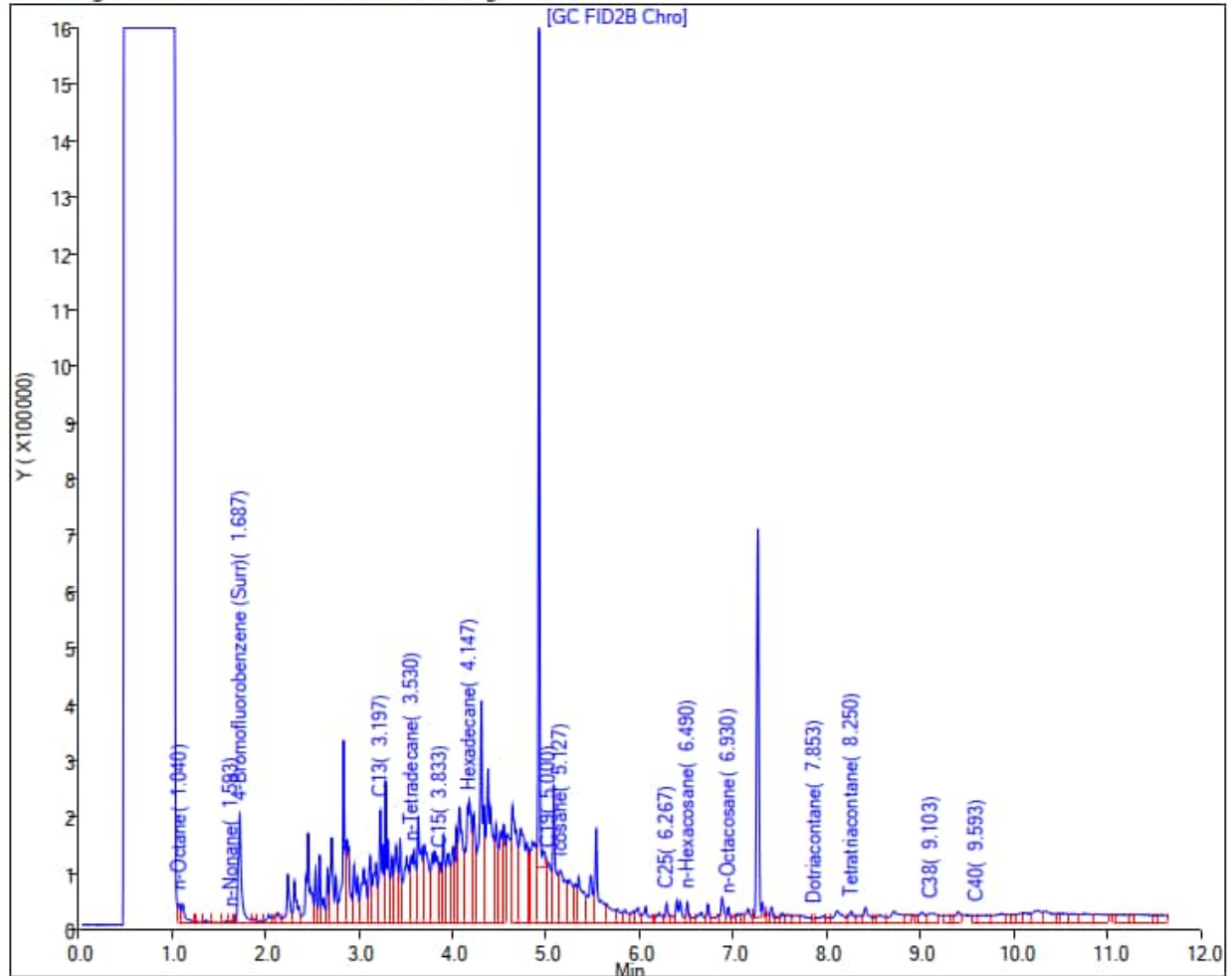
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 310

TPH-o SGC (C24 to C40) <310 U

Report Date: 17-Jan-2023 09:36:41

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230116-86679.b\011623A091.D

Injection Date: 17-Jan-2023 01:03:08

Instrument ID: TAC129_R

Lims ID: 580-121703-F-13-B

Lab Sample ID: 580-121703-13

Client ID: RHMW02-WGN01B-2212WK4

Operator ID: CC

ALS Bottle#: 0 Worklist Smp#: 90

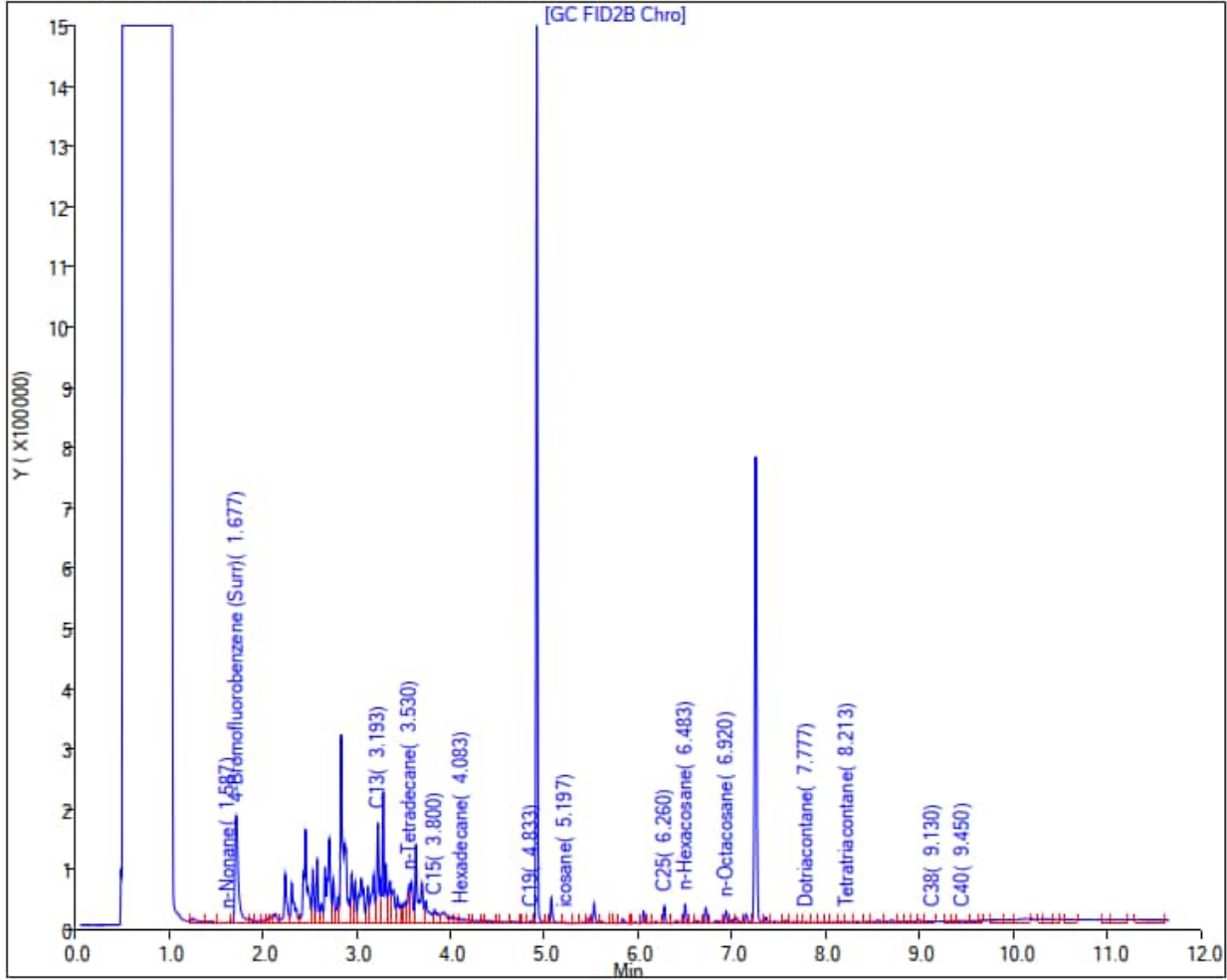
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2301WK1 Sample Date: 1/4/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1800

TPH-o (C24 to C40) 220 J

Report Date: 13-Jan-2023 14:27:41

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\0112aa23A007.D

Injection Date: 13-Jan-2023 09:26:42

Instrument ID: TAC129_R

Lims ID: 580-121868-N-13-A

Lab Sample ID: 580-121868-13

Client ID: RHMW02-WGN01B-2301WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 44

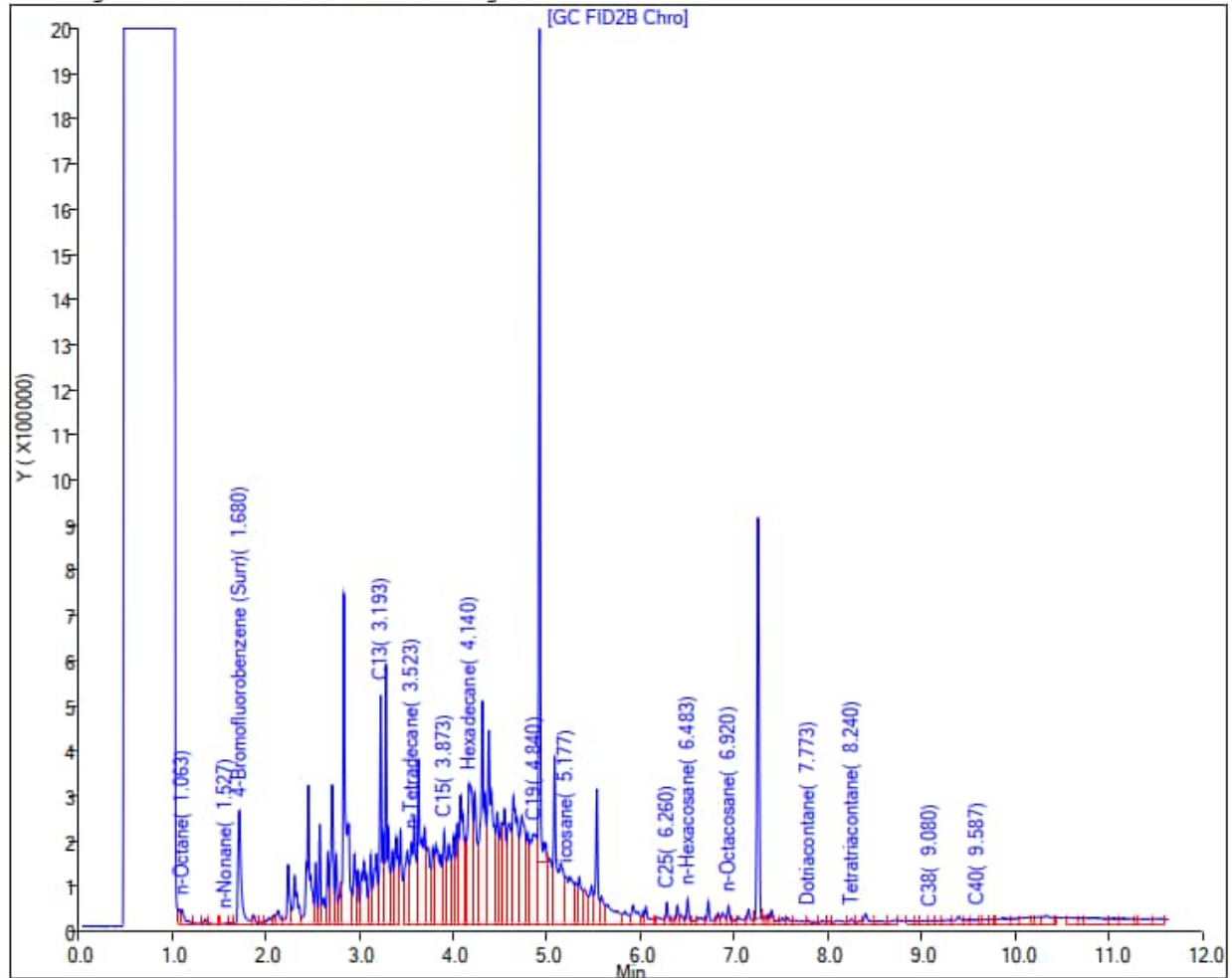
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 470

TPH-o SGC (C24 to C40) <310 U

Report Date: 14-Jan-2023 15:34:26

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230113-86667.b\0113a23A045.D

Injection Date: 14-Jan-2023 05:57:52

Instrument ID: TAC129_R

Lims ID: 580-121868-N-13-B

Lab Sample ID: 580-121868-13

Client ID: RHMW02-WGN01B-2301WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 64

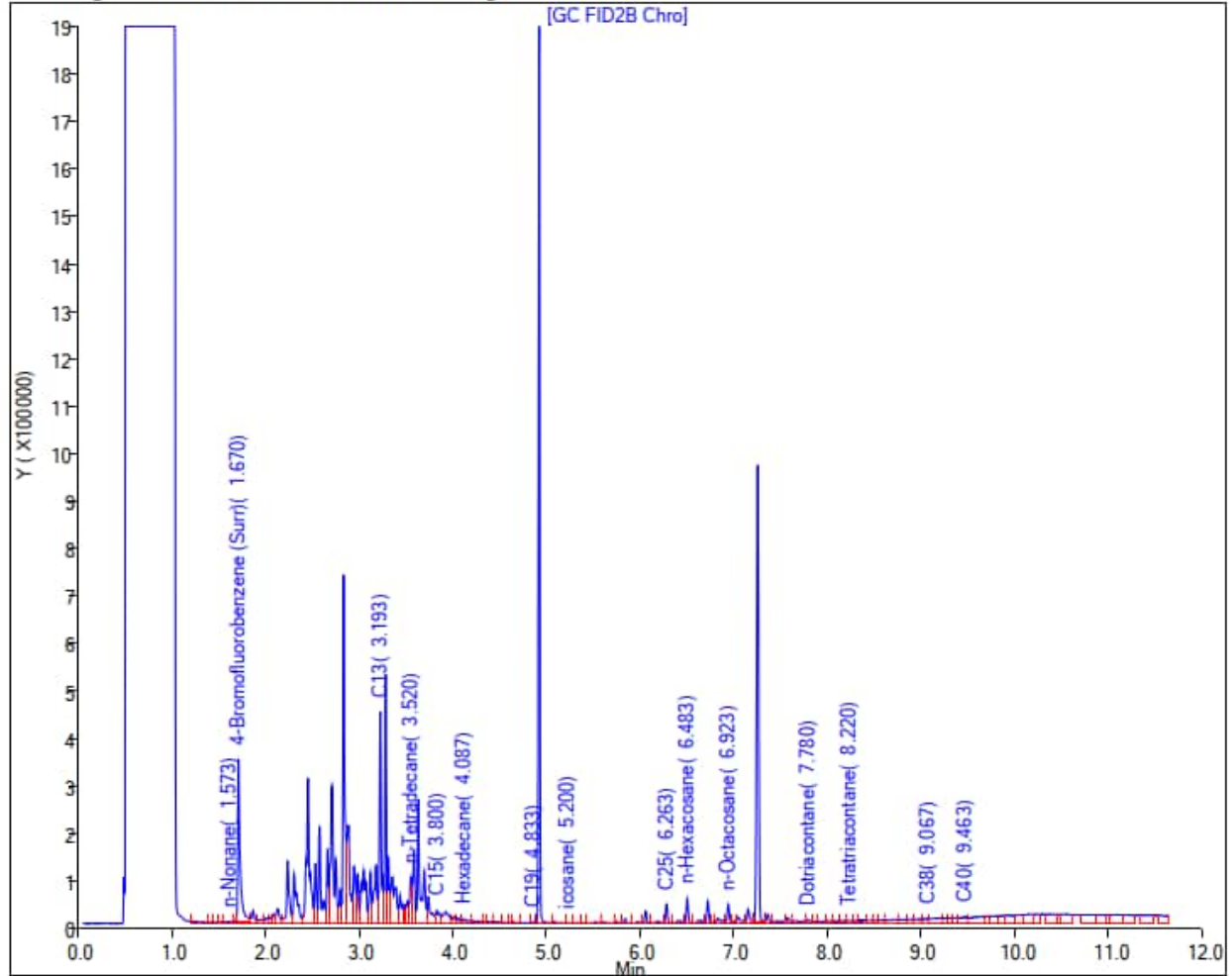
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

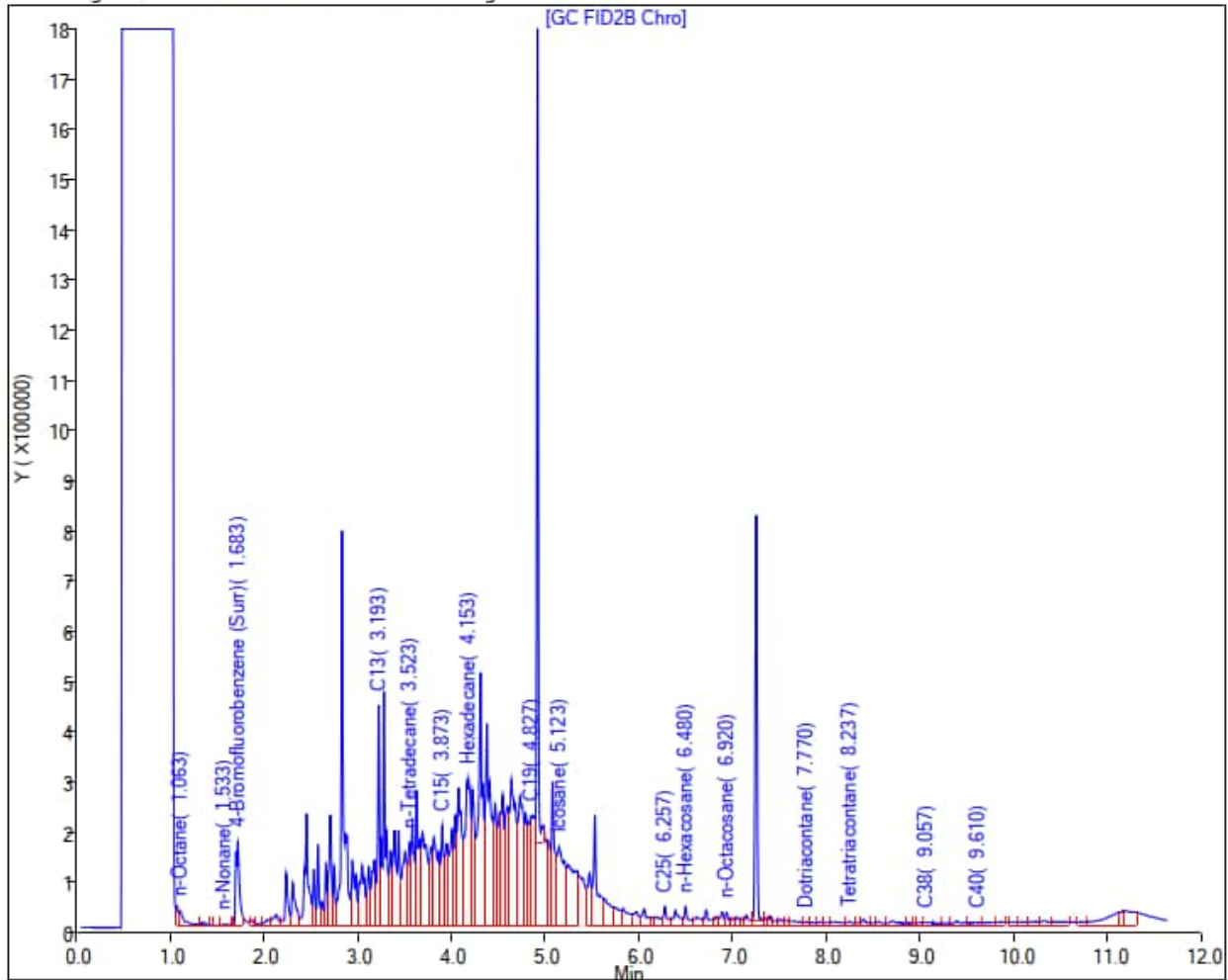
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2301WK2 Sample Date: 1/10/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 1700 TPH-o (C24 to C40) 190 J

Report Date: 18-Jan-2023 09:33:25 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A035.D
Injection Date: 18-Jan-2023 02:45:06 Instrument ID: TAC129_R
Lims ID: 580-122061-O-7-A Lab Sample ID: 580-122061-7
Client ID: RHMW02-WGN01B-2301WK2
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 47
Injection Vol: 1.0 uL/L Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 480

TPH-o SGC (C24 to C40) <300 U

Report Date: 20-Jan-2023 11:08:14

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230119-86748.b\011923A047.D

Injection Date: 19-Jan-2023 18:24:18

Instrument ID: TAC129_R

Lims ID: 580-122061-O-7-B

Lab Sample ID: 580-122061-7

Client ID: RHMW02-WGN01B-2301WK2

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

24

Injection Vol: 1.0 uL/L

Dil. Factor:

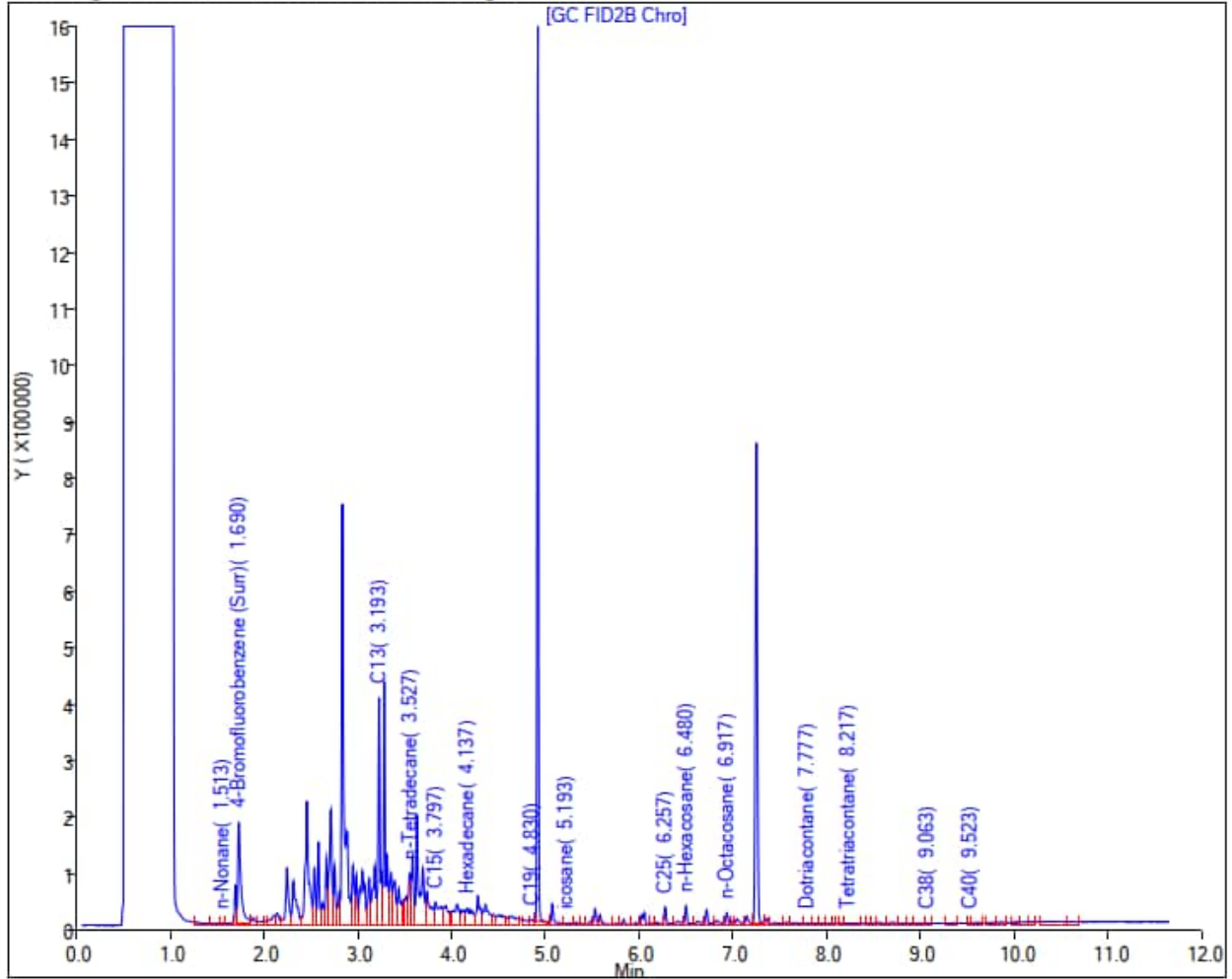
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

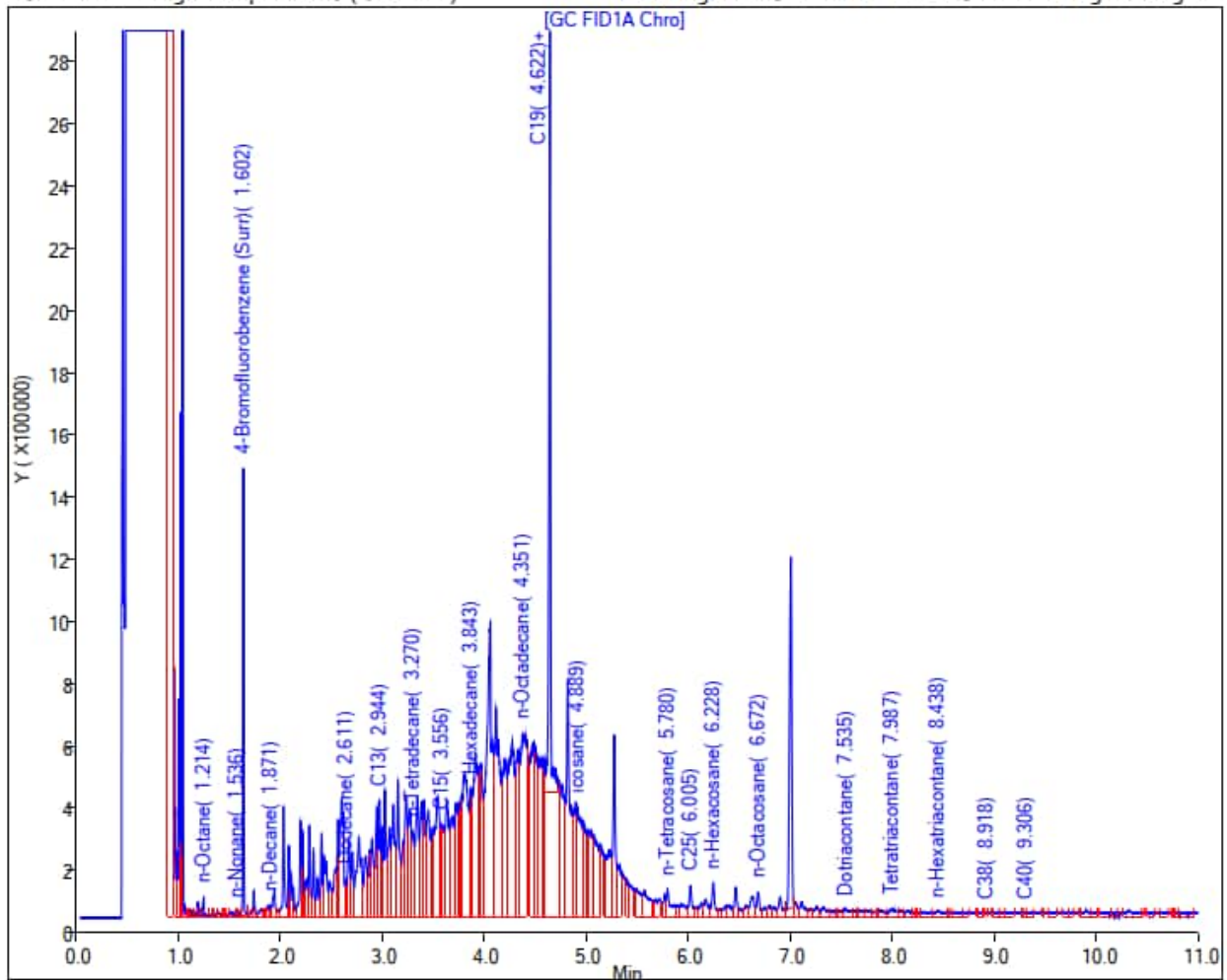
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2301WK3 Sample Date: 1/17/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 2100 TPH-o (C24 to C40) 210 J

Report Date: 26-Jan-2023 12:15:27 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230125-86809.b\0125b23_055.D
Injection Date: 26-Jan-2023 09:43:12 Instrument ID: TAC020
Lims ID: 580-122420-N-9-A Lab Sample ID: 580-122420-9
Client ID: RHMW02-WGN01B-2301WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 128
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) 380

TPH-o SGC (C24 to C40) <310 U

Report Date: 03-Feb-2023 08:36:35

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230202-86914.b\020223A009.D

Injection Date: 02-Feb-2023 10:59:33

Instrument ID: TAC129_R

Lims ID: 580-122420-N-9-B

Lab Sample ID: 580-122420-9

Client ID: RHMW02-WGN01B-2301WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 5

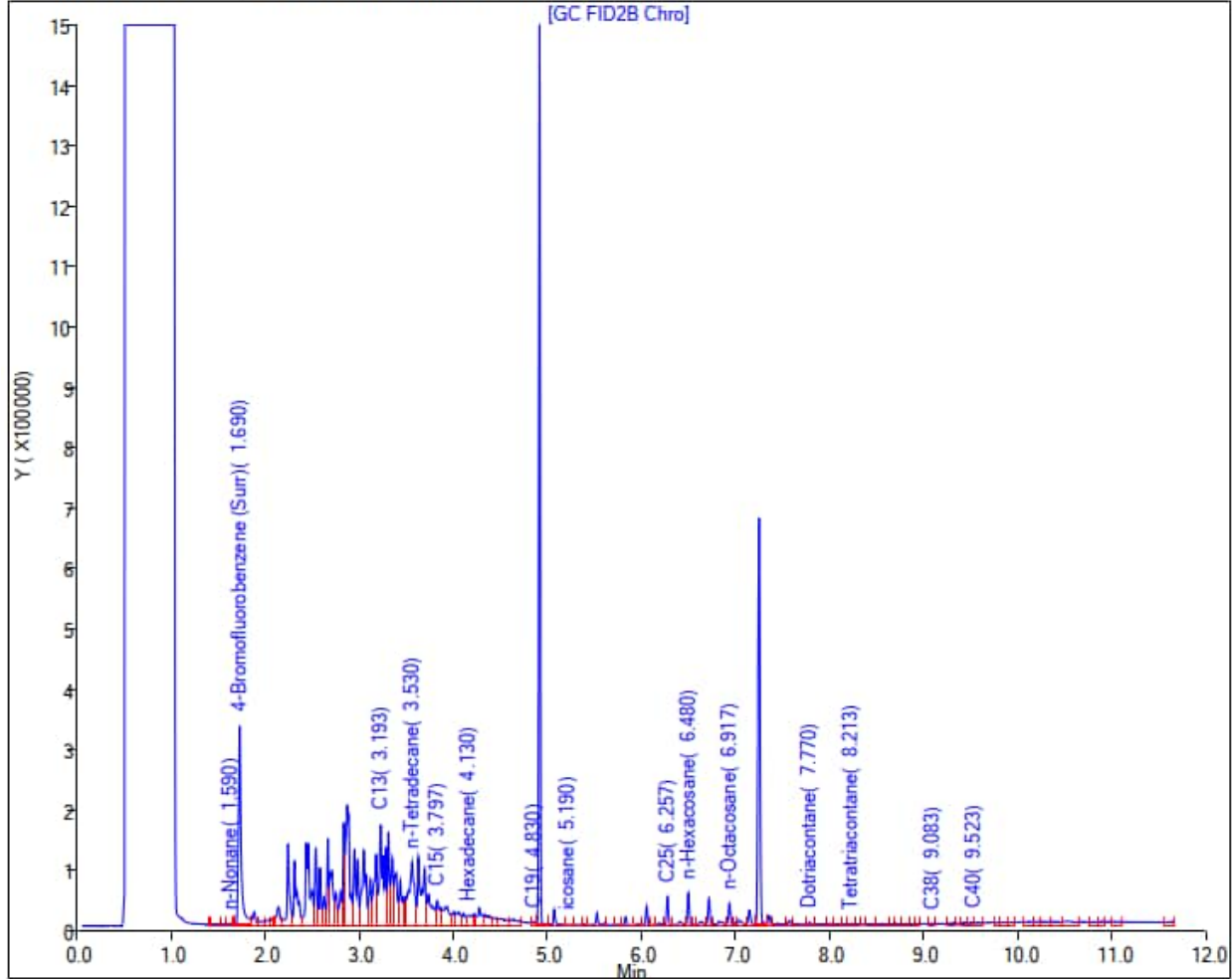
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

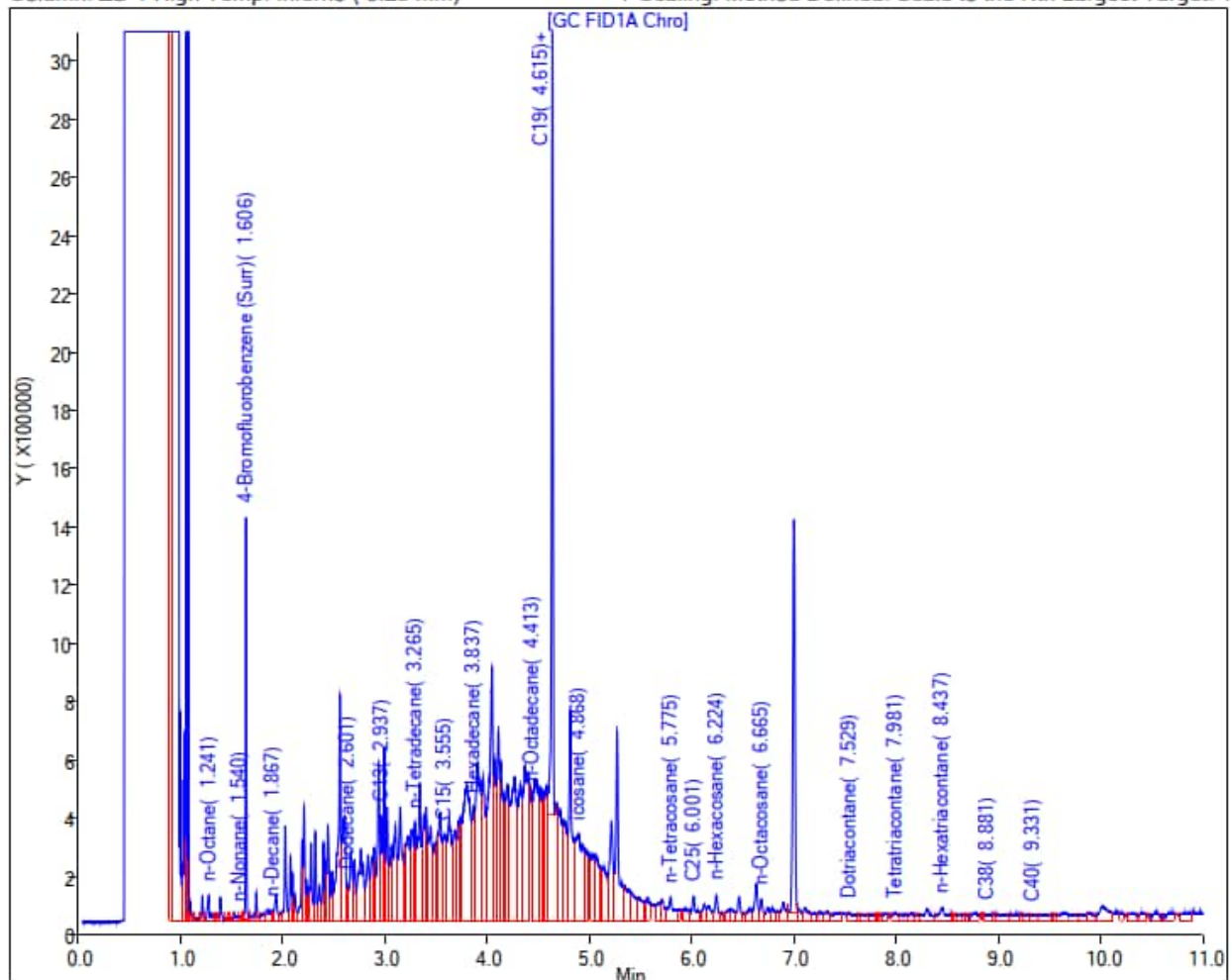
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW02 Sample ID: RHMW02-WGN01B-2301WK4 Sample Date: 1/24/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 2000 J- TPH-o (C24 to C40) 240 J

Report Date: 03-Feb-2023 08:42:04 Chrom Revision: 2.3 28-Jan-2023 14:03:14
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230202-86931.b\0202b23_035.D
Injection Date: 03-Feb-2023 04:00:46 Instrument ID: TAC020
Lims ID: 580-122714-E-3-A Lab Sample ID: 580-122714-3
Client ID: RHMW02-WGN01B-2301WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 68
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) 430 J-

TPH-o SGC (C24 to C40) <310 UJ

Report Date: 08-Feb-2023 09:25:08

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230207-86982.b\0207a23A089.D

Injection Date: 08-Feb-2023 00:14:47

Instrument ID: TAC129_R

Lims ID: 580-122714-E-3-B

Lab Sample ID: 580-122714-3

Client ID: RHMW02-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 51

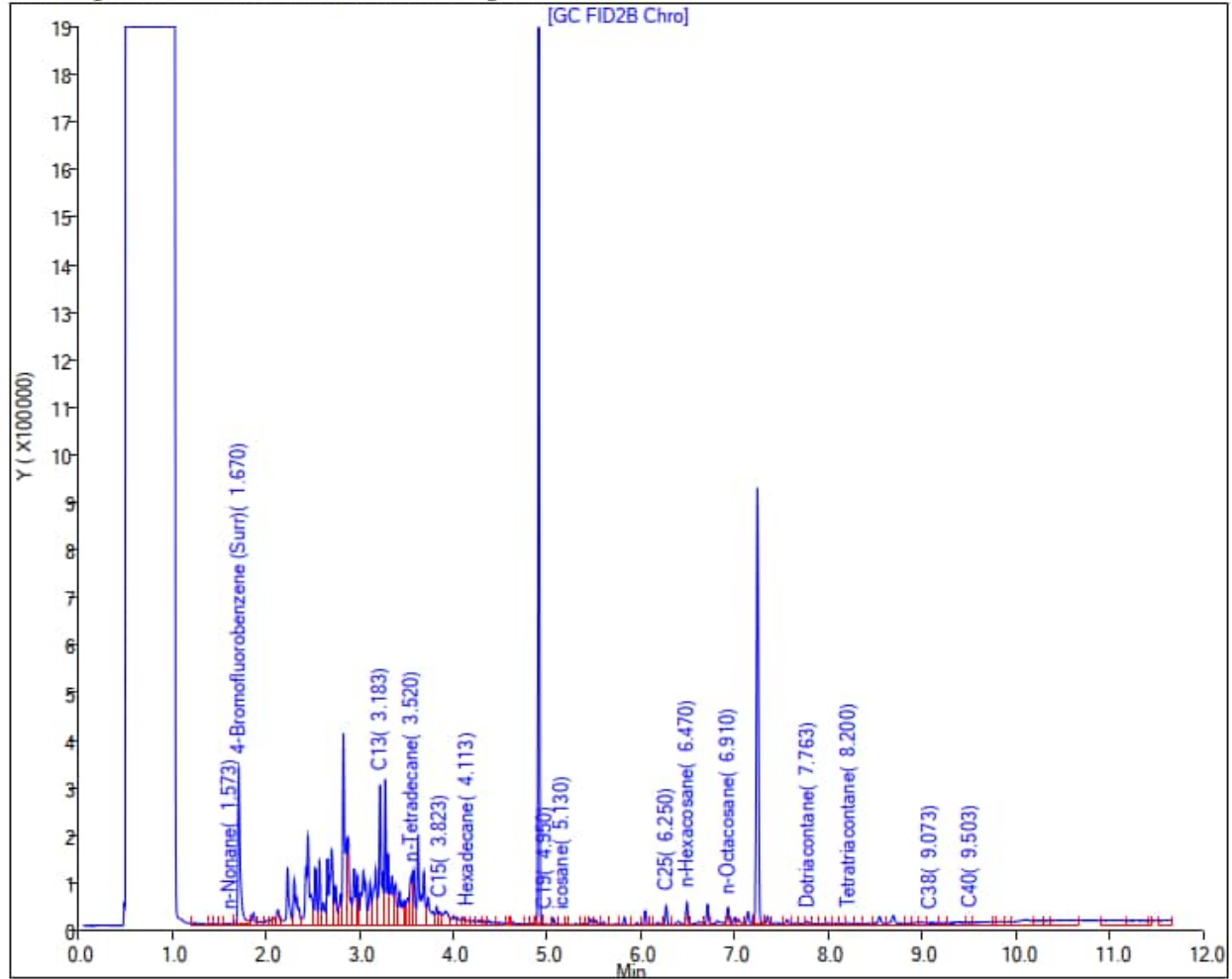
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN02B-2211WK2

Sample Date: 11/17/2022

Results (ug/L): TPH-d (C10 to C24) 500

TPH-o (C24 to C40) 680

Report Date: 23-Nov-2022 12:55:34

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Data File: \\chromfs\Seattle\ChromData\TAC129\20221122-85931.b\1122ab22A074.D

Injection Date: 23-Nov-2022 03:52:24 Instrument ID: TAC129

Lims ID: 580-120199-O-19-A Lab Sample ID: 580-120199-19

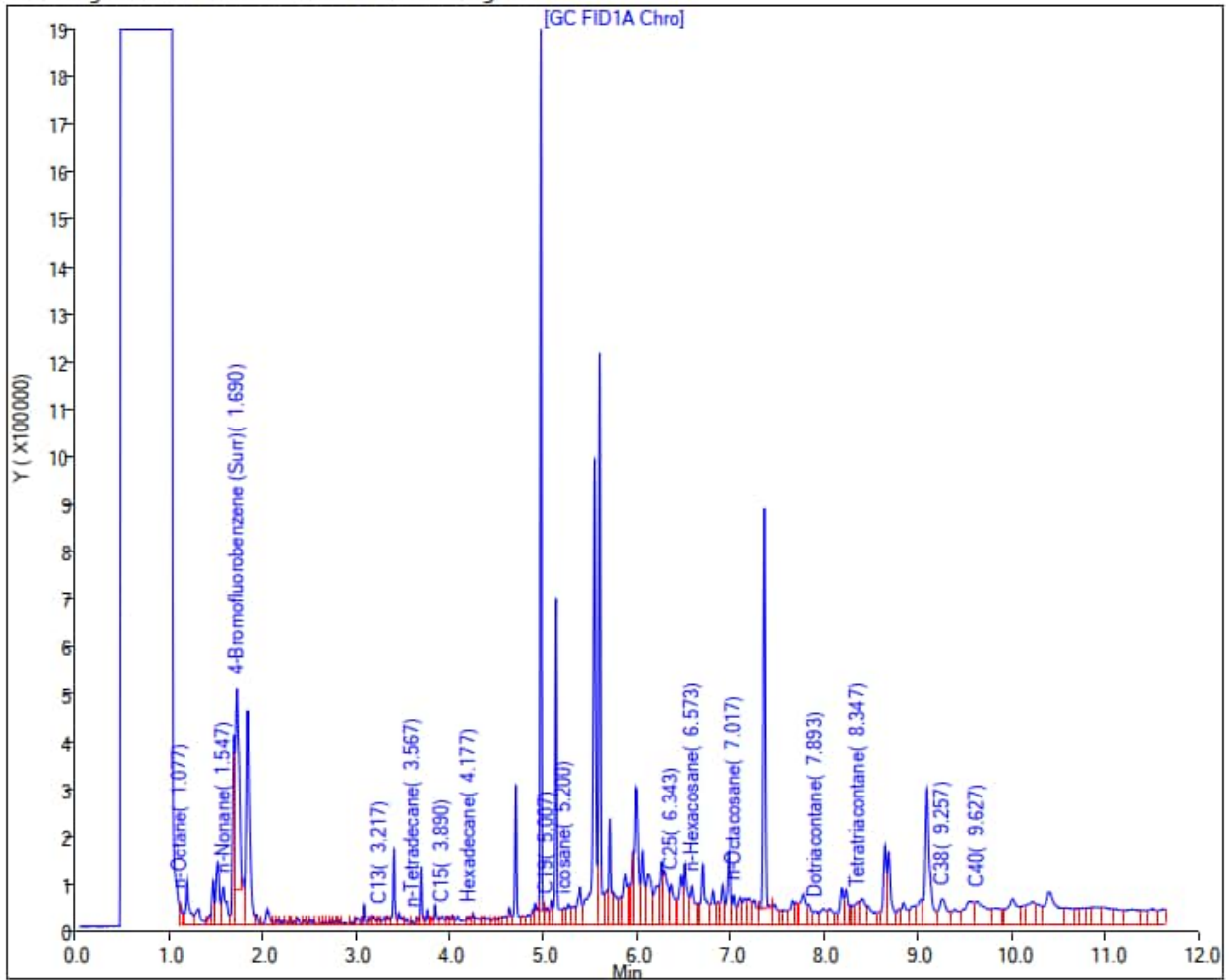
Client ID: RHMW03-WGN02B-2211WK2

Operator ID: DH ALS Bottle#: 0 Worklist Smp#: 62

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 100 J

TPH-o SGC (C24 to C40) 210 J

Report Date: 30-Nov-2022 14:22:18

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221129-86014.b\112922_017.D

Injection Date: 30-Nov-2022 00:04:30

Instrument ID: TAC020

Lims ID: 580-120199-O-19-B

Lab Sample ID: 580-120199-19

Client ID: RHMW03-WGN02B-2211WK2

Operator ID: DH

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

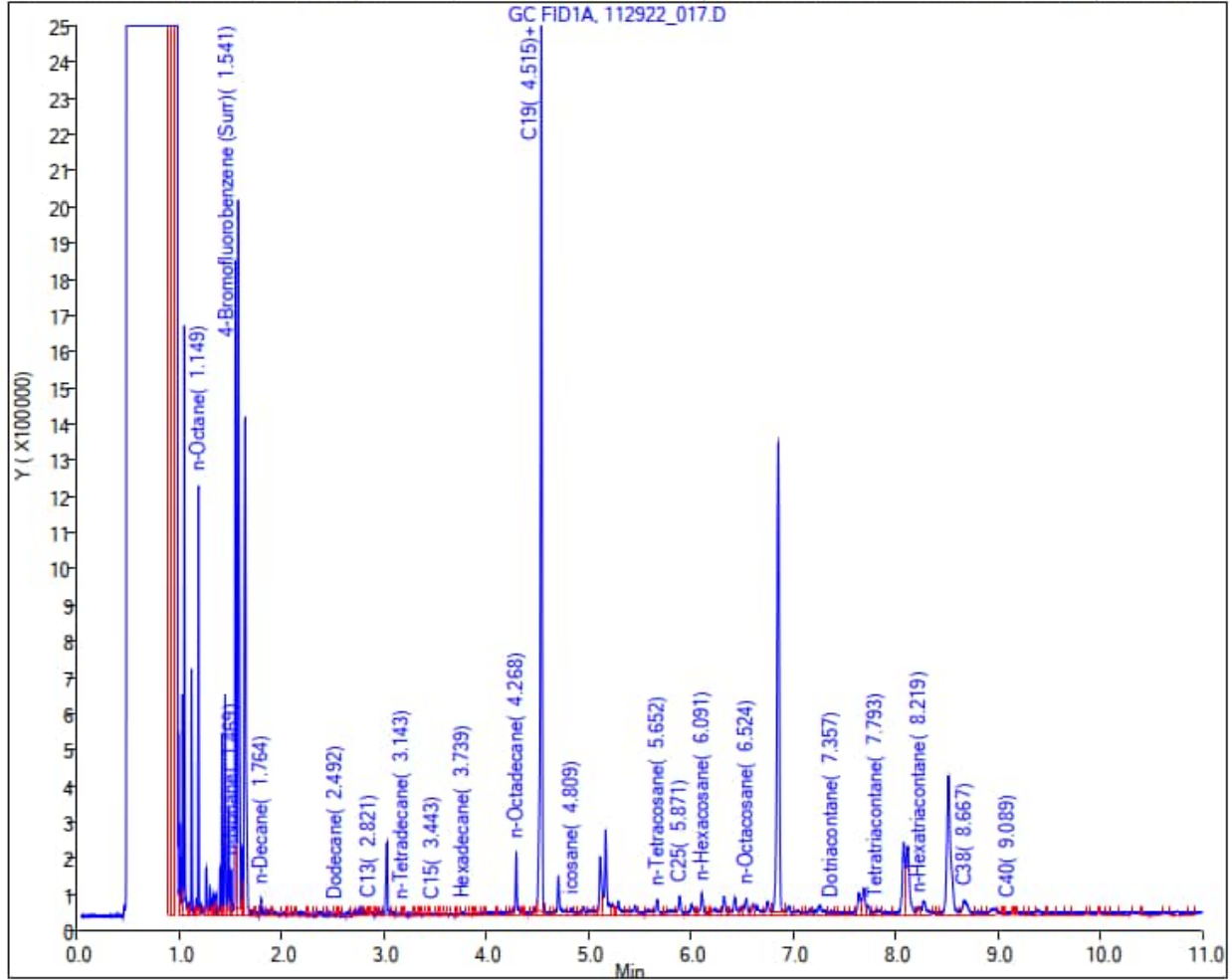
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2302WK4

Sample Date: 3/2/2023

Results (ug/L): TPH-d (C10 to C24) 88 J

TPH-o (C24 to C40) <310 U

Report Date: 10-Mar-2023 13:39:51

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87446.b\031023A012.D

Eurofins Seattle

Injection Date: 10-Mar-2023 13:22:19

Instrument ID: TAC129

Lims ID: 580-124259-W-6-A

Lab Sample ID: 580-124259-6

Client ID: RHMW06-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 41

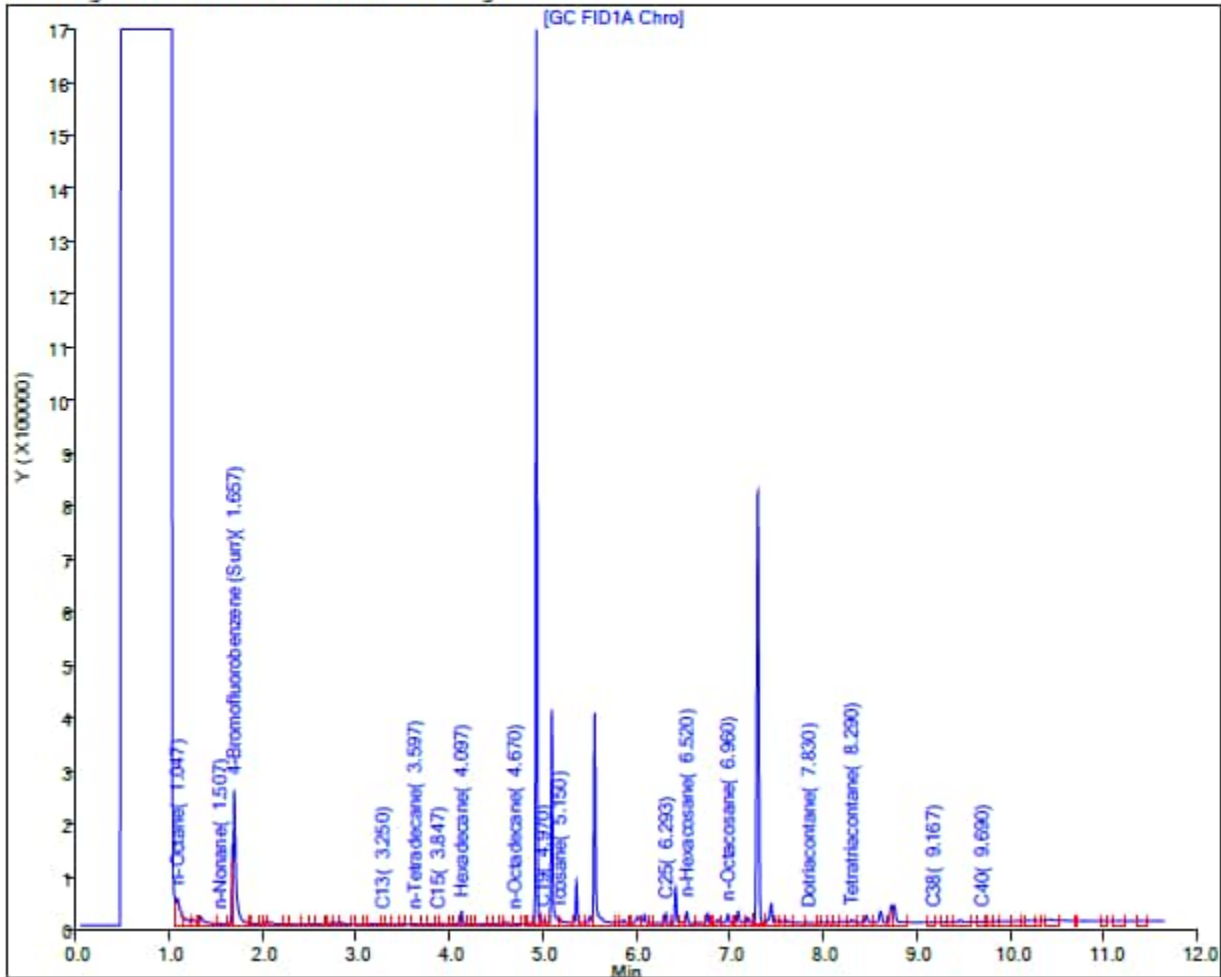
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 15-Mar-2023 12:41:52

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230315-87507.b\031523B020.D

Injection Date: 15-Mar-2023 12:10:04

Instrument ID: TAC129

Lims ID: 580-124259-W-6-B

Lab Sample ID: 580-124259-6

Client ID: RHMW06-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 57

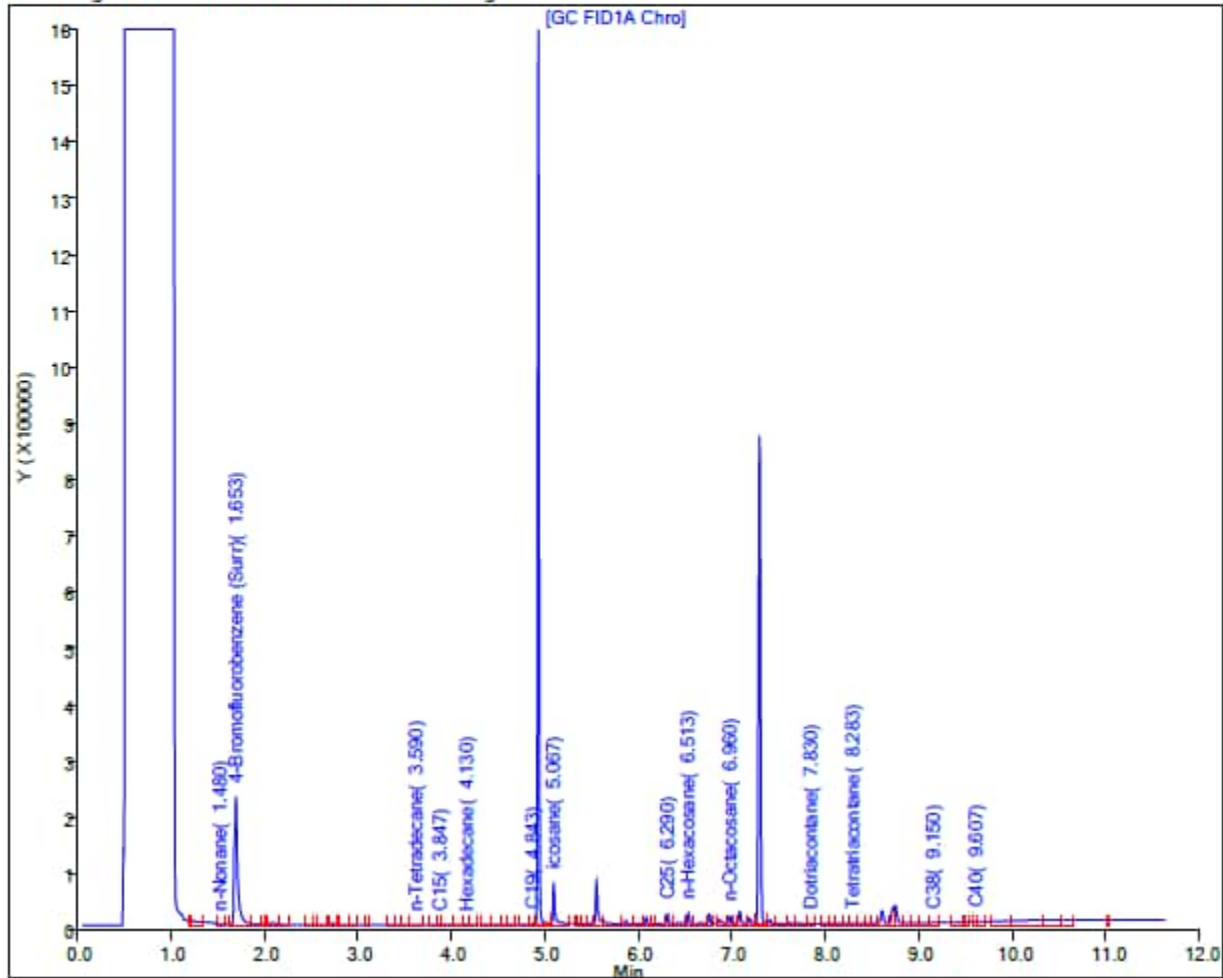
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW17 Sample ID: RHMW17-WGN01B-2302WK2 Sample Date: 2/16/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 120

TPH-o (C24 to C40) <320 U

Report Date: 23-Feb-2023 08:44:53

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 22-Feb-2023 23:14:38 Instrument ID: TAC129_R

Lims ID: 580-123713-O-6-A

Lab Sample ID: 580-123713-6

Client ID: RHMW17-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 15

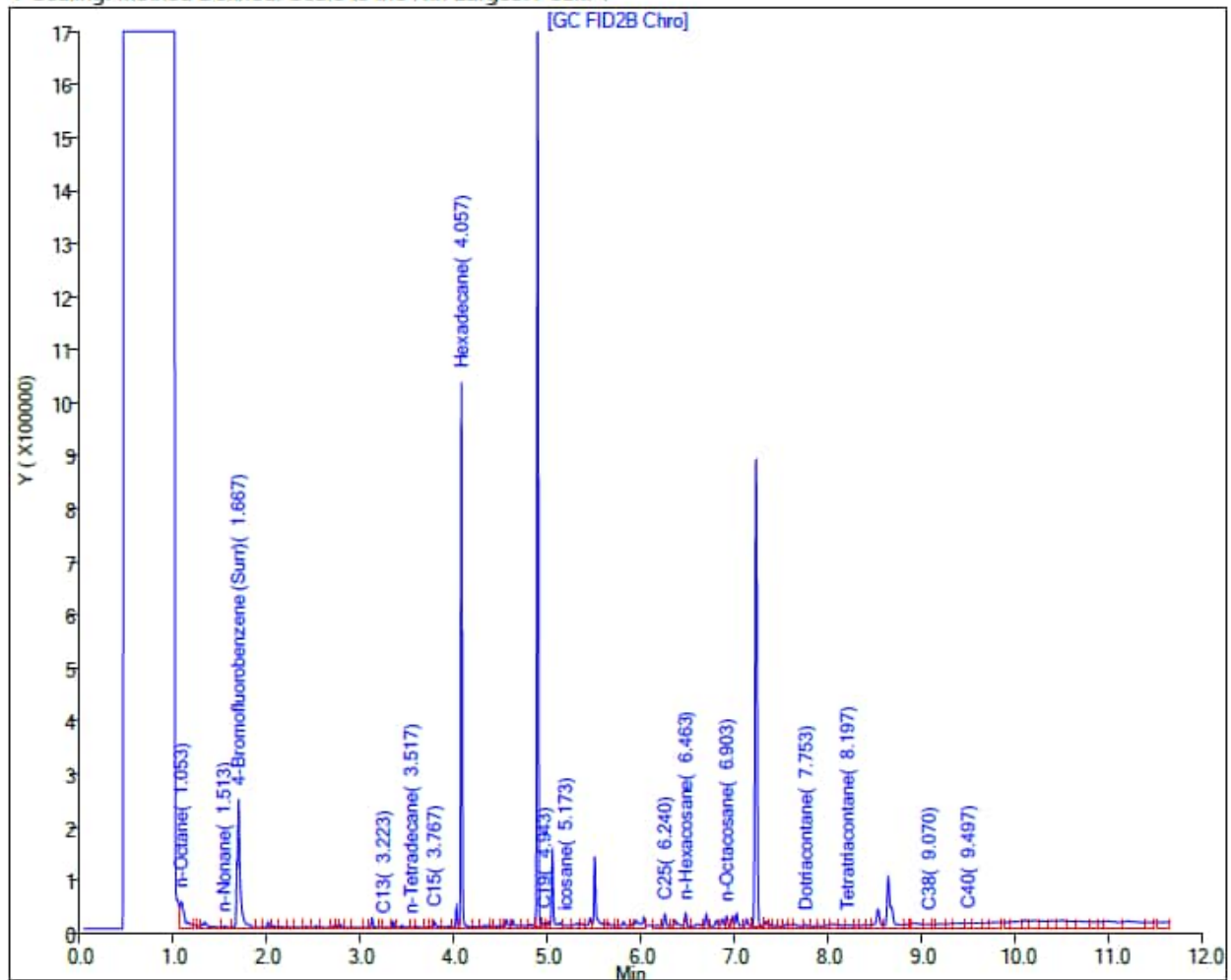
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <110 U

TPH-o SGC (C24 to C40) <320 U

Report Date: 02-Mar-2023 09:44:58

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230301-87303.b\030123_036.D

Injection Date: 02-Mar-2023 06:42:05

Instrument ID: TAC020

Lims ID: 580-123713-O-6-B

Lab Sample ID: 580-123713-6

Client ID: RHMW17-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 36

Injection Vol: 1.0 ul

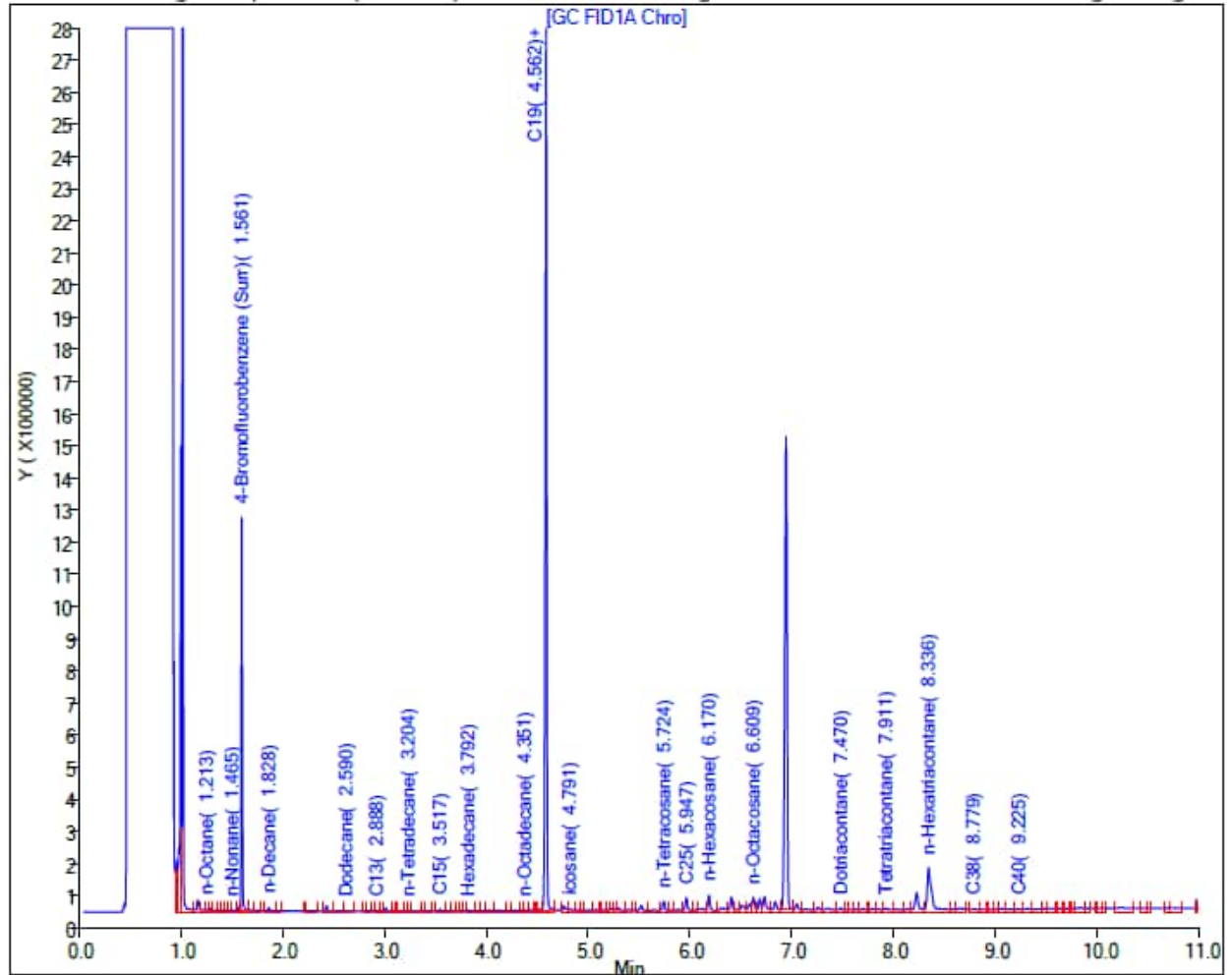
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Location: Sump Adit 3 Sample ID: ADIT3-SUMP-WGN01B-2302WK4 Sample Date: 3/1/2023

Lab: Eurofins Seattle

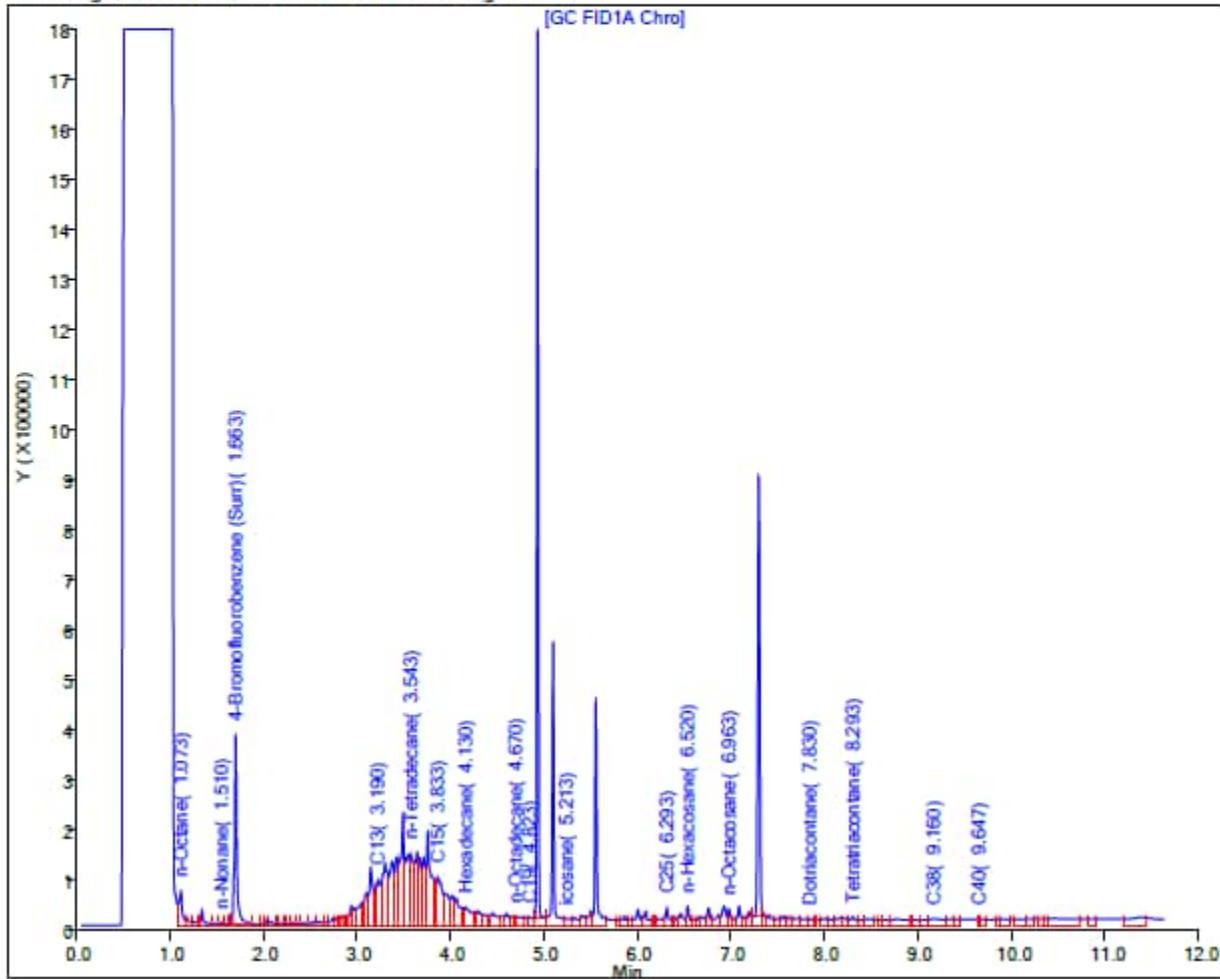
Results (ug/L): TPH-d (C10 to C24) 490

TPH-o (C24 to C40) <310 U

Report Date: 07-Mar-2023 11:56:18

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230306-87363.b\030623A052.D
Injection Date: 06-Mar-2023 20:15:09 Instrument ID: TAC129
Lims ID: 580-124172-N-1-A Lab Sample ID: 580-124172-1
Client ID: ADIT3-SUMP-WGN01B-2302WK4
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 320

TPH-o SGC (C24 to C40) <310 U

Report Date: 07-Mar-2023 17:41:13

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A048.D

Injection Date: 07-Mar-2023 17:05:42

Instrument ID: TAC129

Lims ID: 580-124172-N-1-B

Lab Sample ID: 580-124172-1

Client ID: ADIT3-SUMP-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 22

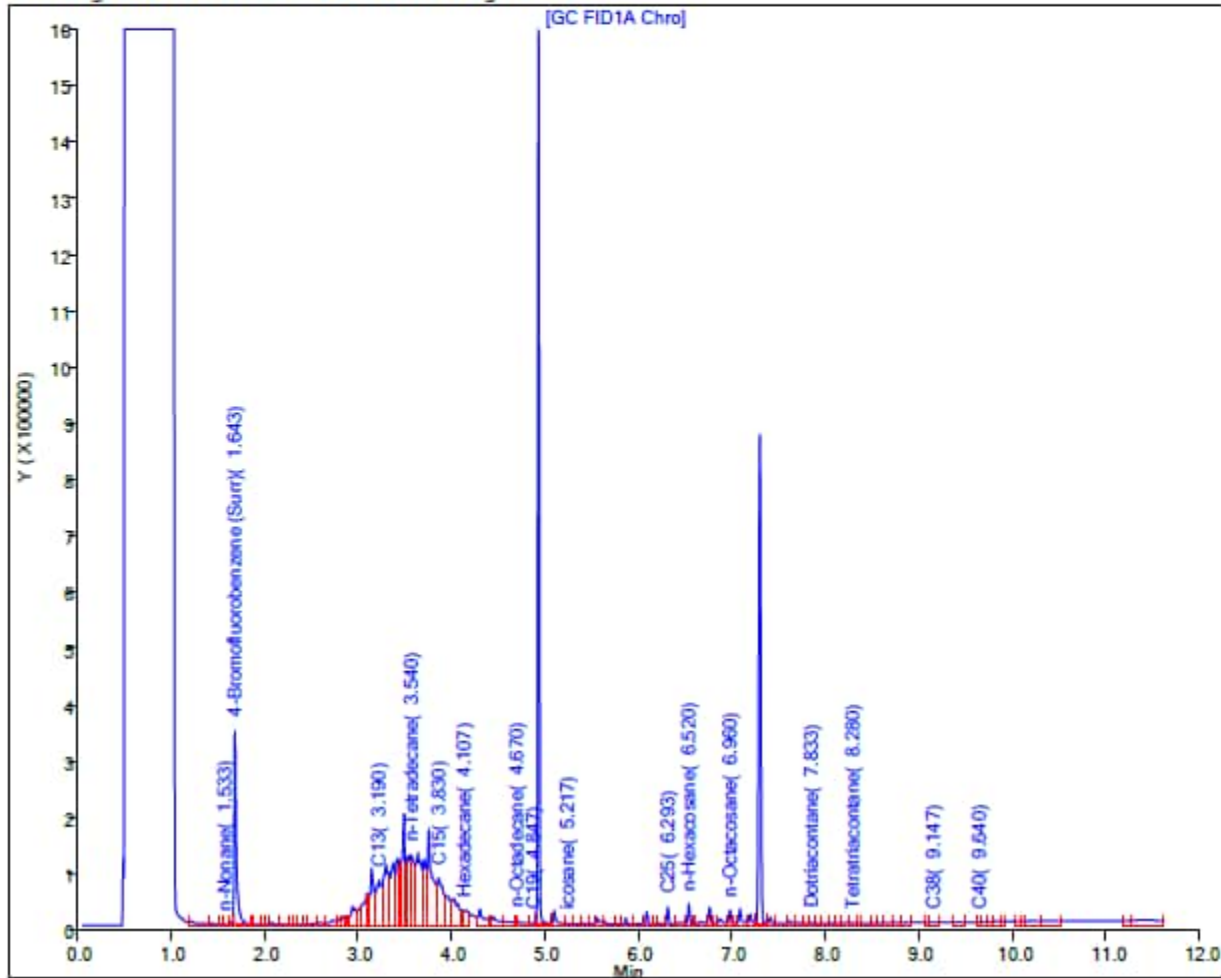
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN02B-2211WK1 Sample Date: 11/10/2022
Lab: Eurofins Seattle

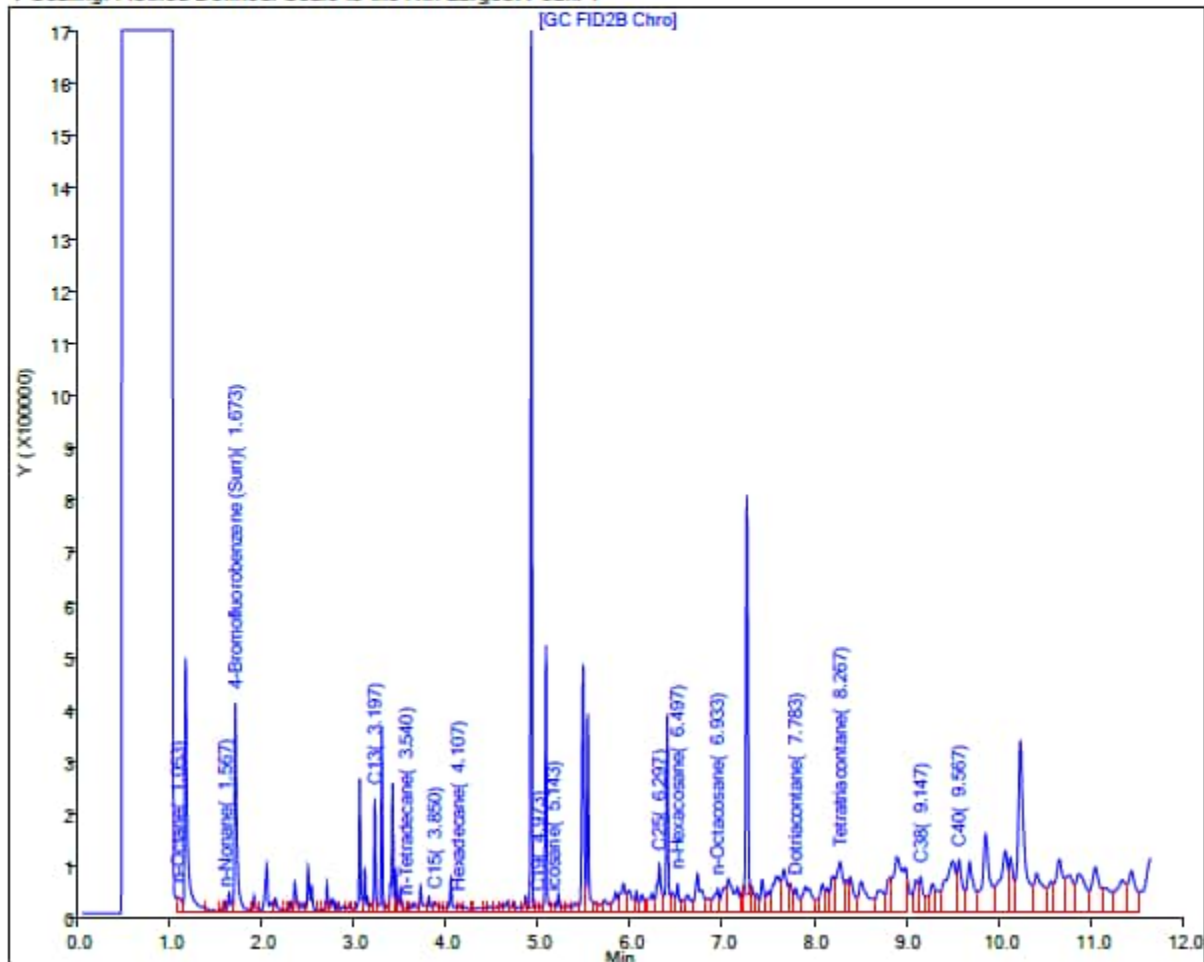
Results (ug/L): TPH-d (C10 to C24) 340

TPH-o (C24 to C40) 740

Report Date: 16-Dec-2022 20:08:50

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221215-86285.b\121622A035.D
Injection Date: 16-Dec-2022 15:55:05 Instrument ID: TAC129_R
Lims ID: 580-119967-O-5-A Lab Sample ID: 580-119967-5
Client ID: RHMW2254-01-WGN02B-2211WK1
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Rear Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 16-Dec-2022 20:09:05

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221215-86285.b\121622A045.D

Injection Date: 16-Dec-2022 17:28:42

Instrument ID: TAC129_R

Lims ID: 580-119967-O-5-C

Lab Sample ID: 580-119967-5

Client ID: RHMW2254-01-WGN02B-2211WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 23

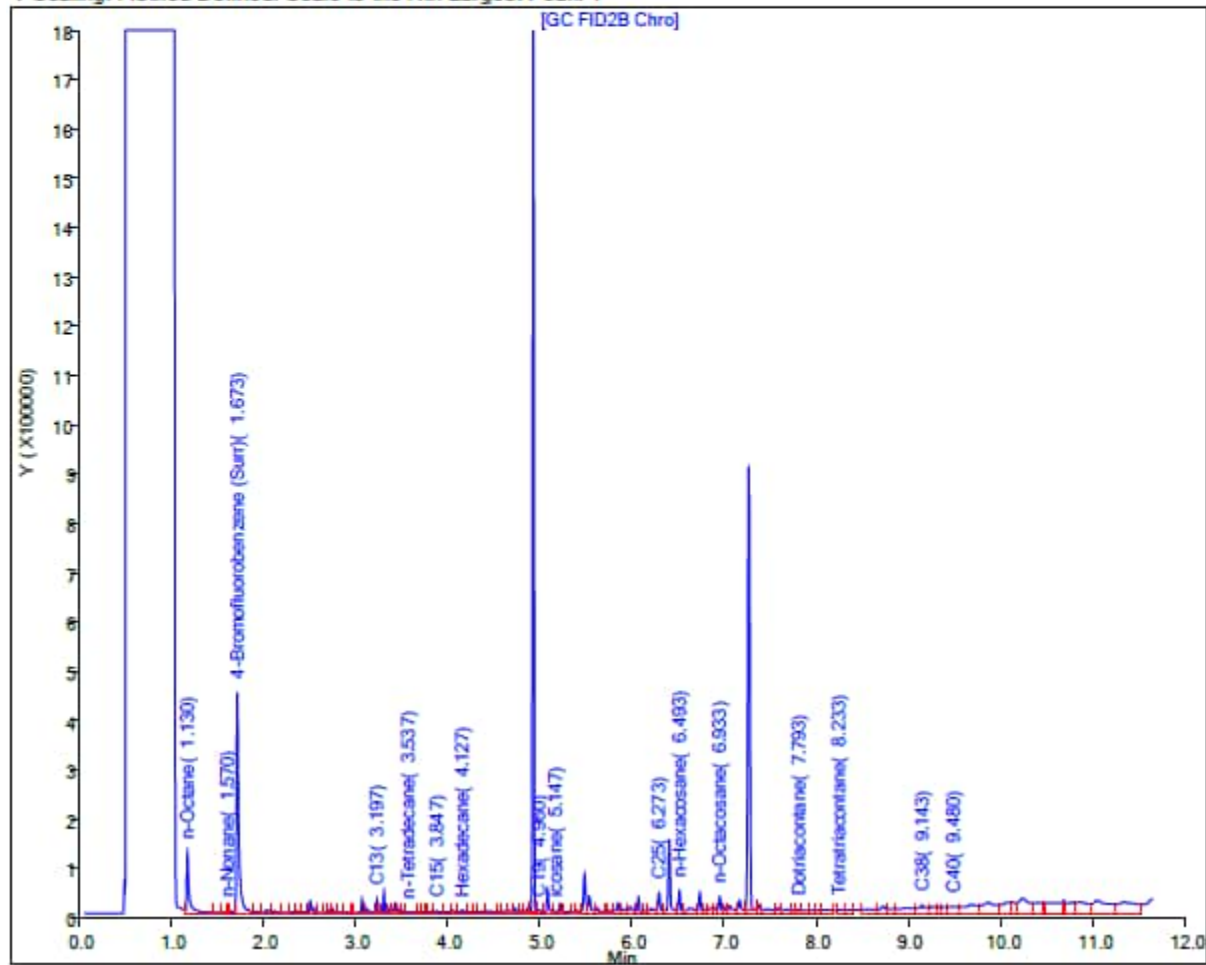
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

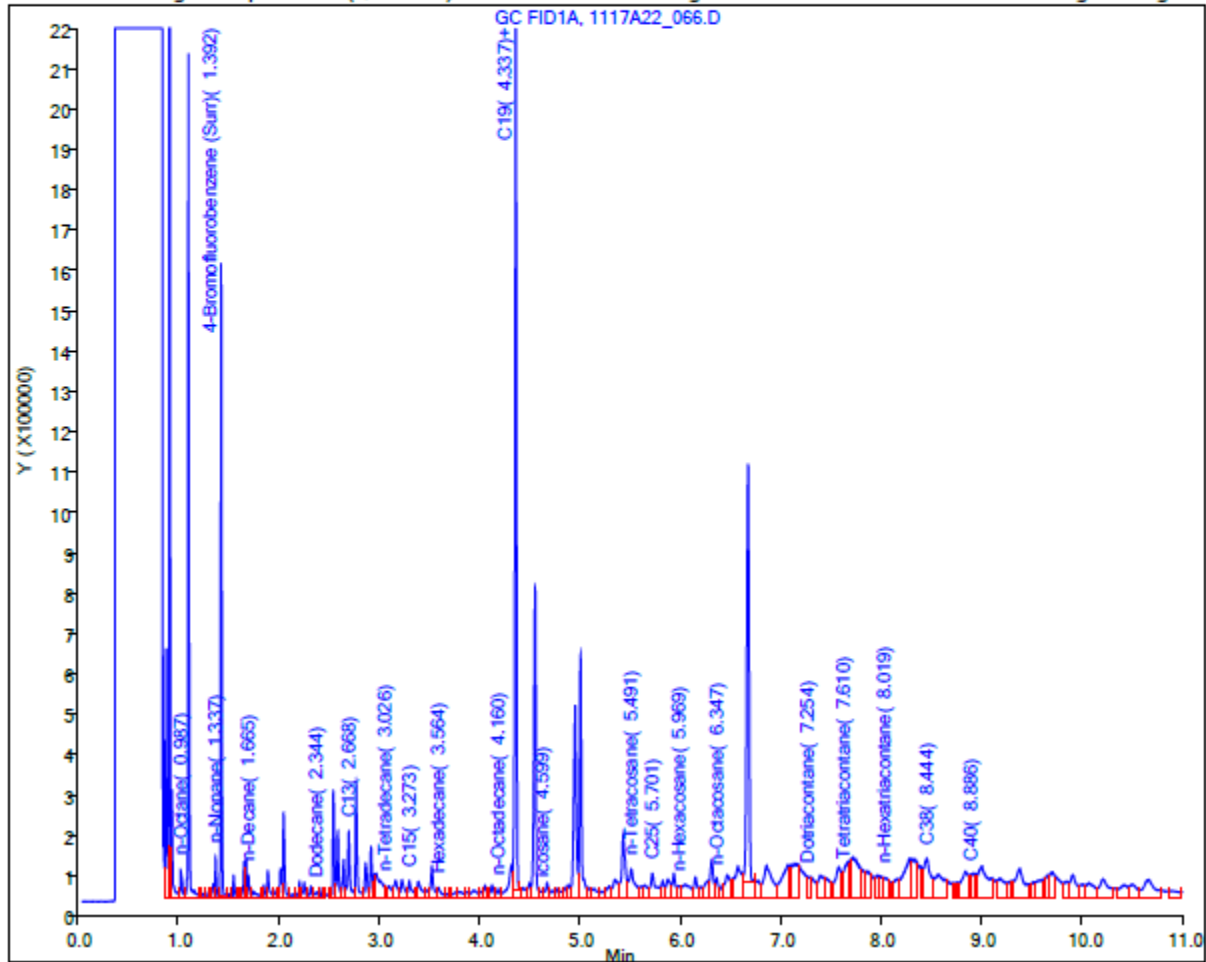
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Location: RHMW2254-01 Sample ID: RHMW2254-01-WGN01B-2211WK2 Sample Date: 11/15/2022
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 350 TPH-o (C24 to C40) 560
Report Date: 18-Nov-2022 20:36:07 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20221117-85861.b\1117A22_066.D
Injection Date: 18-Nov-2022 17:26:30 Instrument ID: TAC020
Lims ID: 580-120073-N-21-A Lab Sample ID: 580-120073-21
Client ID: RHMW2254-01-WGN01B-2211WK2
Operator ID: DH/CC ALS Bottle#: 65 Worklist Smp#: 68
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-Front_TAC020 Limit Group: 8015B-D DRO ICAL CA and HW ranges
Column: ZB-1 High Temp. Inferno (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Results (ug/L): TPH-d SGC (C10 to C24) 180
Report Date: 22-Nov-2022 15:06:35

TPH-o SGC (C24 to C40) <310 U

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_047.D

Injection Date: 22-Nov-2022 09:07:30

Instrument ID: TAC020

Lims ID: 580-120073-N-21-C

Lab Sample ID: 580-120073-21

Client ID: RHMW2254-01-WGN01B-2211WK2

Operator ID: DH

ALS Bottle#: 46

Worklist Smp#: 45

Injection Vol: 1.0 ul

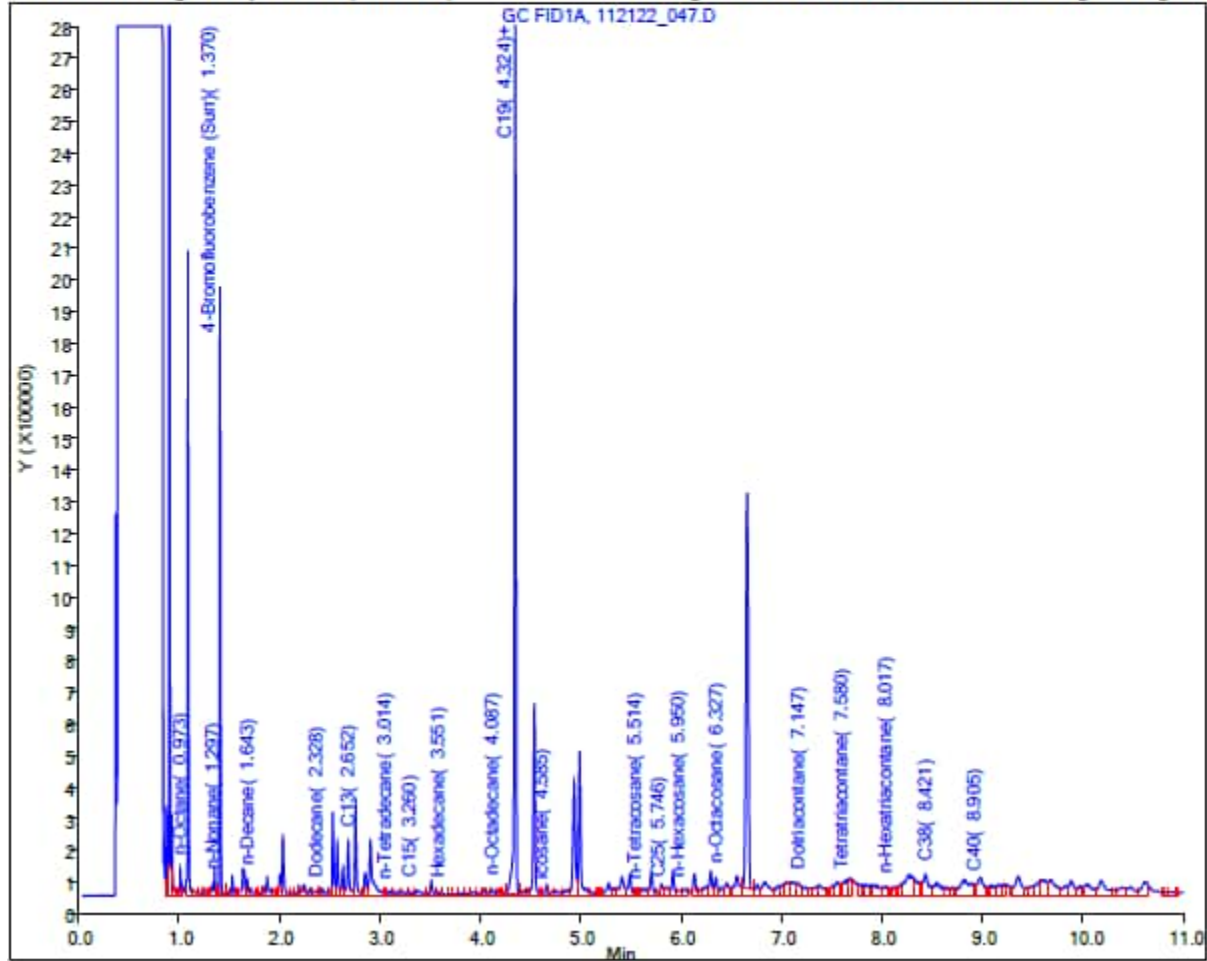
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-119865-1

Sample ID:

ADIT3-SUMP-WGN01B-2211WK1, RHMW01R-WGN01B-2211WK1, RHMW02-WGN01B-2211WK1,
RHMW03-WGN01B-2211WK1, RHMW05-WGN01B-2211WK1, RHMW17-WGN01B-2211WK1,
RHMW2254-01-WGN01B-2211WK1, RHMW2254-01-WGN01LF-2211WK1

Sample Date: 11/8/22

Lab: Eurofins Seattle

Report Date: 29-Nov-2022 13:25:18

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221128-85983.b\1128AA22A065.D

Injection Date: 29-Nov-2022 02:05:19

Instrument ID: TAC129_R

Lims ID: MB 580-411074/1-A

Client ID:

Operator ID: DH

ALS Bottle#:

0

Worklist Smp#: 32

Injection Vol: 1.0 ul

Dil. Factor:

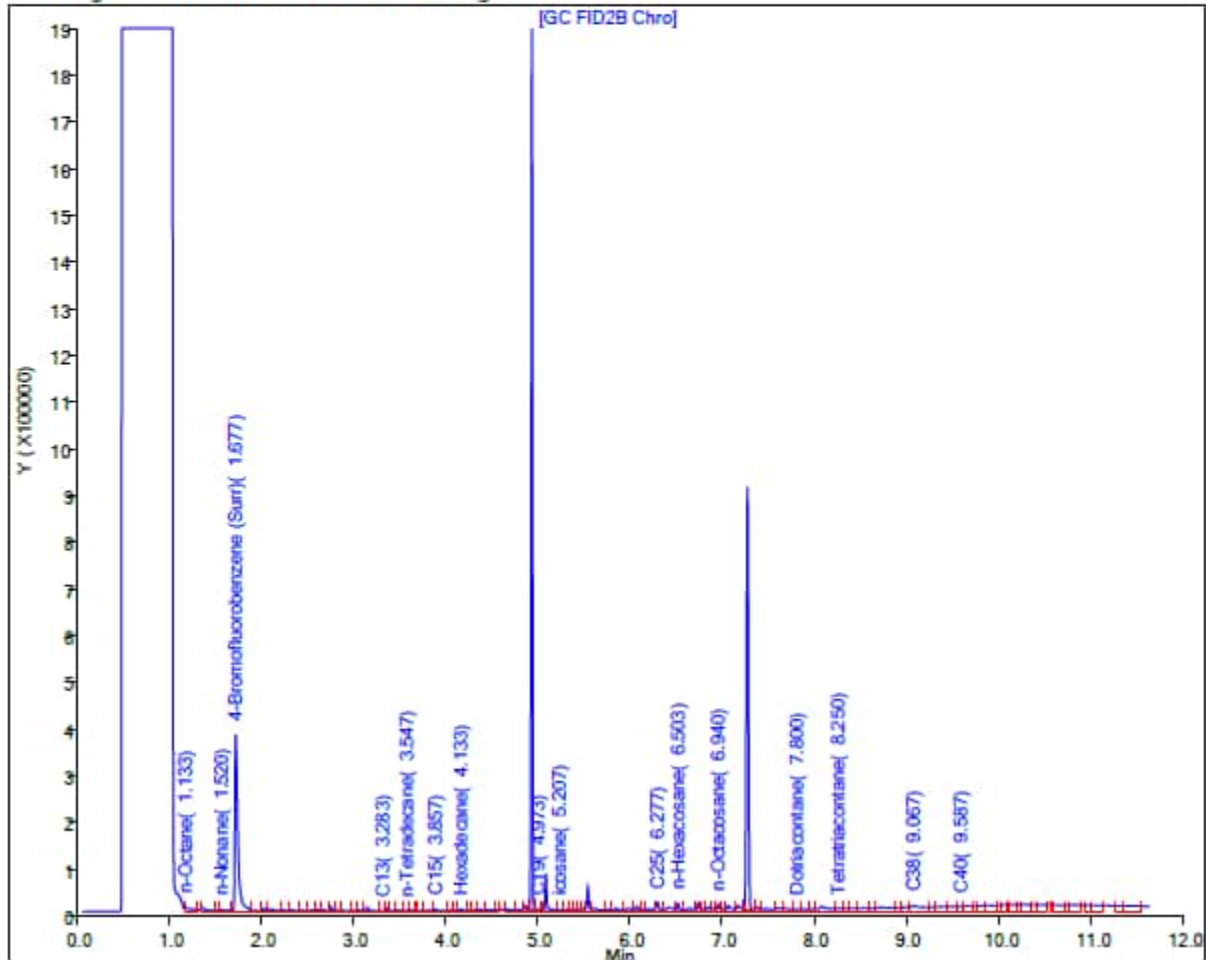
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-119908-1

Sample ID: OWDFMW07A-WGN01LF-2211WK1, RHMW06-WGN02B-2211WK1, RHMW08-WGN02B-2211WK1, RHMW11-05-WGN01G-2211WK1, RHMW14-03-WGN02G-2211WK1

Sample Date: 11/8/22, 11/9/22

Lab: Eurofins Seattle

Report Date: 15-Nov-2022 19:14:54

Chrom Revision: 2.3 08-Nov-2022 12:31:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221115-85802.b\1114aa22A007.D

Injection Date: 14-Nov-2022 23:38:37

Instrument ID: TAC129_R

Lims ID: MB 580-409847/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 4

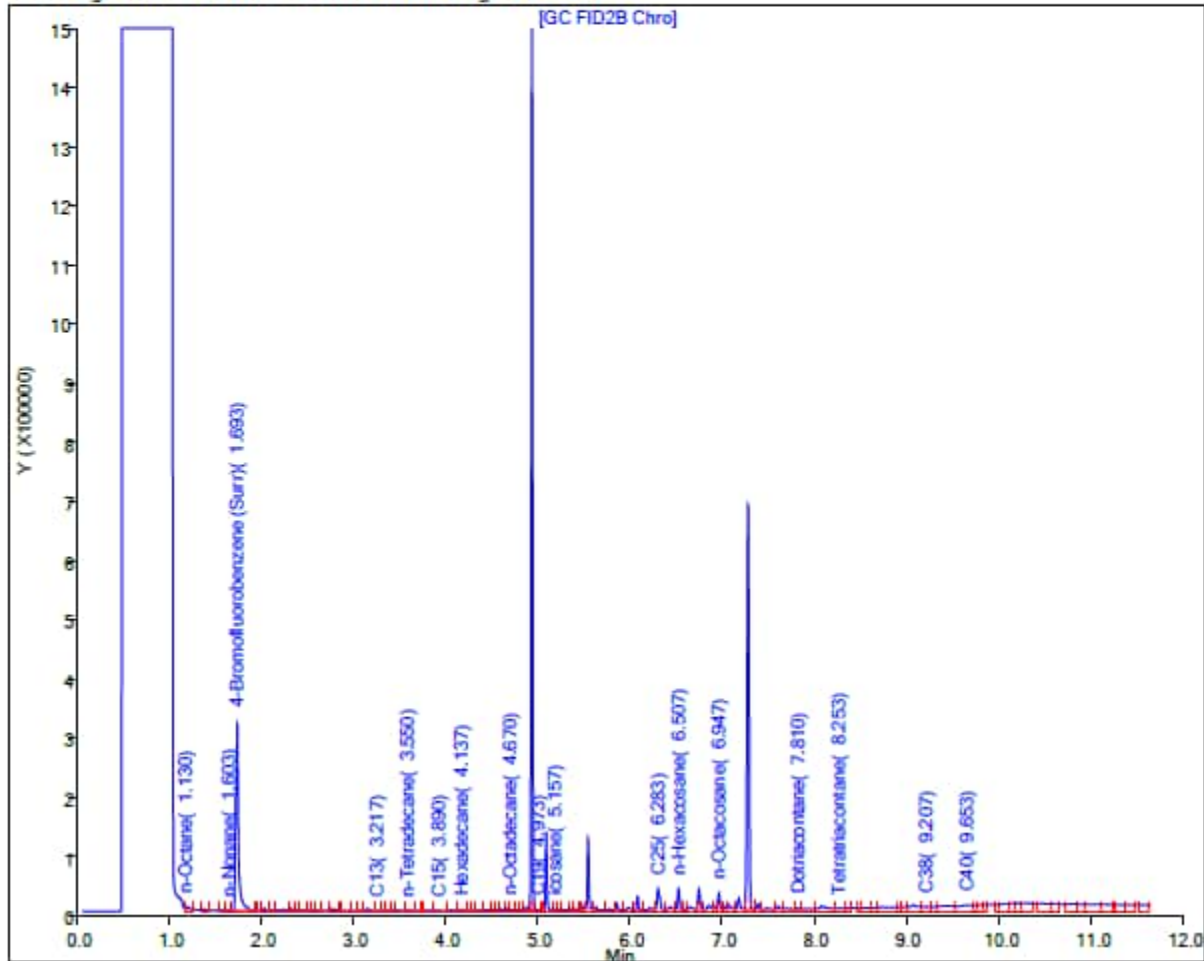
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-119958-1

Sample ID: OWDFMW01-WGN01LF-2211WK1, RHMW04-WGFD02B-2211WK1, RHMW04-WGN02B-2211WK1, RHMW09-WGN02B-2211WK1, RHMW19-WGN02B-2211WK1

Sample Date: 11/9/22

Lab: Eurofins Seattle

Report Date: 17-Nov-2022 11:54:35

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221116-85834.b\1116z22A007.D

Injection Date: 16-Nov-2022 23:03:04

Instrument ID: TAC129_R

Lims ID: MB 580-410141/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 33

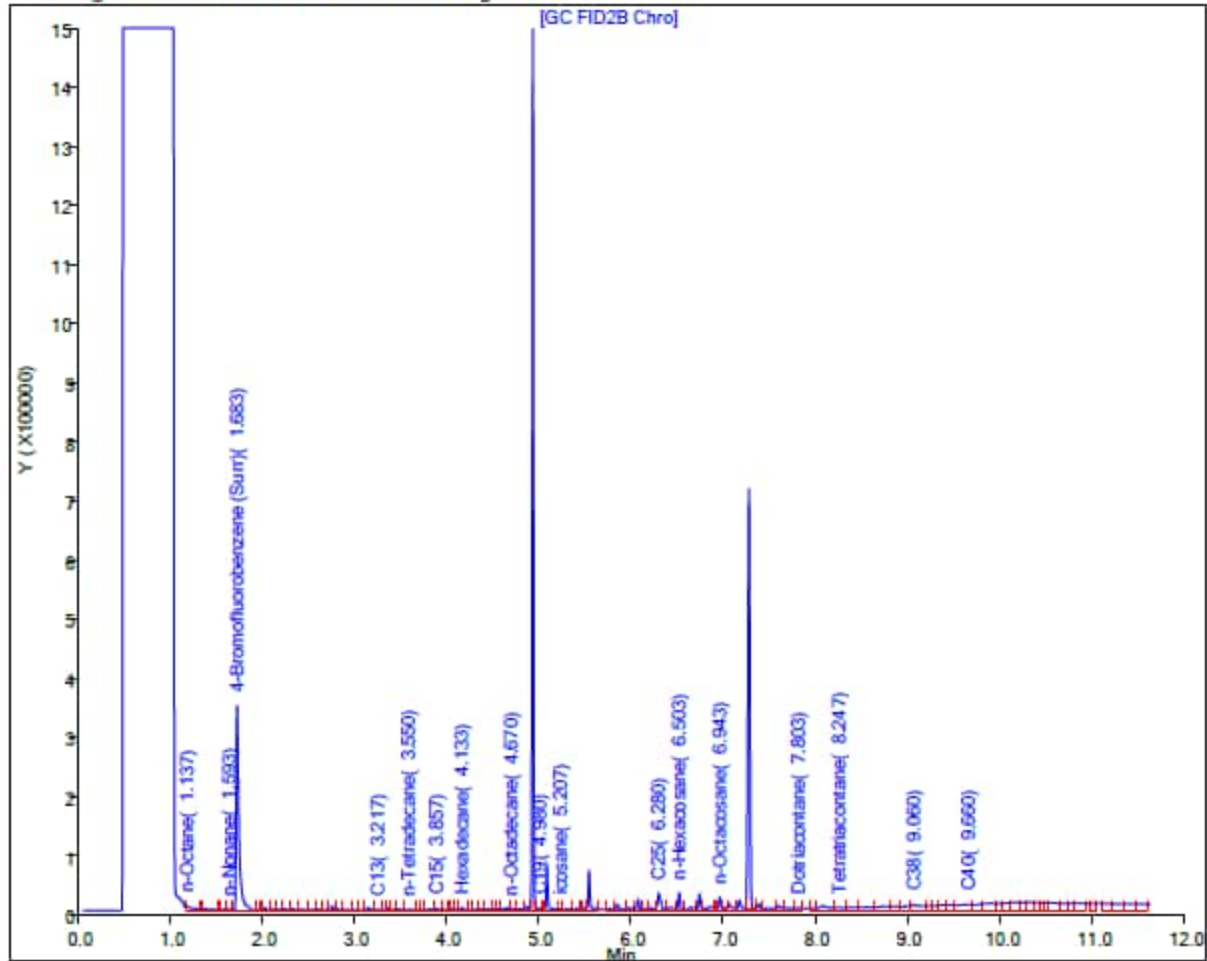
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-119967-1

Sample ID: ADIT3-SUMP-WGN02B-2211WK1, RHMW16-WGN02LF-2211WK1, RHMW17-WGN02B-2211WK1, RHMW2254-01-WGN02B-2211WK1

Sample Date: 11/10/22

Lab: Eurofins Seattle

Report Date: 17-Nov-2022 18:55:37

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221117-85851.b\111722A008.D

Injection Date: 17-Nov-2022 16:24:40

Instrument ID: TAC129

Lims ID: MB 580-410139/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 26

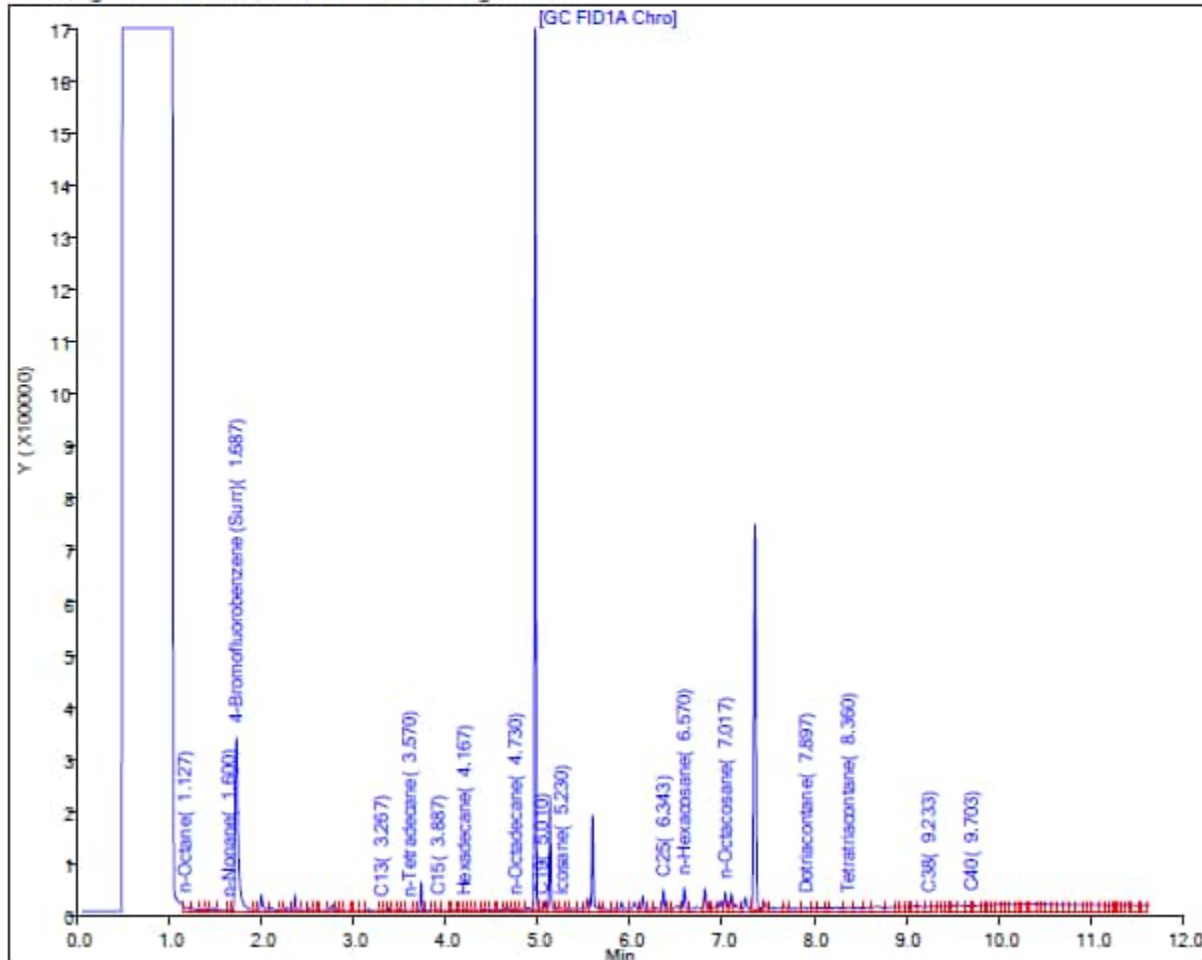
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-119993-1

Sample ID: RHMW01R-WGN02B-2211WK1, RHMW02-WGN02B-2211WK1, RHMW03-WGN02B-2211WK1, RHMW05-WGN02B-2211WK1, RHMW12A-WGN02LF-2211WK1, RHMW15-05-WGN02G-2211WK1, RHMW2254-01-WGN02LF-2211WK1

Sample Date: 11/10/22

Lab: Eurofins Seattle

Report Date: 17-Nov-2022 18:55:37

Chrom Revision: 2.3 16-Nov-2022 21:12:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221117-85851.b\111722A008.D

Injection Date: 17-Nov-2022 16:24:40

Instrument ID: TAC129

Lims ID: MB 580-410139/1-A

Client ID:

Operator ID: DH

ALS Bottle#:

0

Worklist Smp#: 26

Injection Vol: 1.0 ul

Dil. Factor:

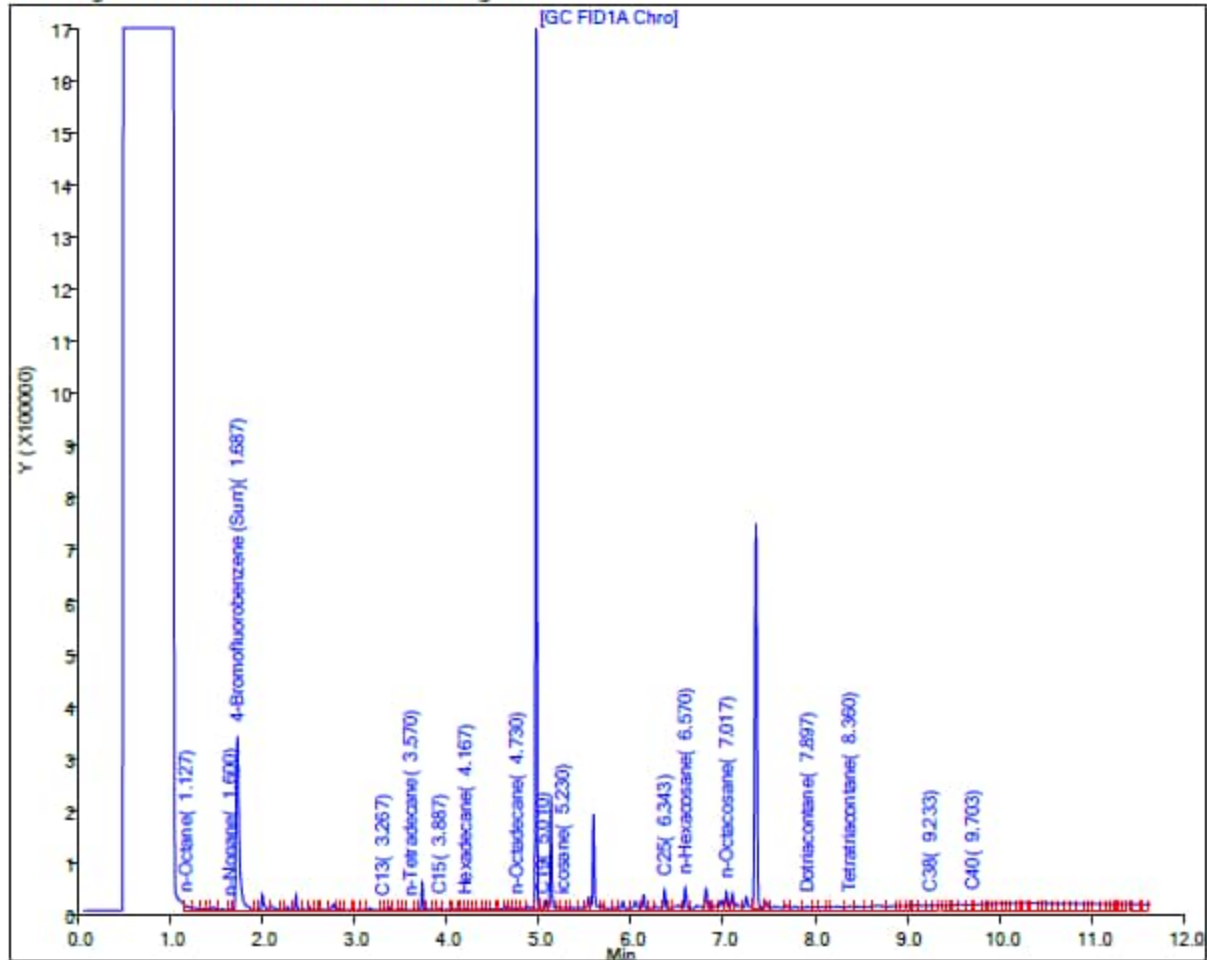
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-120073-1

Sample ID: ADIT3-SUMP-WGN01B-2211WK2, RHMW12A-WGN01LF-2211WK2, RHMW14-03-WGN01G-2211WK2, RHMW15-05-WGN01G-2211WK2, RHMW16-WGN01LF-2211WK2, RHMW17-WGN01B-2211WK2, RHMW2254-01-WGN01B-2211WK2, RHMW2254-01-WGN01LF-2211WK2

Sample Date: 11/15/22

Lab: Eurofins Seattle

Report Date: 13-Dec-2022 13:22:27

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221213-86232_b\1212AA22A007.D

Injection Date: 12-Dec-2022 20:07:36

Instrument ID: TAC129_R

Lims ID: MB 580-412577/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 4

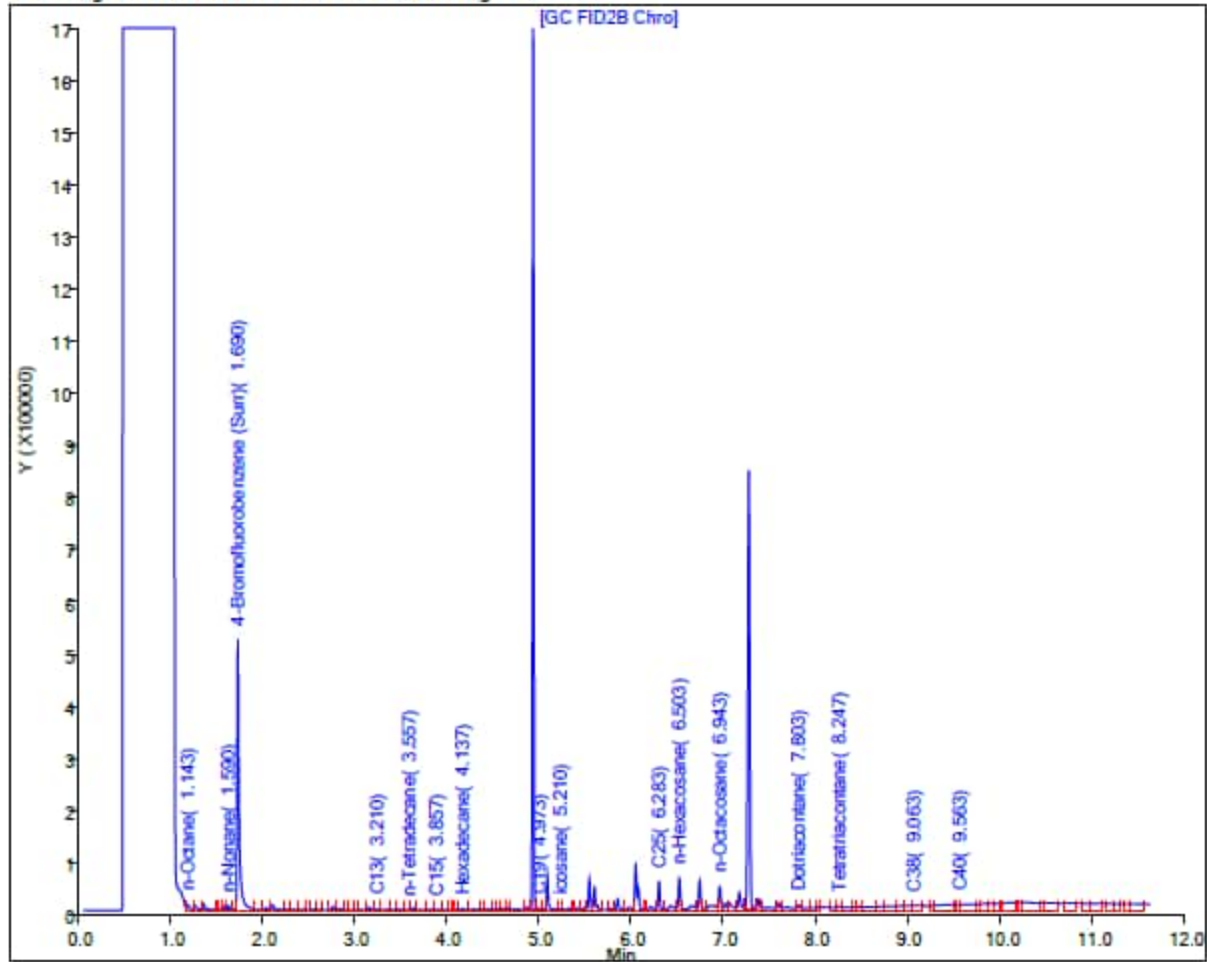
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-120140-1

Sample ID: OWDFMW01-WGN01LF-2211WK2, RHMW06-WGN02B-2211WK2, RHMW09-WGN02B-2211WK2, RHMW11-05-WGN01G-2211WK2, RHMW13-05-WGN02G-2211WK2, RHMW19-WGN02B-2211WK2

Sample Date: 11/16/22

Lab: Eurofins Seattle

Report Date: 22-Nov-2022 13:02:23

Chrom Revision: 2.3 21-Nov-2022 18:34:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221121-85904.b\112122_005.D

Injection Date: 21-Nov-2022 19:00:30

Instrument ID: TAC020

Lims ID: MB 580-410604/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul

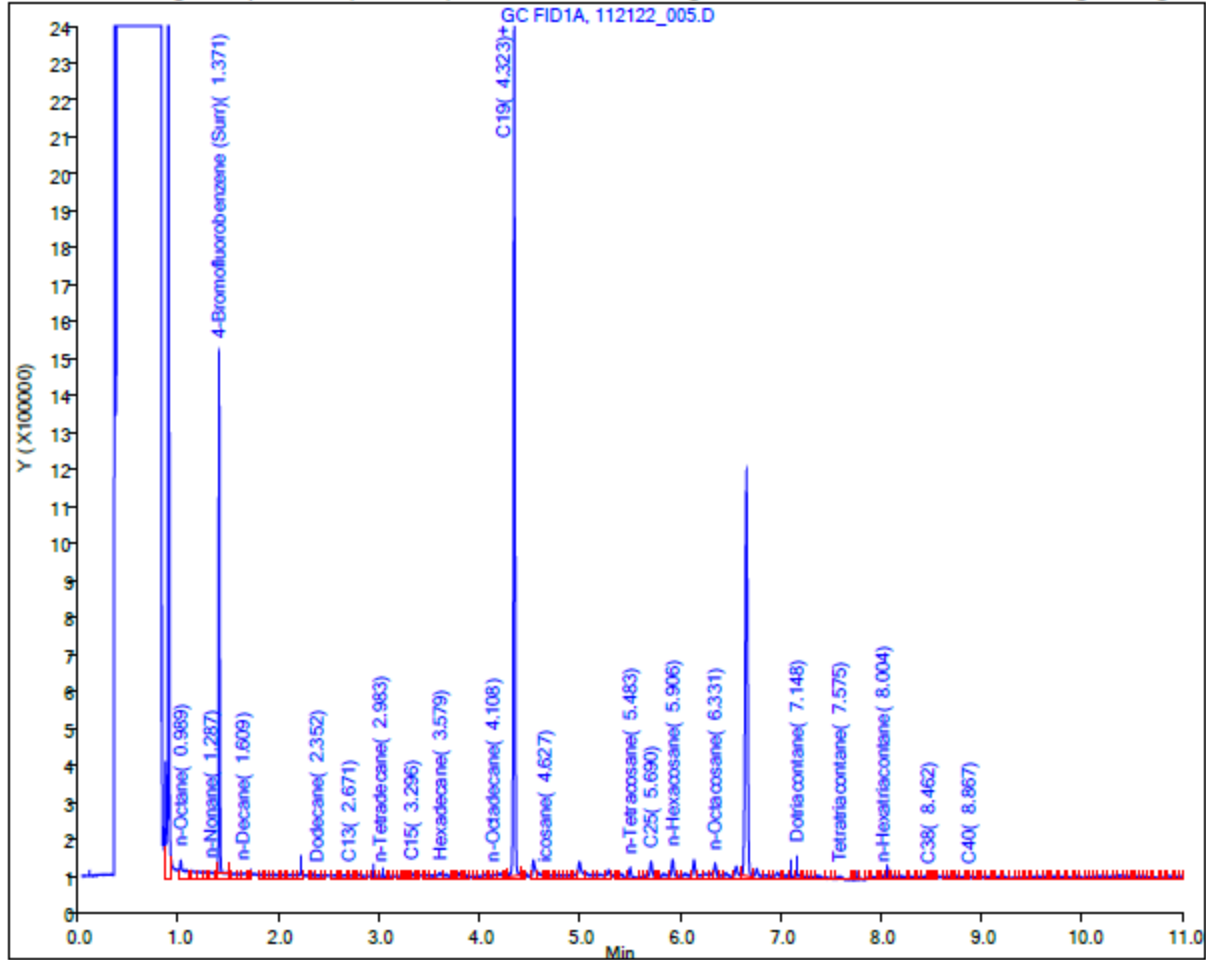
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-120327-1

Sample ID: RHMW12A-WGN01LF-2211WK3, OWDFMW08A-WGFD01LF-2211WK3, OWDFMW08A-WGN01LF-2211WK3, RHMW05-WGN01B-2211WK3, RHMW17-WGN01B-2211WK3, RHMW2254-01-WGN01B-2211WK3

Sample Date: 11/19/23, 11/20/23

Lab: Eurofins Seattle

Report Date: 29-Nov-2022 12:58:15

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221128-85982.b\1128AA22A008.D

Injection Date: 28-Nov-2022 17:06:50

Instrument ID: TAC129

Lims ID: MB 580-410927/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 4

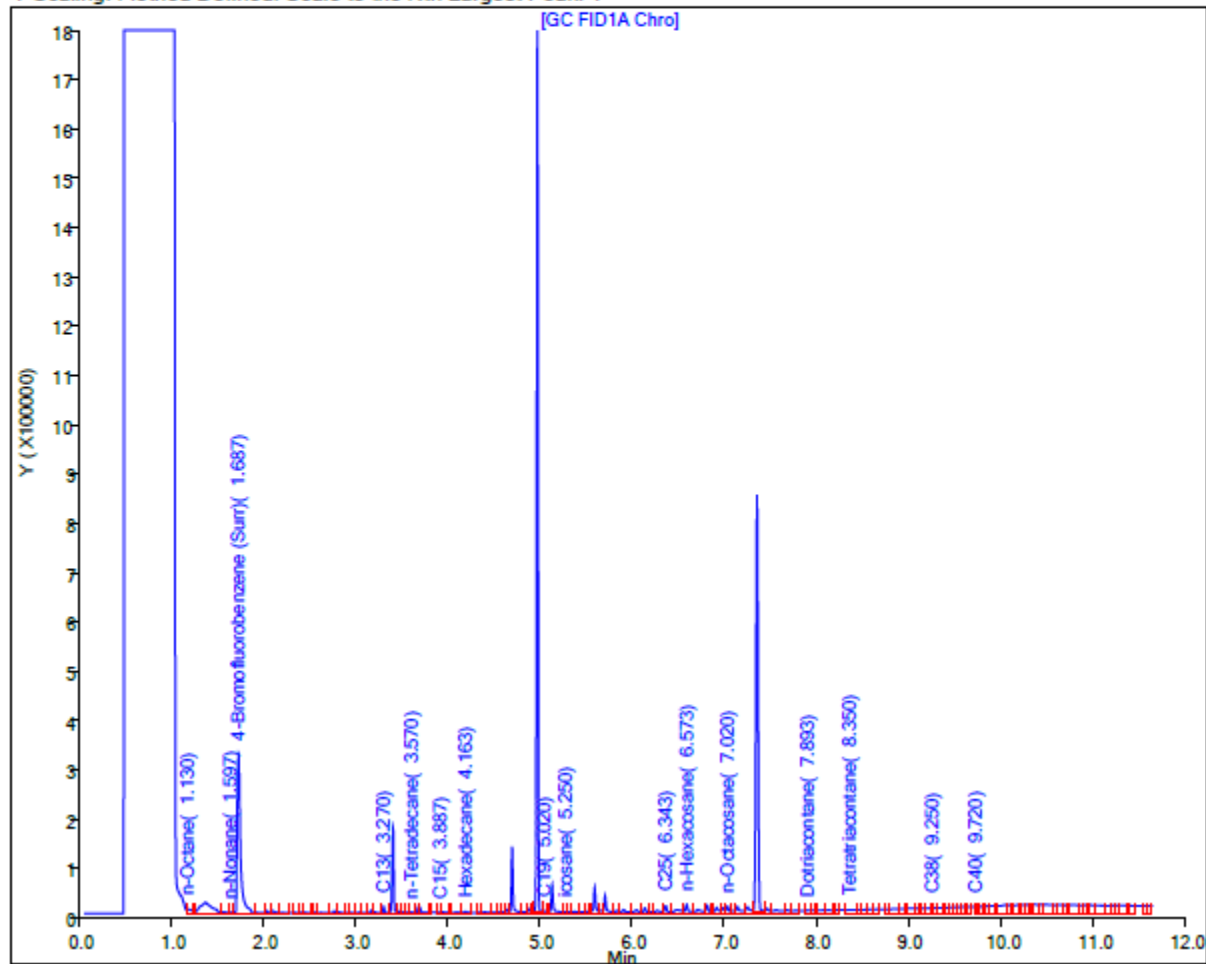
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-120354-1

Sample ID: OWDFMW08A-WGFD02LF-2211WK2, OWDFMW08A-WGN02LF-2211WK2

Sample Date: 11/18/22

Lab: Eurofins Seattle

Report Date: 29-Nov-2022 12:58:15

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221128-85982.b\1128AA22A008.D

Injection Date: 28-Nov-2022 17:06:50

Instrument ID: TAC129

Lims ID: MB 580-410927/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 4

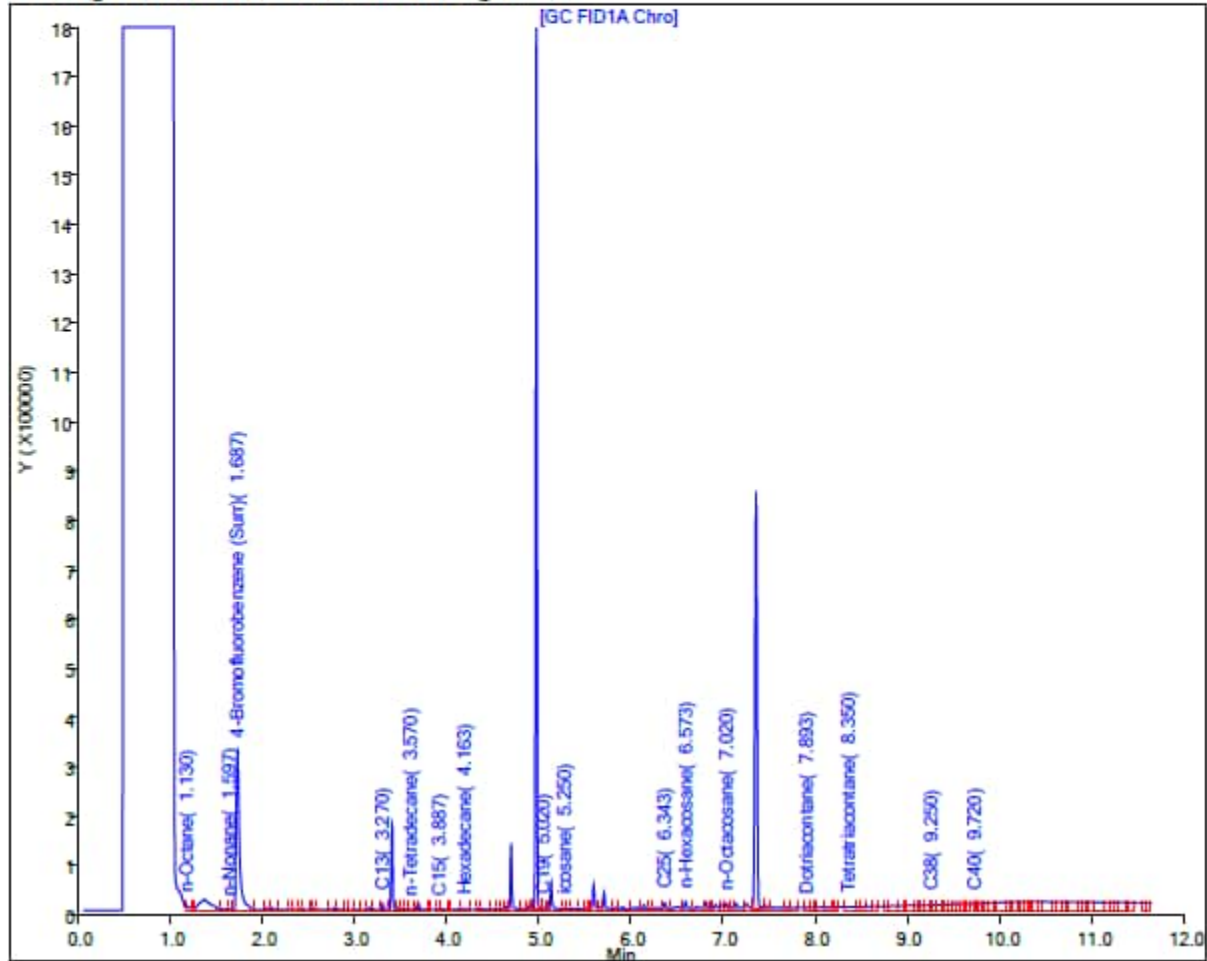
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-120199-1

Sample ID: ADIT3-SUMP-WGN02B-2211WK2, RHMW01R-WGN02B-2211WK2, RHMW02-WGN02B-2211WK2, RHMW03-WGN02B-2211WK2, RHMW05-WGN02B-2211WK2, RHMW12A-WGN02LF-2211WK2, RHMW14-03-WGN02G-2211WK2, RHMW16-WGN02LF-2211WK2, RHMW2254-01-WGN02B-2211WK2, RHMW2254-01-WGN02LF-2211WK2

Sample Date: 11/17/22

Lab: Eurofins Seattle

Report Date: 23-Nov-2022 12:53:44

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221122-85931.b\1122ab22A030.D

Injection Date: 22-Nov-2022 21:03:56

Instrument ID: TAC129

Lims ID: MB 580-410756/1-A

Client ID:

Operator ID: DH

ALS Bottle#:

0

Worklist Smp#: 40

Injection Vol: 1.0 ul

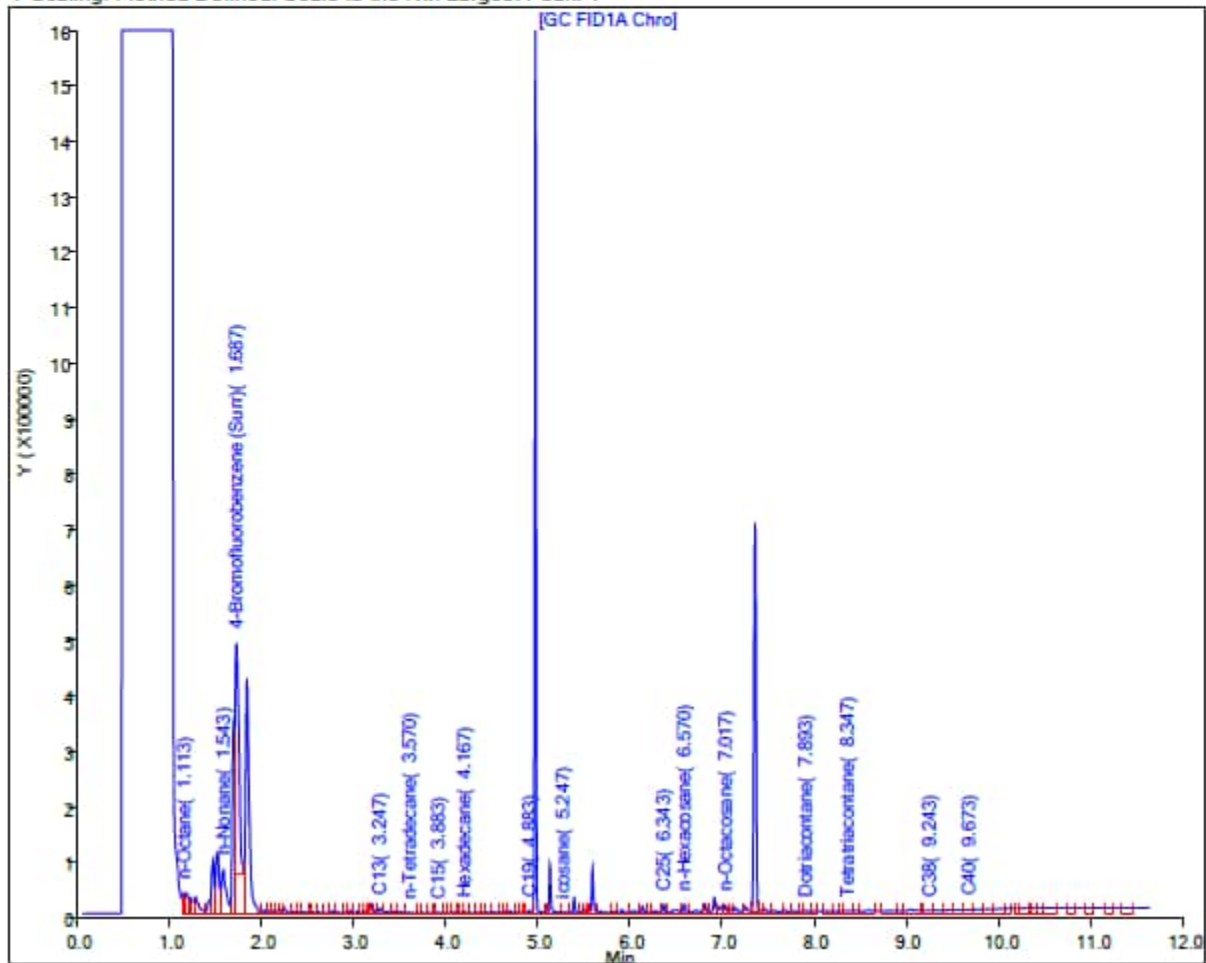
Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-120304-1

Sample ID: RHMW09-WGN01B-2211WK3, RHMW13-05-WGN01G-2211WK3, RHMW01R-WGN01B-2211WK3, RHMW02-WGN01B-2211WK3, RHMW03-WGN01B-2211WK3, RHMW15-05-WGN01G-2211WK3, RHMW2254-01-WGN01LF-2211WK3

Sample Date: 11/19/22, 11/20/22

Lab: Eurofins Seattle

Report Date: 29-Nov-2022 13:23:26

Chrom Revision: 2.3 22-Nov-2022 16:59:54

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221128-85983.b\1128AA22A007.D

Injection Date: 28-Nov-2022 17:06:50

Instrument ID: TAC129_R

Lims ID: MB 580-410898/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 4

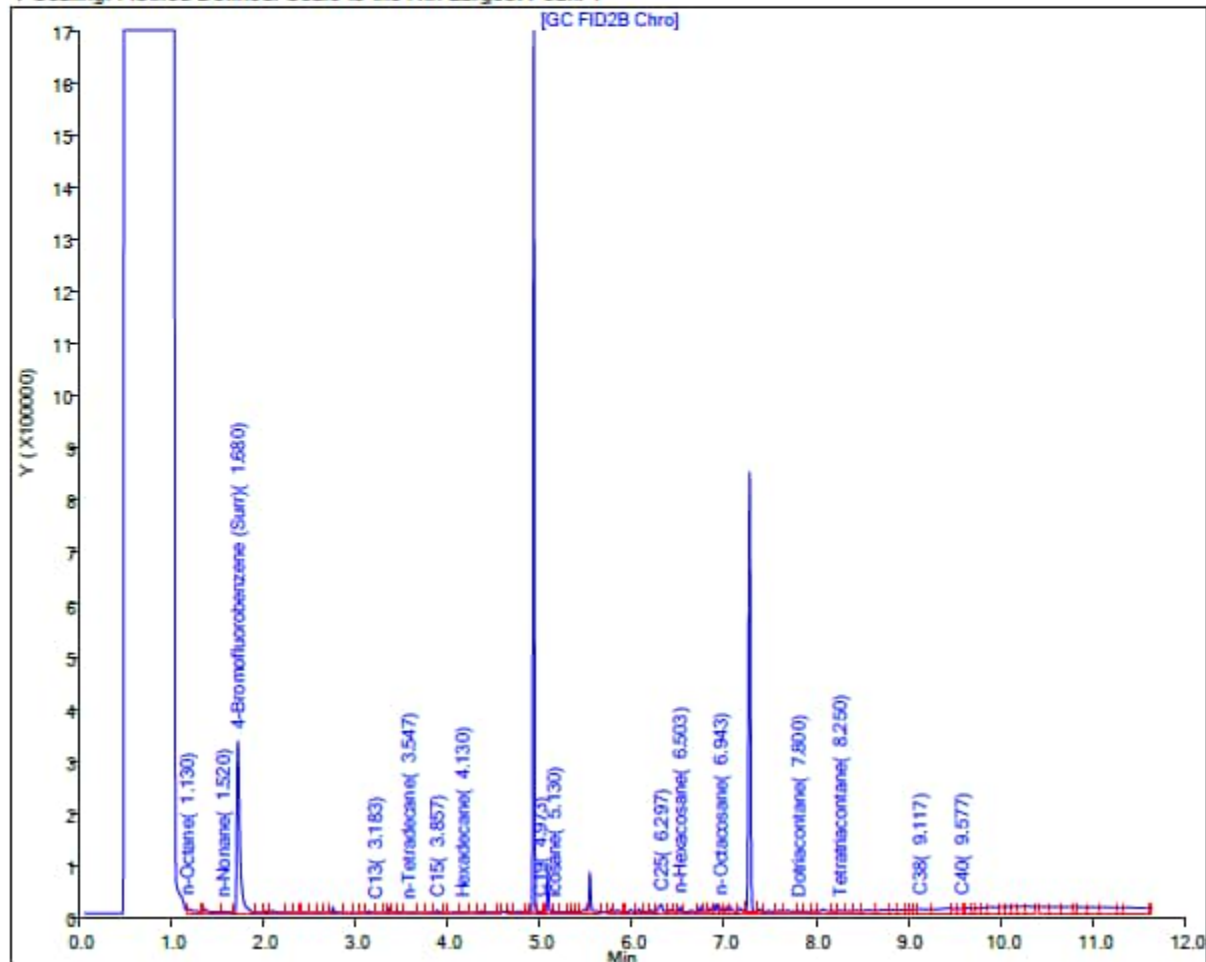
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-120438-1

Sample ID: OWDFMW01-WGN02LF-2211WK3, OWDFMW04A-WGFD02LF-2211WK3, OWDFMW04A-WGN02LF-2211WK3, OWDFMW05A-WGN02LF-2211WK3, OWDFMW07A-WGN02LF-2211WK3, OWDFMW08A-WGFD02LF-2211WK3, OWDFMW08A-WGN02LF-2211WK3, RHMW11-05-WGN02G-2211WK3, RHMW14-03-WGN02G-2211WK3

Sample Date: 11/23/22

Lab: Eurofins Seattle

Report Date: 06-Dec-2022 15:36:40

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221205-86109.b\120522_033.D

Injection Date: 06-Dec-2022 03:29:30

Instrument ID: TAC020

Lims ID: MB 580-411383/1-C

Client ID:

Operator ID: DH

ALS Bottle#: 26

Worklist Smp#: 26

Injection Vol: 1.0 ul

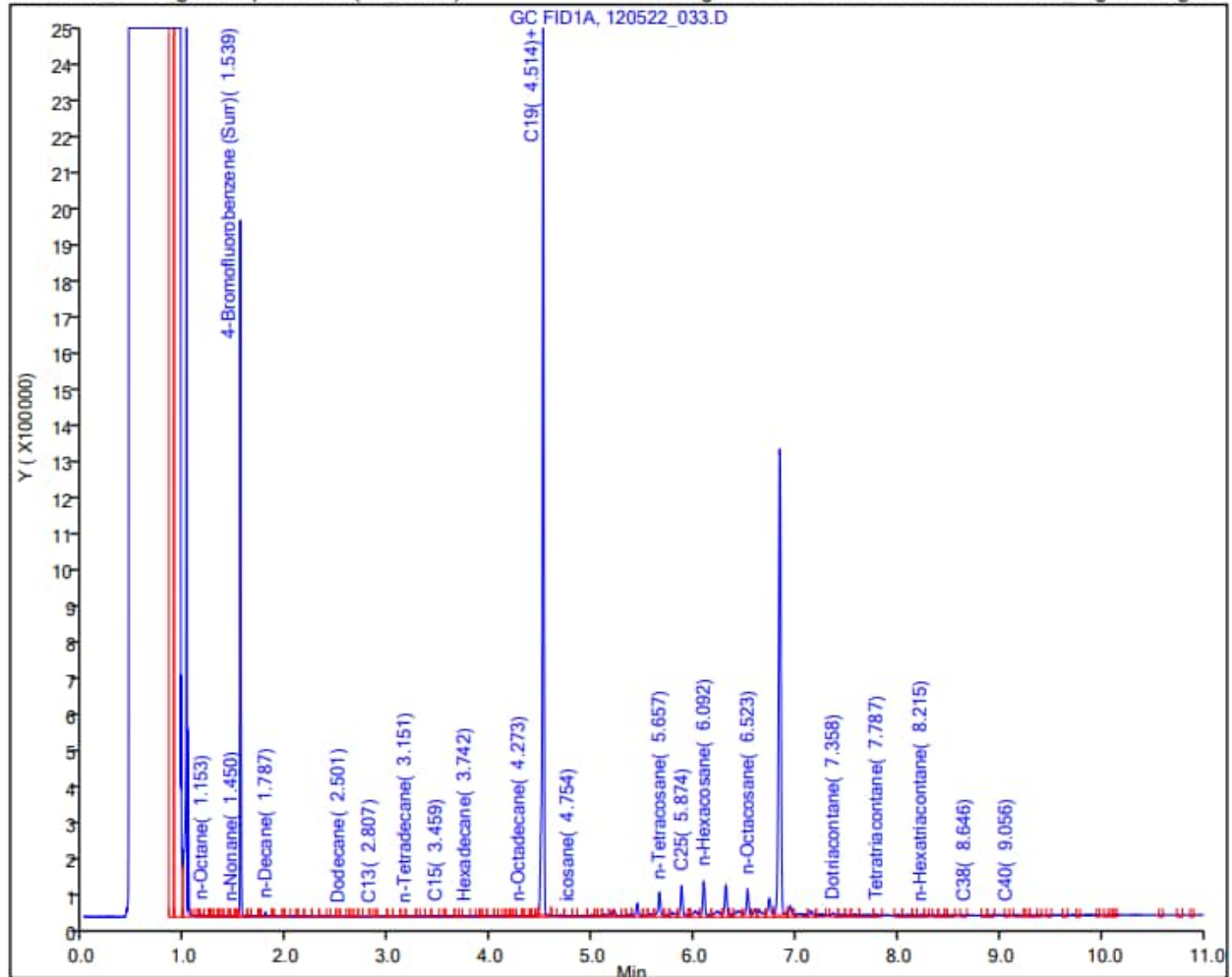
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-120757-1

Sample ID: ADIT3-SUMP-WGN01B-2211WK4, RHMW2254-01-WGN01B-2211WK4, RHMW2254-01-WGN01LF-2211WK4

Sample Date: 12/1/22

Lab: Eurofins Seattle

Report Date: 07-Dec-2022 12:58:26

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221206-86139.b\120622A027.D

Injection Date: 07-Dec-2022 00:32:59

Instrument ID: TAC129_R

Lims ID: MB 580-412085/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 14

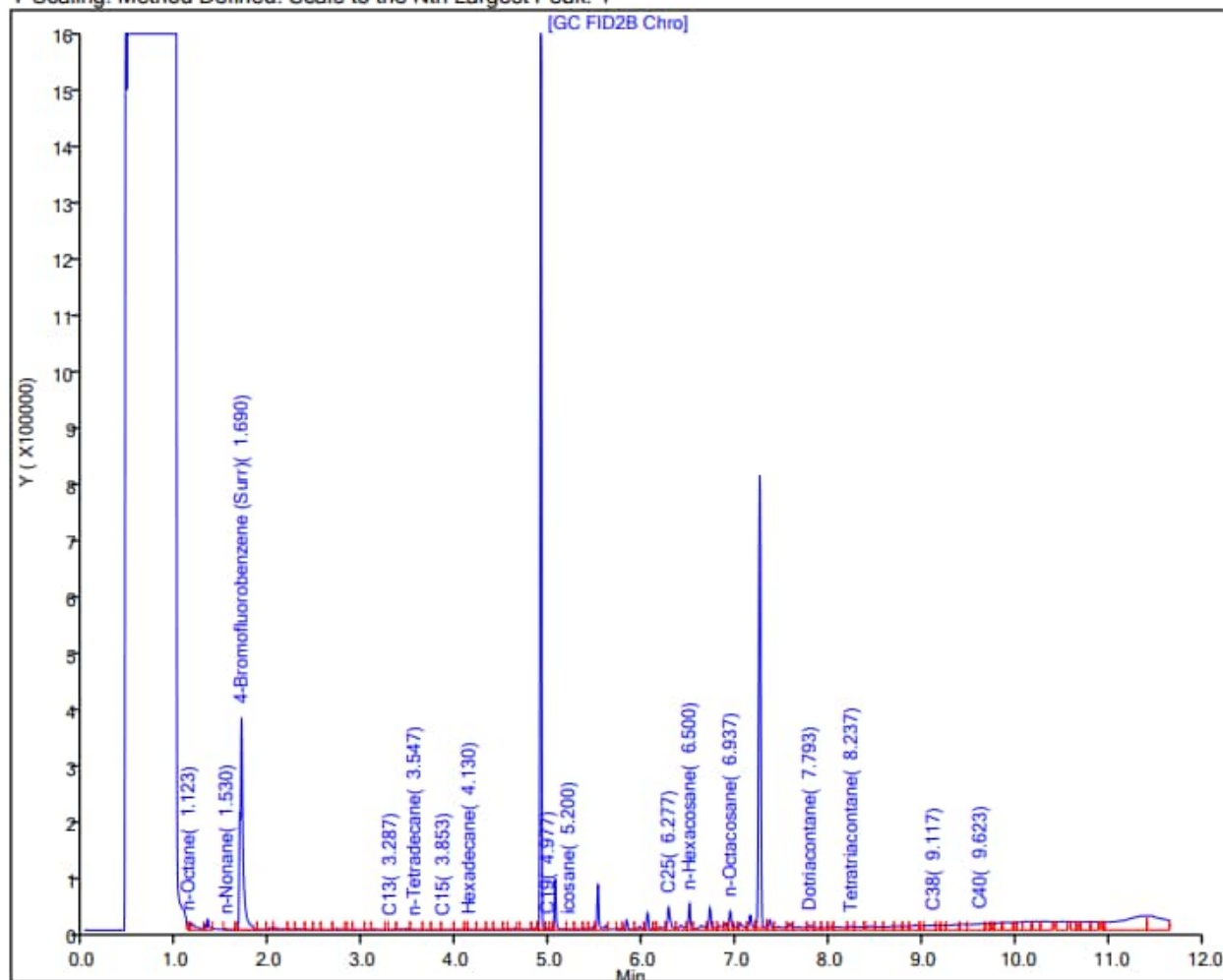
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-120593-1

Sample ID: OWDFMW01-WGN01LF-2211WK4, RHMW17-WGN01B-2211WK4

Sample Date: 11/30/22

Lab: Eurofins Seattle

Report Date: 05-Dec-2022 14:22:33

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221202-86083.b\120222A007.D

Injection Date: 03-Dec-2022 19:02:00

Instrument ID: TAC129_R

Lims ID: MB 580-411715/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 4

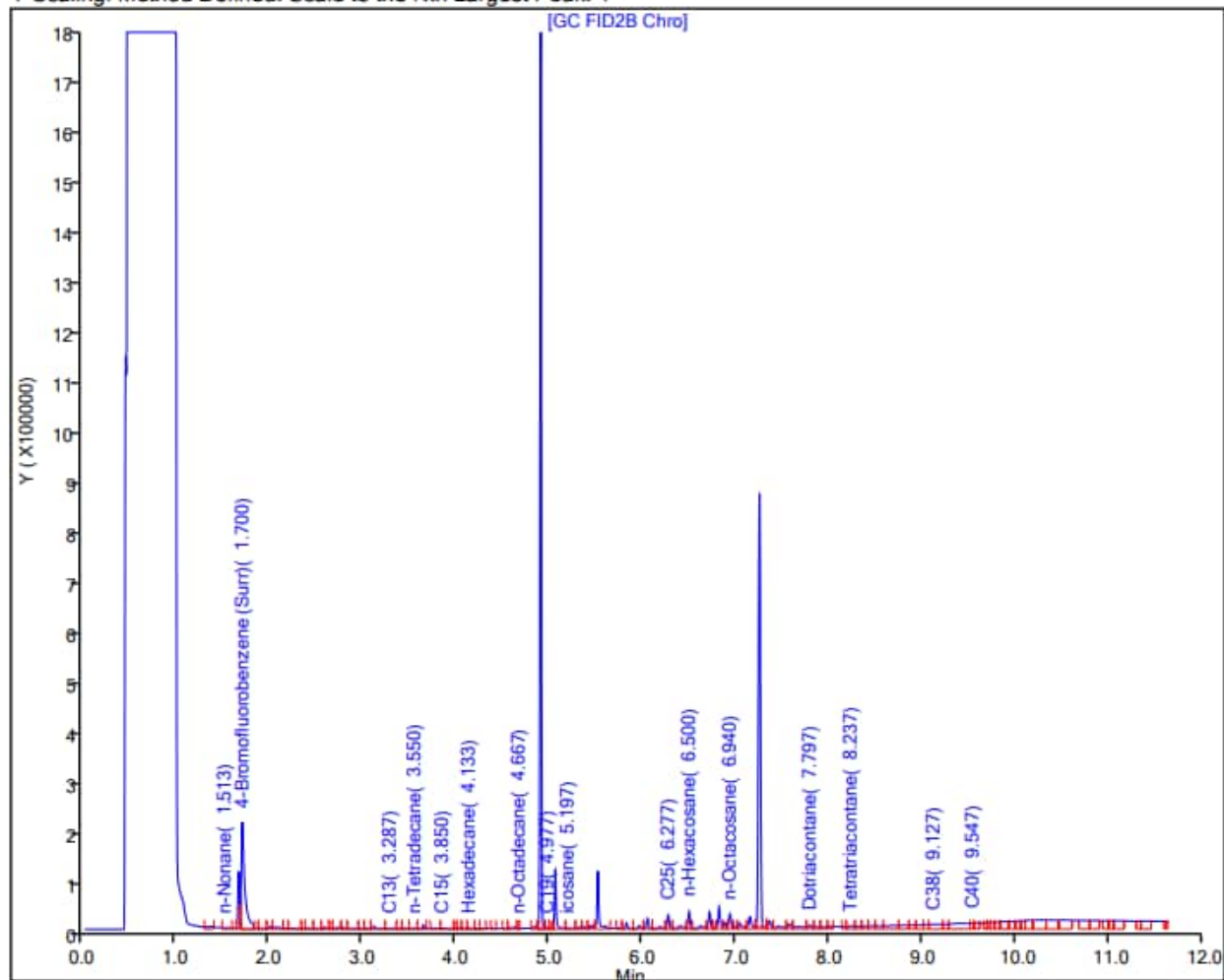
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-120540-1

Sample ID: RHMW09-WGN01B-2211WK4, RHMW19-WGN01B-2211WK4, RHMW01R-WGN01B-2211WK4, RHMW02-WGN01B-2211WK4, RHMW03-WGN01B-2211WK4, RHMW05-WGN01B-2211WK4, RHMW11-05-WGN01G-2211WK4, RHMW12A-WGN01LF-2211WK4, RHMW16-WGN01LF-2211WK4

Sample Date: 11/28/22, 11/29/22

Lab: Eurofins Seattle

Report Date: 08-Dec-2022 12:45:05

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221207-86155.b\120722A015.D

Injection Date: 07-Dec-2022 23:41:31

Instrument ID: TAC129_R

Lims ID: MB 580-412200/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 40

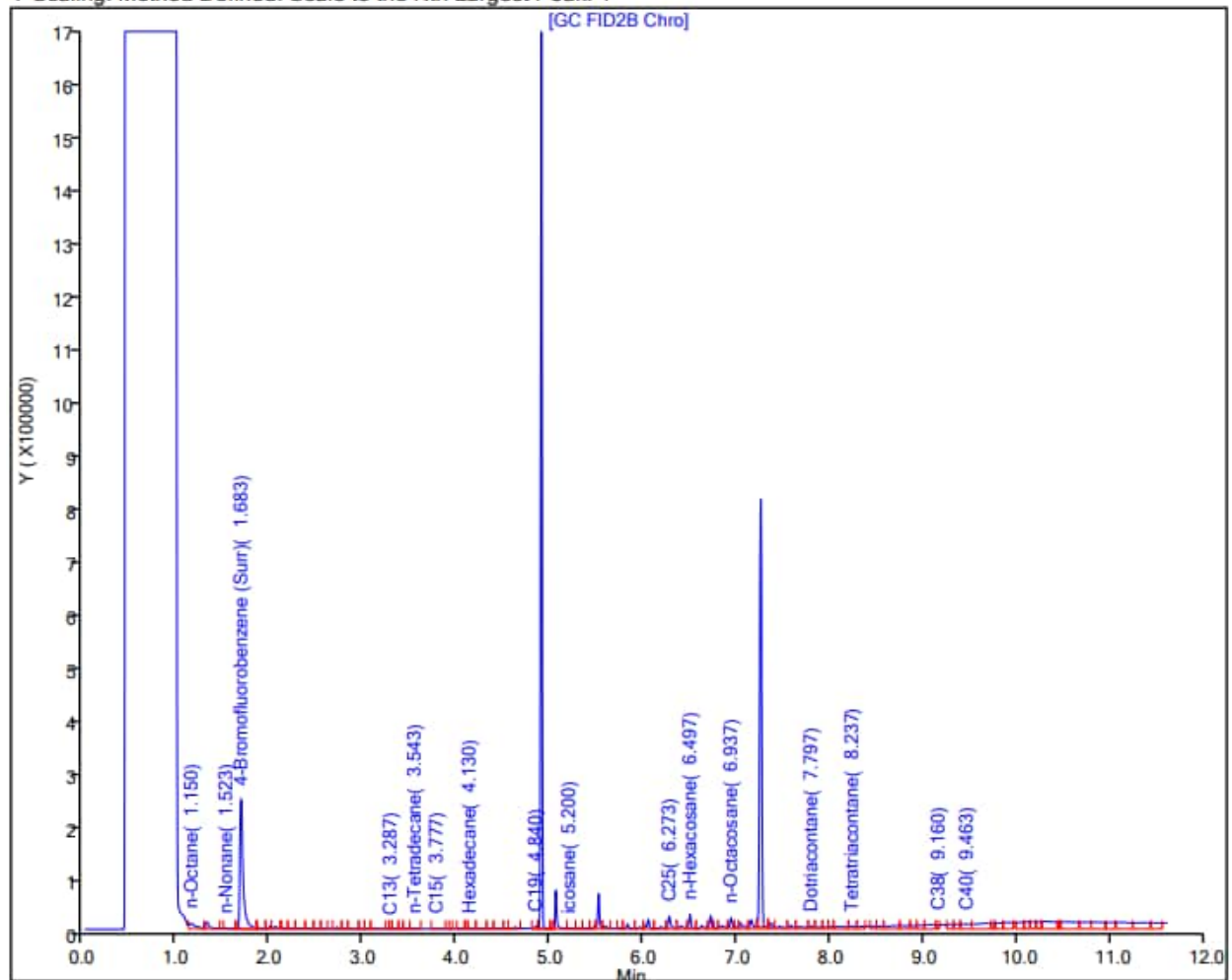
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121357-1

Sample ID: RHMW2254-01-WGN01B-2212WK2, RHMW2254-01-WGN01LF-2212WK2

Sample Date: 12/15/22

Lab: Eurofins Seattle

Report Date: 21-Dec-2022 12:56:11

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20221220-86351.b\1220a22A022.D

Injection Date: 20-Dec-2022 22:47:55

Instrument ID: TAC129

Lims ID: MB 580-413274/1-A

Client ID:

Operator ID: DH

ALS Bottle#:

0

Worklist Smp#:

4

Injection Vol: 1.0 ul

Dil. Factor:

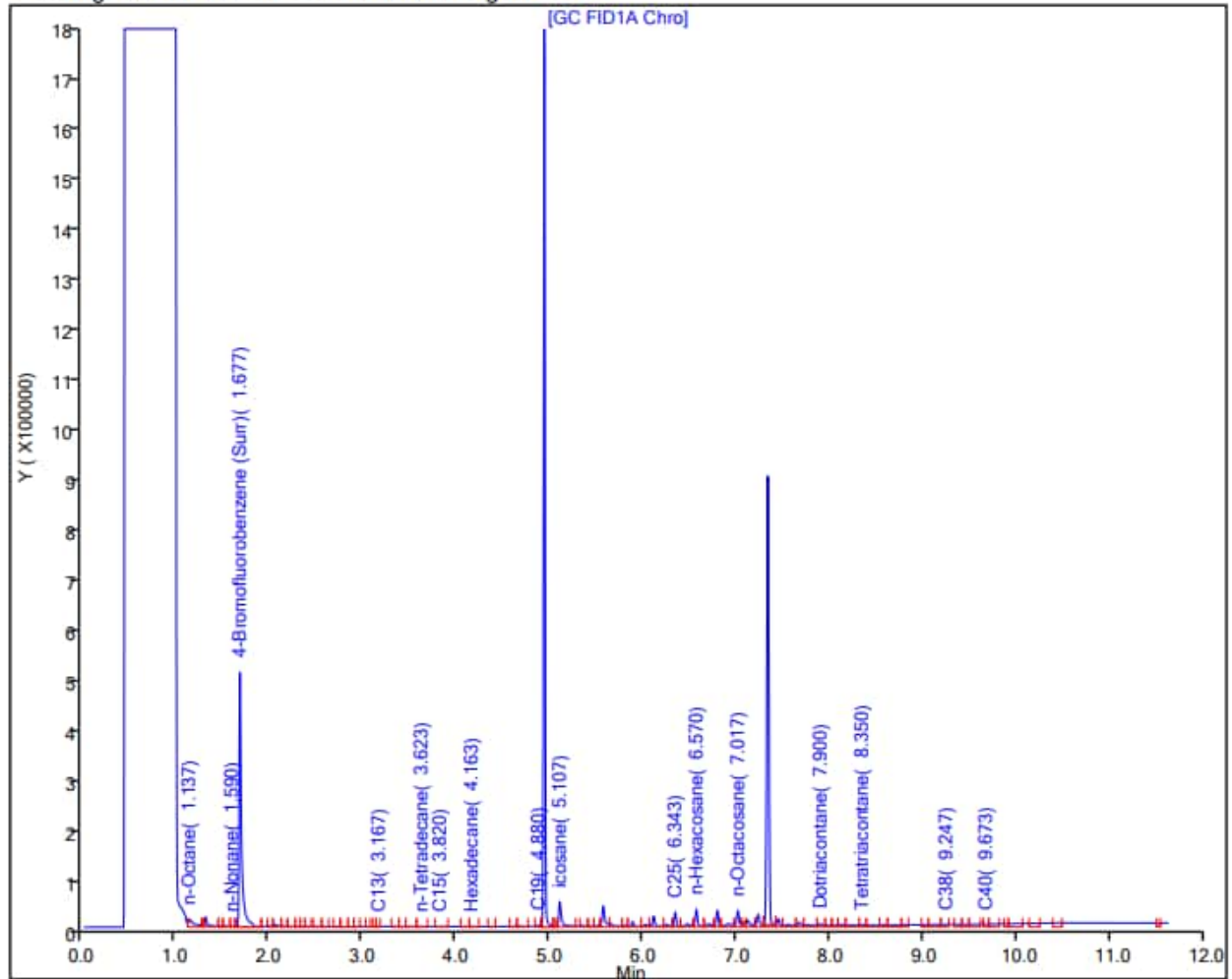
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121044-1

Sample ID: RHMW04-WGFD01B-2212WK1, RHMW04-WGN01B-2212WK1, RHMW17-WGN01B-2212WK1

Sample Date: 12/7/22

Lab: Eurofins Seattle

Report Date: 13-Dec-2022 13:20:36

Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221212-86226.b\1212A22A007.D

Injection Date: 12-Dec-2022 17:01:46

Instrument ID: TAC129_R

Lims ID: MB 580-412577/1-A

Client ID:

Operator ID: DH

ALS Bottle#:

0

Worklist Smp#:

4

Injection Vol: 1.0 ul

Dil. Factor:

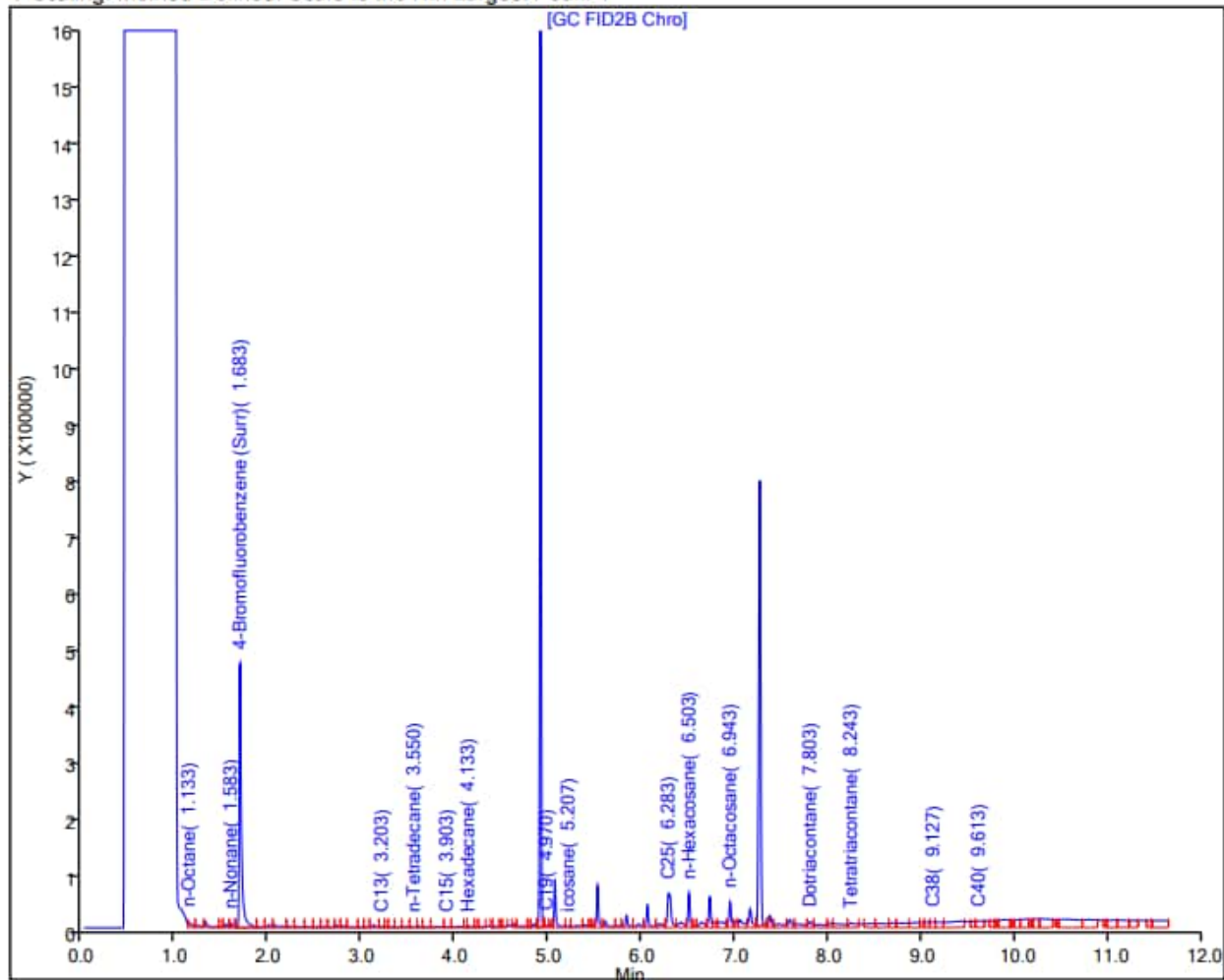
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121420-1

Sample ID: RHMW12A-WGN01LF-2212WK2, RHMW16-WGN01LF-2212WK2

Sample Date: 12/16/22

Lab: Eurofins Seattle

Report Date: 27-Dec-2022 12:35:37

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221222-86386.b\12222022_021.D

Injection Date: 22-Dec-2022 22:55:01

Instrument ID: TAC020

Lims ID: MB 580-413630/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 33

Injection Vol: 1.0 ul

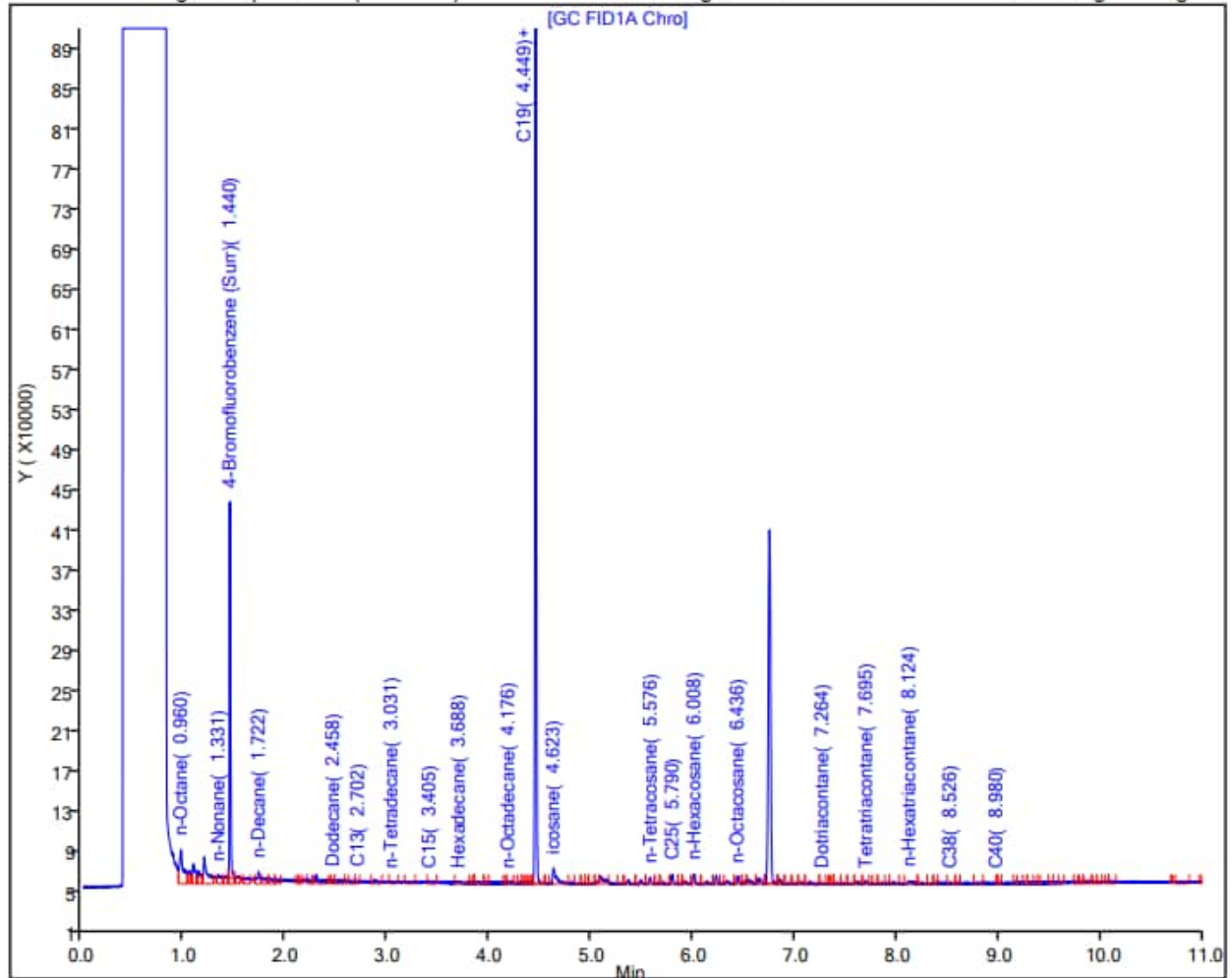
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-121415-1

Sample ID: OWDFMW04A-WGFD01LF-2212WK3, OWDFMW04A-WGN01LF-2212WK3, OWDFMW05A-WGN01LF-2212WK3, RHMW08-WGN01B-2212WK3, RHMW15-05-WGN01G-2212WK3

Sample Date: 12/19/22

Lab: Eurofins Seattle

Report Date: 27-Dec-2022 12:35:37

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20221222-86386.b\12222022_021.D

Injection Date: 22-Dec-2022 22:55:01

Instrument ID: TAC020

Lims ID: MB 580-413630/1-A

Client ID:

Operator ID: DH

ALS Bottle#:

0

Worklist Smp#:

33

Injection Vol: 1.0 ul

Dil. Factor:

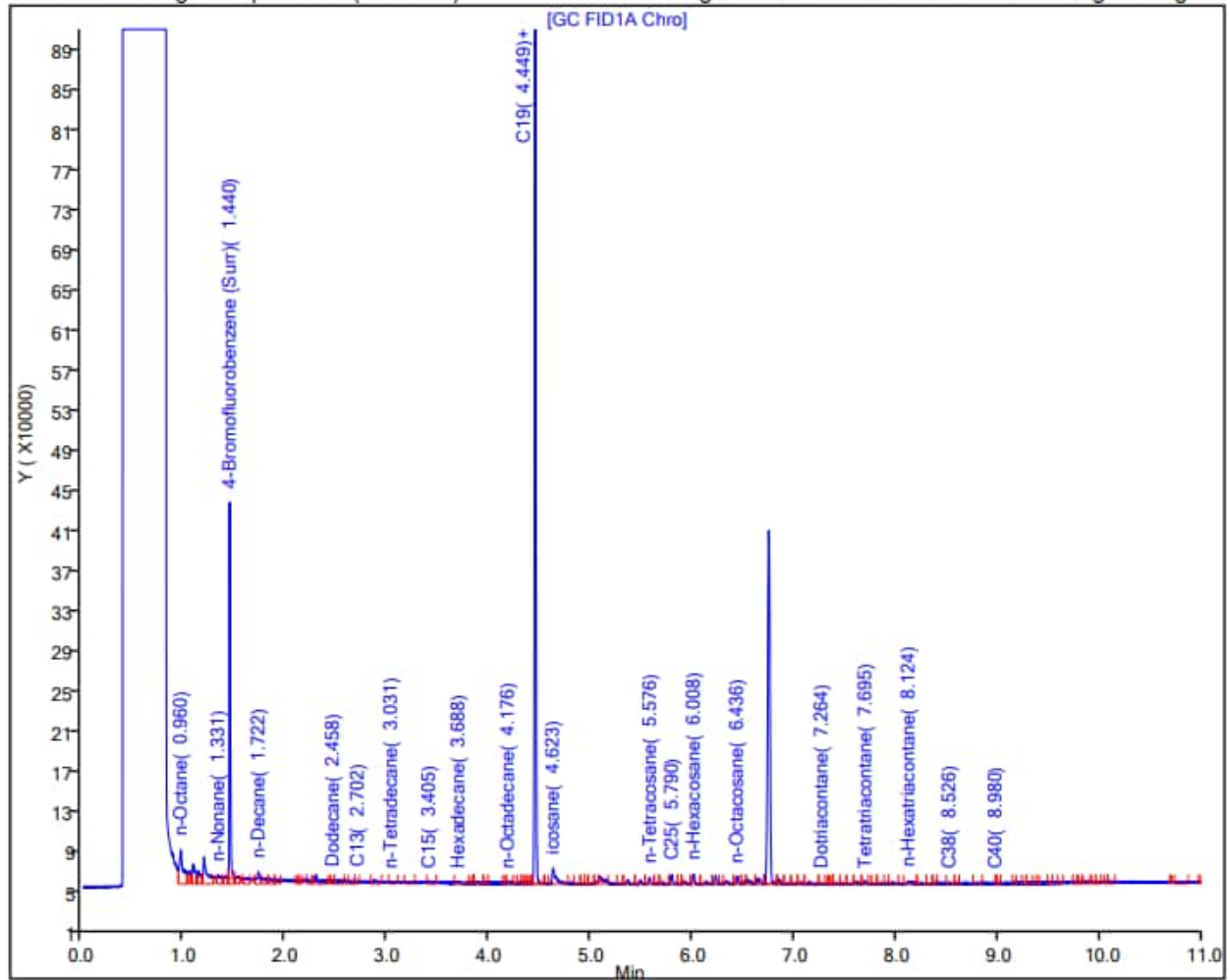
1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-121471-1

Sample ID: RHMW06-WGN01B-2212WK3, RHMW11-05-WGN01G-2212WK3, RHMW12A-WGN01LF-2212WK3, RHMW16-WGN01LF-2212WK3

Sample Date: 12/19/22, 12/20/22

Lab: Eurofins Seattle

Report Date: 04-Jan-2023 23:01:49

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230104-86508.b\010423A035.D

Injection Date: 04-Jan-2023 18:00:09

Instrument ID: TAC129_R

Lims ID: MB 580-414455/1-A

Client ID:

Operator ID: CC

ALS Bottle#:

0

Worklist Smp#:

34

Injection Vol: 1.0 ul

Dil. Factor:

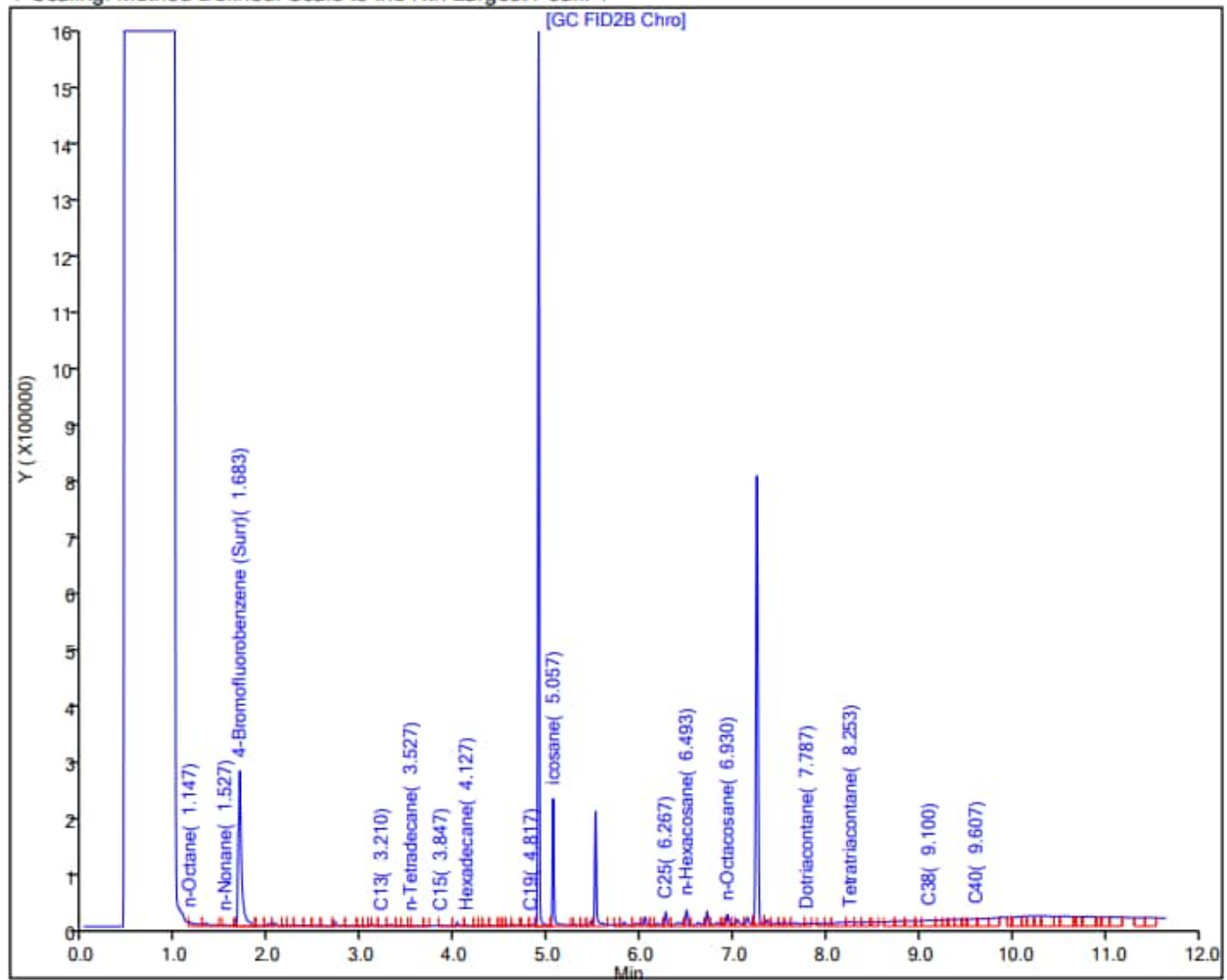
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121497-1

Sample ID: RHMW01R-WGN01B-2212WK3, RHMW02-WGN01B-2212WK3, RHMW03-WGN01B-2212WK3, RHMW05-WGN01B-2212WK3, RHMW14-03-WGN01G-2212WK3, OWDFMW01-WGN01LF-2212WK3, RHMW13-05-WGN01G-2212WK3, RHMW17-WGN01B-2212WK3

Sample Date: 12/20/22, 12/2/22

Lab: Eurofins Seattle

Report Date: 29-Dec-2022 14:32:16

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221228-86433.b\122822A007.D

Injection Date: 28-Dec-2022 23:15:45

Instrument ID: TAC129_R

Lims ID: MB 580-413797/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 4

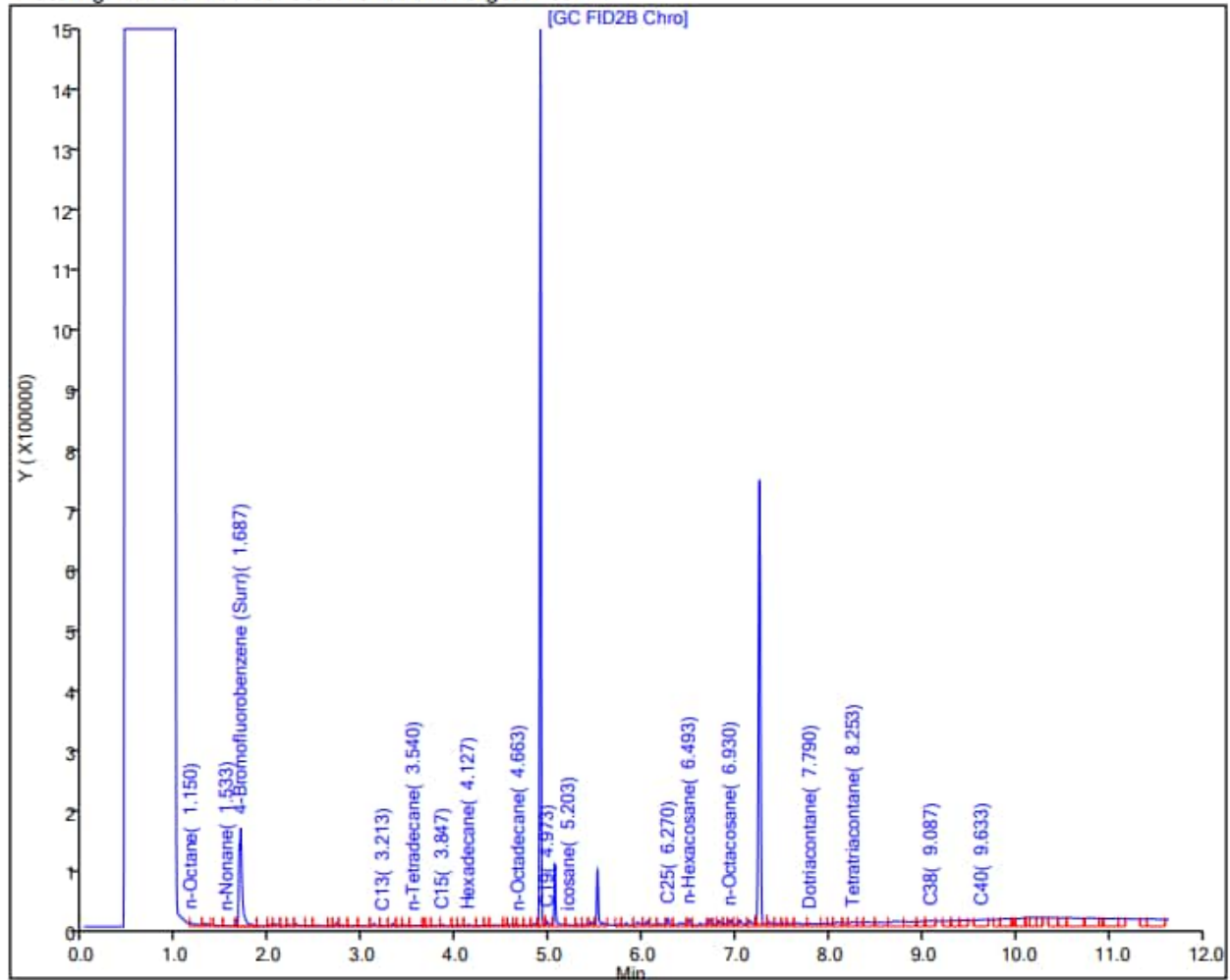
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121570-1

Sample ID: OWDFMW05A-WGN01LF-2209WK4, RHMW15-05-WGN01G-2209WK4

Sample Date: 9/26/22

Lab: Eurofins Seattle

Report Date: 29-Dec-2022 14:33:19

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20221228-86433.b\122822A043.D

Injection Date: 29-Dec-2022 04:50:30

Instrument ID: TAC129_R

Lims ID: MB 580-413921/1-A

Client ID:

Operator ID: DH

ALS Bottle#: 0

Worklist Smp#: 22

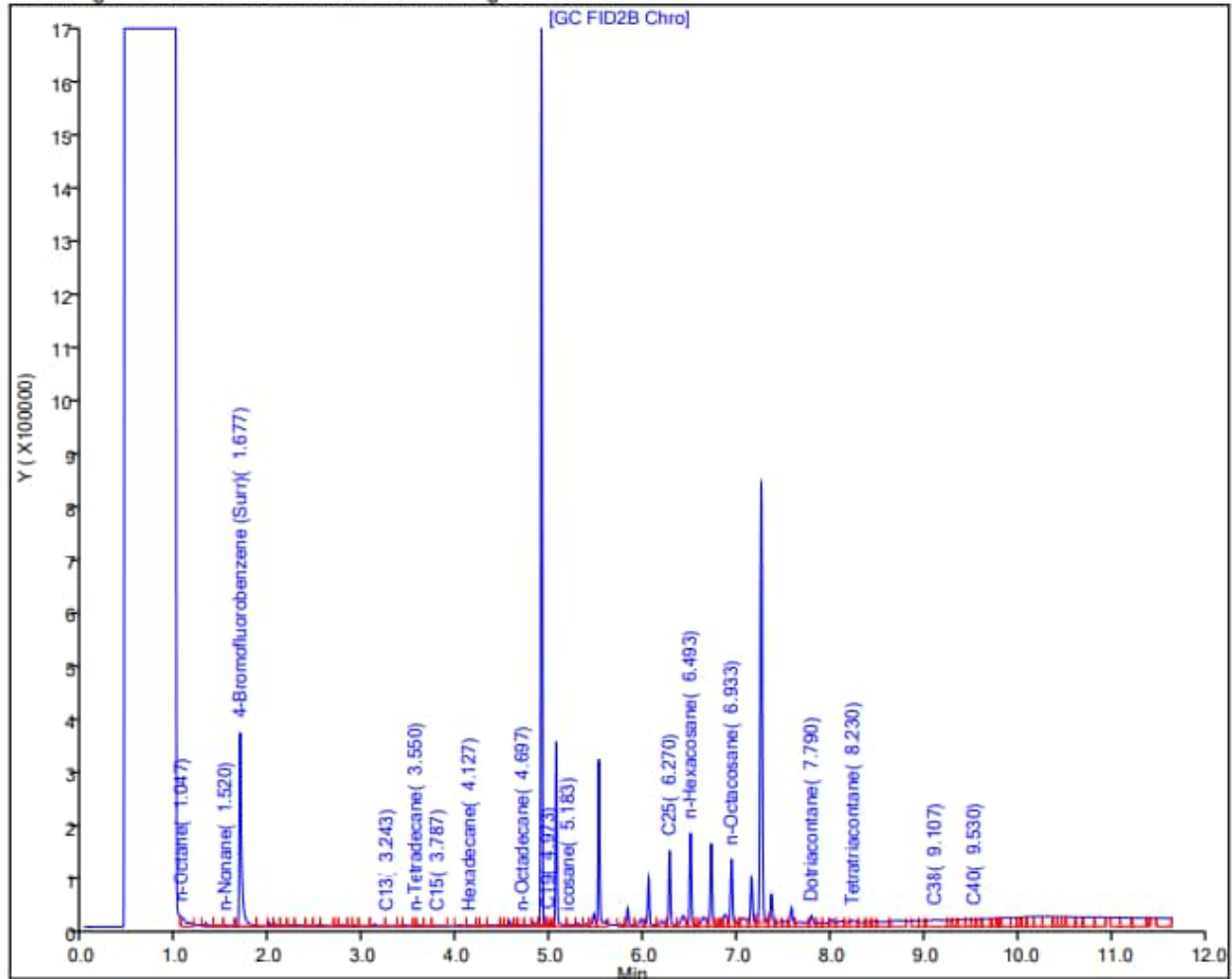
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121597-1

Sample ID: OWDFMW07A-WGN01LF-2212WK4, OWDFMW08A-WGFD01LF-2212WK4, OWDFMW08A-WGN01LF-2212WK4

Sample Date: 12/27/22

Lab: Eurofins Seattle

Report Date: 05-Jan-2023 21:20:08

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A007.D

Injection Date: 05-Jan-2023 16:10:16

Instrument ID: TAC129_R

Lims ID: MB 580-414331/1-A

Client ID:

Operator ID: CC

ALS Bottle#: 0

Worklist Smp#: 19

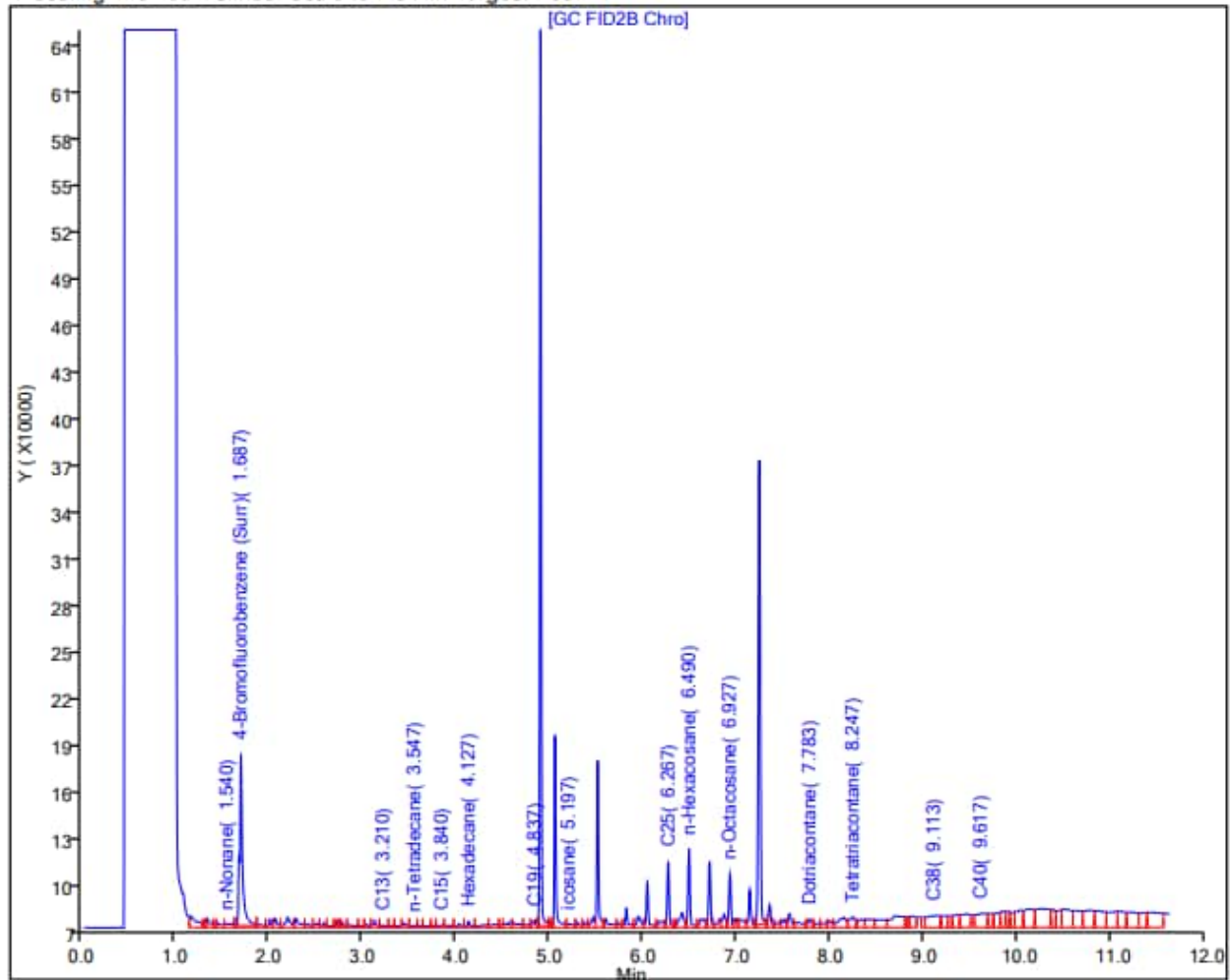
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121666-1

Sample ID: RHMW09-WGN01B-2212WK4, RHMW15-05-WGN01G-2212WK4, RHMW19-WGN01B-2212WK4, RHMW11-05-WGN01G-2212WK4

Sample Date: 12/27/22, 12/28/22

Lab: Eurofins Seattle

Report Date: 05-Jan-2023 21:20:08

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A007.D

Injection Date: 05-Jan-2023 16:10:16

Instrument ID: TAC129_R

Lims ID: MB 580-414331/1-A

Client ID:

Operator ID: CC

ALS Bottle#:

0

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

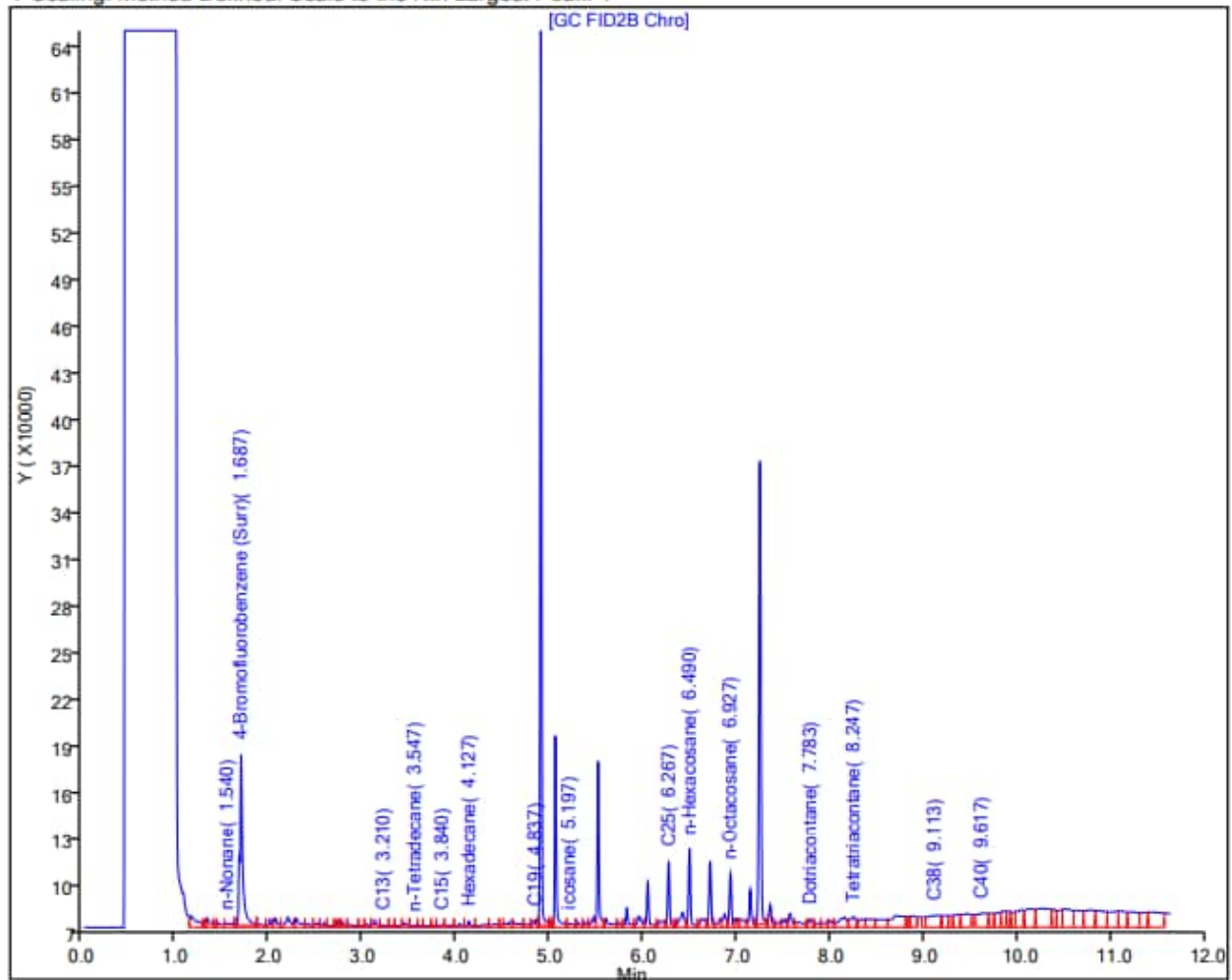
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121703-1

Sample ID: RHMW01R-WGN01B-2212WK4, RHMW02-WGN01B-2212WK4, RHMW03-WGN01B-2212WK4, RHMW05-WGN01B-2212WK4, RHMW12A-WGN01LF-2212WK4, RHMW16-WGN01LF-2212WK4

Sample Date: 12/28/22

Lab: Eurofins Seattle

Report Date: 05-Jan-2023 21:20:08

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230105-86532.b\010523A007.D

Injection Date: 05-Jan-2023 16:10:16

Instrument ID: TAC129_R

Lims ID: MB 580-414331/1-A

Client ID:

Operator ID: CC

ALS Bottle#:

0

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

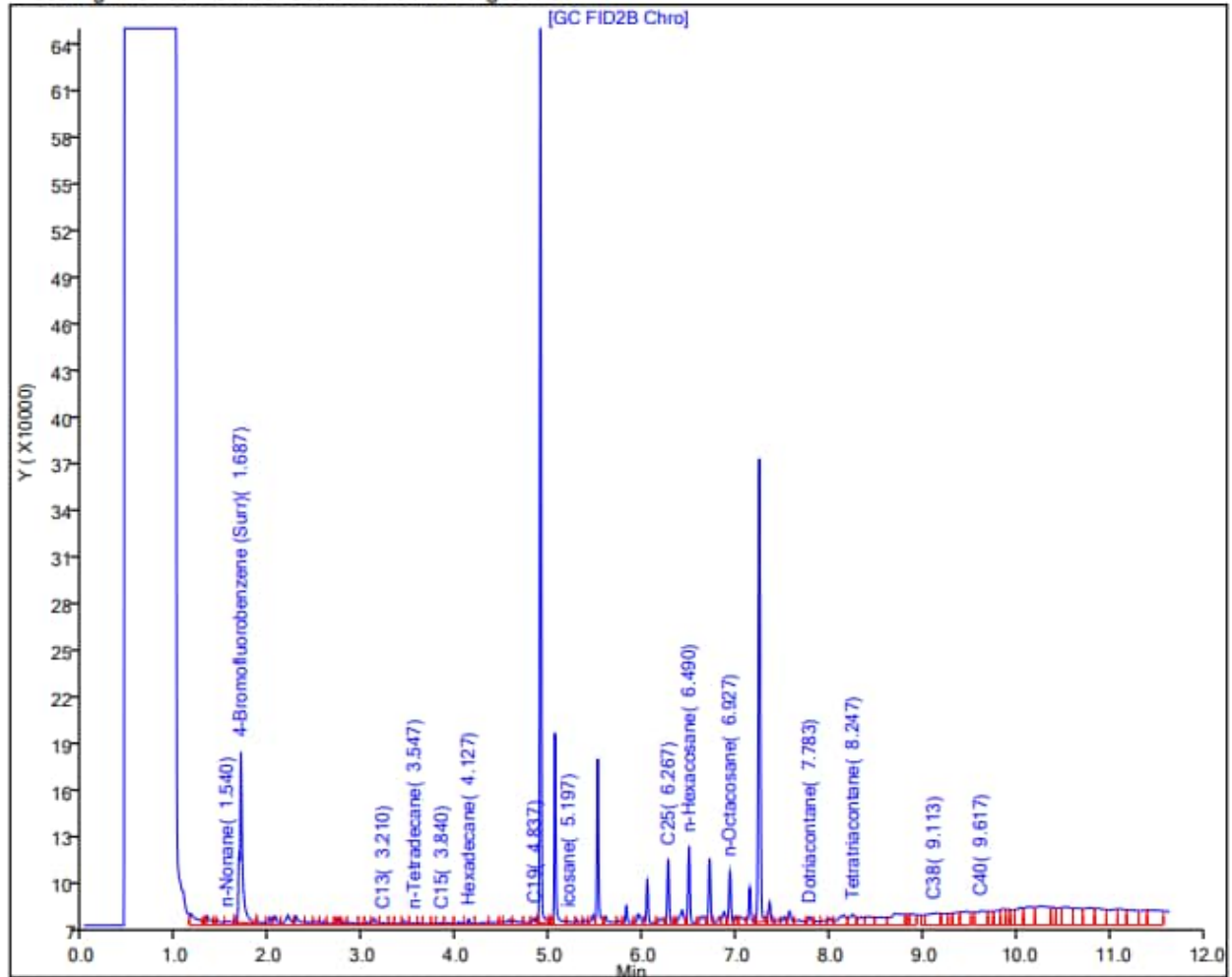
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121697-1

Sample ID: ADIT3-SUMP-WGN01B-2212WK4, OWDFMW04A-WGFD01LF-2212WK4, OWDFMW04A-WGN01LF-2212WK4, OWDFMW05A-WGN01LF-2212WK4, RHMW2254-01-WGN01B-2212WK4, RHMW2254-01-WGN01LF-2212WK4

Sample Date: 12/29/22

Lab: Eurofins Seattle

Report Date: 11-Jan-2023 14:10:55

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230106-86546.b\010623A007.D

Injection Date: 06-Jan-2023 13:47:59

Instrument ID: TAC129_R

Lims ID: MB 580-414590/1-A

Client ID:

Operator ID: CC

ALS Bottle#: 0

Worklist Smp#: 33

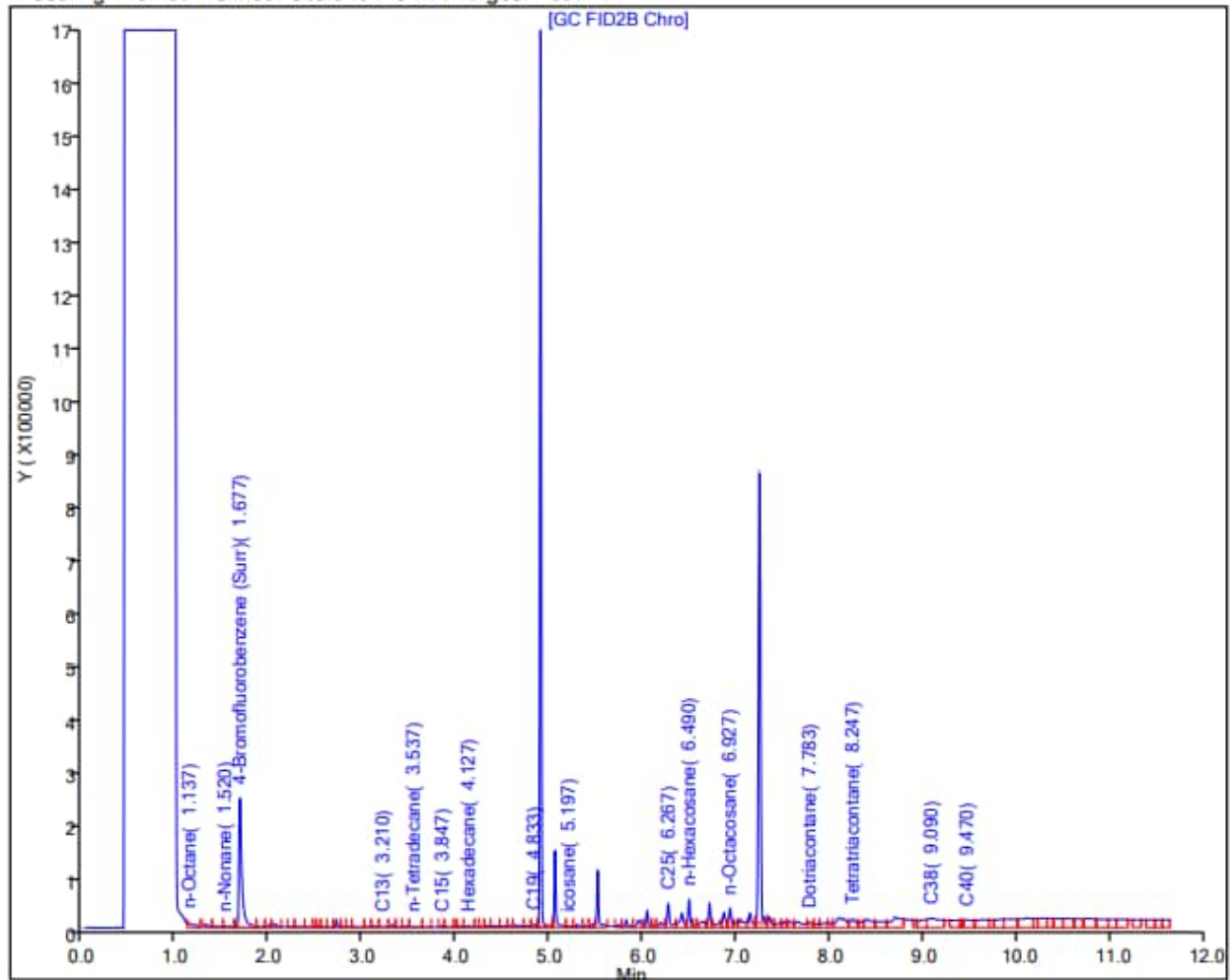
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121747-1

Sample ID: RHMW13-05-WGN01G-2212WK4, OWDFMW01-WGN01LF-2212WK4, RHMW04-WGFD01B-2212WK4, RHMW04-WGN01B-2212WK4, RHMW06-WGN01B-2212WK4, RHMW08-WGN01B-2212WK4, RHMW14-03-WGN01G-2212WK4, RHMW17-WGN01B-2212WK4

Sample Date: 12/29/22, 12/30/22

Lab: Eurofins Seattle

Report Date: 04-Jan-2023 23:01:49

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230104-86508.b\010423A035.D

Injection Date: 04-Jan-2023 18:00:09

Instrument ID: TAC129_R

Lims ID: MB 580-414455/1-A

Client ID:

Operator ID: CC

ALS Bottle#:

0

Worklist Smp#: 34

Injection Vol: 1.0 ul

Dil. Factor:

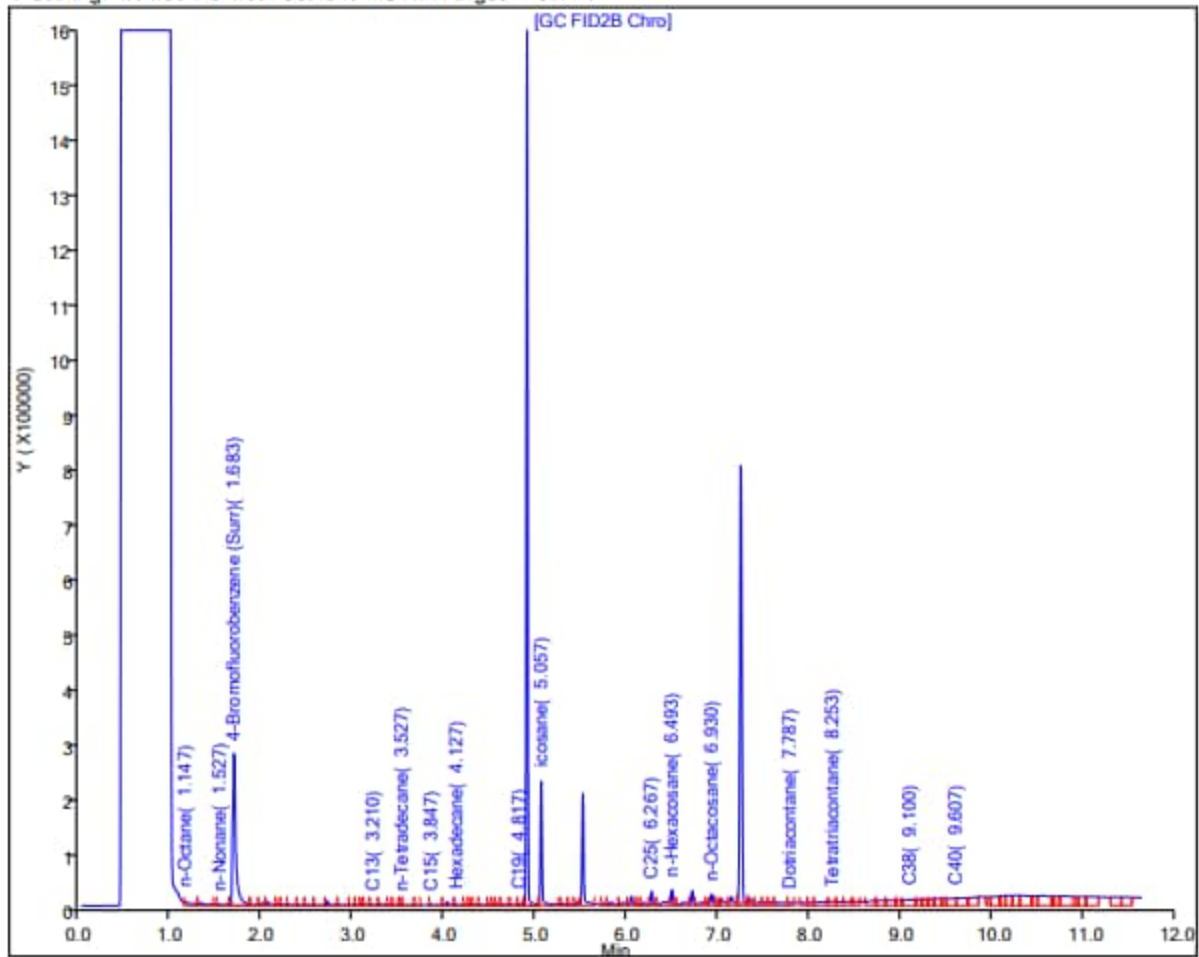
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121791-1

Sample ID: OWDFMW07A-WGN01LF-2301WK1, OWDFMW08A-WGFD01LF-2301WK1, OWDFMW08A-WGN01LF-2301WK1, RHMW09-WGN01B-2301WK1, RHMW15-05-WGN01G-2301WK1, RHMW19-WGN01B-2301WK1

Sample Date: 1/3/23

Lab: Eurofins Seattle

Report Date: 18-Jan-2023 09:36:14

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86698.b\011723A009.D

Injection Date: 17-Jan-2023 09:45:26

Instrument ID: TAC129_R

Lims ID: MB 580-415458/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#: 4

Injection Vol: 1.0 uL/L

Dil. Factor:

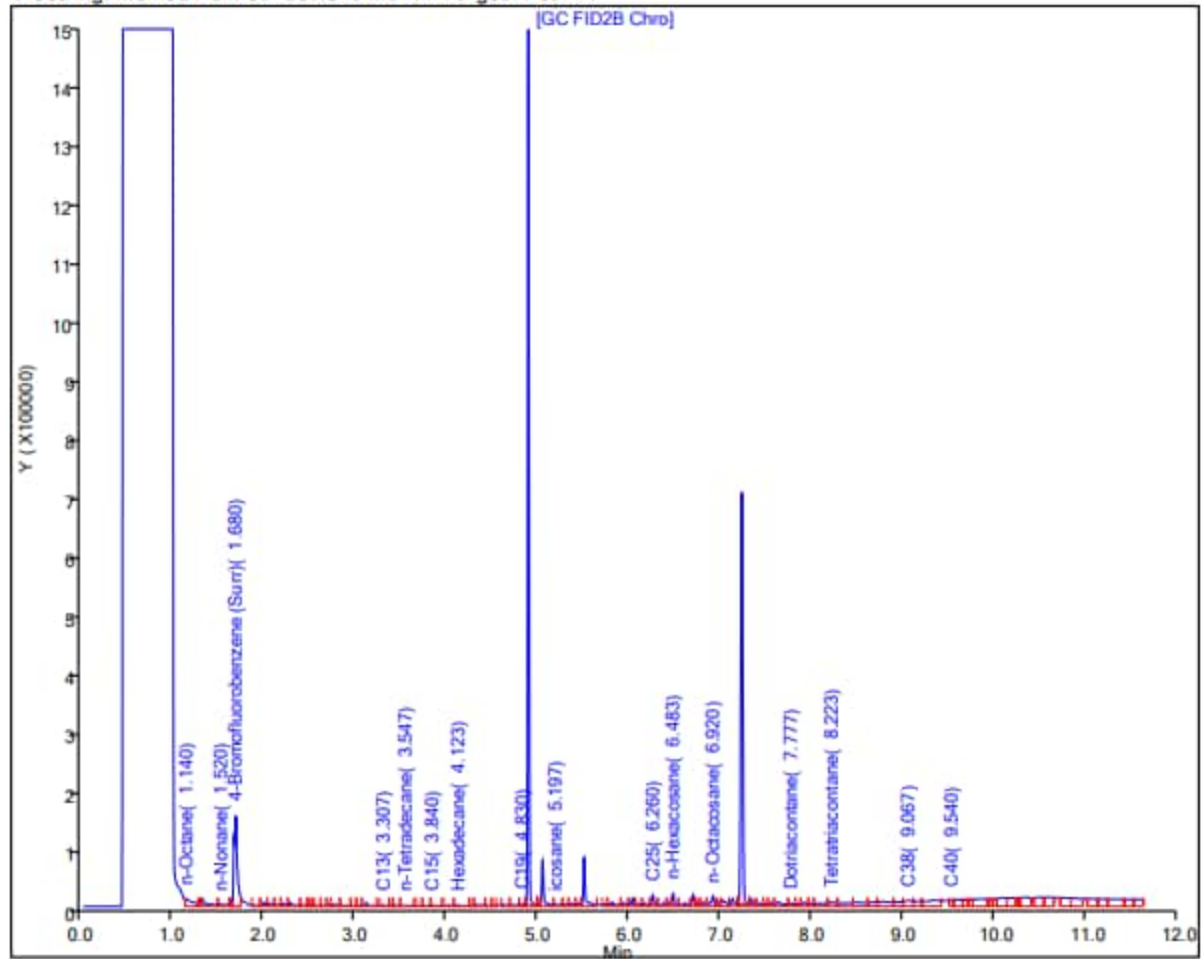
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121868-1

Sample ID: RHMW01R-WGN01B-2301WK1, RHMW02-WGN01B-2301WK1, RHMW03-WGN01B-2301WK1, RHMW05-WGN01B-2301WK1, RHMW11-05-WGN01G-2301WK1, RHMW12A-WGN01LF-2301WK1, RHMW16-WGN01LF-2301WK1

Sample Date: 1/4/23

Lab: Eurofins Seattle

Report Date: 13-Jan-2023 14:23:09

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230112-86644.b\011223A041.D

Injection Date: 12-Jan-2023 18:13:56

Instrument ID: TAC129_R

Lims ID: MB 580-414866/1-A

Client ID:

Operator ID: kw/cc

ALS Bottle#:

0

Worklist Smp#: 16

Injection Vol: 1.0 ul

Dil. Factor:

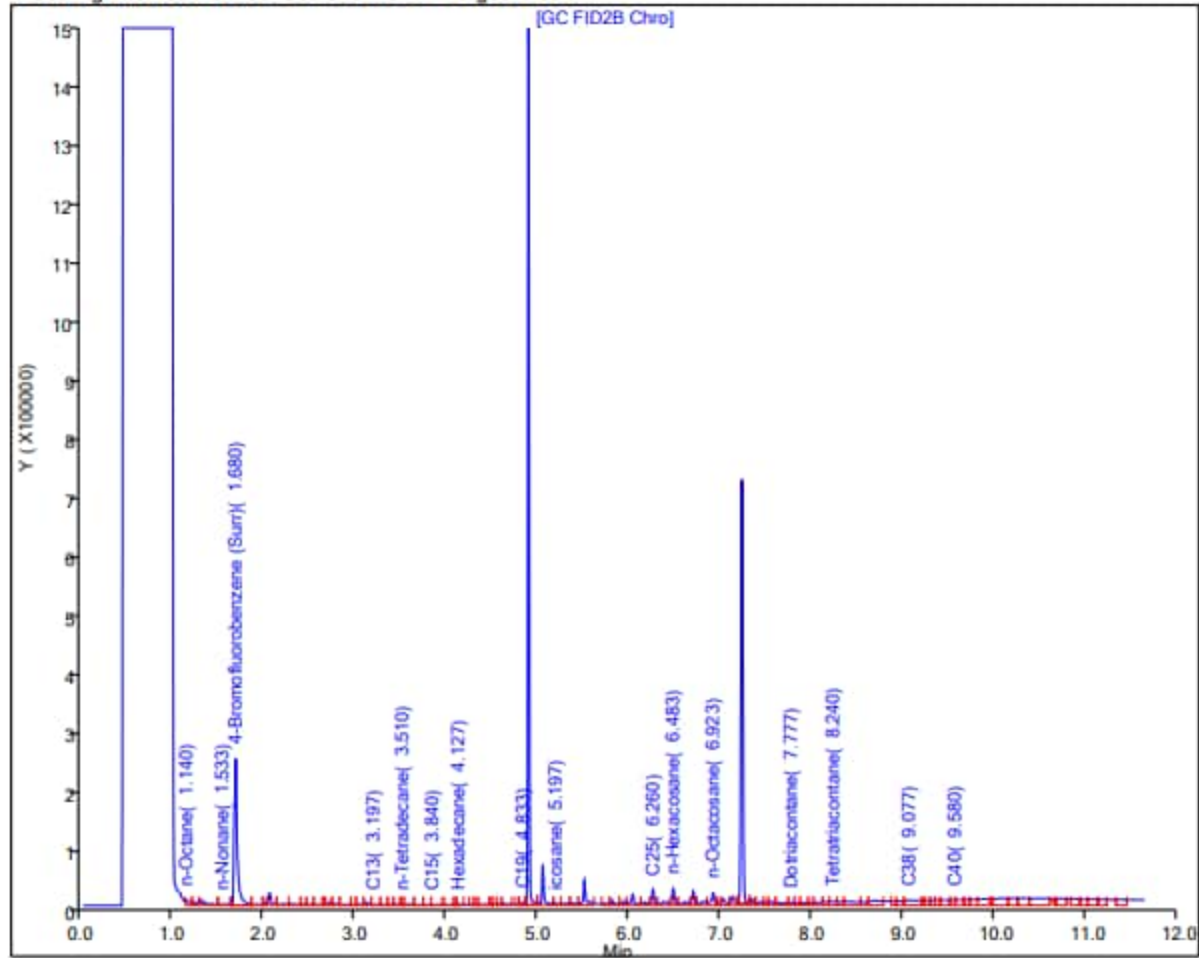
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121931-1

Sample ID: OWDFMW04A-WGFD01LF-2301WK1, OWDFMW04A-WGN01LF-2301WK1, OWDFMW05A-WGN01LF-2301WK1, RHMW13-05-WGN01G-2301WK1

Sample Date: 1/5/23

Lab: Eurofins Seattle

Report Date: 13-Jan-2023 10:46:03

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230112-86634.b\011223A016.D

Injection Date: 12-Jan-2023 14:09:35

Instrument ID: TAC129

Lims ID: MB 580-415106/1-B

Client ID:

Operator ID: kw/cc

ALS Bottle#:

0

Worklist Smp#:

36

Injection Vol: 1.0 ul

Dil. Factor:

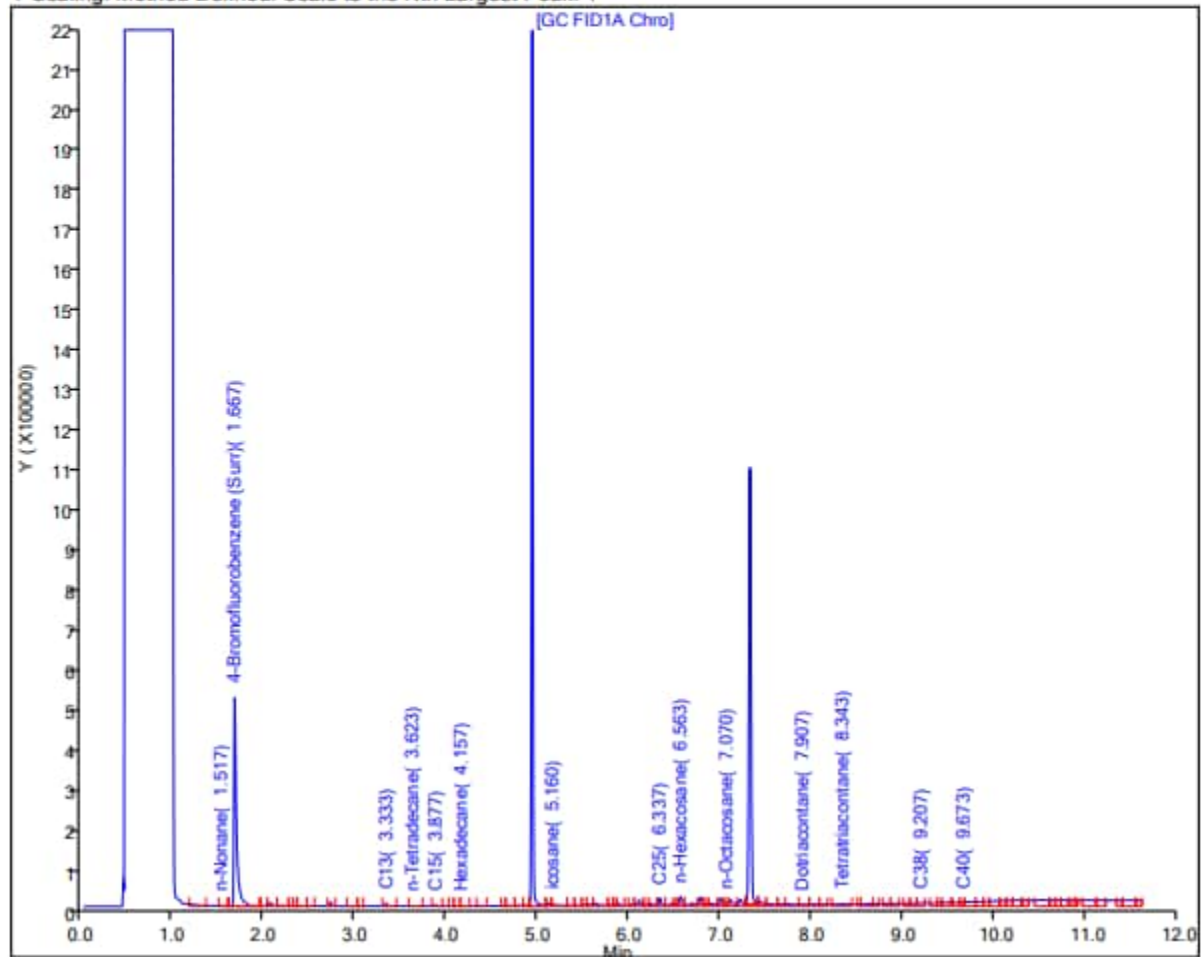
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-121982-1

Sample ID: OWDFMW01-WGN01LF-2301WK1, RHMW04-WGFD01B-2301WK1, RHMW04-WGN01B-2301WK1, RHMW06-WGN01B-2301WK1, RHMW08-WGN01B-2301WK1, RHMW14-03-WGN01G-2301WK1, RHMW17-WGN01B-2301WK1

Sample Date: 1/6/23

Lab: Eurofins Seattle

Report Date: 16-Jan-2023 11:29:12

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230114-86670.b\011423A037.D

Injection Date: 14-Jan-2023 20:40:04

Instrument ID: TAC129_R

Lims ID: MB 580-415347/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#: 18

Injection Vol: 1.0 ul

Dil. Factor:

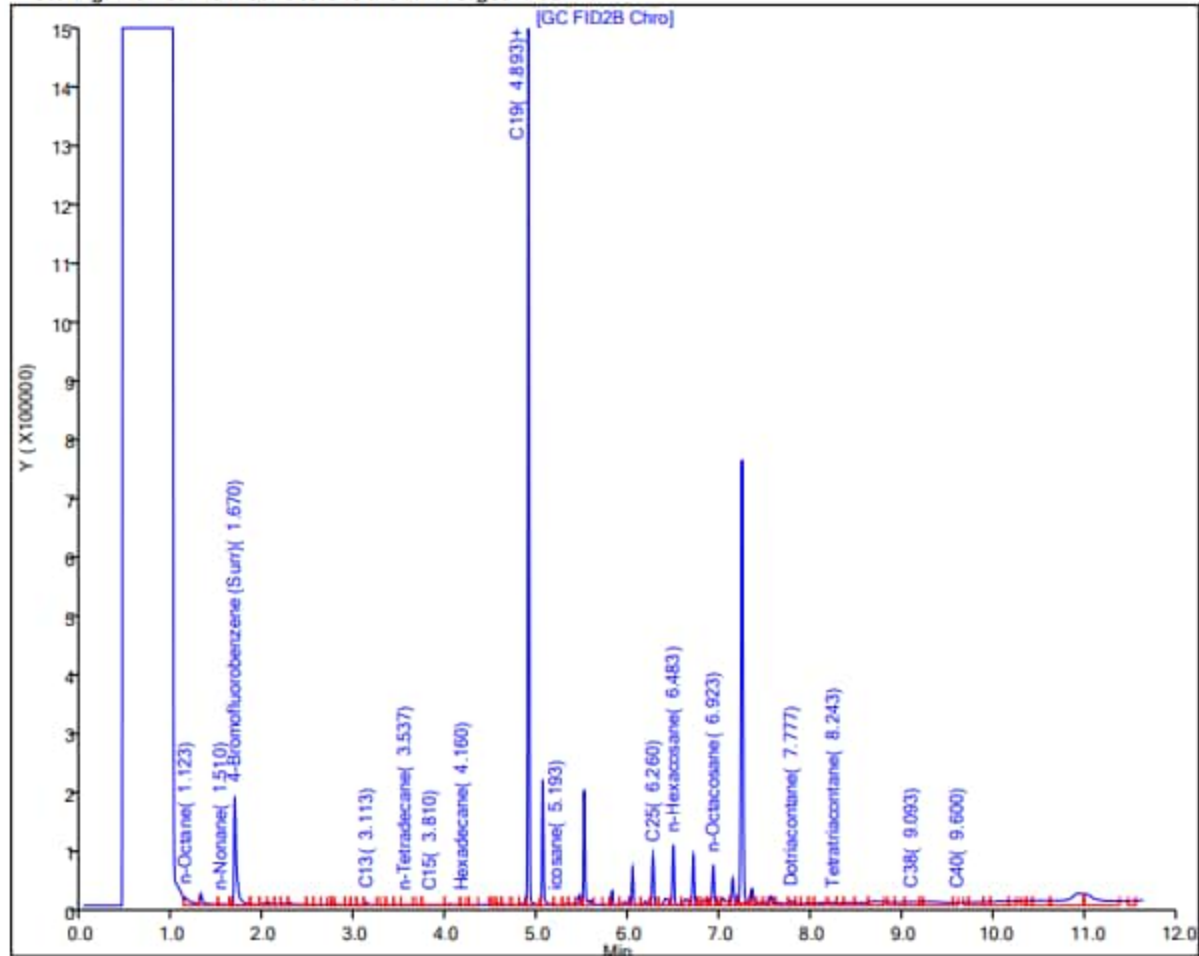
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-122000-1

Sample ID: OWDFMW07A-WGN01LF-2301WK2, OWDFMW08A-WGFD01LF-2301WK2, OWDFMW08A-WGN01LF-2301WK2, RHMW09-WGN01B-2301WK2, RHMW15-05-WGN01G-2301WK2, RHMW19-WGN01B-2301WK2

Sample Date: 1/9/23

Lab: Eurofins Seattle

Report Date: 18-Jan-2023 09:36:14

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86698.b\011723A009.D

Injection Date: 17-Jan-2023 09:45:26

Instrument ID: TAC129_R

Lims ID: MB 580-415458/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#: 4

Injection Vol: 1.0 uL/L

Dil. Factor:

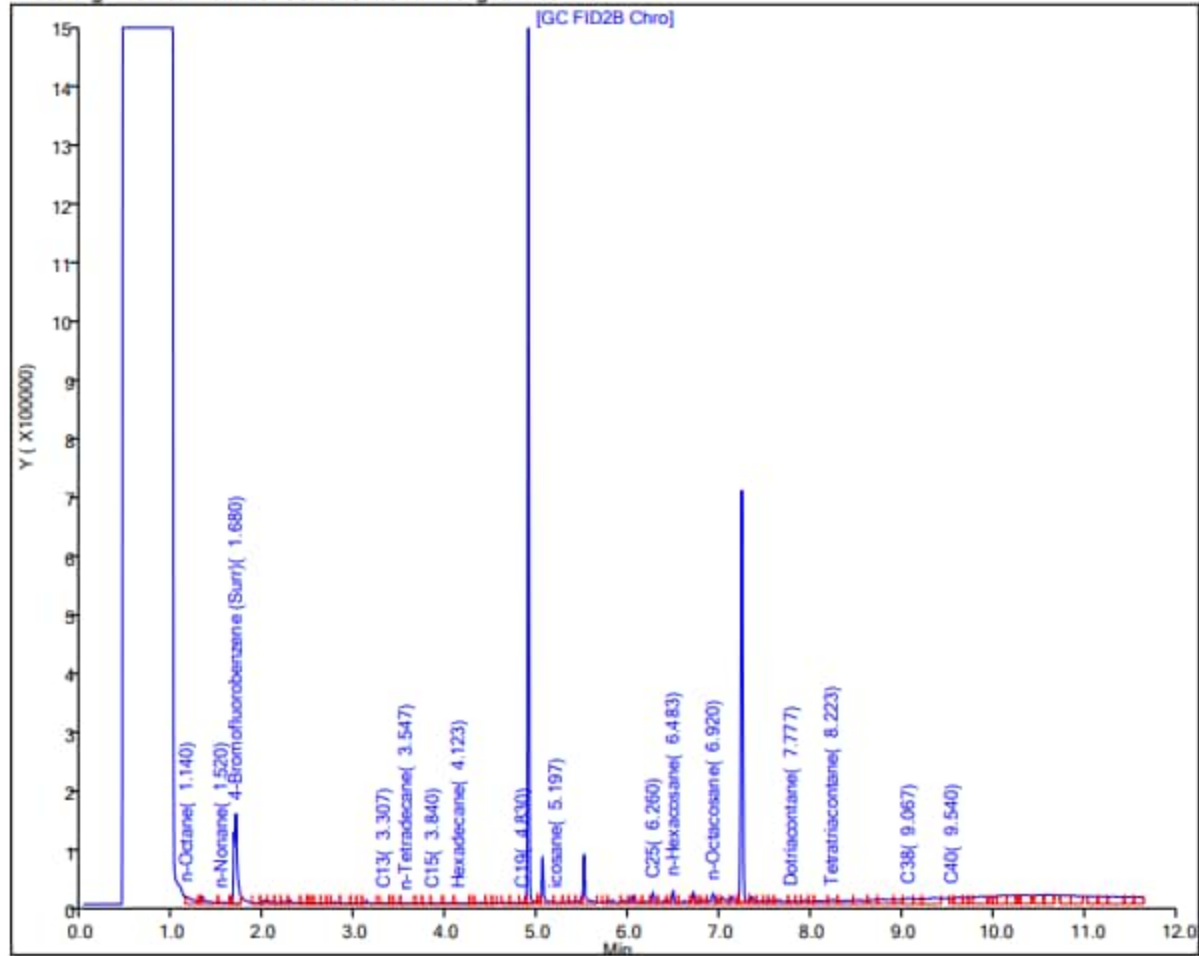
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-122061-1

Sample ID: RHMW01R-WGN01B-2301WK2, RHMW02-WGN01B-2301WK2, RHMW03-WGN01B-2301WK2, RHMW05-WGN01B-2301WK2, RHMW11-05-WGN01G-2301WK2, RHMW12A-WGN01LF-2301WK2, RHMW16-WGN01LF-2301WK2

Sample Date: 1/10/23

Lab: Eurofins Seattle

Report Date: 18-Jan-2023 09:32:40

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230117-86717.b\0117a23A021.D

Injection Date: 18-Jan-2023 00:35:20

Instrument ID: TAC129_R

Lims ID: MB 580-415581/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 40

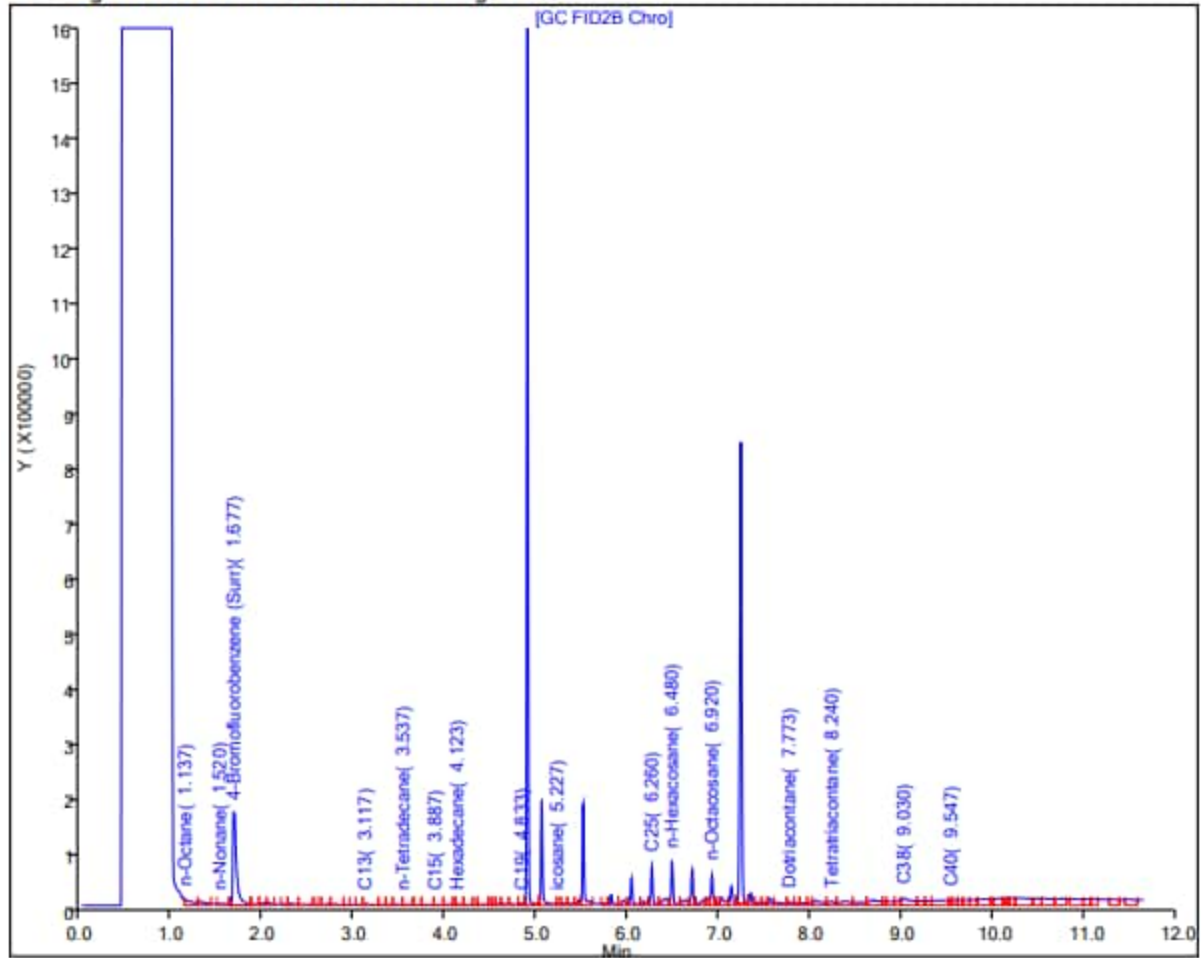
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



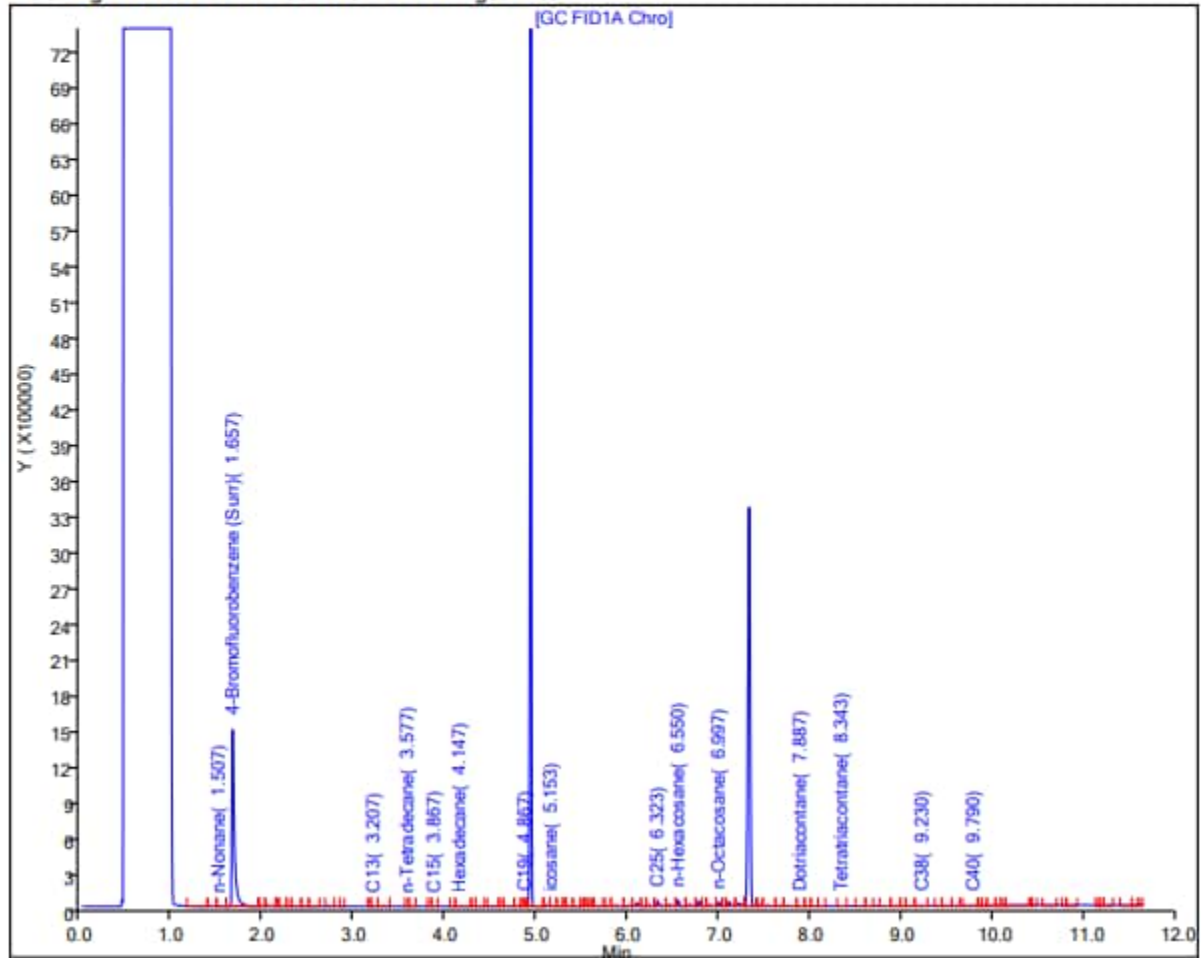
Method Blank Associated with SDG 580-122214-1

Sample ID: ADIT3-SUMP-WGN01B-2301WK2, RHMW2254-01-WGN01B-2301WK2, RHMW2254-01-WGN01LF-2301WK2, OWDFMW01-WGN01LF-2301WK2, RHMW14-03-WGN01G-2301WK2, RHMW17-WGN01B-2301WK2

Sample Date: 1/11/23, 1/12/23

Lab: Eurofins Seattle

Report Date: 26-Jan-2023 08:13:18 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230125-86822.b\012523A034.D
Injection Date: 26-Jan-2023 00:03:00 Instrument ID: TAC129
Lims ID: MB 580-415737/1-B
Client ID:
Operator ID: CC ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TPH-TAC129Front Limit Group: 8015B-D DRO ICAL CA and HW ranges
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-122145-1

Sample ID: OWDFMW04A-WGFD01LF-2301WK2, OWDFMW04A-WGN01LF-2301WK2, OWDFMW05A-WGN01LF-2301WK2, RHMW13-05-WGN01G-2301WK2

Sample Date: 1/11/23

Lab: Eurofins Seattle

Report Date: 23-Jan-2023 15:25:05

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_004.D

Injection Date: 23-Jan-2023 11:05:07

Instrument ID: TAC020

Lims ID: MB 580-415841/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul

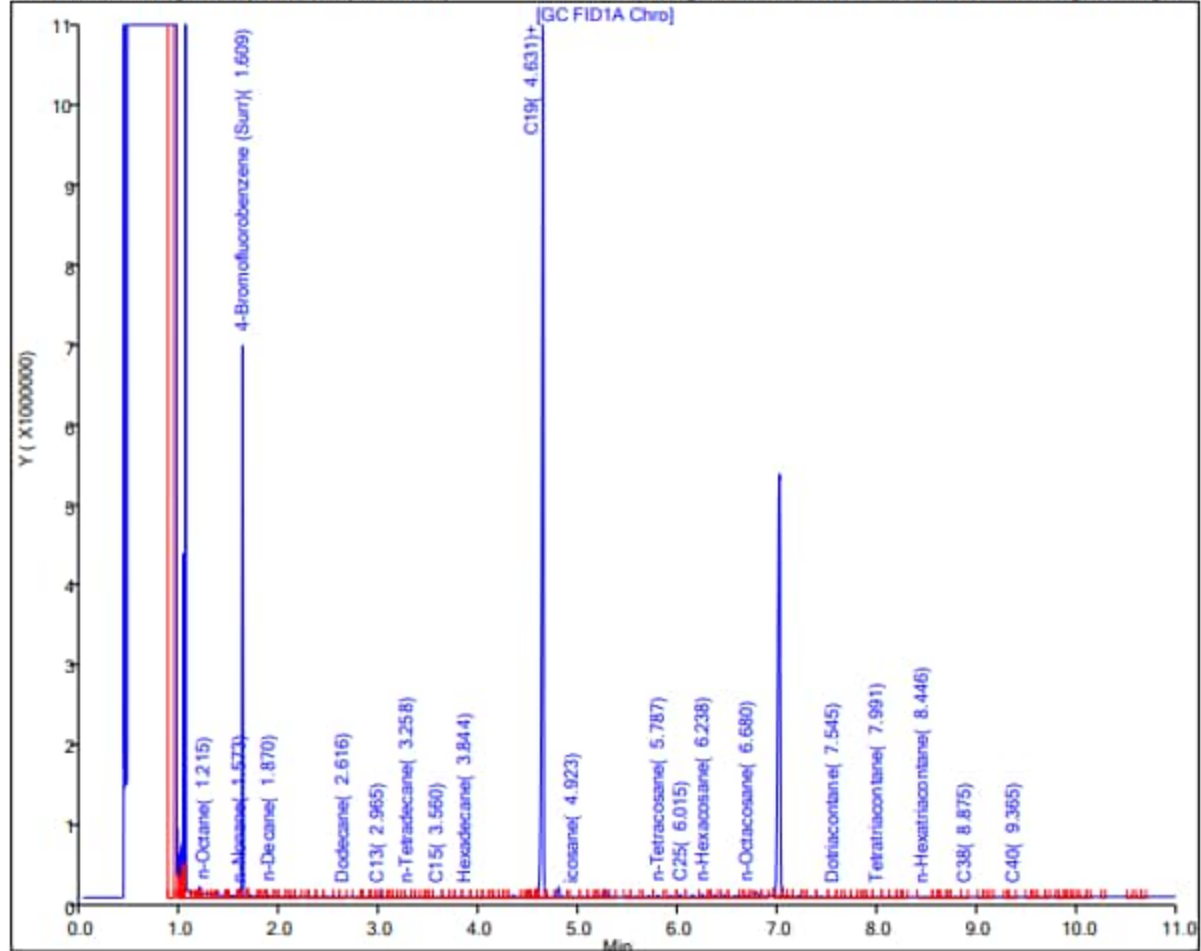
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-12282-1

Sample ID: OWDFMW07A-WGN01LF-2301WK3, OWDFMW08A-WGFD01LF-2301WK3, OWDFMW08A-WGN01LF-2301WK3, RHMW09-WGN01B-2301WK3, RHMW15-05-WGN01G-2301WK3, RHMW19-WGN01B-2301WK3

Sample Date: 1/16/23

Lab: Eurofins Seattle

Report Date: 24-Jan-2023 08:31:43

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_059.D

Injection Date: 24-Jan-2023 05:35:13

Instrument ID: TAC020

Lims ID: MB 580-416037/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 59

Injection Vol: 1.0 ul

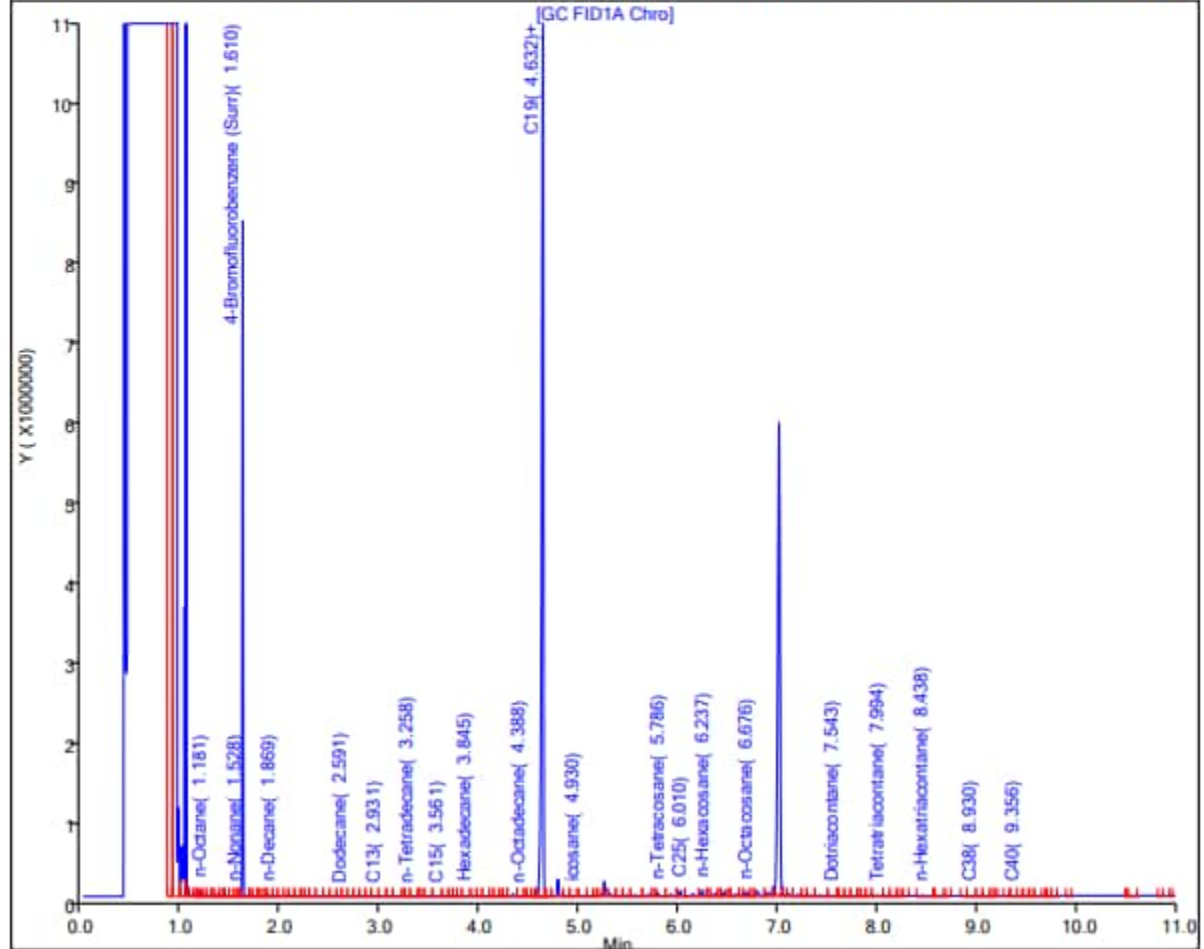
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-122355-1

Sample ID: RHMW11-05-WGN01G-2301WK3

Sample Date: 1/17/23

Lab: Eurofins Seattle

Report Date: 08-Feb-2023 09:15:08

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230207-86982.b\0207a23A055.D

Injection Date: 07-Feb-2023 18:58:16

Instrument ID: TAC129_R

Lims ID: MB 580-417236/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

34

Injection Vol: 1.0 uL/L

Dil. Factor:

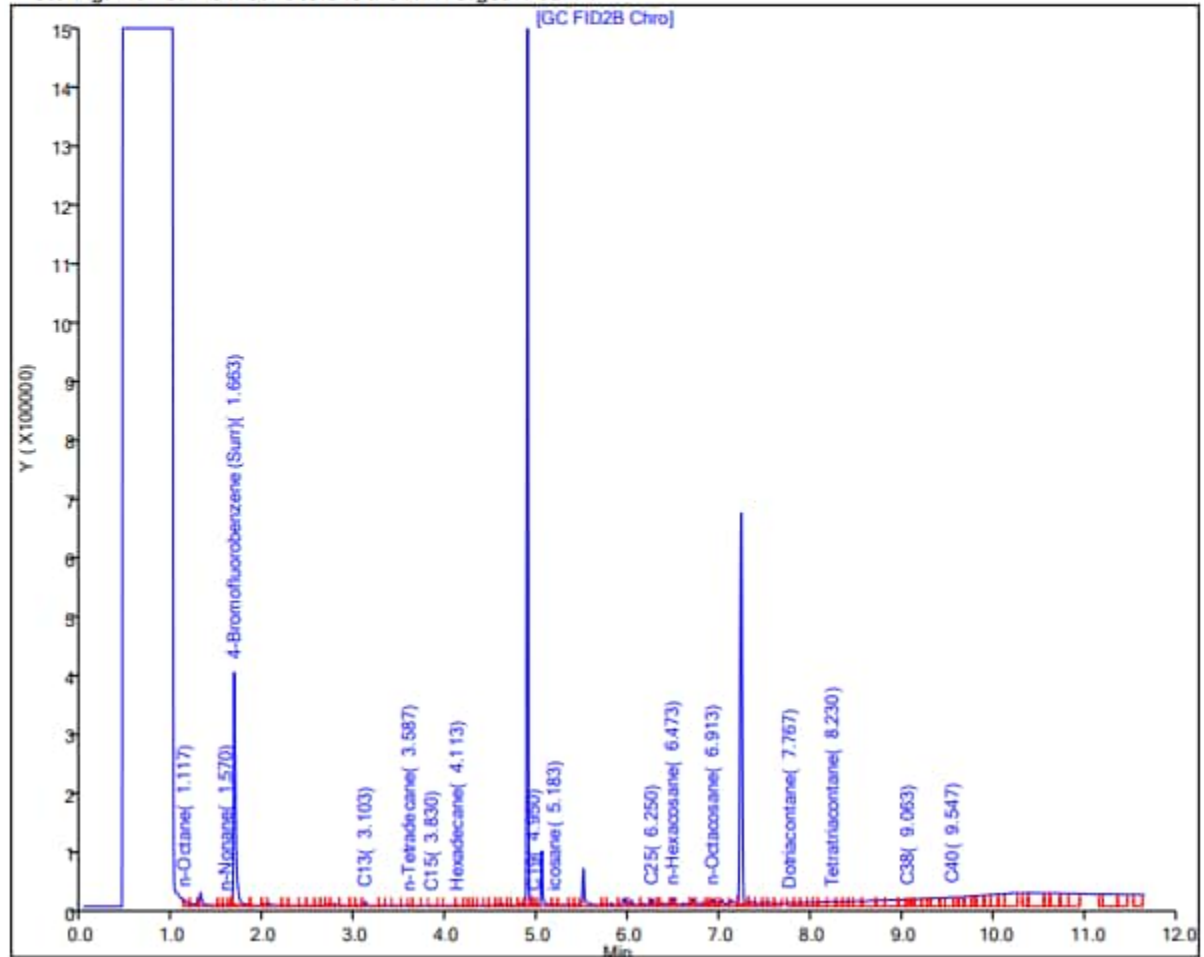
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-122420-1

Sample ID: RHMW01R-WGN01B-2301WK3, RHMW02-WGN01B-2301WK3, RHMW03-WGN01B-2301WK3, RHMW05-WGN01B-2301WK3, RHMW12A-WGN01LF-2301WK3, RHMW16-WGN01LF-2301WK3

Sample Date: 1/17/23

Lab: Eurofins Seattle

Report Date: 08-Feb-2023 09:15:08

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230207-86982.b\0207a23A055.D

Injection Date: 07-Feb-2023 18:58:16

Instrument ID: TAC129_R

Lims ID: MB 580-417236/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#: 34

Injection Vol: 1.0 uL/L

Dil. Factor:

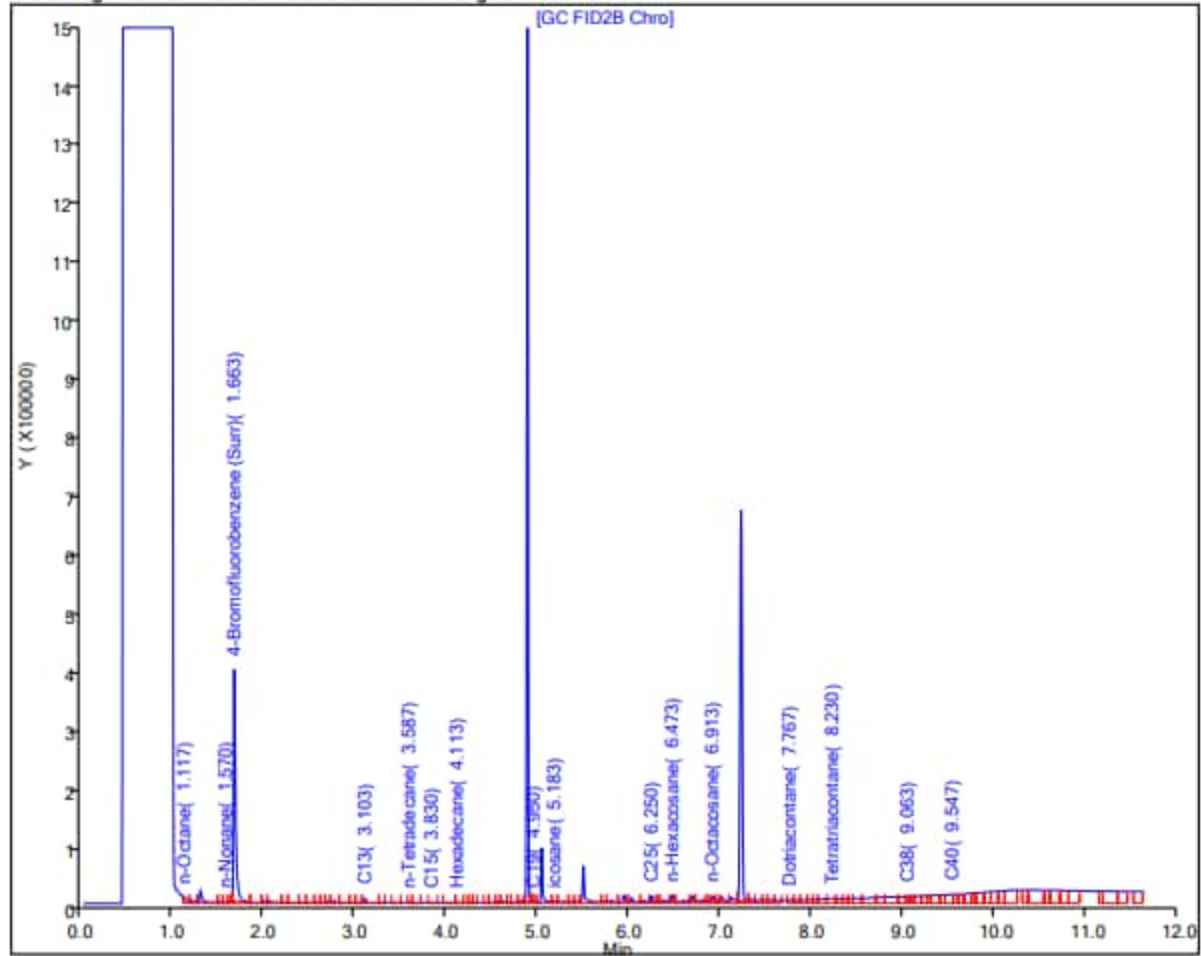
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-122498-1

Sample ID: ADIT3-SUMP-WGN01B-2301WK3, RHMW2254-01-WGN01B-2301WK3, RHMW2254-01-WGN01LF-2301WK3, OWDFMW01-WGN01LF-2301WK3, RHMW14-03-WGN01G-2301WK3, RHMW17-WGN01B-2301WK3

Sample Date: 1/18/23, 1/19/23

Lab: Eurofins Seattle

Report Date: 31-Jan-2023 11:44:39

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230130-86859.b\013023_009.D

Injection Date: 30-Jan-2023 11:41:03

Instrument ID: TAC020

Lims ID: MB 580-416465/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul

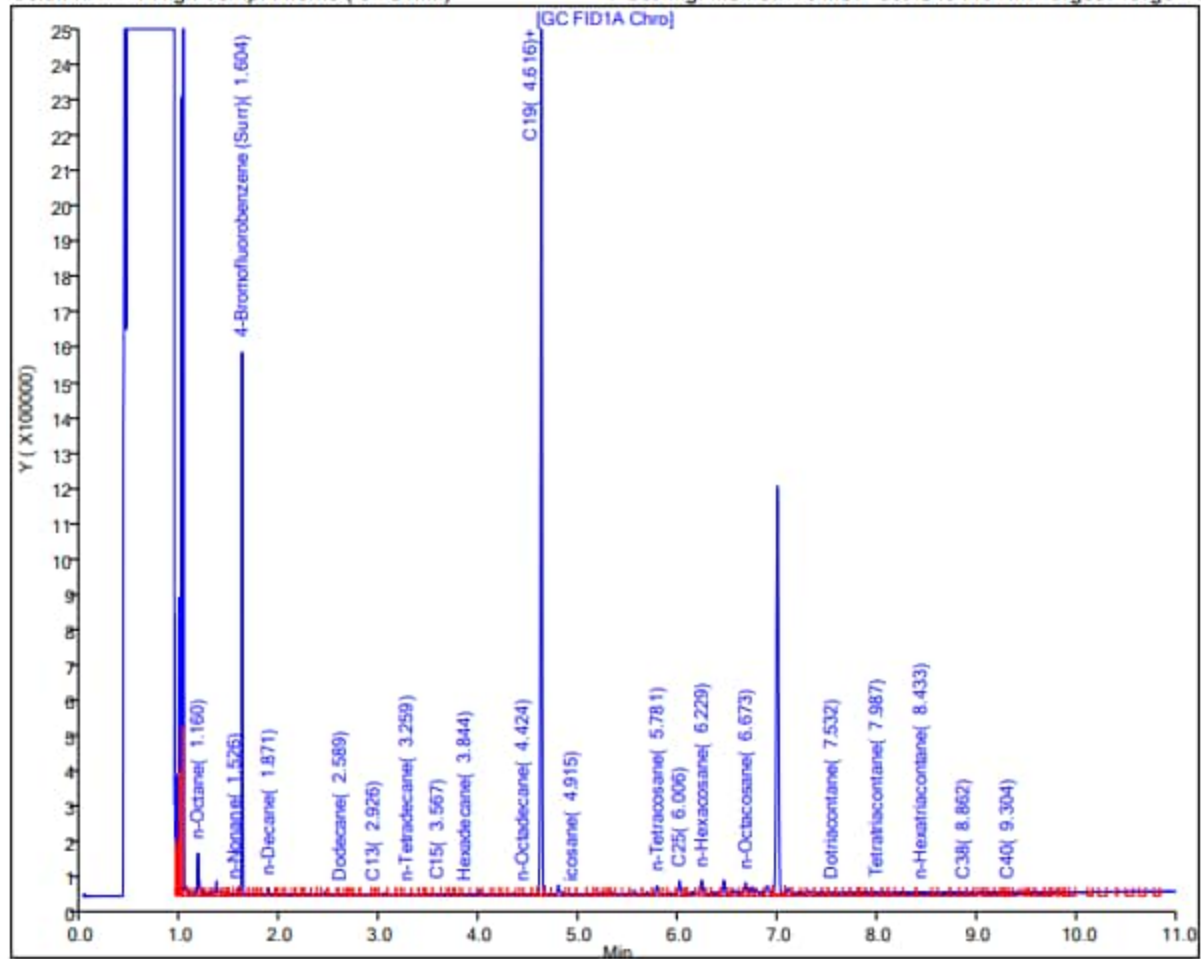
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-122415-1

Sample ID: OWDFMW04A-WGFD01LF-2301WK3, OWDFMW04A-WGN01LF-2301WK3, OWDFMW05A-WGN01LF-2301WK3, RHMW13-05-WGN01G-2301WK3

Sample Date: 1/18/23

Lab: Eurofins Seattle

Report Date: 27-Jan-2023 10:14:32

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230126-86830.b\0126a23A018.D

Injection Date: 26-Jan-2023 16:57:10

Instrument ID: TAC129

Lims ID: MB 580-416246/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#: 9

Injection Vol: 1.0 ul

Dil. Factor:

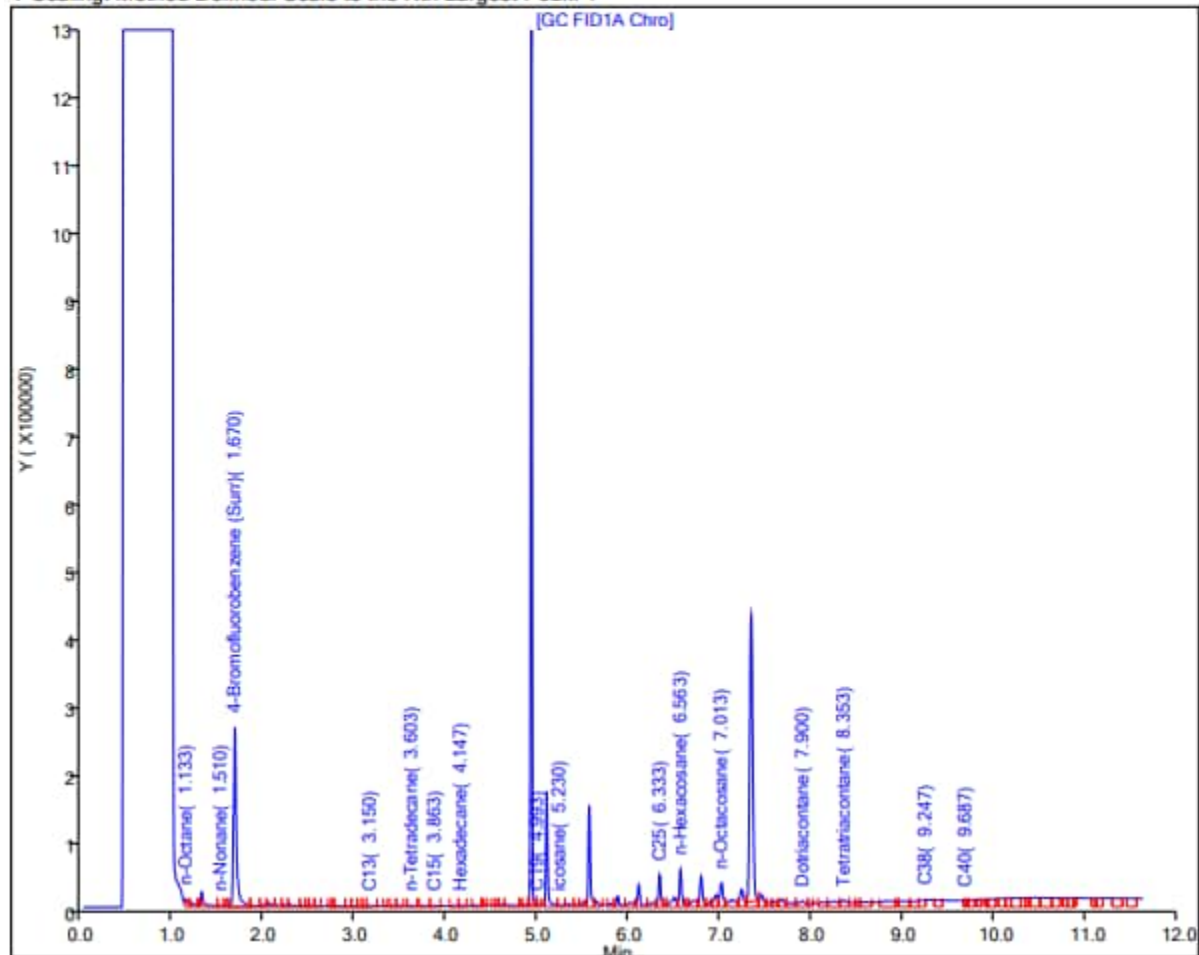
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-122588-1

Sample ID: OWDFMW07A-WGN01LF-2301WK4, OWDFMW08A-WGFD01LF-2301WK4, OWDFMW08A-WGN01LF-2301WK4, RHMW15-05-WGN01G-2301WK4

Sample Date: 1/23/23

Lab: Eurofins Seattle

Report Date: 30-Jan-2023 09:42:46

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230127-86843.b\0127b23A008.D

Injection Date: 27-Jan-2023 17:45:53

Instrument ID: TAC129

Lims ID: MB 580-416365/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 33

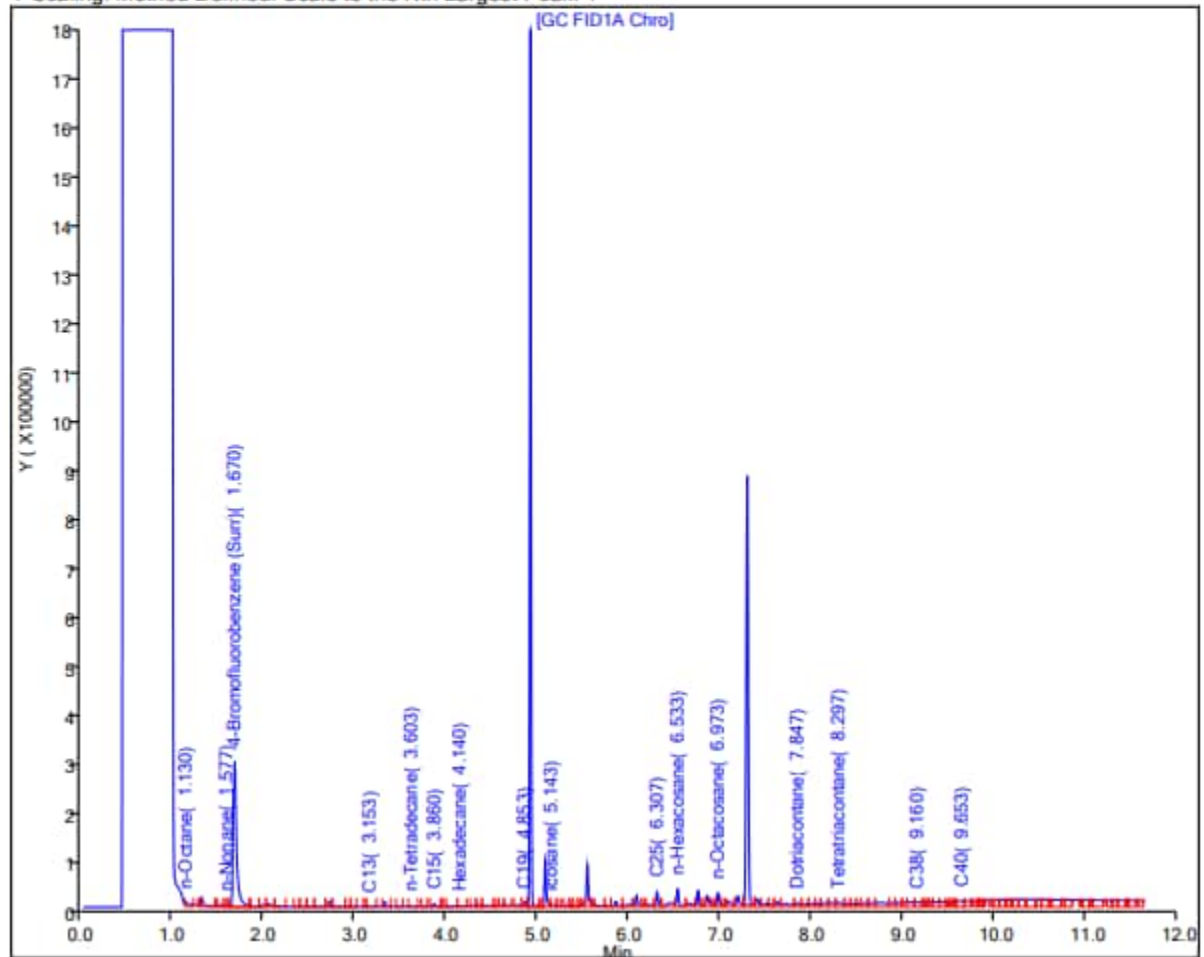
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-122632-1

Sample ID: RHMW09-WGN01B-2301WK4, RHMW19-WGN01B-2301WK4, OWDFMW04A-WGFD01LF-2301WK4, OWDFMW04A-WGN01LF-2301WK4, OWDFMW05A-WGN01LF-2301WK4

Sample Date: 1/23/23, 1/24/23

Lab: Eurofins Seattle

Report Date: 07-Feb-2023 11:18:15

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230206-86958.b\020623_031.D

Injection Date: 06-Feb-2023 19:37:16

Instrument ID: TAC020

Lims ID: MB 580-416763/1-B

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

31

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

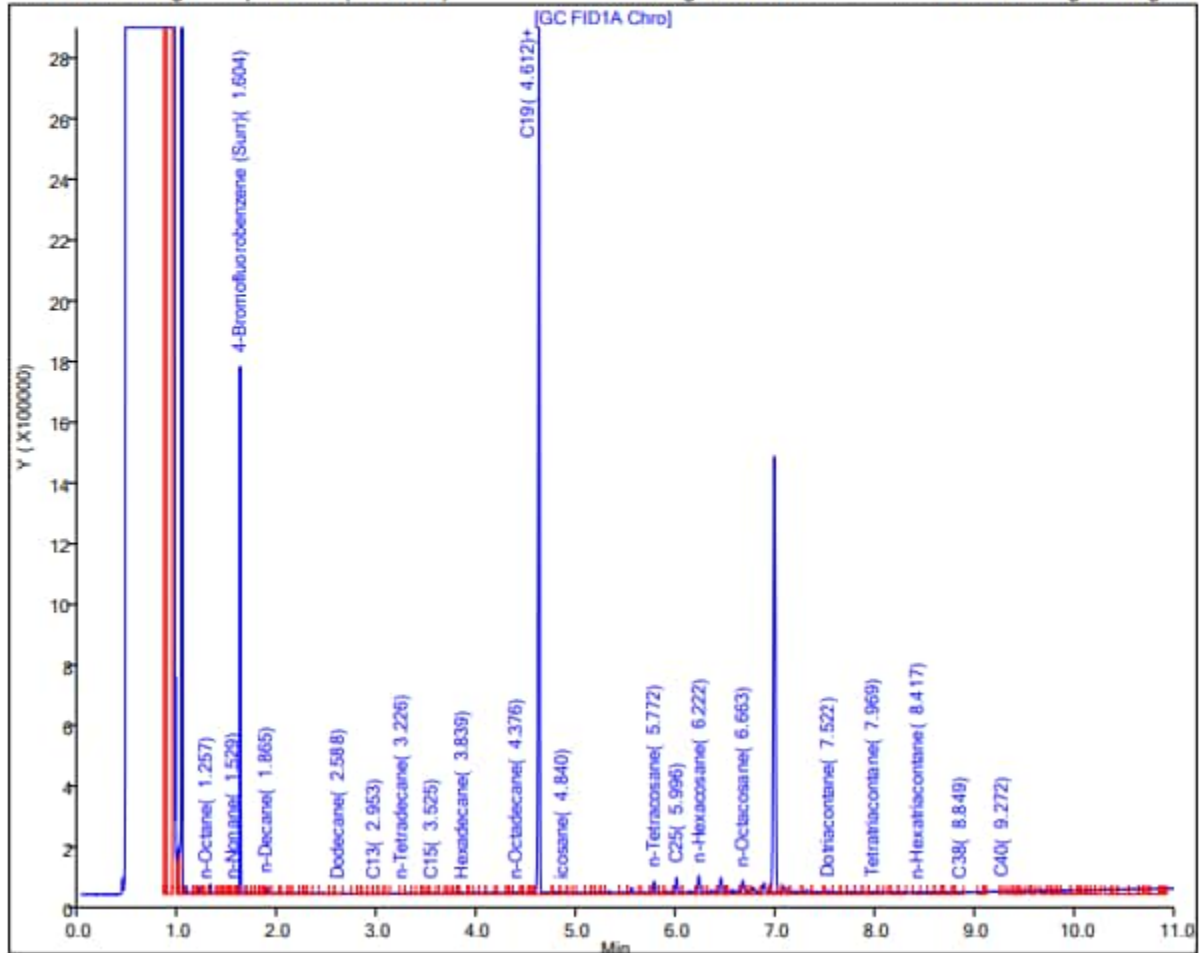
Method: TPH-Front_TAC020

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-122714-1

Sample ID: RHMW01R-WGN01B-2301WK4, RHMW02-WGN01B-2301WK4, RHMW03-WGN01B-2301WK4, RHMW05-WGN01B-2301WK4, RHMW11-05-WGN01G-2301WK4

Sample Date: 1/24/23

Lab: Eurofins Seattle

Report Date: 01-Feb-2023 10:52:51

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230131-86877.b\013123_025.D

Injection Date: 31-Jan-2023 17:52:58

Instrument ID: TAC020

Lims ID: MB 580-416560/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#: 25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

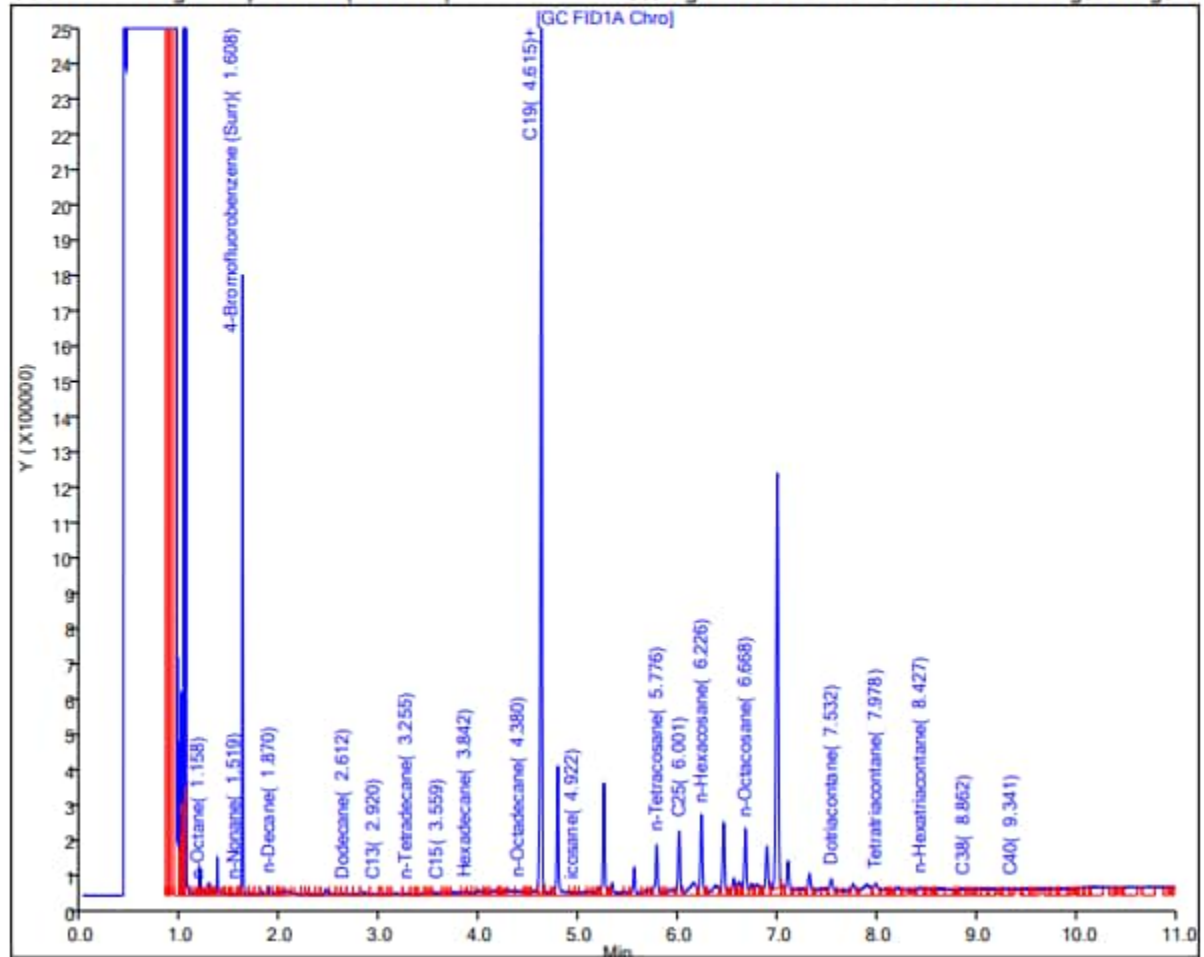
Method: TPH-Front_TAC020

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-122700-1

Sample ID: RHMW12A-WGN01LF-2301WK4, RHMW13-05-WGN01G-2301WK4, RHMW16-WGN01LF-2301WK4

Sample Date: 1/25/23

Lab: Eurofins Seattle

Report Date: 01-Feb-2023 10:52:51

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230131-86877.b\013123_025.D

Injection Date: 31-Jan-2023 17:52:58

Instrument ID: TAC020

Lims ID: MB 580-416560/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

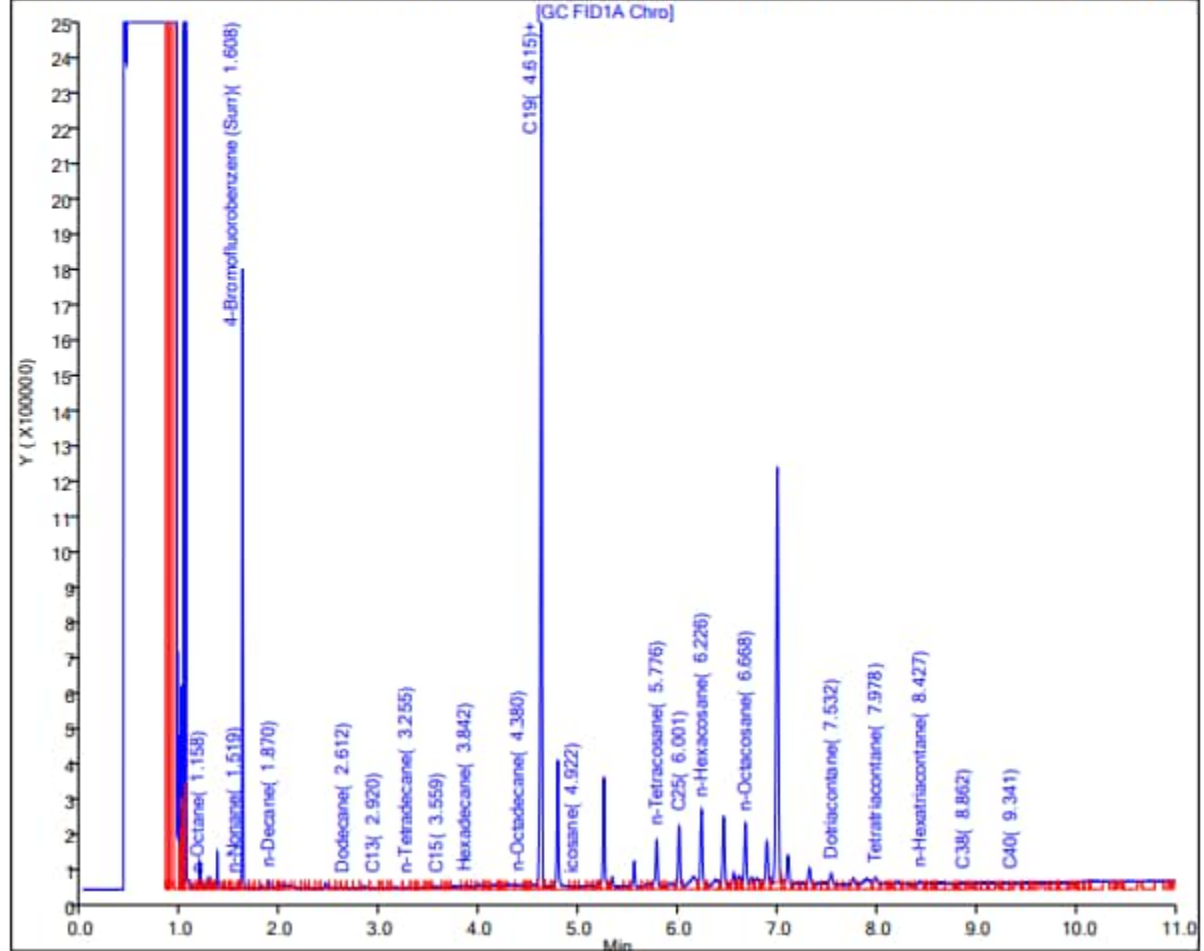
Method: TPH-Front_TAC020

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-122762-1

Sample ID: OWDFMW01-WGN01LF-2301WK4, RHMW14-03-WGN01G-2301WK4

Sample Date: 1/26/23

Lab: Eurofins Seattle

Report Date: 03-Feb-2023 08:34:55

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230202-86915.b\020223A022.D

Injection Date: 02-Feb-2023 12:51:28

Instrument ID: TAC129

Lims ID: MB 580-416763/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 13

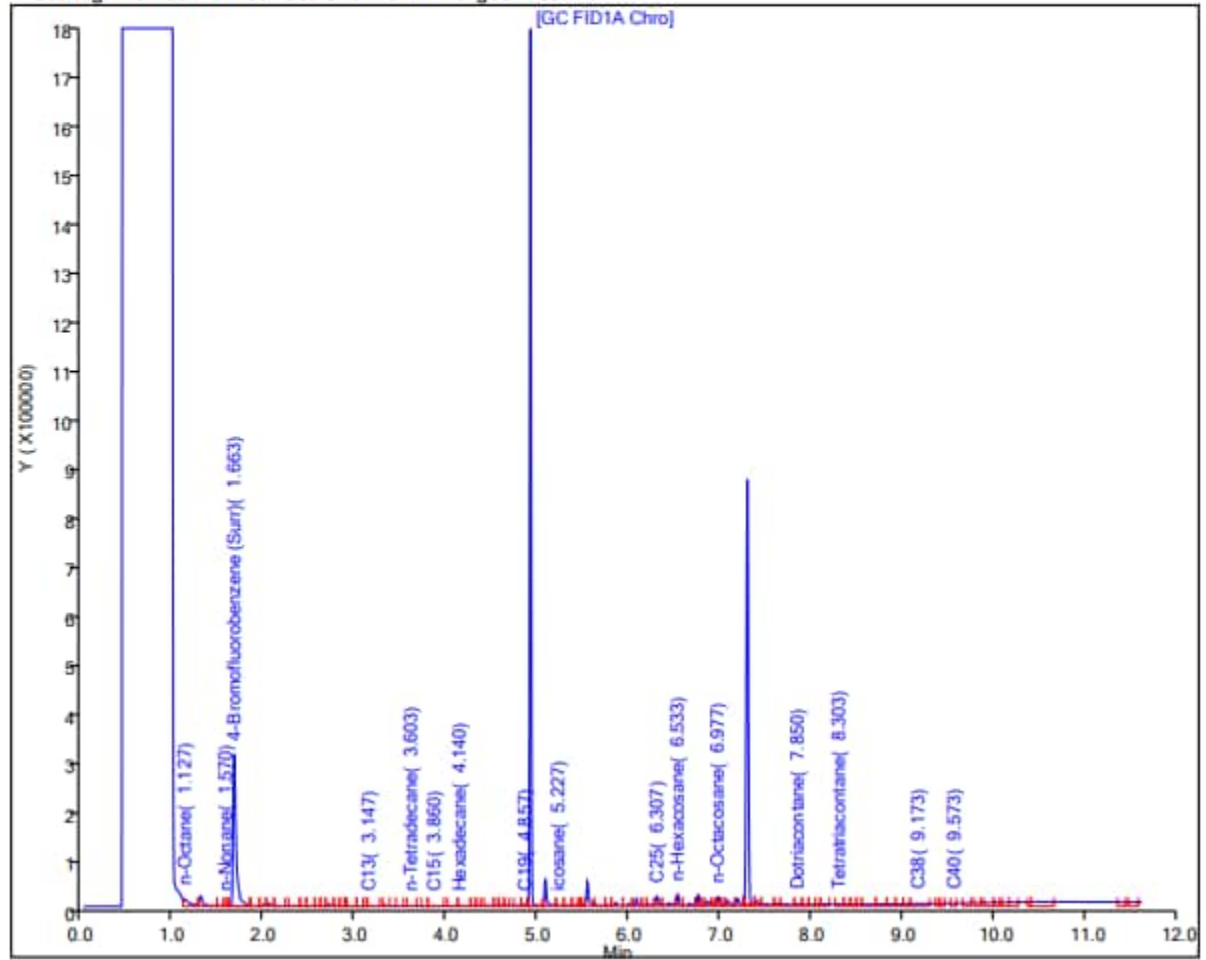
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-122801-1

Sample ID: ADIT3-SUMP-WGN01B-2301WK4, RHMW17-WGN01B-2301WK4, RHMW2254-01-WGN01B-2301WK4, RHMW2254-01-WGN01LF-2301WK4

Sample Date: 1/26/23

Lab: Eurofins Seattle

Report Date: 03-Feb-2023 08:34:55

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230202-86915.b\020223A022.D

Injection Date: 02-Feb-2023 12:51:28

Instrument ID: TAC129

Lims ID: MB 580-416763/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

13

Injection Vol: 1.0 ul

Dil. Factor:

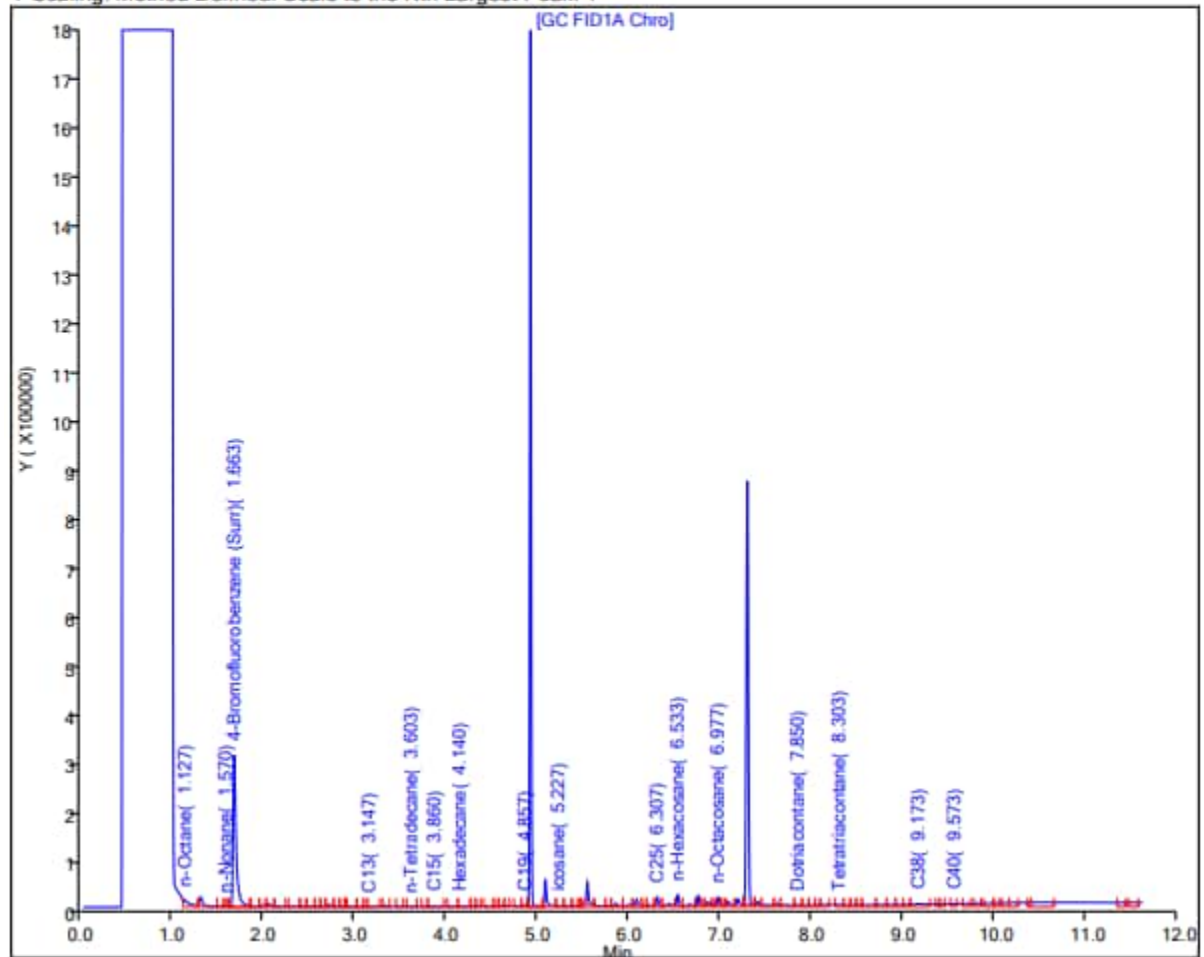
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-123477-1

Sample ID:
OWDFMW07A-WGN01LF-2302WK2, RHMW15-05-WGN01G-2302WK2

Sample Date: 2/13/2023

Lab: Eurofins Seattle

Report Date: 17-Feb-2023 08:23:57

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230216-87126.b\0216a23A041.D

Injection Date: 16-Feb-2023 20:47:46

Instrument ID: TAC129_R

Lims ID: MB 580-418134/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 21

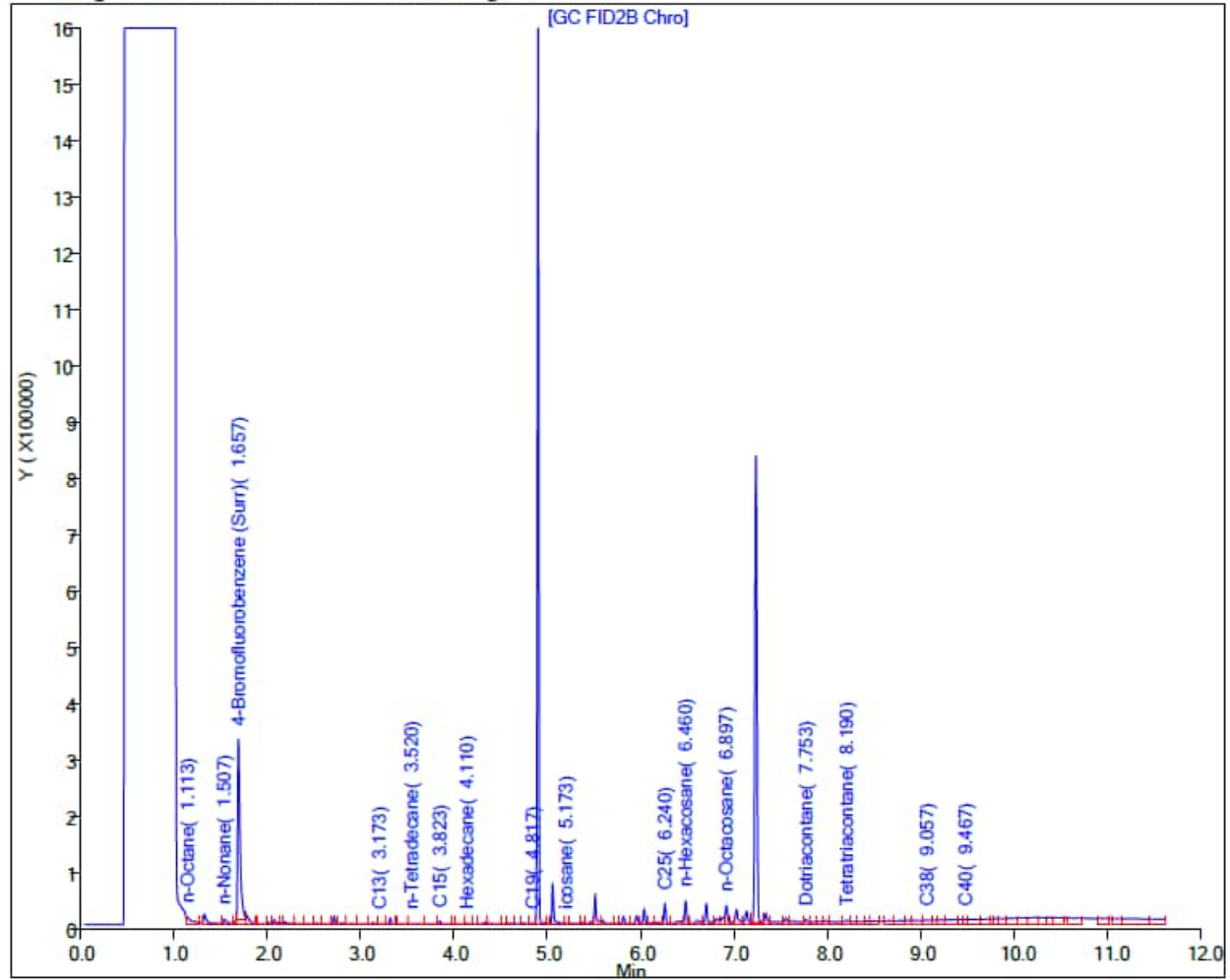
Injection Vol: 1.0 uL/L

Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-23563-1

Sample ID: OWDFMW08A-WGFD01LF-2302WK2, OWDFMW08A-WGN01LF-2302WK2, RHMW09-WGN01B-2302WK2, RHMW19-WGN01B-2302WK2, RHMW12A-WGN01LF-2302WK2, RHMW16-WGN01LF-2302WK2

Sample Date: 2/13/2023, 2/14/2023

Lab: Eurofins Seattle

Report Date: 20-Feb-2023 09:45:53

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230217-87149_b\021723A019.D

Injection Date: 17-Feb-2023 16:28:13

Instrument ID: TAC129_R

Lims ID: MB 580-418238/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#: 5

Injection Vol: 1.0 uL

Dil. Factor:

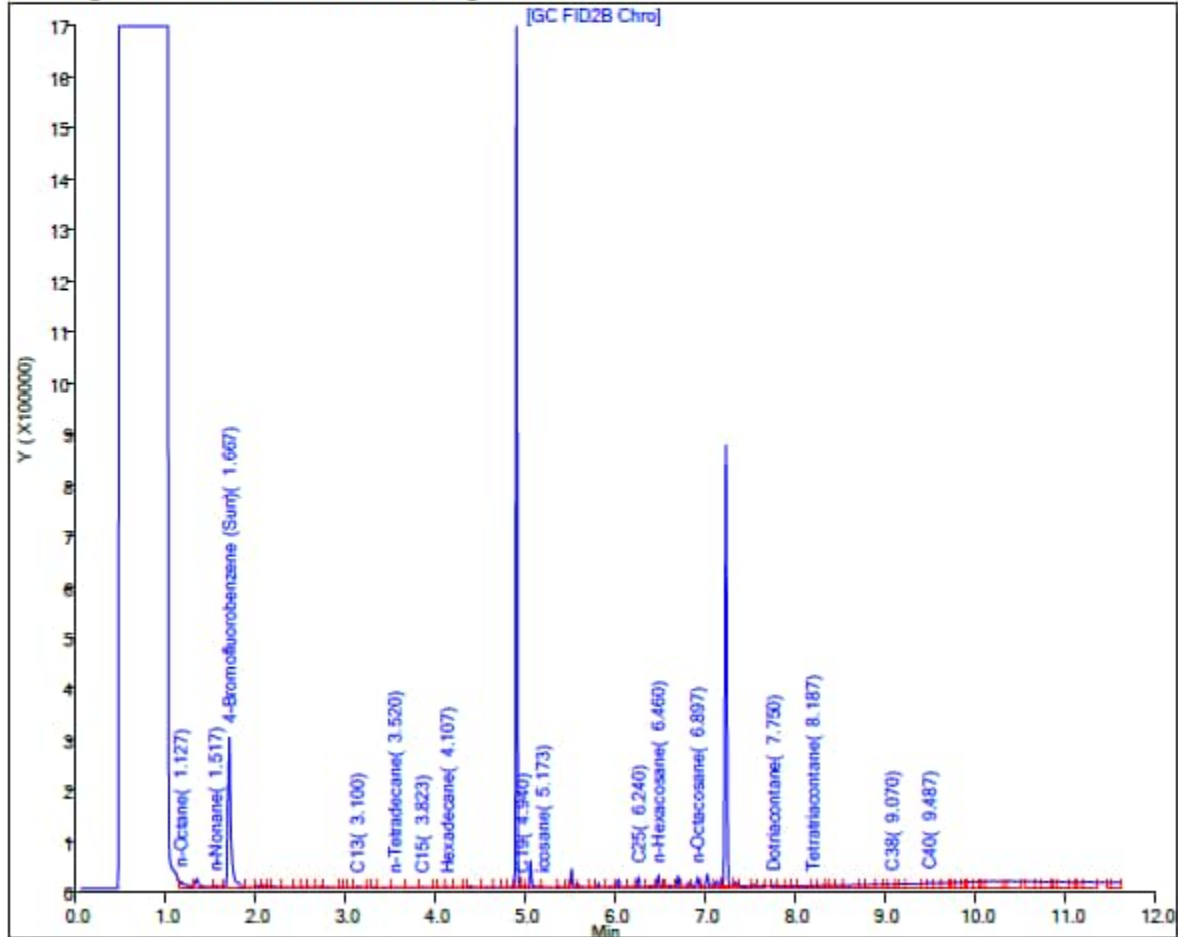
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-123676-1

Sample ID: ADIT3-SUMP-WGN01B-2302WK2, RHMW2254-01-WGN01B-2302WK2, RHMW2254-01-WGN01LF-2302WK2, RHMW14-03-WGN01G-2302WK2

Sample Date: 2/15/2023, 2/16/2023

Lab: Eurofins Seattle

Report Date: 21-Feb-2023 08:27:02

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC020\20230220-87172.b\0220a23_005.D

Injection Date: 20-Feb-2023 19:12:18

Instrument ID: TAC020

Lims ID: MB 580-418362/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 15

Injection Vol: 1.0 ul

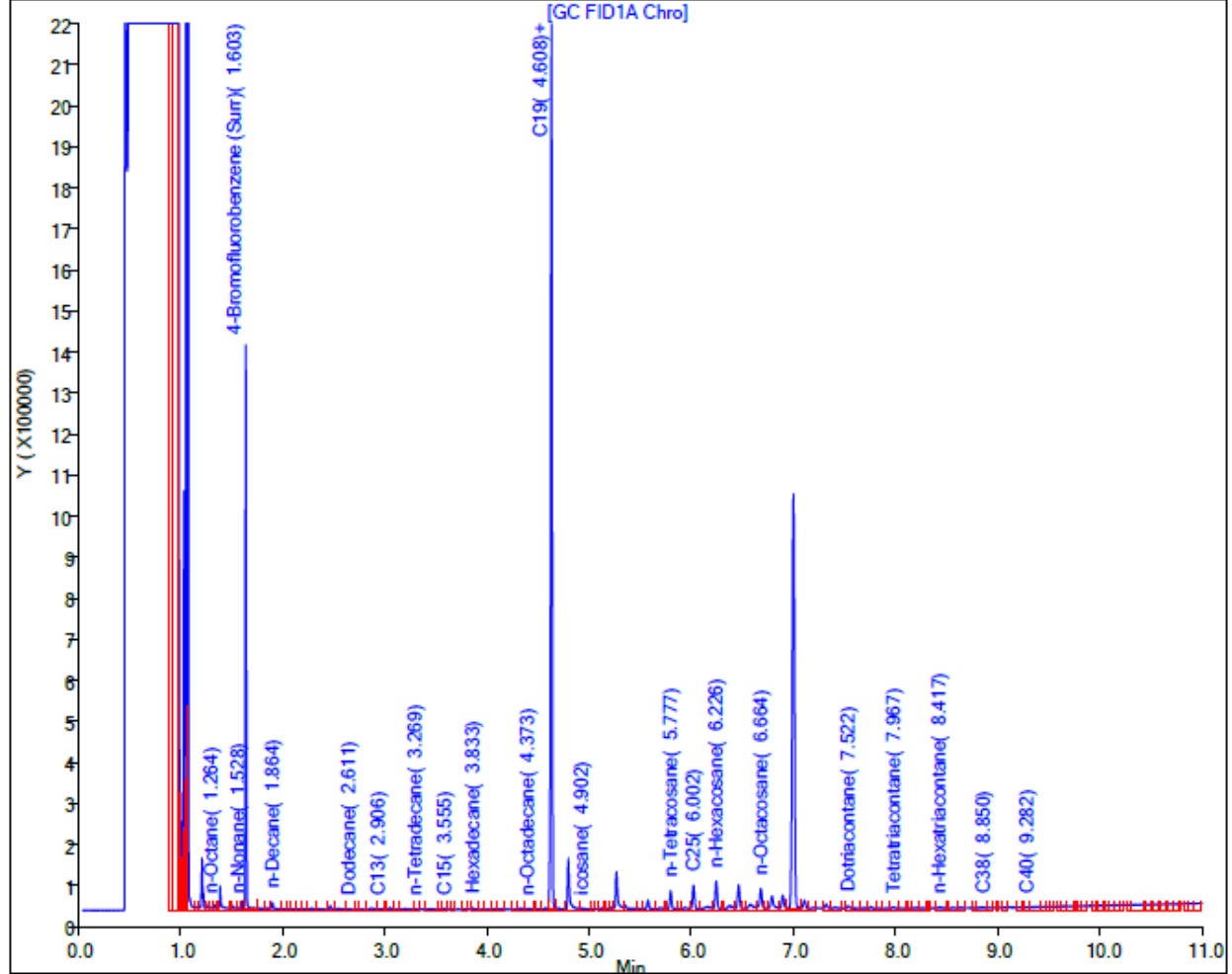
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-123713-1

Sample ID: OWDFMW01-WGN01LF-2302WK2, RHMW04-WGFD01B-2302WK2, RHMW04-WGN01B-2302WK2, RHMW06-WGN01B-2302WK2, RHMW08-WGN01B-2302WK2, RHMW17-WGN01B-2302WK2

Sample Date: 2/16/2023

Lab: Eurofins Seattle

Report Date: 02-Mar-2023 09:44:32

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230301-87303.b\030123_033.D

Injection Date: 02-Mar-2023 05:41:34

Instrument ID: TAC020

Lims ID: MB 580-418601/1-B

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

33

Injection Vol: 1.0 ul

Dil. Factor:

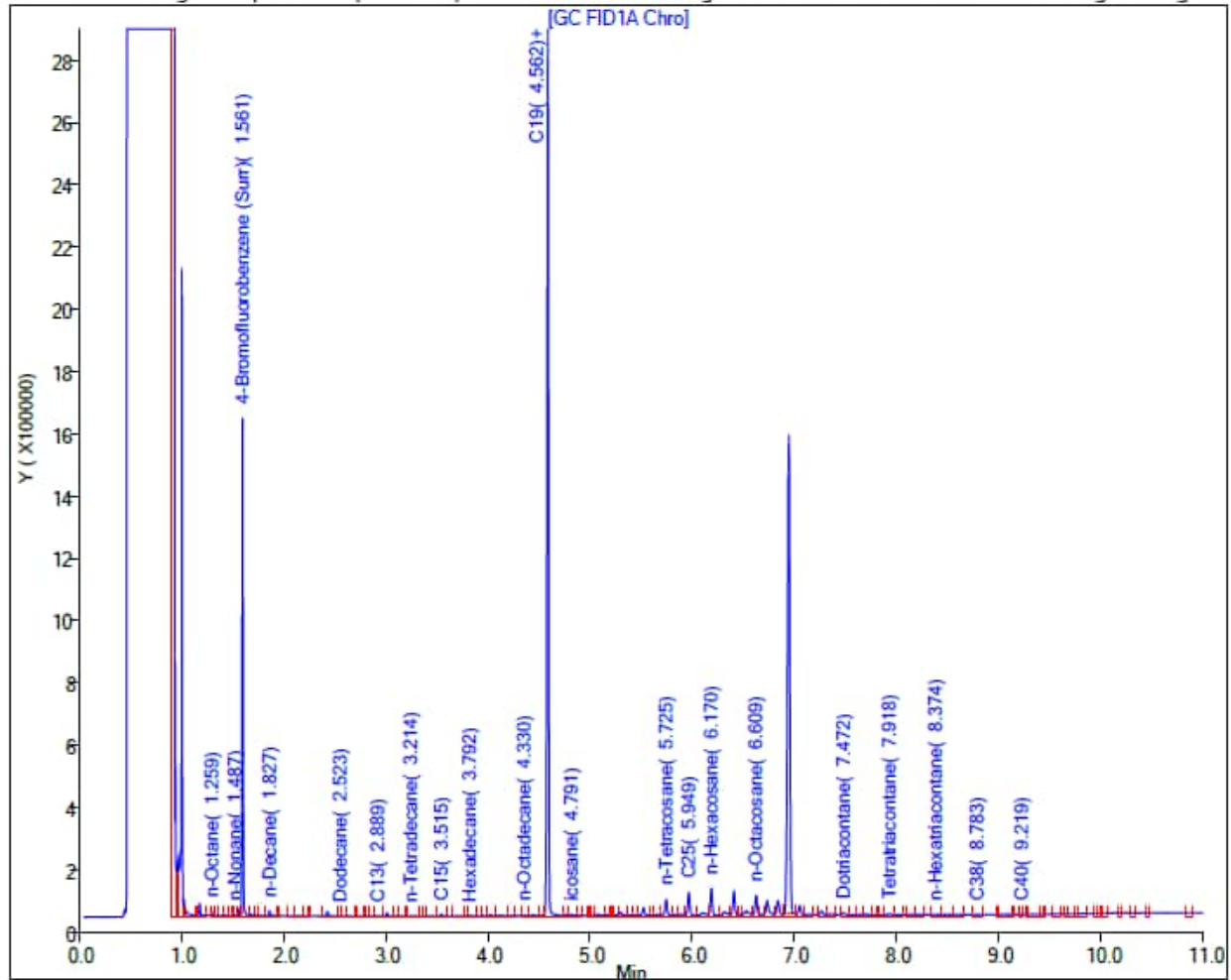
1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-123852-1

Sample ID: RHMW15-05-WGN01G-2302WK3, RHMW11-05-WGN01G-2302WK3

Sample Date: 2/20/2023, 2/21/2023

Lab: Eurofins Seattle

Report Date: 28-Feb-2023 10:01:48

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129\20230227-87261.b\022723A046.D

Injection Date: 28-Feb-2023 00:40:42

Instrument ID: TAC129

Lims ID: MB 580-418728/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 23

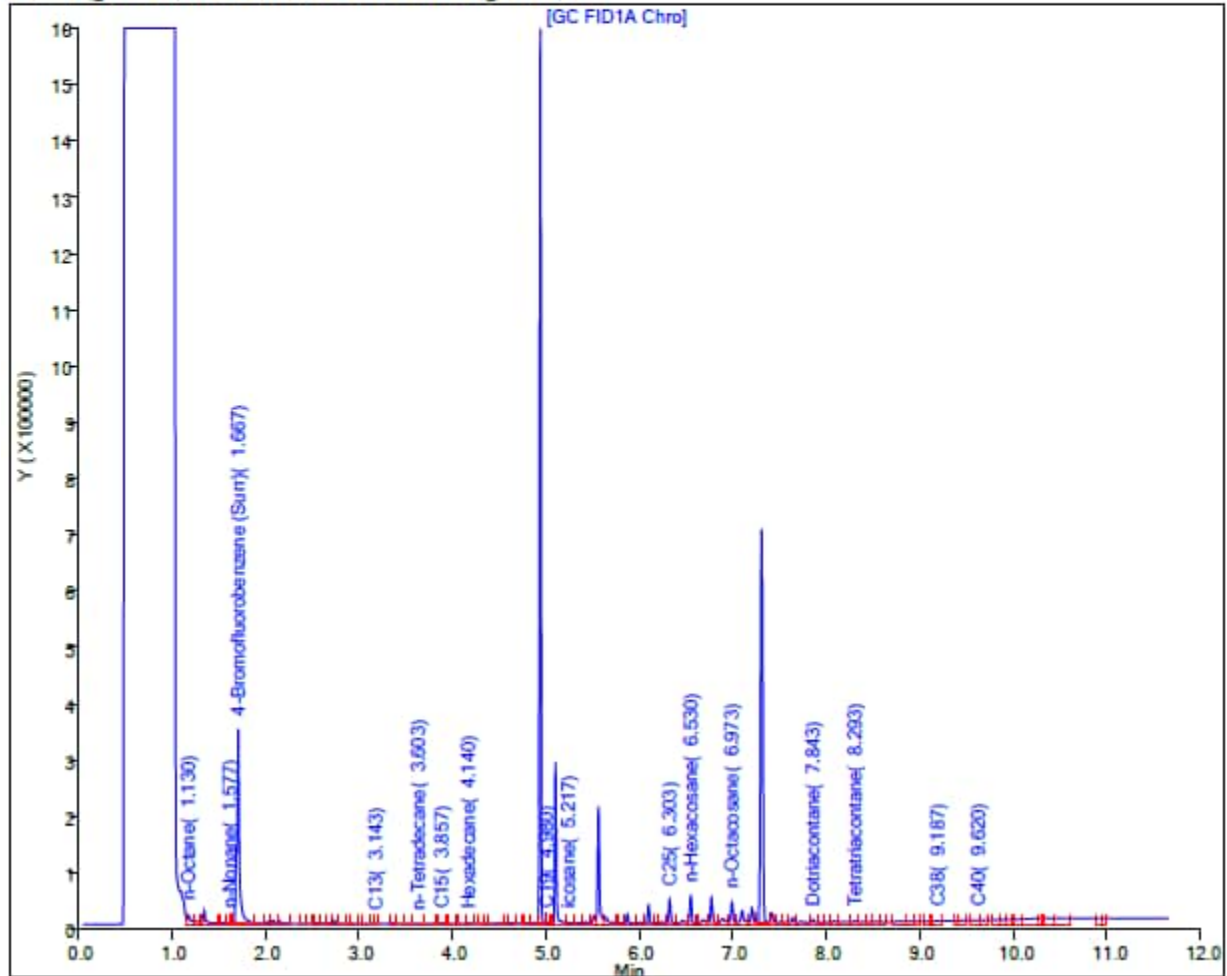
Injection Vol: 1.0 uL

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-123942-1

Sample ID: ADIT3-SUMP-WGN01B-2302WK3, RHMW2254-01-WGN01B-2302WK3, RHMW2254-01-WGN01LF-2302WK3, RHMW04-WGFD01B-2302WK3, RHMW04-WGN01B-2302WK3, RHMW06-WGN01B-2302WK3, RHMW08-WGN01B-2302WK3, RHMW14-03-WGN01G-2302WK3
Sample Date: 2/22/2023, 2/23/2023

Lab: Eurofins Seattle

Report Date: 01-Mar-2023 14:24:05

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230228-87273.b\022823A063.D

Injection Date: 28-Feb-2023 22:18:29

Instrument ID: TAC129_R

Lims ID: MB 580-418950/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

32

Injection Vol: 1.0 uL

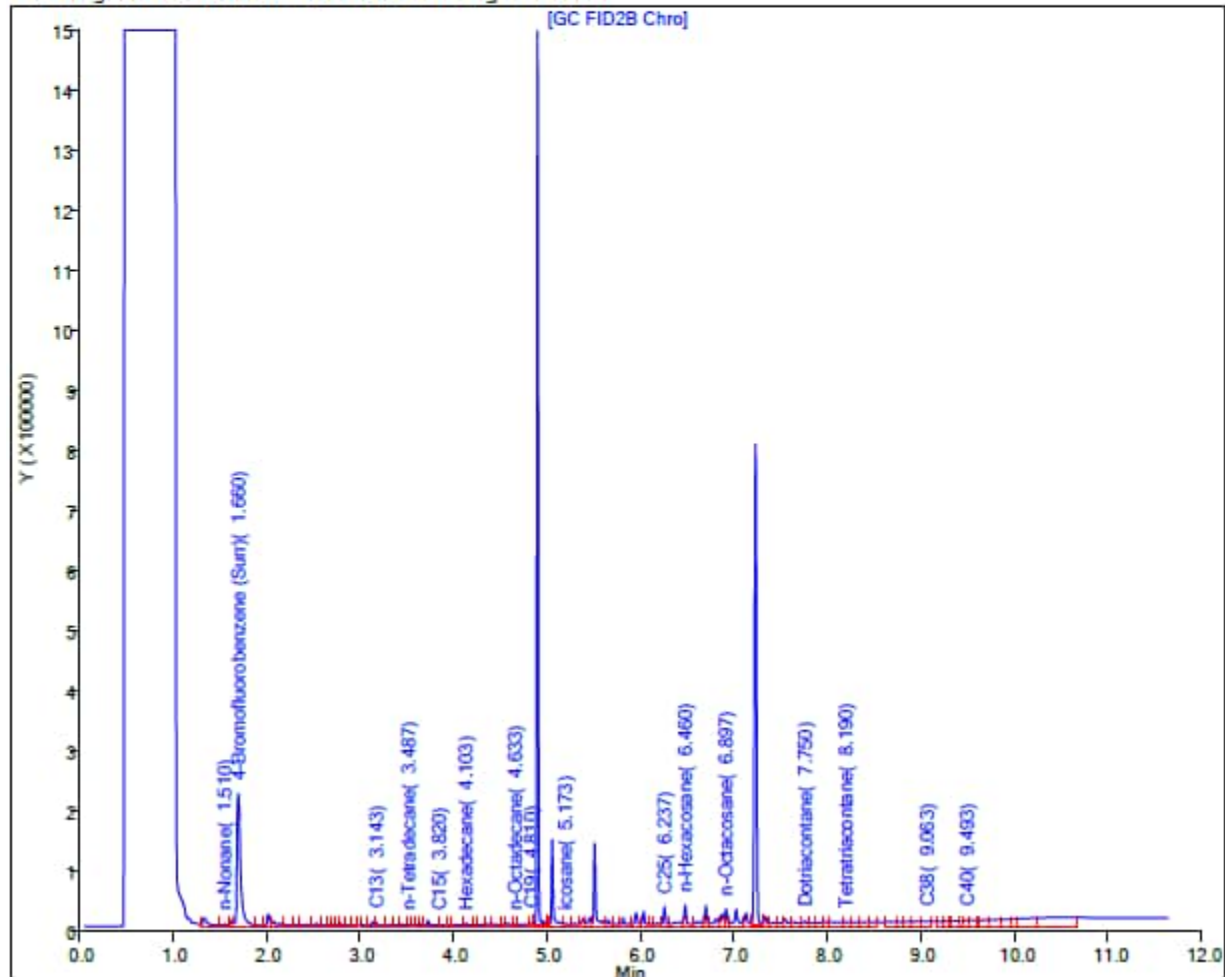
Dil. Factor: 1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-123967-1

Sample ID: OWDFMW01-WGN01LF-2302WK3, RHMW17-WGN01B-2302WK3, OWDFMW07A-WGN01LF-2302WK3, OWDFMW08A-WGFD01LF-2302WK3, OWDFMW08A-WGN01LF-2302WK3

Sample Date: 2/23/2023, 2/24/2023

Lab: Eurofins Seattle

Report Date: 01-Mar-2023 20:56:47

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\0301a23A026.D

Injection Date: 01-Mar-2023 18:38:14

Instrument ID: TAC129

Lims ID: MB 580-419202/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#: 60

Injection Vol: 1.0 uL

Dil. Factor:

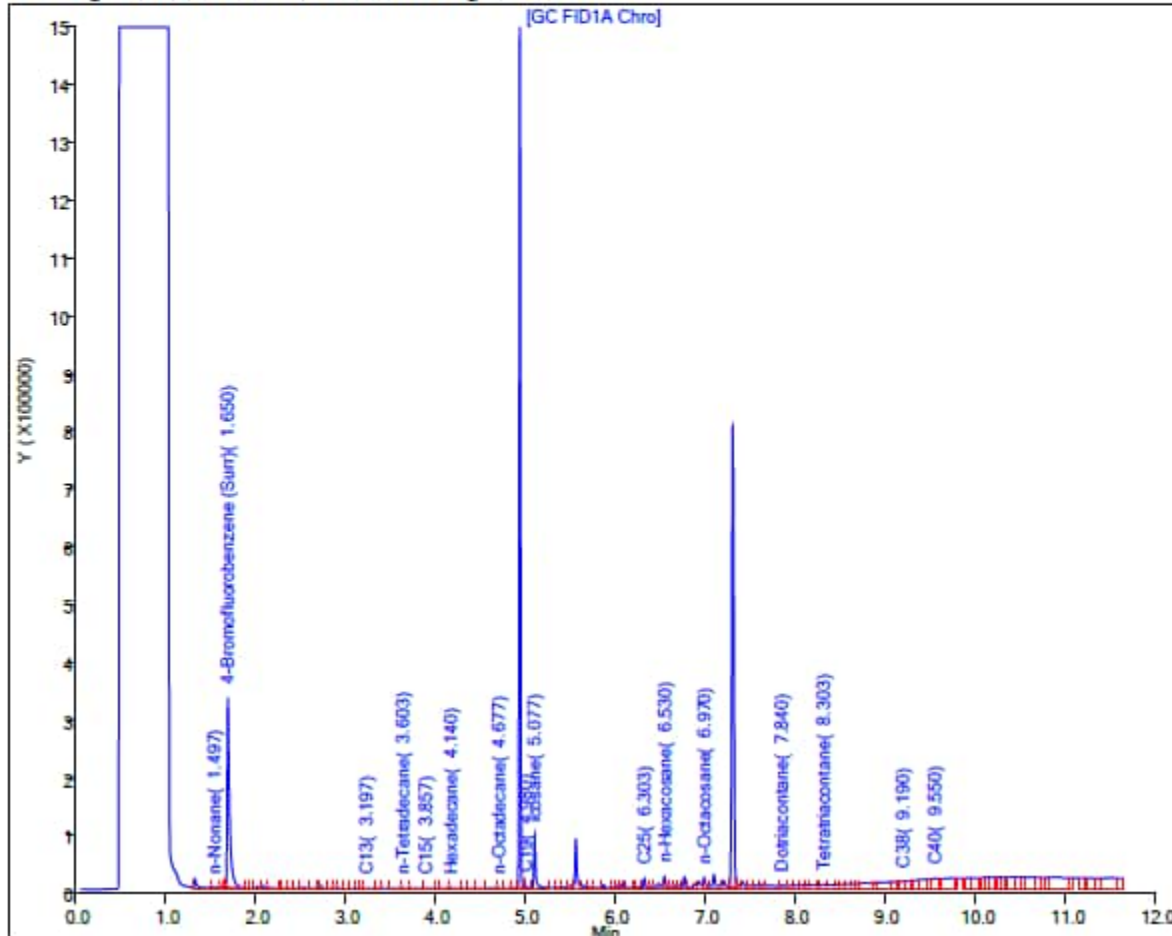
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-124029-1

Sample ID: OWDFMW07A-WGN01LF-2302WK4, OWDFMW08A-WGFD01LF-2302WK4, OWDFMW08A-WGN01LF-2302WK4, RHMW11-05-WGN01G-2302WK4

Sample Date: 2/27/2023

Lab: Eurofins Seattle

Report Date: 03-Mar-2023 09:37:17

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230302-87325.b\030223A034.D

Injection Date: 02-Mar-2023 21:57:27

Instrument ID: TAC129

Lims ID: MB 580-419315/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

17

Injection Vol: 1.0 uL

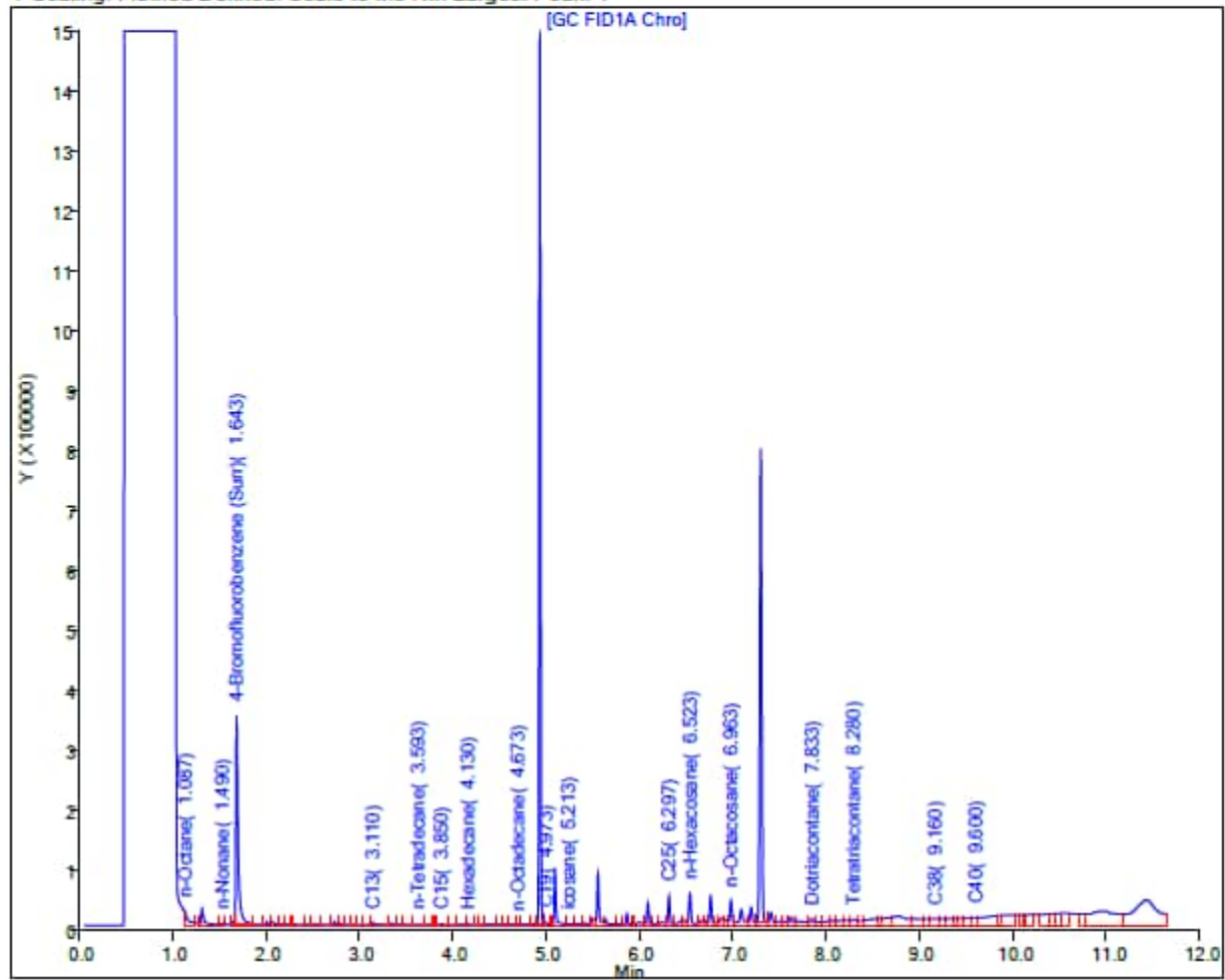
Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-124172-1

Sample ID: RHMW13-05-WGN01G-2302WK4, ADIT3-SUMP-WGN01B-2302WK4, RHMW2254-01-WGN01B-2302WK4, RHMW2254-01-WGN01LF-2302WK4

Sample Date: 2/28/2023, 3/1/2023

Lab: Eurofins Seattle

Report Date: 06-Mar-2023 17:56:41

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230306-87363.b\030623A022.D

Injection Date: 06-Mar-2023 15:34:39

Instrument ID: TAC129

Lims ID: MB 580-419450/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

5

Injection Vol: 1.0 uL

Dil. Factor:

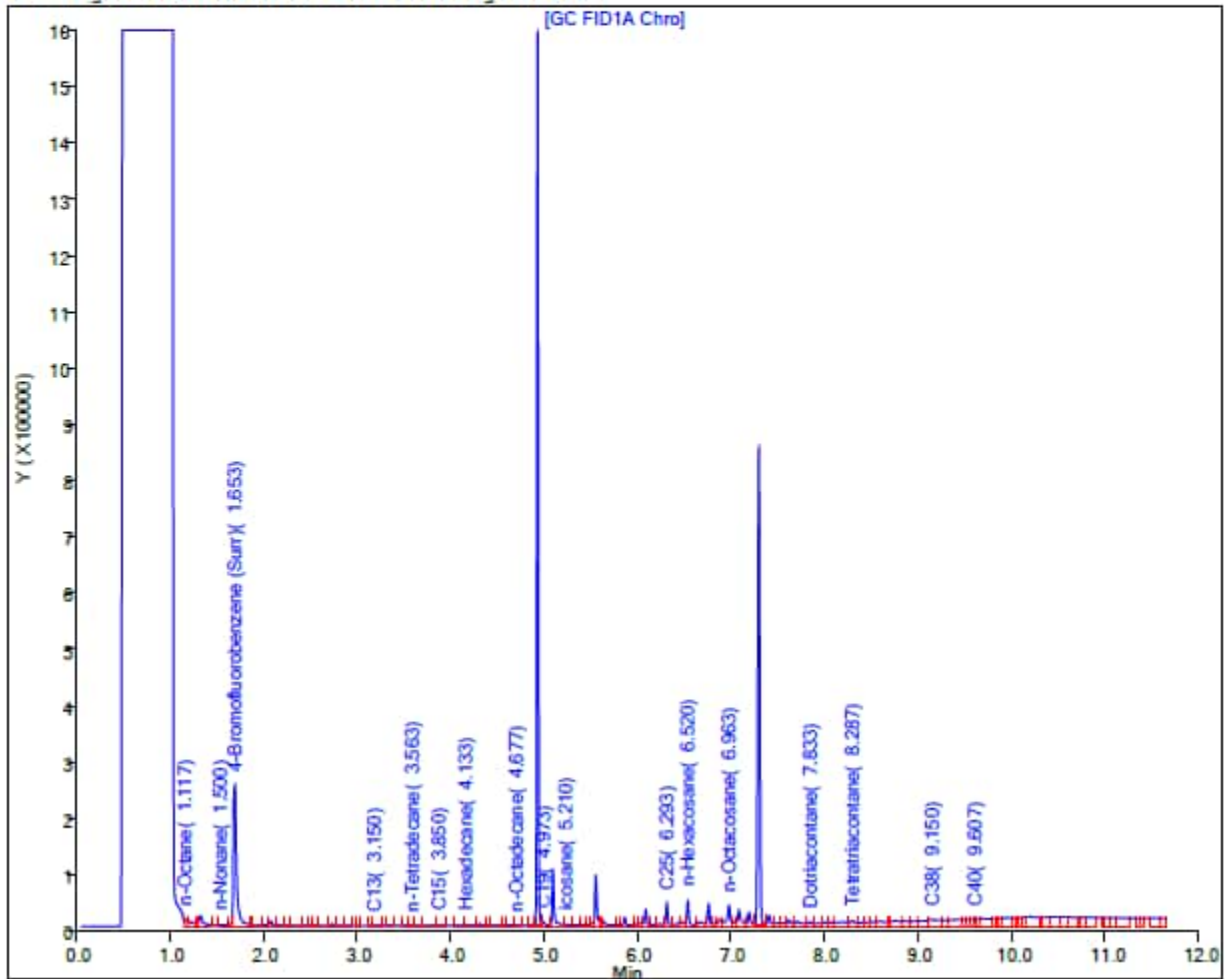
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-124259-1

Sample ID: OWDFMW01-WGN01LF-2302WK4, RHMW04-WGFD01B-2302WK4, RHMW04-WGN01B-2302WK4, RHMW06-WGN01B-2302WK4, RHMW08-WGN01B-2302WK4, RHMW17-WGN01B-2302WK4

Sample Date: 3/2/2023

Lab: Eurofins Seattle

Report Date: 09-Mar-2023 10:40:48

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230308-87402.b\030823B036.D

Injection Date: 08-Mar-2023 18:00:37

Instrument ID: TAC129

Lims ID: MB 580-419818/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

57

Injection Vol: 1.0 uL

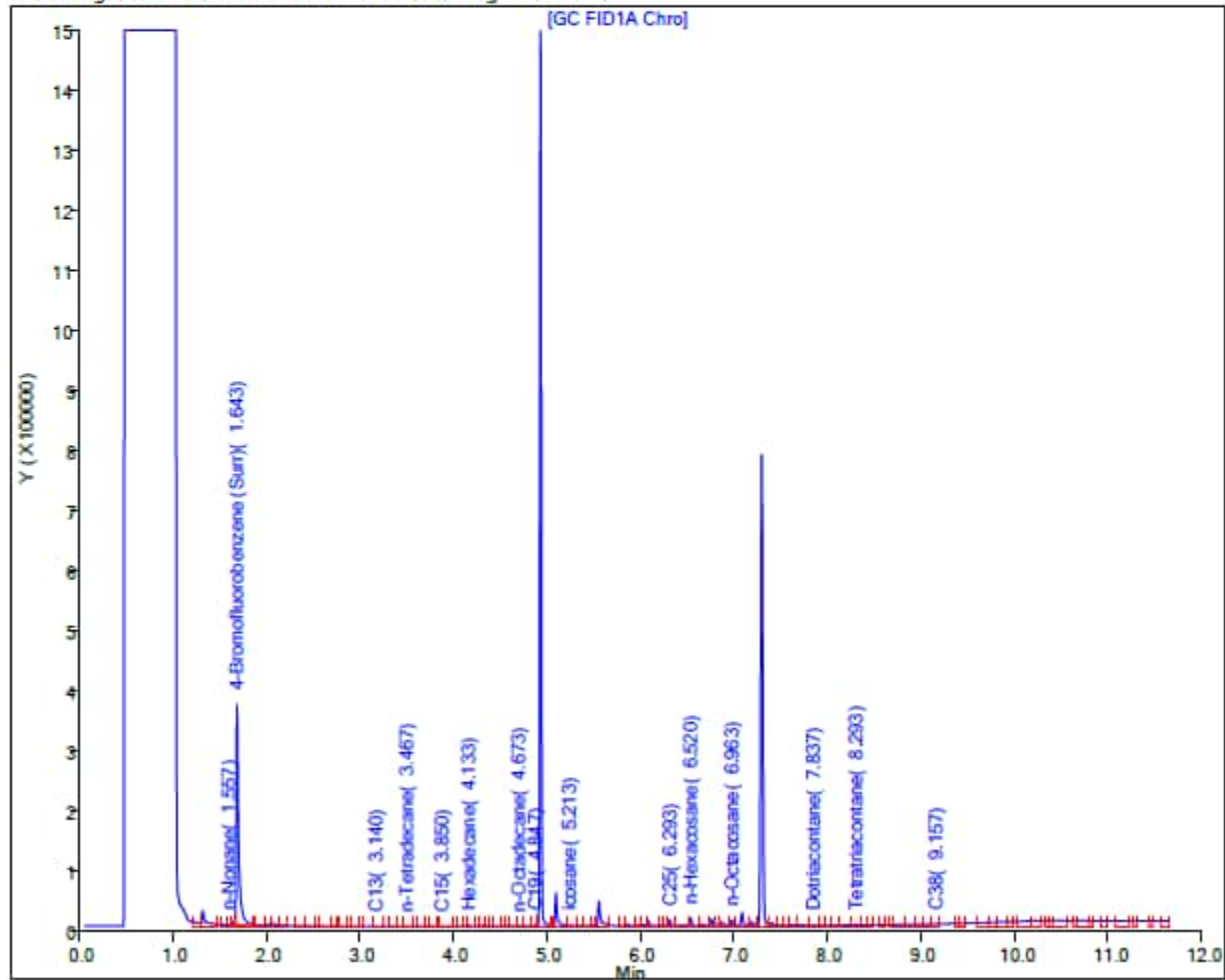
Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-124656-1

Sample ID: OWDFMW04A-WGFD01LF-2303WK1, OWDFMW04A-WGN01LF-2303WK1, OWDFMW05A-WGN01LF-2303WK1

Sample Date: 3/10/2023

Lab: Eurofins Seattle

Report Date: 17-Mar-2023 08:54:30

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230316-87522.b\031623A042.D

Injection Date: 16-Mar-2023 23:58:19

Instrument ID: TAC020

Lims ID: MB 580-420523/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 42

Injection Vol: 1.0 ul

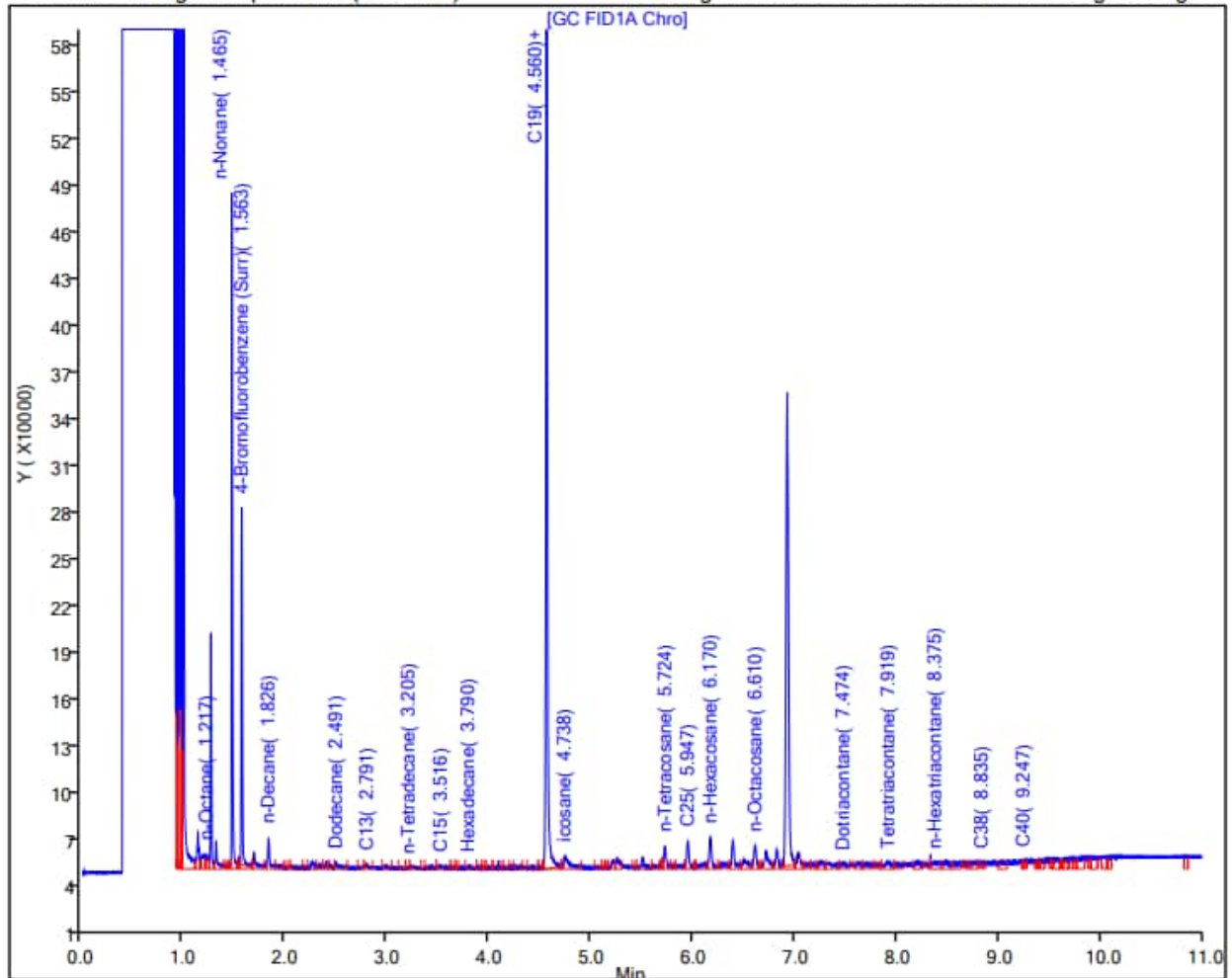
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Inferno (0.25 mm)

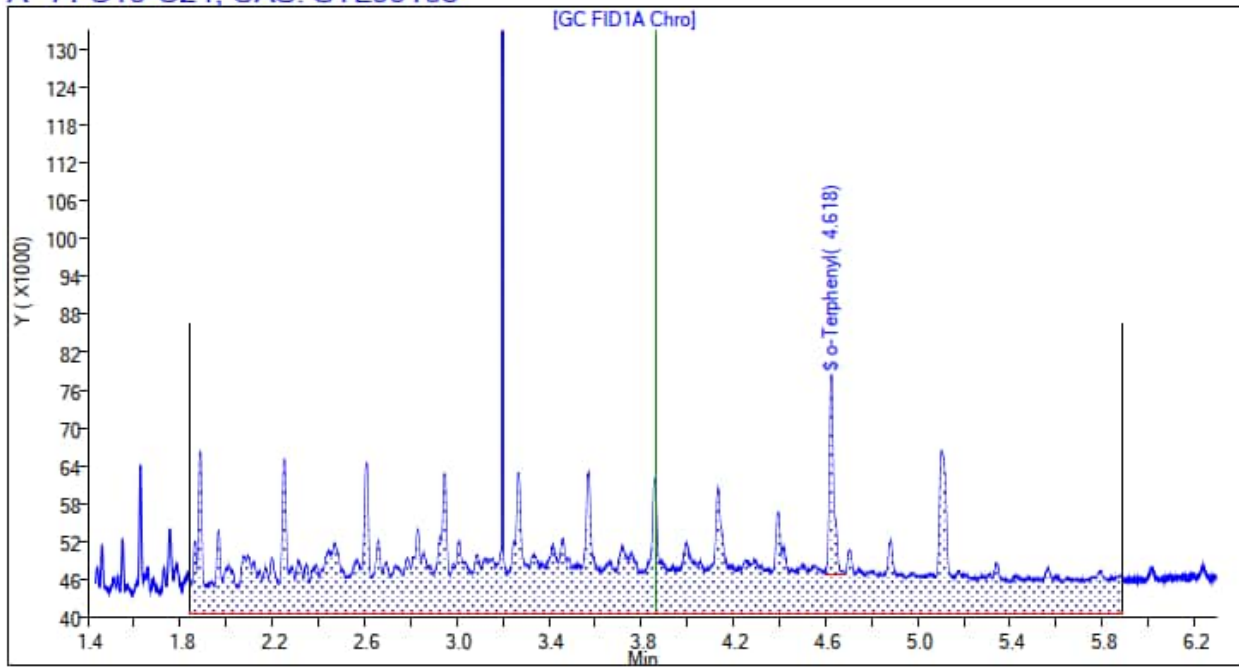
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle: Initial Calibration Standard (LVL 1), TPH-d 5.00 ng/μL

1/19/23 2:32 pm, Instrument ID: TAC020, SDG: 580-123713-1

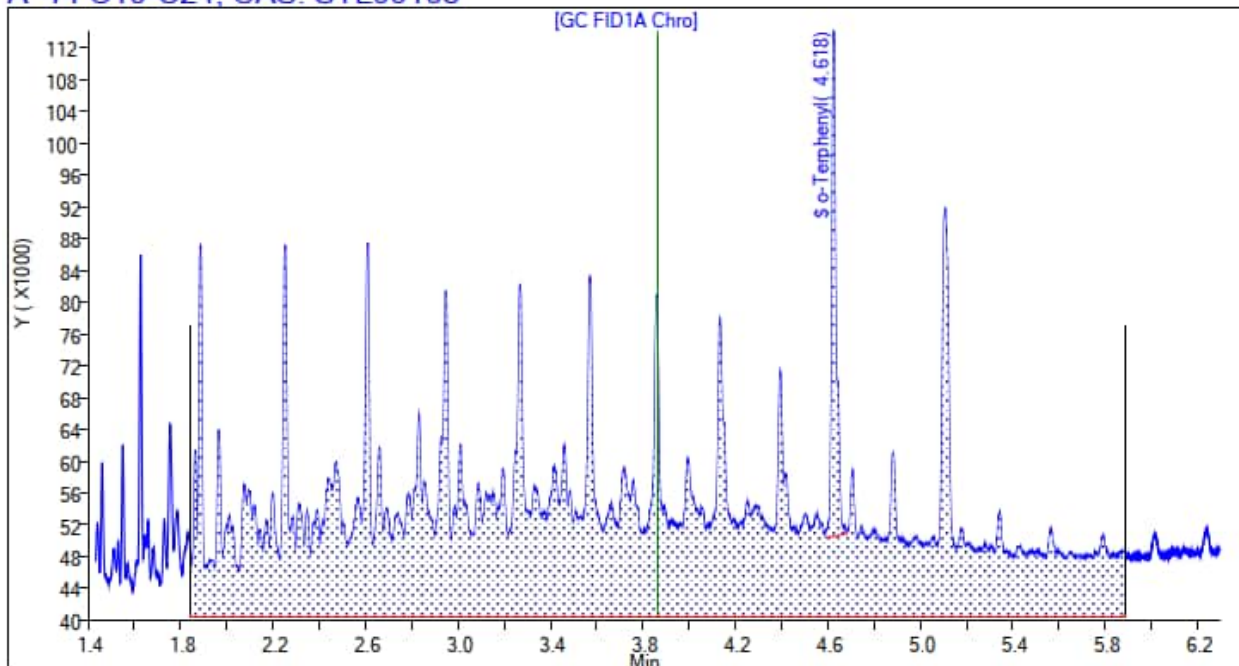
A 14 C10-C24, CAS: STL00163



Eurofins Seattle: Initial Calibration Standard (LVL 2), TPH-d 10.0 ng/μL

1/19/23 2:52 pm, Instrument ID: TAC020, SDG: 580-123713-1

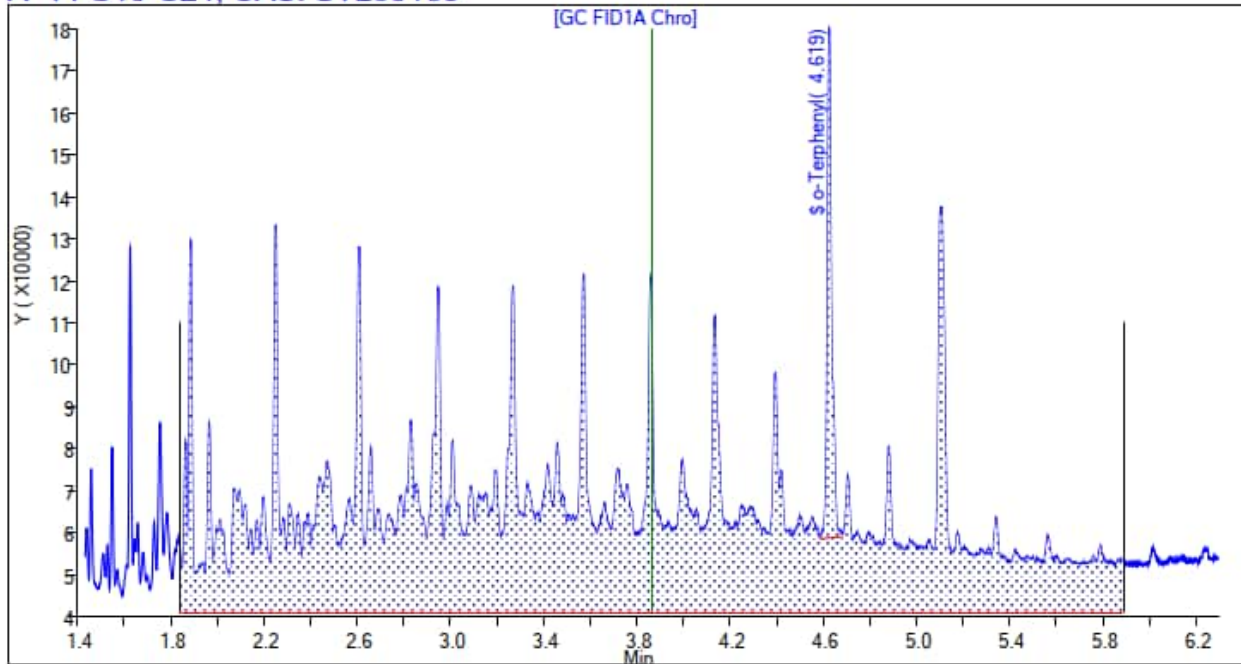
A 14 C10-C24, CAS: STL00163



Eurofins Seattle: Initial Calibration Standard (LVL 3), TPH-d 20.0 ng/μL

1/19/23 3:12 pm, Instrument ID: TAC020, SDG: 580-123713-1

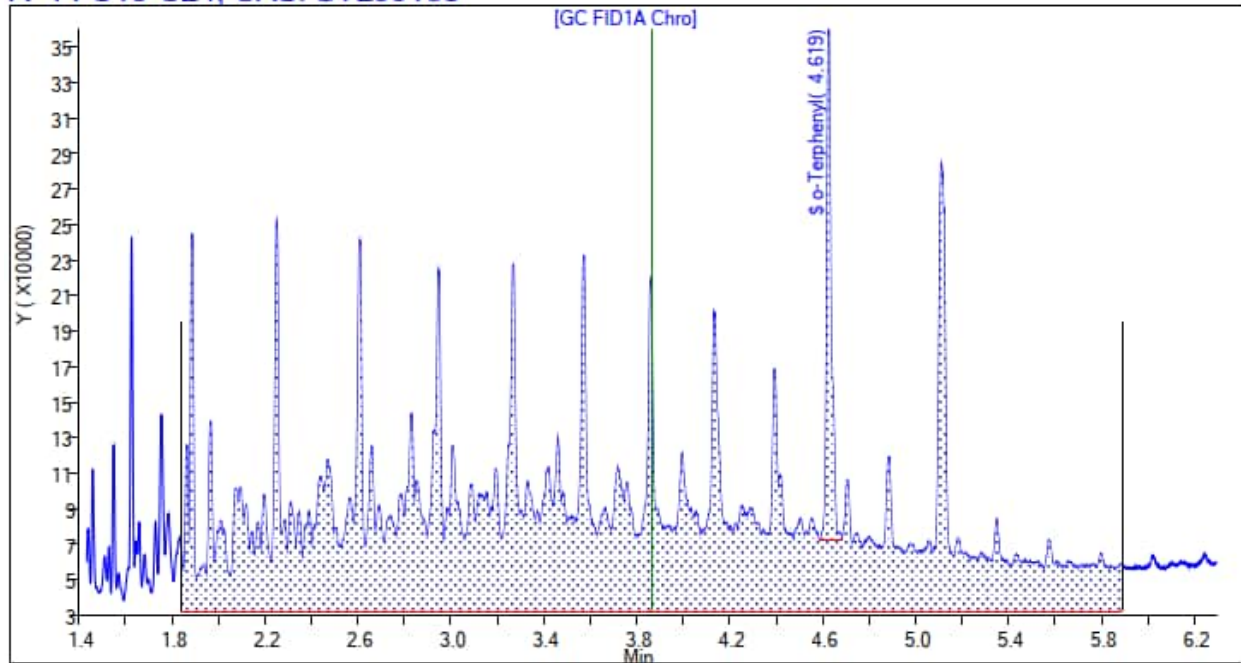
A 14 C10-C24, CAS: STL00163



Eurofins Seattle: Initial Calibration Standard (LVL 4), TPH-d 50.0 ng/μL

1/19/23 3:33 pm, Instrument ID: TAC020, SDG: 580-123713-1

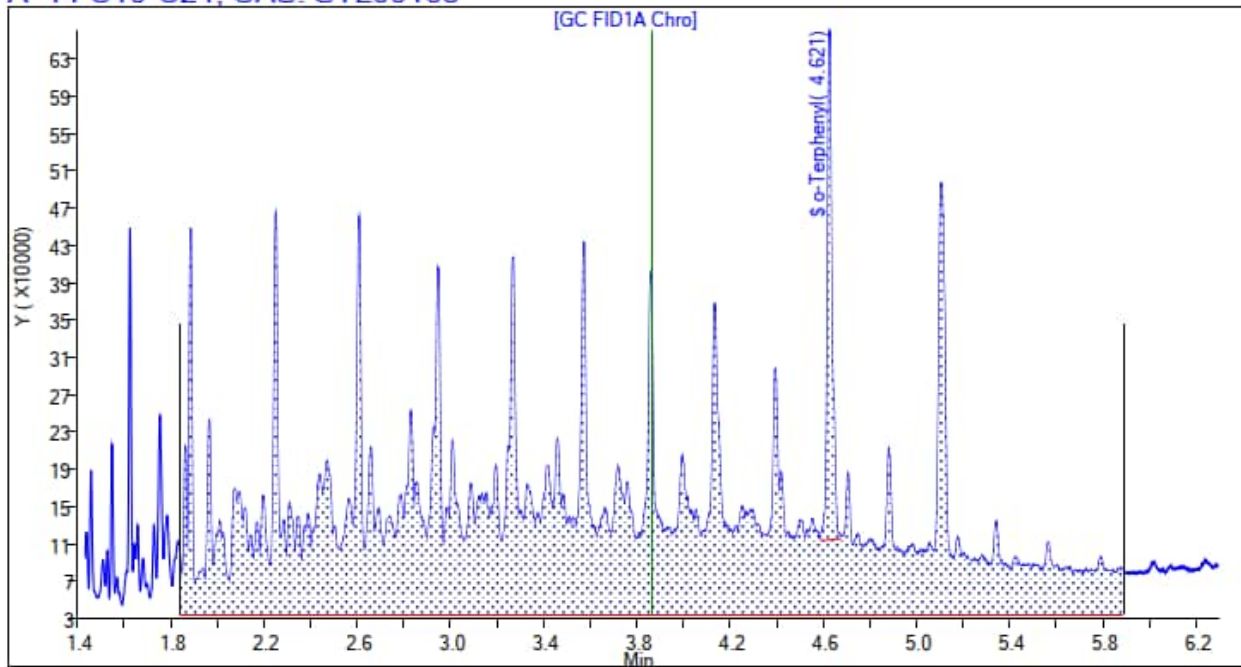
A 14 C10-C24, CAS: STL00163



Eurofins Seattle: Initial Calibration Standard (LVL 5), TPH-d 100.0 ng/μL

1/19/23 3:53 pm, Instrument ID: TAC020, SDG: 580-123713-1

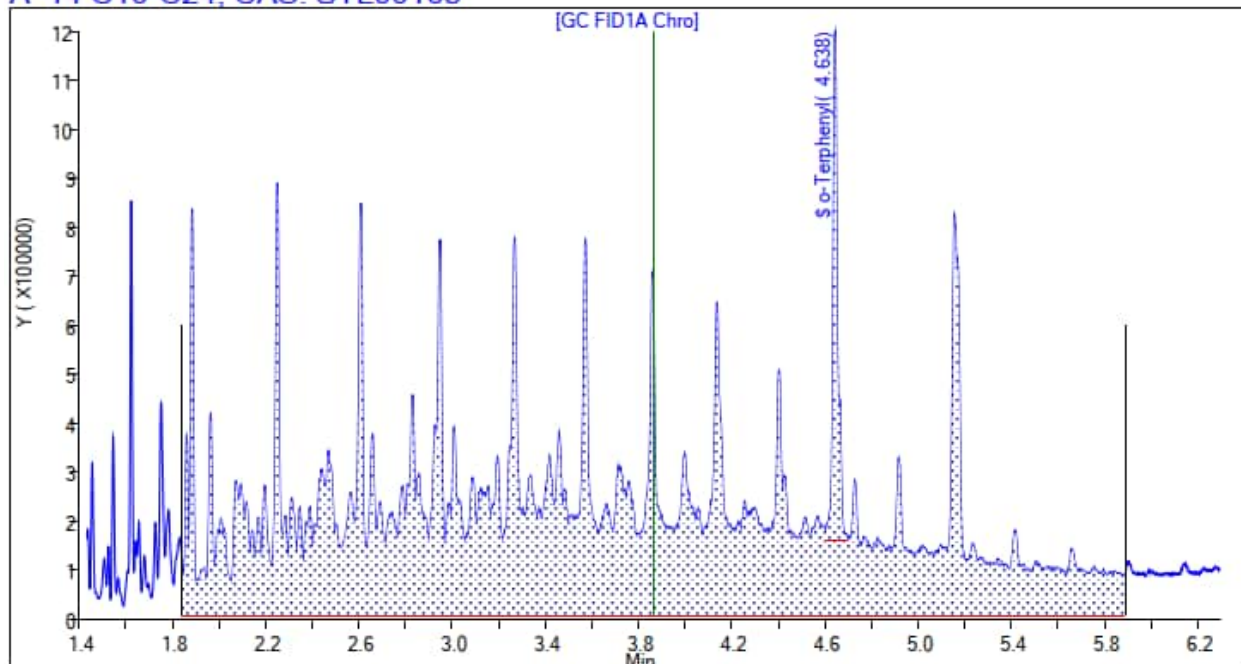
A 14 C10-C24, CAS: STL00163



Eurofins Seattle: Initial Calibration Standard (LVL 6), TPH-d 200.0 ng/μL

1/19/23 5:08 pm, Instrument ID: TAC020, SDG: 580-123713-1

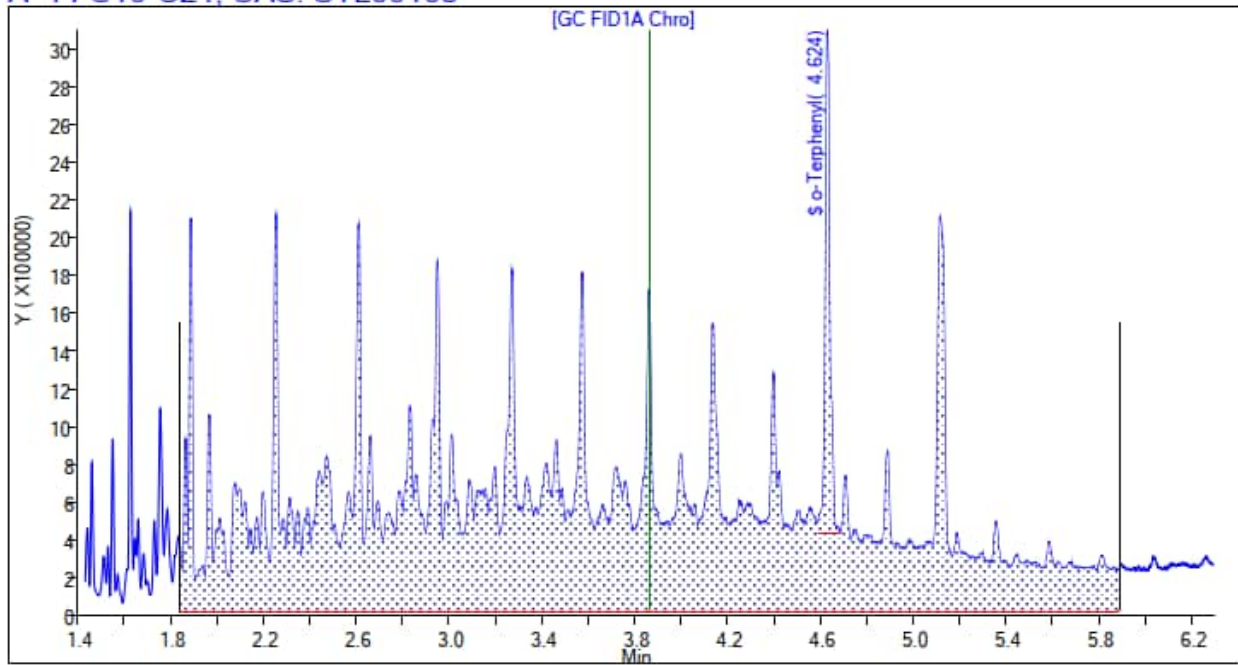
A 14 C10-C24, CAS: STL00163



Eurofins Seattle: Initial Calibration Standard (LVL 7), TPH-d 500.0 ng/μL

1/19/23 5:29 pm, Instrument ID: TAC020, SDG: 580-123713-1

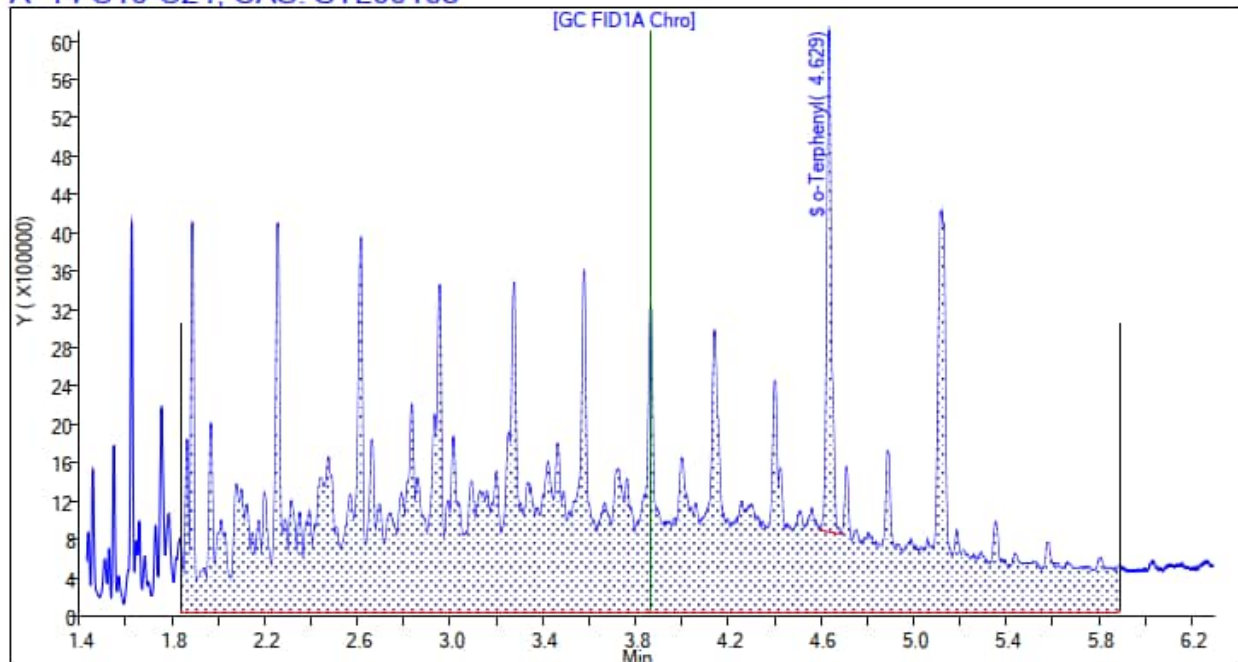
A 14 C10-C24, CAS: STL00163



Eurofins Seattle: Initial Calibration Standard (LVL 8), TPH-d 1000.0 ng/μL

1/19/23 5:49 pm, Instrument ID: TAC020, SDG: 580-123713-1

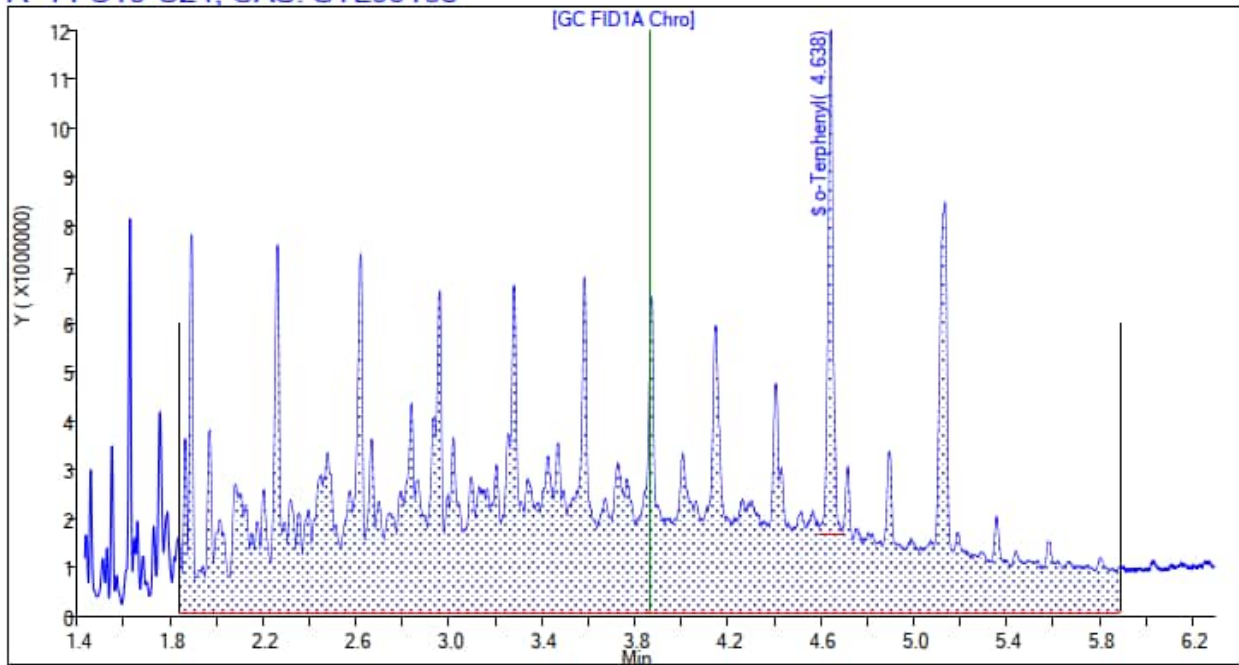
A 14 C10-C24, CAS: STL00163



Eurofins Seattle: Initial Calibration Standard (LVL 9), TPH-d 2000.0 ng/ μ L

1/19/23 6:09 pm, Instrument ID: TAC020, SDG: 580-123713-1

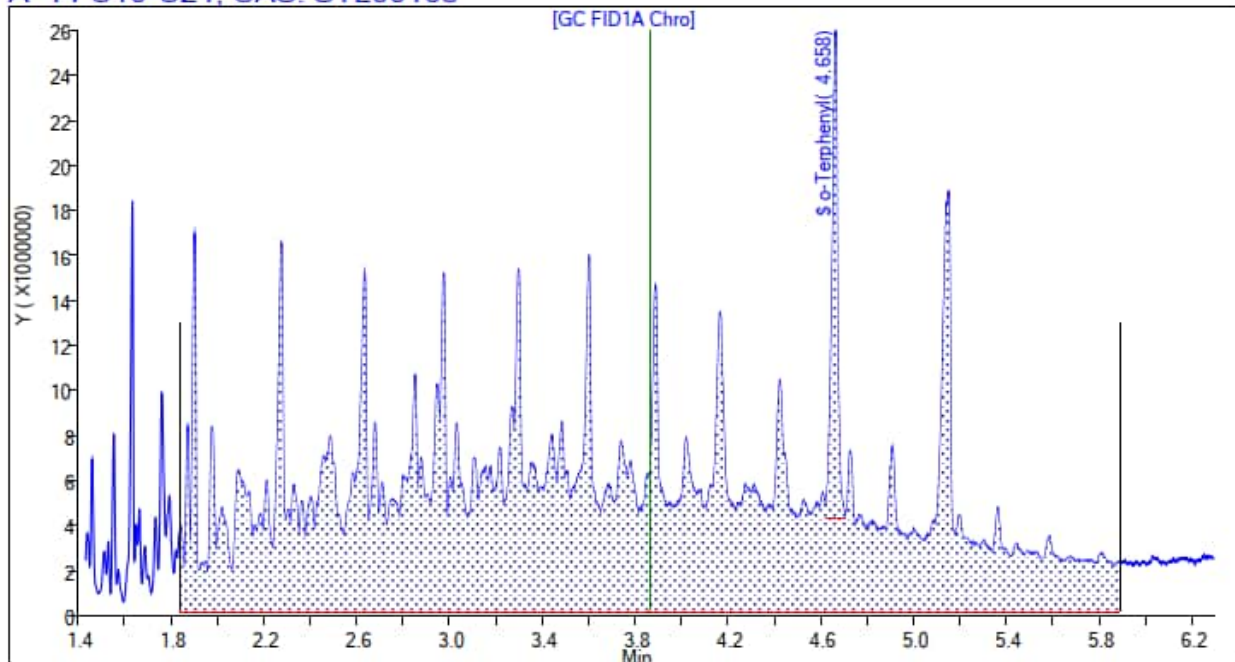
A 14 C10-C24, CAS: STL00163



Eurofins Seattle: Initial Calibration Standard (LVL 10), TPH-d 5000.0 ng/ μ L

1/19/23 6:29 pm, Instrument ID: TAC020, SDG: 580-123713-1

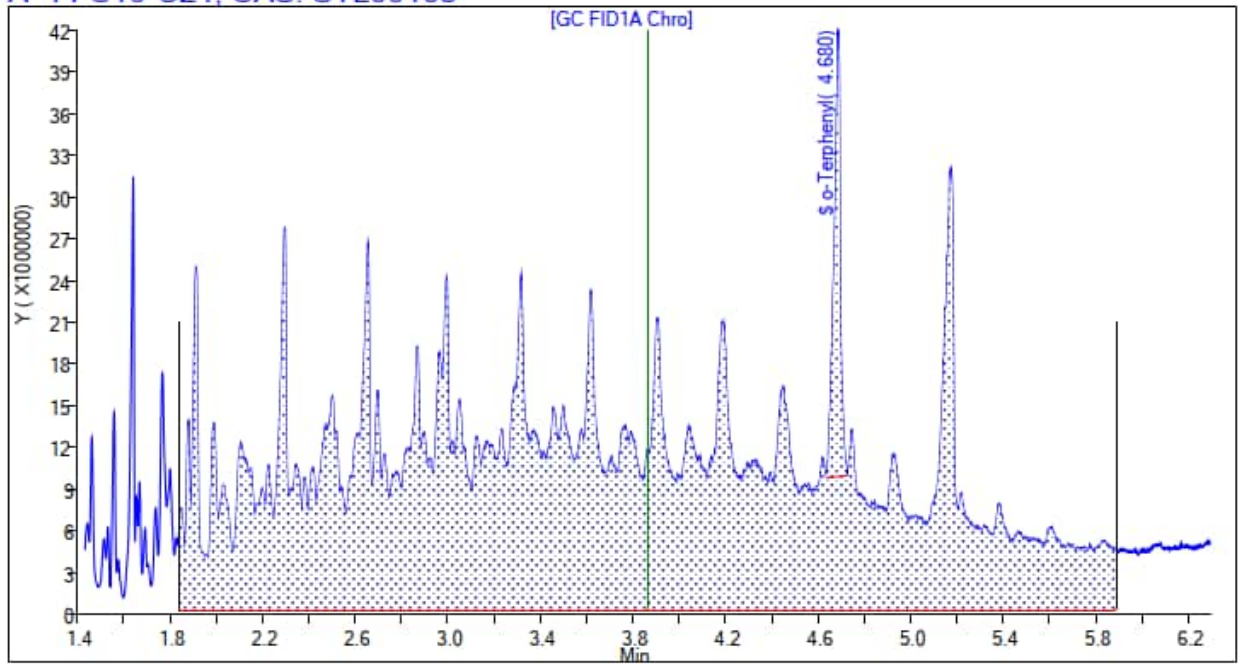
A 14 C10-C24, CAS: STL00163



Eurofins Seattle: Initial Calibration Standard (LVL 11), TPH-d 10,000 ng/ μ L

1/19/23 6:49 pm, Instrument ID: TAC020, SDG: 580-123713-1

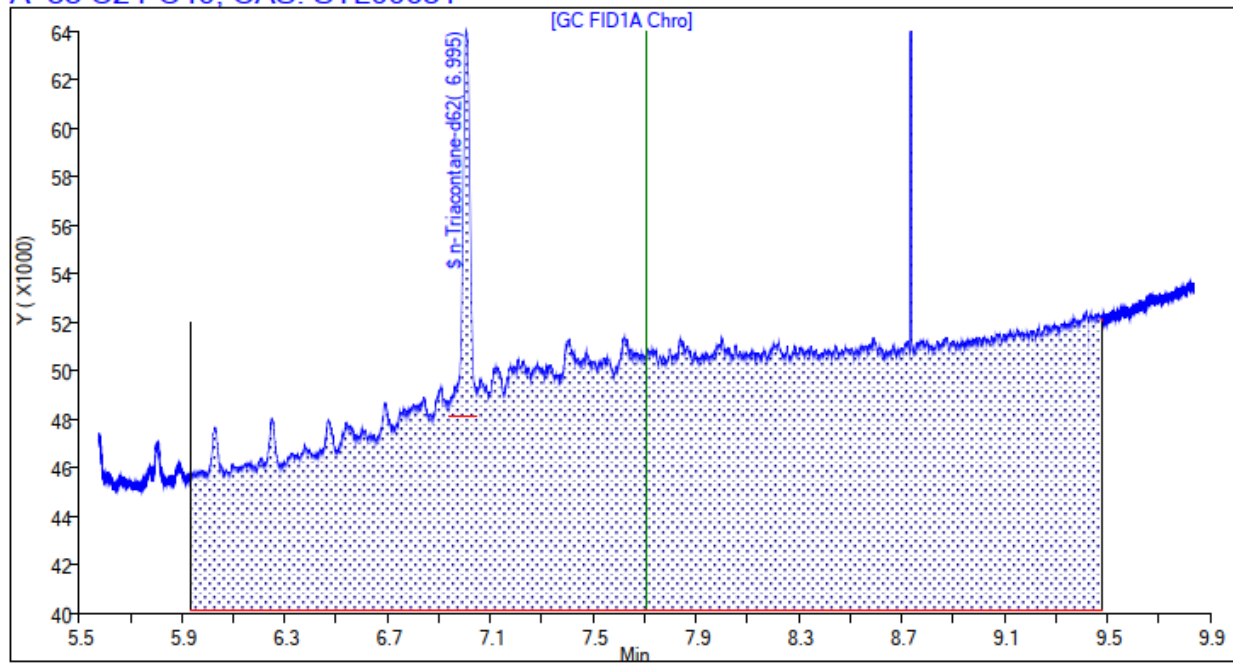
A 14 C10-C24, CAS: STL00163



Eurofins Seattle: Initial Calibration Standard (LVL 1), TPH-o 5.00 ng/μL

1/19/23 2:32 pm, Instrument ID: TAC020, SDG: 580-123713-1

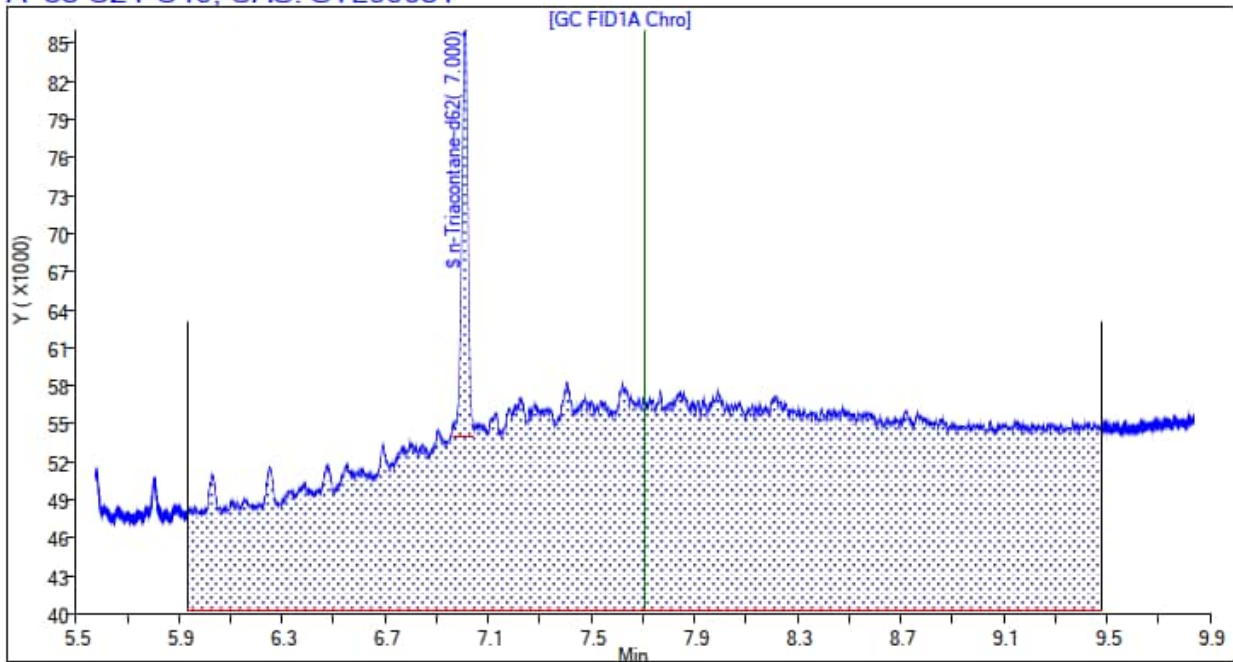
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 2), TPH-o 10.0 ng/μL

1/19/23 2:52 pm, Instrument ID: TAC020, SDG: 580-123713-1

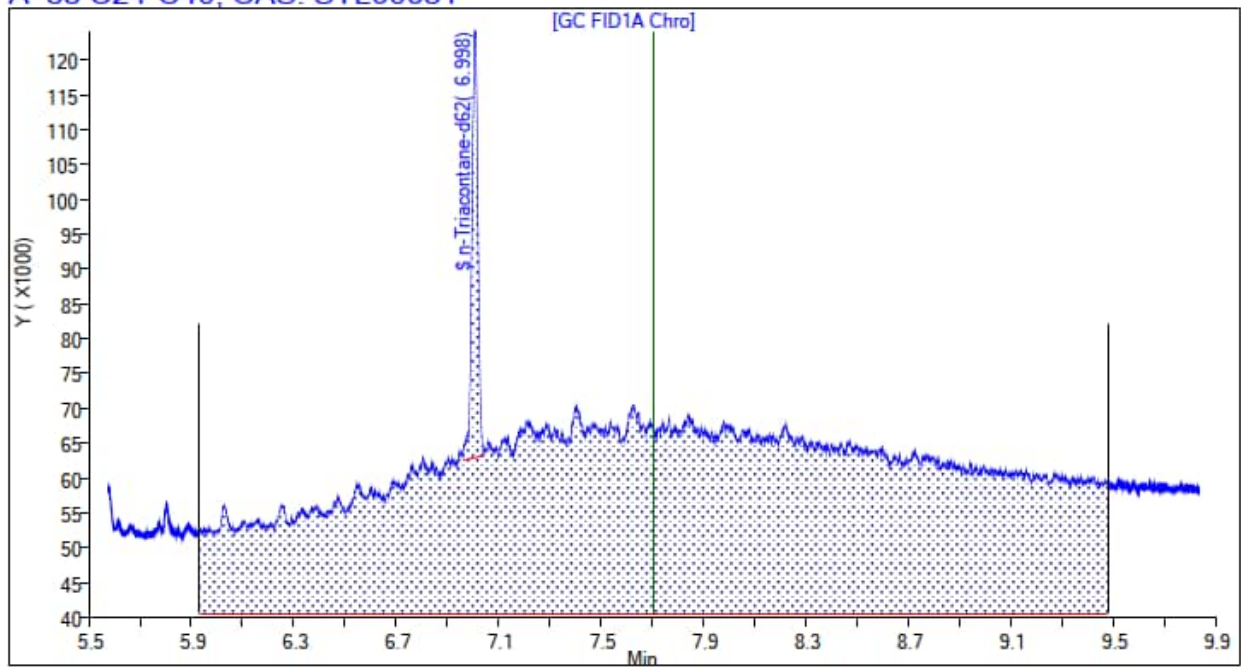
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 3), TPH-o 20.0 ng/μL

1/19/23 3:12 pm, Instrument ID: TAC020, SDG: 580-123713-1

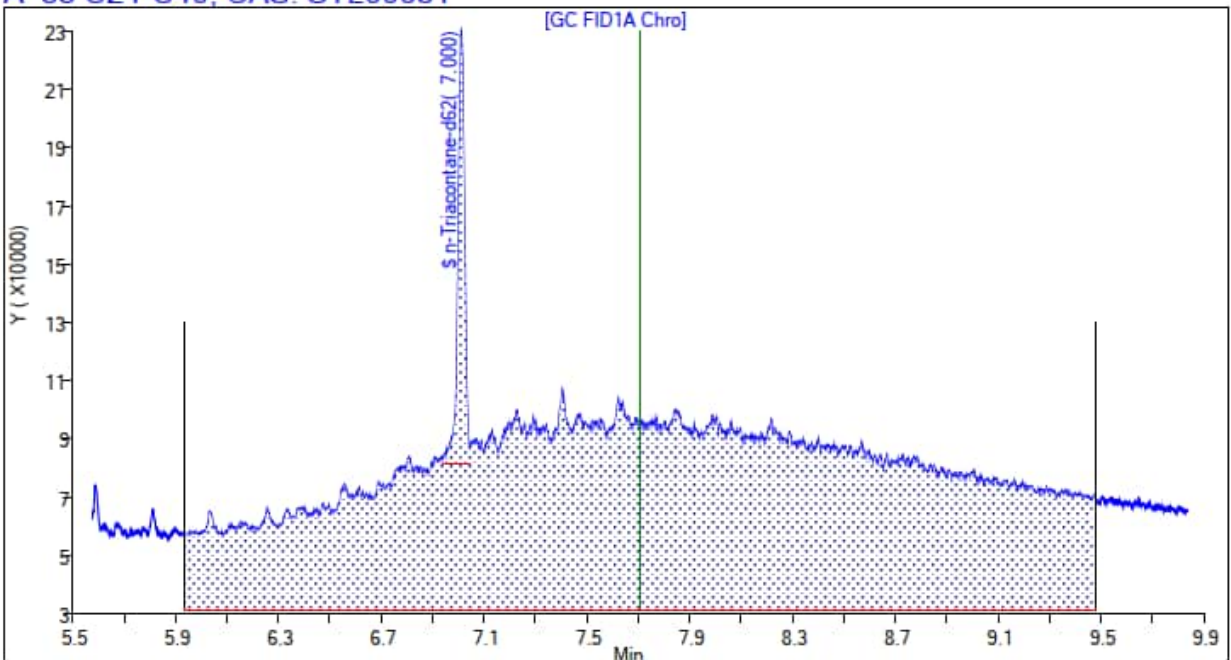
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 4), TPH-o 50.0 ng/μL

1/19/23 3:33 pm, Instrument ID: TAC020, SDG: 580-123713-1

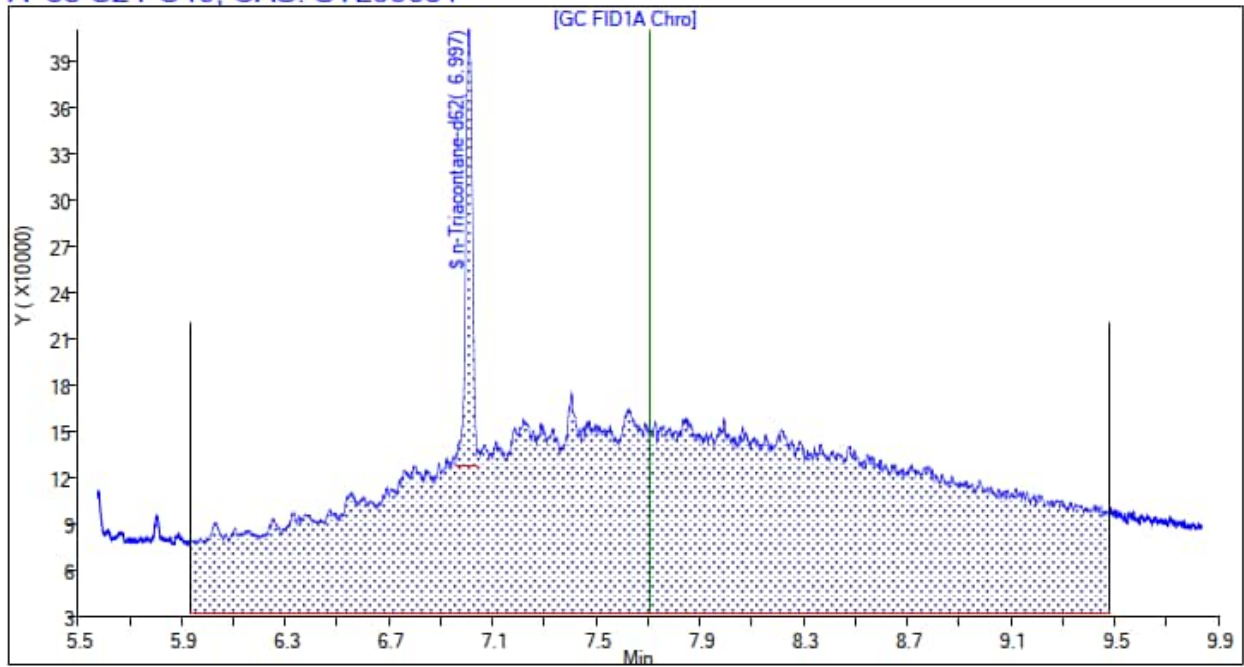
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 5), TPH-o 100.0 ng/μL

1/19/23 3:53 pm, Instrument ID: TAC020, SDG: 580-123713-1

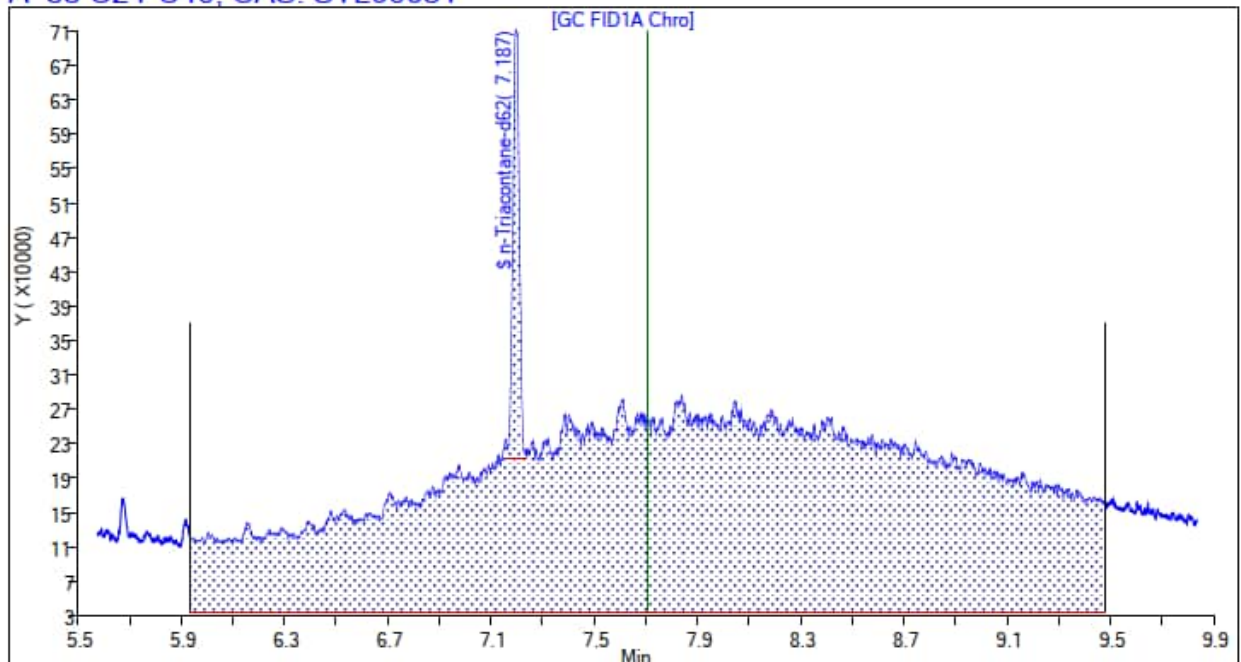
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 6), TPH-o 200.0 ng/μL

1/19/23 5:08 pm, Instrument ID: TAC020, SDG: 580-123713-1

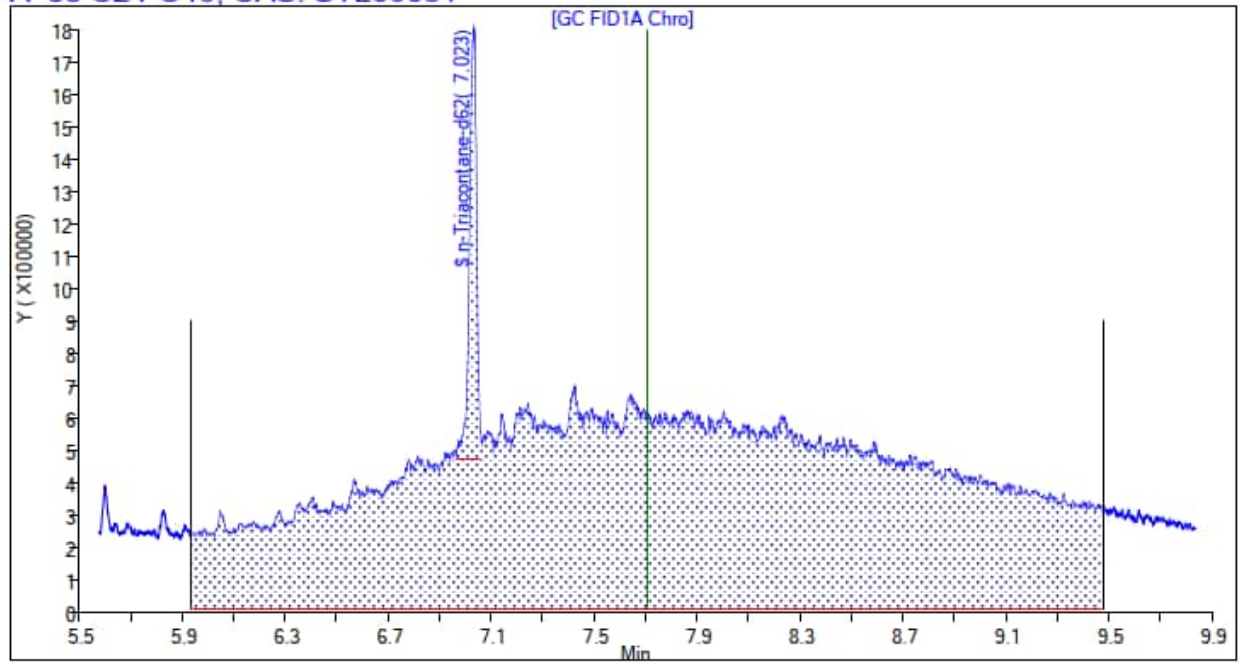
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 7), TPH-o 500.0 ng/μL

1/19/23 5:29 pm, Instrument ID: TAC020, SDG: 580-123713-1

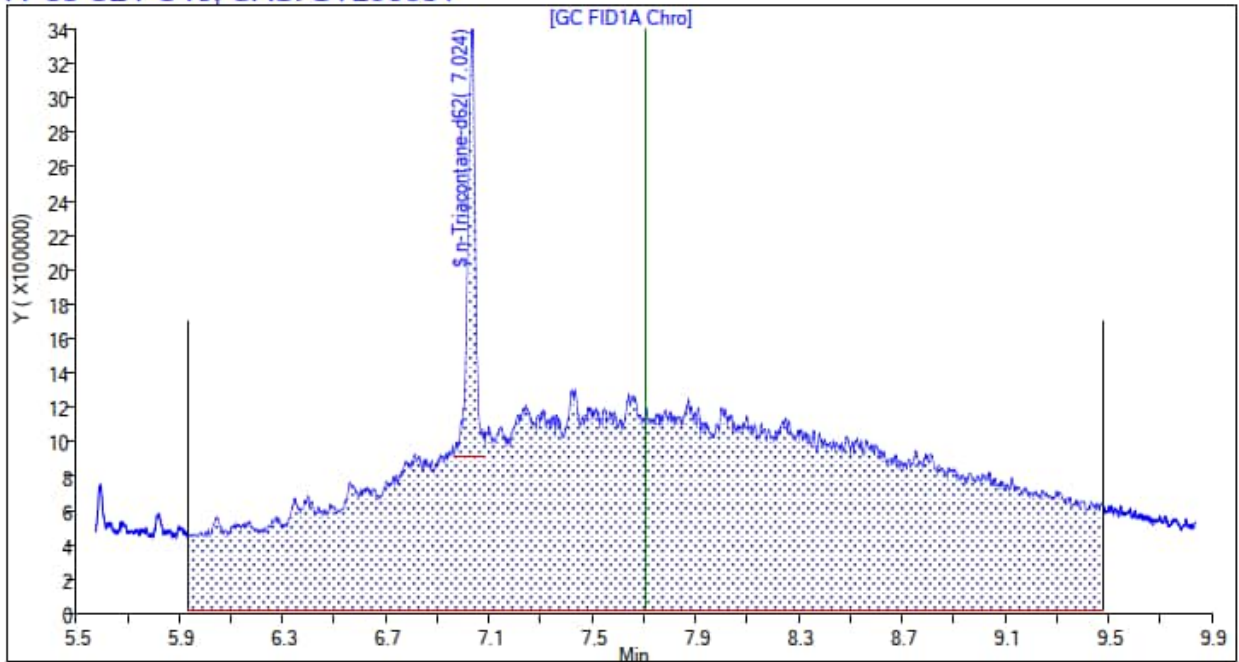
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 8), TPH-o 1000.0 ng/μL

1/19/23 5:49 pm, Instrument ID: TAC020, SDG: 580-123713-1

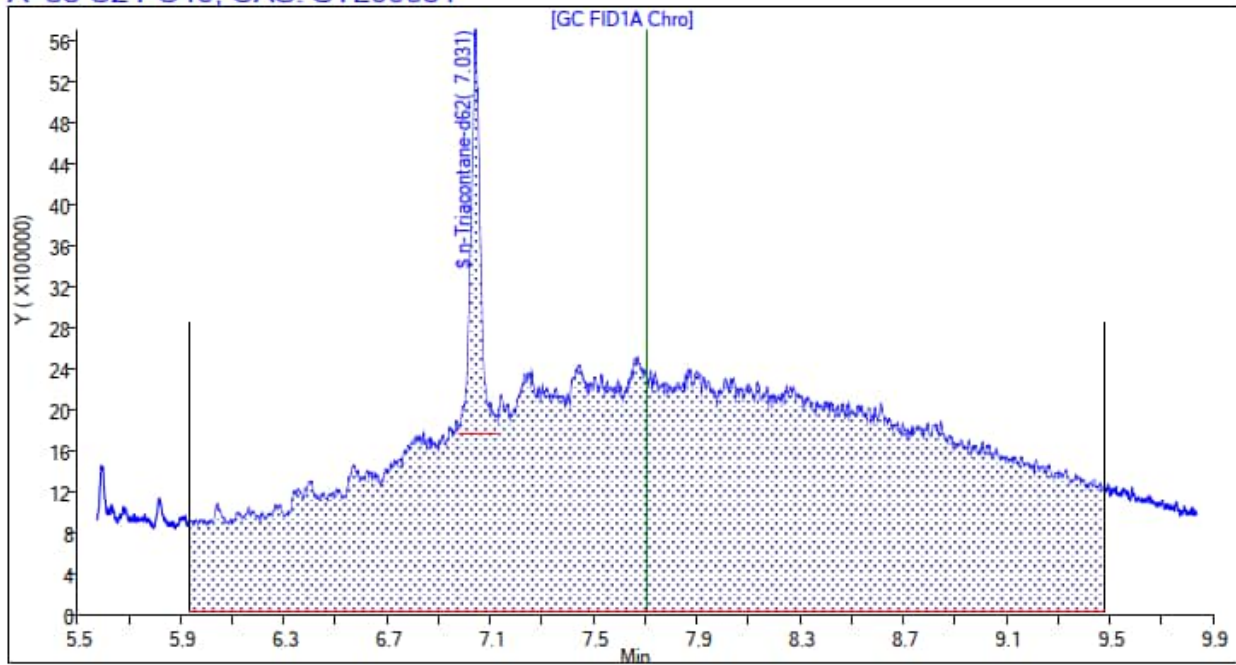
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 9), TPH-o 2000.0 ng/μL

1/19/23 6:09 pm, Instrument ID: TAC020, SDG: 580-123713-1

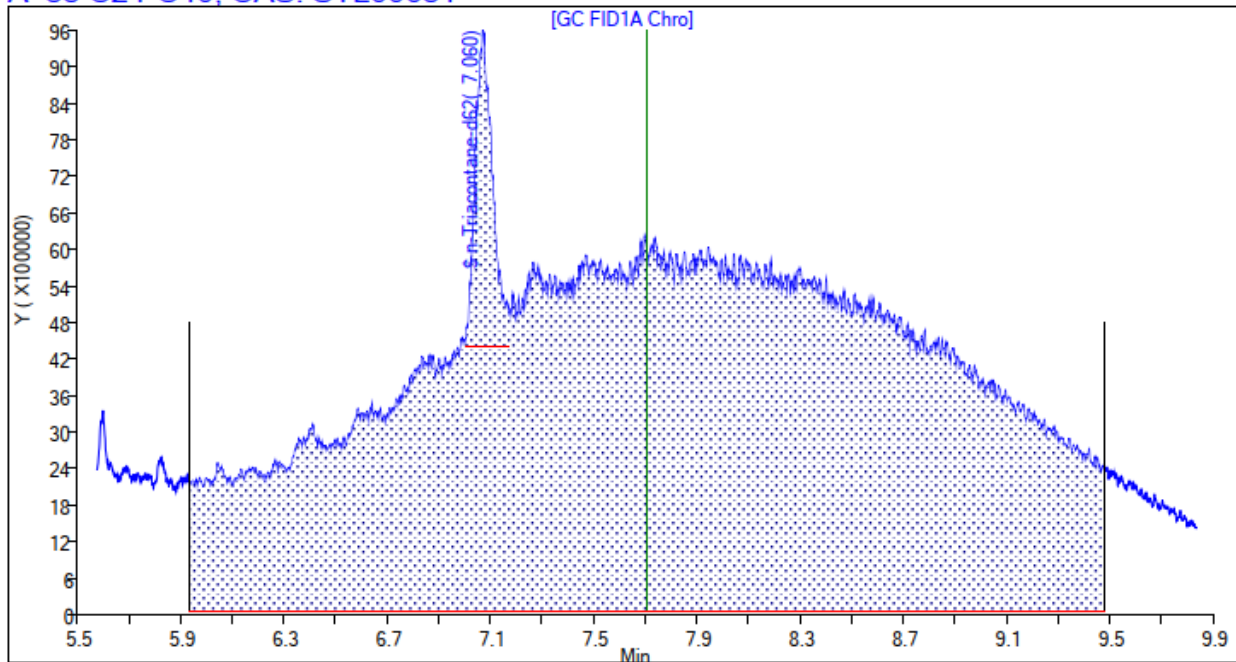
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 10), TPH-o 5000.0 ng/μL

1/19/23 6:29 pm, Instrument ID: TAC020, SDG: 580-123713-1

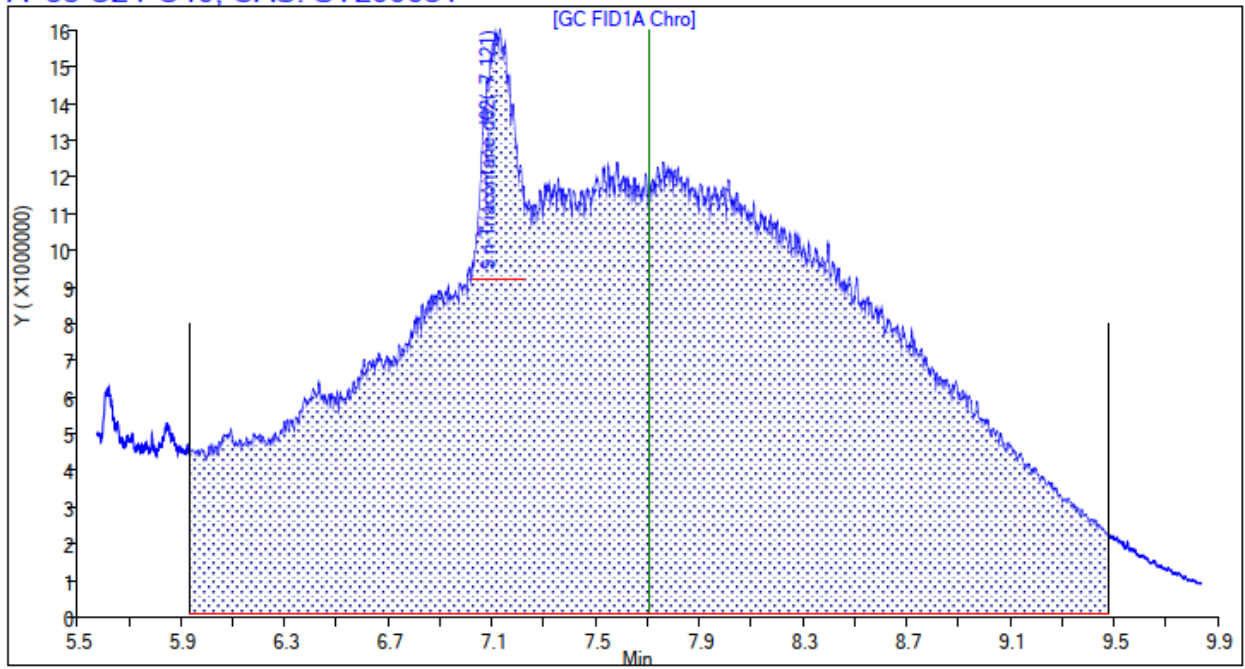
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 11), TPH-o 10,000 ng/ μ L

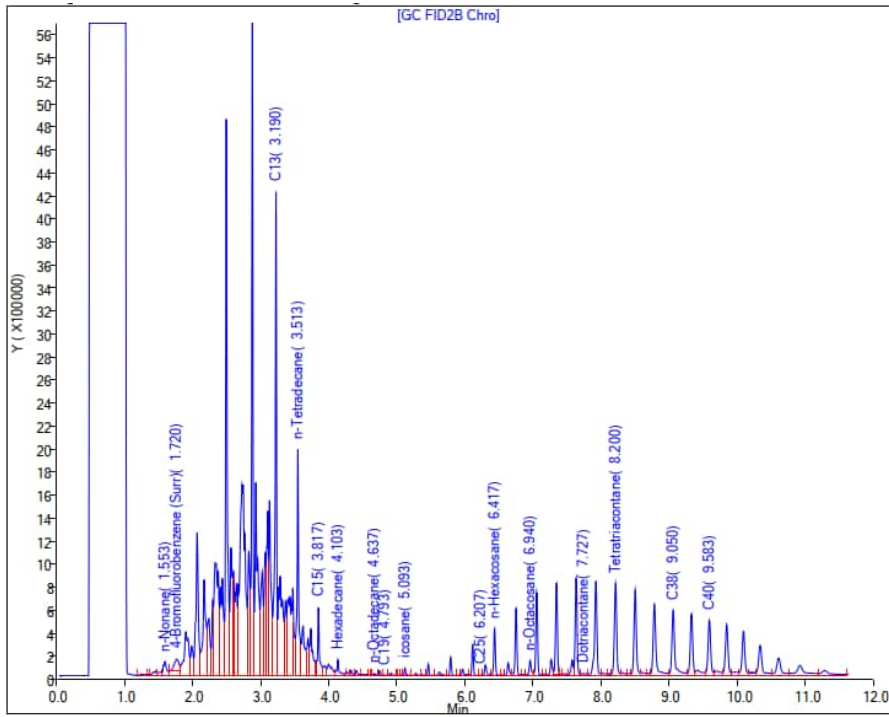
1/19/23 6:49 pm, Instrument ID: TAC020, SDG: 580-123713-1

A 33 C24-C40, CAS: STL00631



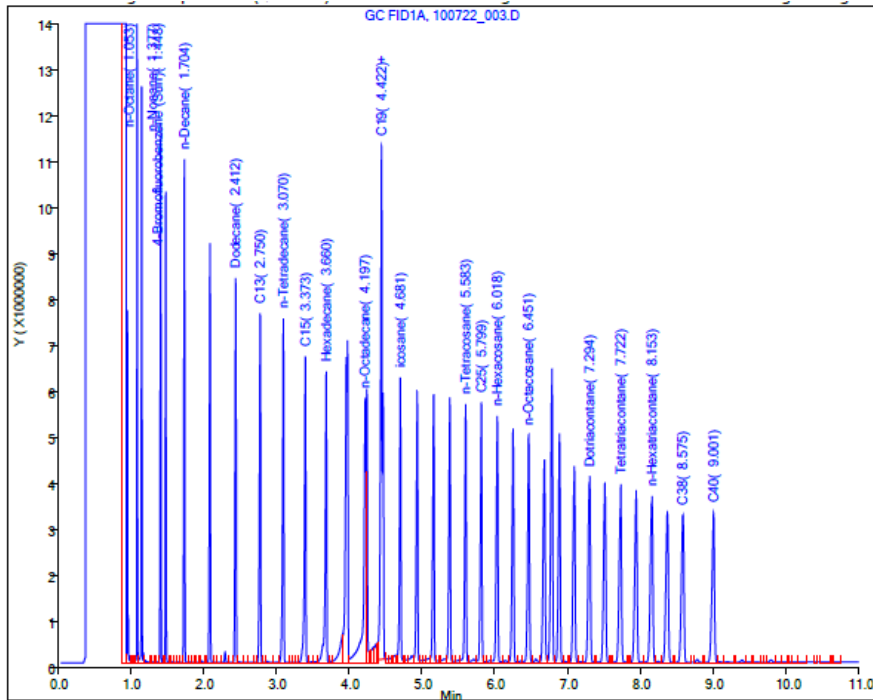
Eurofins Seattle: JP-5 Standard

2/23/23 2:19 am, Instrument ID: TAC020, SDG: 580-123713-1



Eurofins Seattle: Alkane Marker

10/7/22 6:32 pm, Instrument ID: TAC020, SDG: 580-120073-1



Appendix B.6 – NOI Groundwater Sampling Plan

Appendix E Groundwater Sampling Plan Revised December 27, 2021

The objective of the following Groundwater Sampling Plan is to obtain an assessment of groundwater impacts from the May 6 and November 20, 2021 release events, as well as evidence of recent mobilization of earlier fuel spills remaining in the vadose zone. Based on data obtained and additional work to identify nature and extent of the fuel releases on the environment, the scope and frequency of data collection may change. In addition, the groundwater sampling program may eventually be utilized to evaluate the effectiveness of contaminant containment or as a possible indicator of potential impact on Red Hill Shaft during pumping. Effective the week (December 13-17, 2021), the Navy's groundwater sampling plan shall at a minimum consist of:

1. Collect the samples noted on Tables 1, 2 and 3. HDOH or an HDOH contractor shall be afforded an opportunity to be present to observe, and elect on a well by well basis to obtain, handle, and ship the split sample to the HDOH contracted laboratory for analysis;
2. Provide the results in an extractable laboratory database format with an updated cumulative groundwater results spreadsheet in excel format;
3. Have the laboratories provide EDD files and all chromatograms in electronic format of the ASCII files (including a PDF format copy). This includes results from the May 6th release, long term monitoring data, and the Nov 20th release incidents;
4. Provide all the field logs in excel spreadsheet of the Groundwater (GW) monitoring at mentioned wells, since the May 6th release incidence through present and beyond (e.g., Redox Parameters, pH, Total Dissolved Solids (TDS), Oxidation Reduction Potential (ORP), etc.);
5. Provide all the field logs in excel spreadsheet of the Soil Vapor monitoring activities, since the My 6th release incidence through present and beyond;
6. In addition to groundwater samples, provide free product gauging using a bailer and headspace measurements using a photo-ionization detector (PID) for all locations; and
7. Provide fuel fingerprinting for:
 - a. Fuel from the Nov 20th release and a sample collected from RHMW2254-01 on December 2, 2021.
 - b. The three (3) different fuel types used at Red Hill obtained in response to the Hotel Pier release.
 - c. The Fuel Analysis of Free Product mentioned in Table 2 will be analyzed only once.

Please see *Table 1* for the for the Groundwater Sampling Plan, *Table 2* for the Groundwater Parameters and *Table 3* for the Soil Vapor Monitoring and Summa Cannister Sampling.

**Appendix E Groundwater Sampling Plan
Revised December 27, 2021**

Table 1. Groundwater Sampling Plan

Sample type	Incidence date	Locations	Collection Method	Frequency of sampling	Duration of sampling	Analytes	Reporting Turn Around Time (TAT)
Ground-water	Nov 20 th (14 GW wells with 1 Sump and 1 AFFF tank)	RHMW05 RHMW08 RHMW06 RHMW09 RHMW12 RHMW12-A RHMW17 (when complete)	Bailer: RHMW04 RHMW05 RHMW06 RHMW08 RHMW09 RHMW19	Weekly	2 months	See Table 2	7 days
		RHMW16 OWDFMW01	Low Flow pump: RHMW12-A RHMW17 (when complete) RHMW16 OWDFMW01 Additional four OWDFMW wells*				
		RHMW2254-01 (2 samples)	Bailer & Low flow dedicated pump (both)				
		RHMW11 (Zone 5) RHMW13 (Zone 5) RHMW 14 (Zone 3) RHMW15 (Zone 5)	Low flow (Westbay sampling method) Headspace/FP check will be taken after every sample collection)	Weekly	2 months		

**Appendix E Groundwater Sampling Plan
Revised December 27, 2021**

	One time groundwater analysis of water portion from the:	Infiltration Groundwater Sump**	If additional water enters the sump, sampling to restart and continue weekly instead of a one-time sample				
		Waste in AFFF tank	One time				
	May 6 th	RHMW01R, RHMW02, RHMW03	Bailer	Weekly	2 months		

*Navy request to include 4 new wells at the OWDF to the GW sampling is approved. DOH reserves right to adjust specific wells selected within two weeks of receiving the monitoring well installation records and field notes.

**The Infiltration Groundwater Sump was sampled by the Navy on November 24, 2021, and these results, once received, will meet the one-time requirement of the sampling plan. If additional water enters the sump, we are asking for weekly sampling instead of a one-time sample.

Table 2: Groundwater Parameters (Analytes): Analyze all the analytes mentioned in the “Table 1. Tier 1 Screening Levels for Groundwater” mentioned in Hawaii Administrative Rules, Section 11-280.1 Subchapter 6: Release Response Action. (§11-280.1-65.3 Site cleanup criteria). In addition, add the following analytes:

Parameters	Analytical method	Analytes	HDOH-EALs (ug/L)	Lab Limits
Total Petroleum Hydrocarbons (TPH) -gasoline range organics (g), diesel range organics (d), or oil range organics (o)	EPA 8260	TPH-g	300	Requests for the Lab: 1. Please provide appropriate Limit of Quantitation (LOQ), Limit of Detection (LOD), Method Detection Limit (MDL) for each method. 2. Please ensure MDLs will detect for chemicals with
	EPA 8015	TPH-d	400	
		TPH-g	300	
		TPH-o	500	
TPH with Silicon Gel Cleanup (SGC) (TPH-d and TPH-o with SGC would only be analyzed in samples with positive detections of TPH-d and TPH-o without SGC).	EPA 3630 / 8015	TPH-d		
		TPH-o		
VOC (Full suite) against appropriate HDOH-EALs Including BTEX	EPA 8260 (full suite)			

**Appendix E Groundwater Sampling Plan
Revised December 27, 2021**

Parameters	Analytical method	Analytes	HDOH-EALs (ug/L)	Lab Limits
				low level EALs (e.g. Benzo-a-Pyrene).
SVOC (Full suite) against appropriate HDOH-EALs Including naphthalene, 1-methylnaphthalene, 2-methylnaphthalene	EPA 8270 SIM (full suite)			
One time Fuel Analysis of Free Product from the: (1) RHMW2254-01 (2) Waste in the AFFF tank (3) Infiltration Groundwater Sump where fuel was collected*	EPA 8015 B			Sample the waste in the AFFF tank if the waste is still representative of what was pumped from the Nov 20th release.
Total Organic Carbon	EPA 9060A			
Methane	RSK 175 M			
PFAS	EPA 537.1 or EPA 1633 (draft) **			from RHMW2254 -01. Only one time analysis is requested.
Lead Scavengers (1—dibromomethane and 1-2 dichloroethane)	EPA 8011 and EPA 8260			

** Run EPA draft method 1633 for matrices other than drinking water on the groundwater sample from RHMW2254-01. HDOH acknowledges that laboratories are likely not accredited for this new method.

**Appendix E Groundwater Sampling Plan
Revised December 27, 2021**

Table 3. Soil Vapor Monitoring and Summa Canister Sampling

SAMPLE TYPE	METHOD	LOCATIONS	FREQUENCY/DURATION
Soil Vapor Concentrations	Photo-ionization Detector (PID)	All SV probe locations including new probes installed since 11/20/21. Include background reading at each tank	Once per week for 2 months. Field note images delivered to DOH within 12 hours of collection and data tables listing ongoing results displayed within 7 days.
Summa Canister Samples	TO-15 & TO-3 w/ C5-C12	SVMP with highest PID readings (e.g., SV15S, SV17S, SV18S, SV20M) and most outer bound probe under the same tanks (SV15D, SV17D, SV18D, SV20D)	Once per month for 6 months.
	TO-15 & TO-3 w/ C5-C12	Collect one round of SVMP samples in the lower tunnel near station 400 and other SVMPs to fingerprint fuel signature	Consider future SVMP summa samples to evaluate migration of other older releases.

This page intentionally left blank

Appendix C – Index of Soil Vapor Analytical Data

Files listed in this appendix are available for download from the JBPHH Red Hill Bulk Fuel Storage Facility Environmental Data Management System (EDMS) at <https://synectics.net>. Appendix E provides database navigation tips.

- Laboratory Report, SDG 479304, Level 4
- Laboratory Report, SDG 482485, Level 4
- Laboratory Report, SDG 483282, Level 4

Appendix D – Index of Groundwater Analytical Data

Files listed in this appendix are available for download from the JBPHH Red Hill Bulk Fuel Storage Facility Environmental Data Management System (EDMS) at <https://synectics.net>. Appendix E provides database navigation tips.

- Table D-1: NOI Wells Index of Analytical Laboratory Reports and Data Validation Reports, by Sample Collection Date
- Table D-2: Delineation and Sentinel Wells Index of Analytical Laboratory Reports and Data Validation Reports, by Sample Collection Date

Appendix E – EDMS Navigation

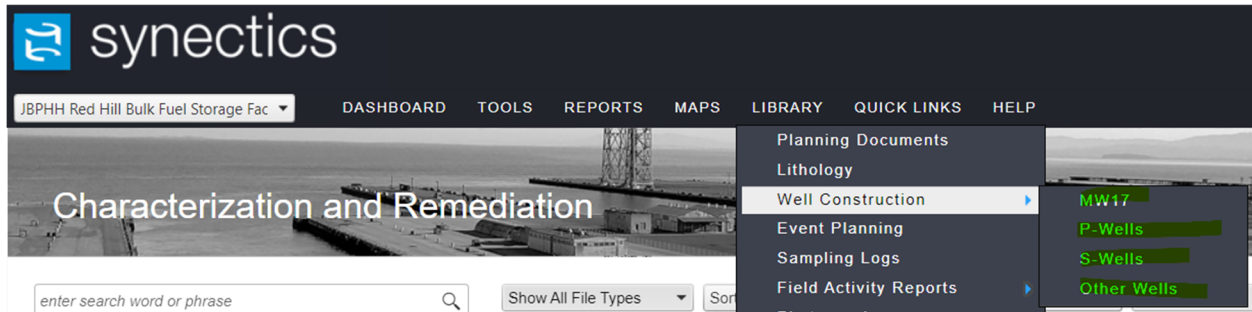
Detailed data referenced in this Quarterly RRR are provided in the JBPHH Red Hill Bulk Fuel Storage Facility Environmental Data Management System (EDMS) at <https://synectics.net>.

Navigation tips for accessing the following data are provided below:

- Groundwater monitoring well installation data
- Groundwater quality parameter data
- Characterization and remediation data
- Characterization and remediation analytical laboratory reports
- Soil vapor analytical laboratory reports
- Groundwater analytical laboratory reports
- Data validation reports
- Data validation qualifier tables
- Environmental data report tables

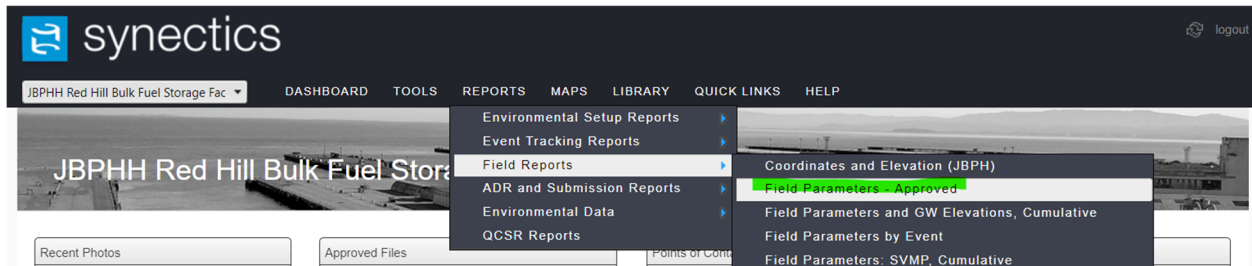
Groundwater Monitoring Well Installation Data. Approved groundwater monitoring well installation data reports can be accessed through Library → Well Construction:

- Well Construction Subcategories: MW17 (RHMW17), P-Wells (Delineation), S-Wells (Sentinel), and Other Wells (NOI and LTM).

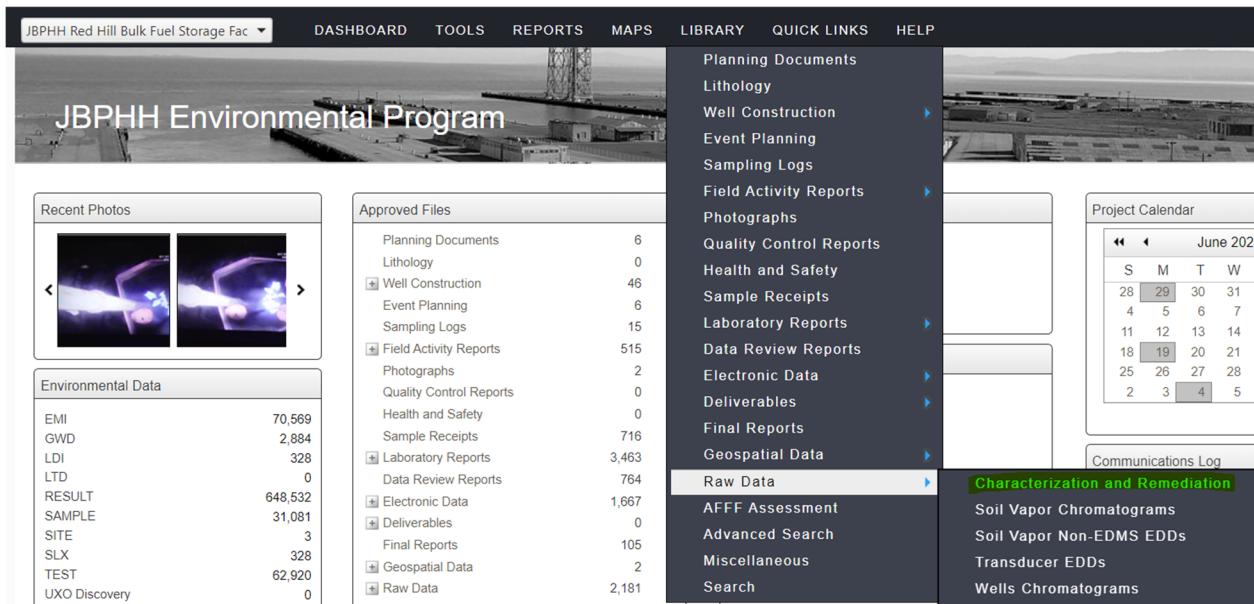


Groundwater Quality Parameter Data. Approved groundwater quality parameter data can be accessed through Reports → Field Reports → Field Parameters – Approved:

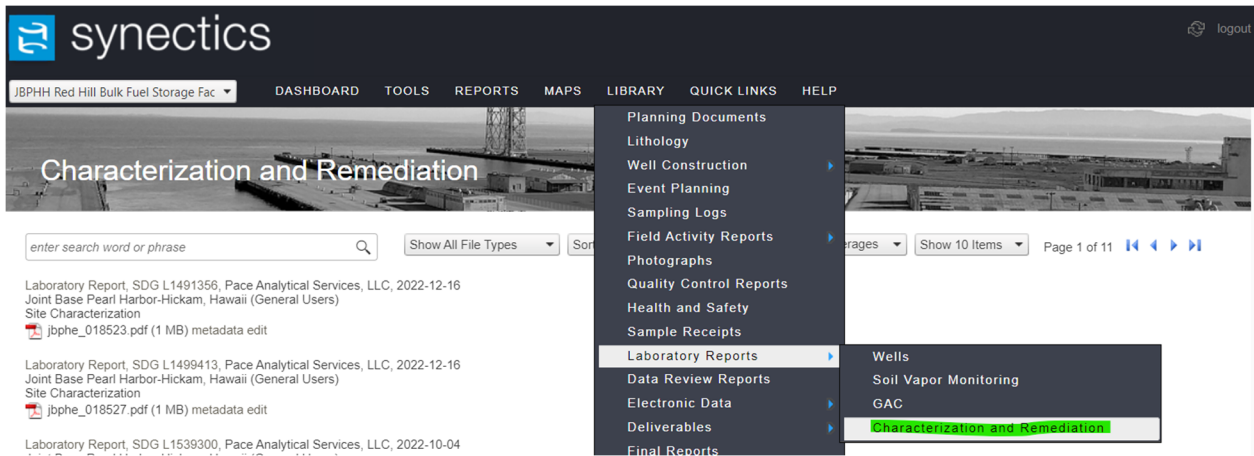
- NOI data are stored under RHS Recovery and Monitoring.
- Delineation and Sentinel Well data are stored under JBPHH Site Characterization.



Characterization and Remediation Data. Approved characterization and remediation raw data can be accessed through Library → Raw Data → Characterization and Remediation.



Characterization and Remediation Analytical Laboratory Reports. Approved characterization laboratory reports can be accessed through Library → Laboratory Reports → Characterization and Remediation.

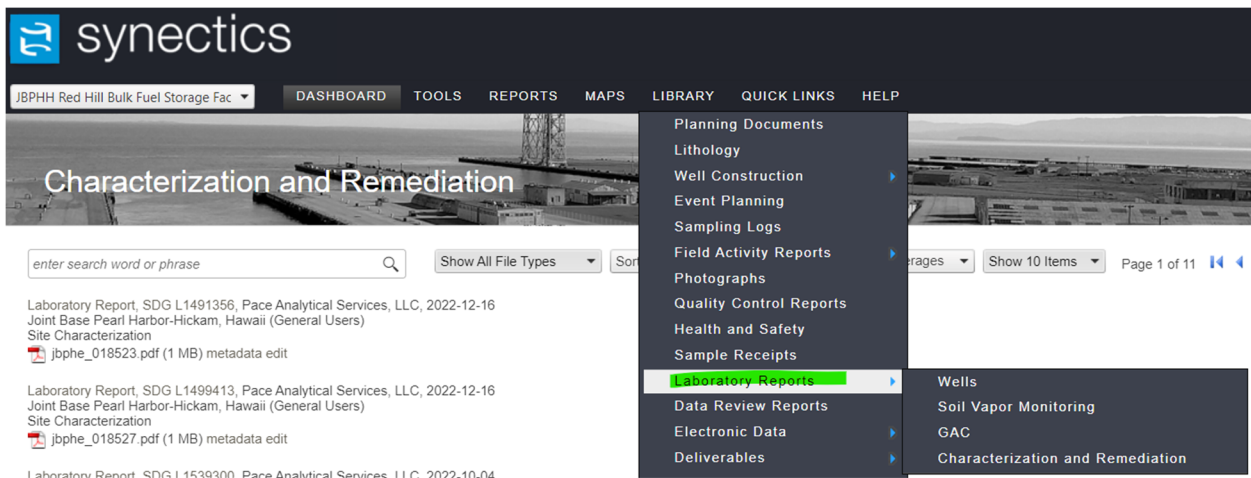


Soil Vapor Analytical Laboratory Reports. Approved soil vapor laboratory reports can be accessed through Library → Laboratory Reports → Soil Vapor Monitoring.



Groundwater Analytical Laboratory Reports. Approved groundwater analytical laboratory reports can be accessed through Library → Laboratory Reports:

- Laboratory Reports Subcategories: Wells → Coverage for Level 2 and Level 4 laboratory reports are Notice of Interest (NOI), P-Wells (Delineation), and S-Wells (Sentinel).



Data Validation Reports. Data validation reports can be accessed through Library → Data Review Reports:

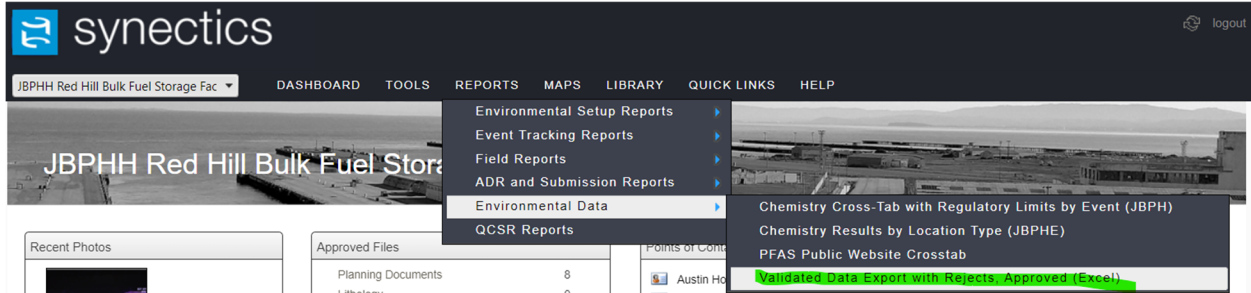
- Coverage for data validation reports are Notice of Interest (NOI), P-Wells (Delineation), and S-Wells (Sentinel).

The screenshot displays the website interface for the JBP HH Red Hill Bulk Fuel Storage Facility. The navigation bar includes 'DASHBOARD', 'TOOLS', 'REPORTS', 'MAPS', 'LIBRARY', 'QUICK LINKS', and 'HELP'. The 'LIBRARY' menu is open, showing a list of report categories: Planning Documents, Lithology, Well Construction, Sampling Logs, Field Activity Reports, Photographs, Quality Control Reports, Health & Safety Reports, Sample Receipts, Laboratory Reports, **Data Review Reports** (highlighted), Electronic Data, Deliverables, Final Reports, Geospatial Data, Raw Data, and Miscellaneous. The main content area is titled 'Data Review Reports' and contains a search bar with the placeholder text 'enter search word or phrase'. Below the search bar, there is a list of data validation reports, each with a PDF icon, a title, a date, and a file size. The reports listed are:

- Data Validation Report, SDG 51261UV, Laboratory Data Consultants, Inc., 2022-06-07 Joint Base Pearl Harbor-Hickam, Hawaii (Regulatory Users) jbphe_000755.pdf (2 MB) metadata edit
- Data Validation Report, SDG 51261W, Laboratory Data Consultants, Inc., 2022-06-07 Joint Base Pearl Harbor-Hickam, Hawaii (Regulatory Users) jbphe_000756.pdf (2 MB) metadata edit
- Data Validation Report, SDG 51843, Laboratory Data Consultants, Inc., 2022-06-07 Joint Base Pearl Harbor-Hickam, Hawaii (Regulatory Users) jbphe_000757.pdf (3 MB) metadata edit
- Data Validation Report, SDG 52229, Laboratory Data Consultants, Inc., 2022-06-07 Joint Base Pearl Harbor-Hickam, Hawaii (Regulatory Users) jbphe_000758.pdf (4 MB) metadata edit

Data Validation Qualifier Tables. Qualified validation results for groundwater and sump water data for this reporting period can be accessed through Reports → Environmental Data → Validated Data Export with Rejects, Approved (Excel):

- NOI data are stored under RHS Recovery and Monitoring.



Environmental Data Report Tables. Validated results for soil, groundwater, sump water, and soil vapor can be accessed through Reports → Environmental Data → Chemistry Cross-Tab with Regulatory Limits by Event or Chemistry Results by Location Type.

- Characterization and Remediation data are stored under JBPHH Site Characterization, and event(s) of interest can be selected from the drop-down menu.

