



Naval Facilities Engineering Systems Command Hawaii

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

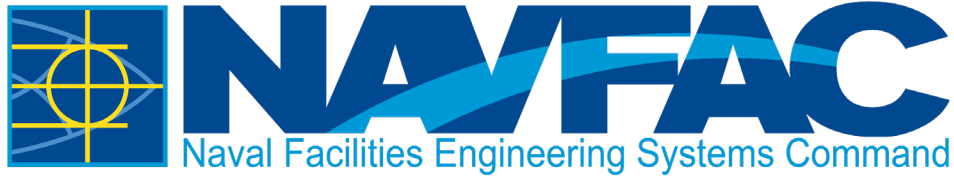
DOH Facility ID No. 9-102271

DOH UST Release ID Nos. 140010, 210012

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

September 18, 2023

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September 18, 2023

Prepared for NAVFAC Hawaii by

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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 (April 18 to July 14, 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, including Notice of Interest (NOI), delineation, and sentinel wells

- 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 (CHT) Tank site characterization planning activities
- Remediation pilot test planning activities

Results from this reporting period indicate 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 NOI, 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.

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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
BTEXMN	benzene, toluene, ethylbenzene, xylenes, and methylnaphthalene
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
LTM	long-term monitoring
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
NAP	natural attenuation parameter
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
NVDOC	non-volatile dissolved organic carbon
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

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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 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 subsurface (soil or volcanic bedrock) near United States (U.S.) Department of the Navy (Navy) Well 2254-01 (Red Hill Shaft). Some of the fuel entered the Joint Base Pearl Harbor-Hickam (JBPHH) Water Distribution System or was pumped from the sump to an aboveground 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. Release 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 April 18 to July 14, 2023 in response to the January 2014, May 2021, and November 2021 Releases at the Facility. This includes laboratory data that were finalized (validated) during this period, not necessarily from samples collected during this period, due to the lag between sample collection and validation. 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
- Continued Adit 3 and Pearl Harbor Tunnel site characterization activities
- Continued Collection, Holding, and Transfer Tank (CHT) site characterization investigation planning activities
- Continued remediation and treatability study pilot test planning activities

This report presents field observations and final analytical results available through the reporting period ending July 14, 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 (DOH and the United States [U.S.] Environmental Protection Agency [EPA]) 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 sorbent materials, skimmers, direct recovery from piping, and soil excavation. In addition, pumping of Red Hill Shaft will continue to remove any dissolved constituents that are captured by pumping in the vicinity of 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
- Draft Technical Memorandum, Phase 2 Holding Tank and Leach Tank Characterization, November 2021 Pipeline Release; May 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
- Quarterly Release Response Report, Red Hill Bulk Fuel Storage Facility; June 20, 2023
- Final Technical Memorandum, Phase 2 Holding Tank and Leach Tank Characterization, November 2021 Pipeline Release; July 13, 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 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 recovered JP-5 fuel from the tunnel drain system and then performed 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 Red Hill Shaft water supply pumping station and approximately 200 ft east of the junction with the Pearl Harbor Tunnel. The release point is 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 westward along the Adit 3 Tunnel floor 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.

The November 2021 Release released fuel to the environment from natural and manmade penetrations through the concrete tunnel floor, from fuel that accumulated in the Adit 3 Sump, and from fuel that was inadvertently pumped from the Adit 3 Sump to the Holding Tank and Leach Tank area. Fuel was also observed in the water development tunnel of Red Hill Shaft. Upon confirmation that a fuel-like odor was present in drinking water in homes served by Red Hill Shaft, the supply well was shut off and isolated from the JBPHH Water Distribution System on November 28, 2021.

2.1 Site Description

The 144-acre underground fuel storage Facility is located in south-central O‘ahu approximately 2–3 miles east of Pearl Harbor, within the Red Hill ridge that divides South Hālawā Valley from Moanalua Valley on the southwest flank of O‘ahu’s Ko‘olau mountain range (Figure 1). The Facility’s twenty fuel storage tanks were used to store and supply fuel for military operations in Hawai‘i and throughout the Pacific. The tank bottoms are situated approximately 100–130 ft above an underlying basal aquifer that is a major municipal and military drinking water source.

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.

(b) (3) (A)

Figure 1
Location of Releases and
Groundwater Monitoring Wells
Quarterly Release Response Report
Red Hill Bulk Fuel Storage Facility
JBPHH, O'ahu, Hawai'i

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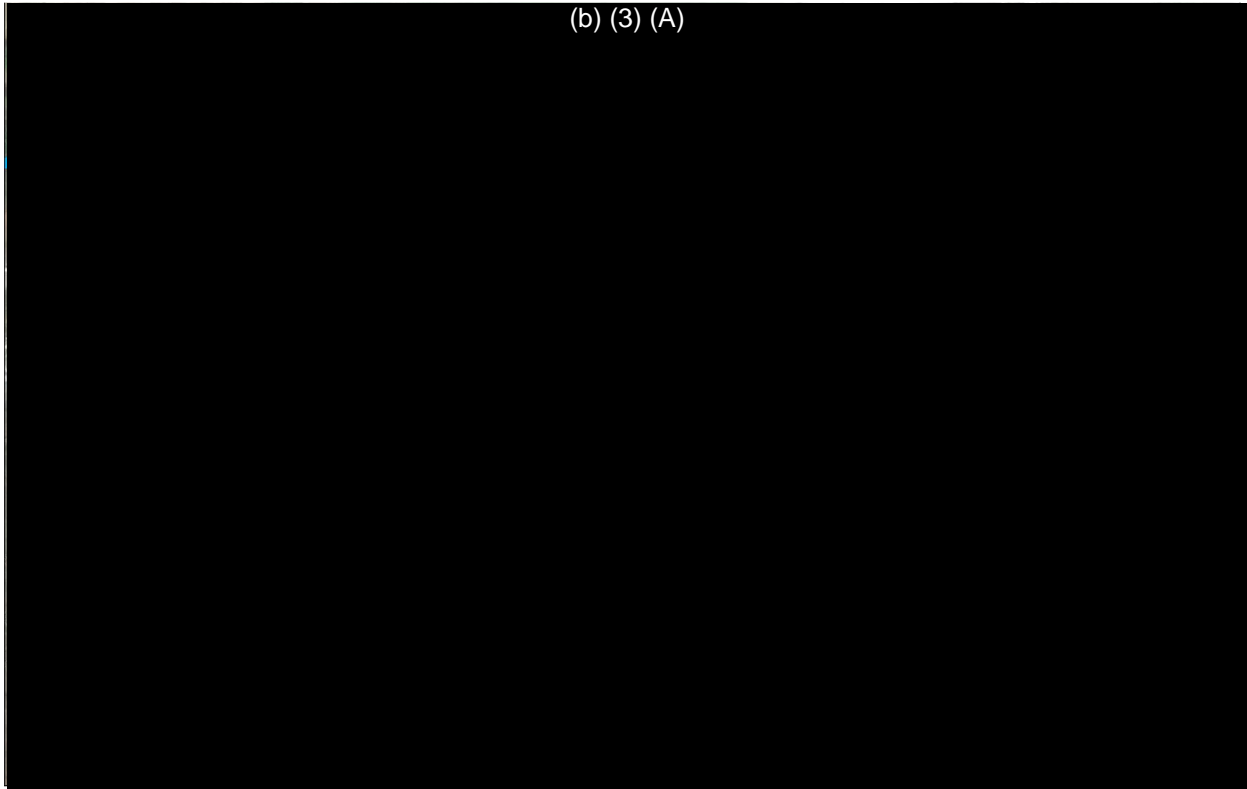


Figure 2: Adit 3 and Pearl Harbor Tunnel Layout Map

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 Hālawā Stream (an ephemeral stream approximately 600–800 ft north of the tanks), North Hālawā 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 Hālawā Quarry north of the Facility may also impact groundwater flow in this area. Groundwater that flows beneath the Facility does not intercept surface water inland of the ocean shoreline (DON

2007). Both South Hālawā 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 bottom 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. In Hālawā 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)

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 west of the nearest tank. Red Hill Shaft formerly provided potable water to the JBPHH Water Distribution System, which serves approximately 65,200 military customers; however, the potable water is now supplied by Waiawa Shaft, located approximately 5.4 miles 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 sugar 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. Army 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 1, 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 liquid petroleum hydrocarbon fuels (light nonaqueous-phase liquid [LNAPL]; i.e., free product) 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 are summarized in Table 2-1.

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

Investigation Report	Summary
<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.
<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 I 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>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.

Investigation Report	Summary
<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.
<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; 2023k)	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 2022l; 2023f; 2023j)	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 2023h)	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; forensic 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 3). Passivated canister samples for laboratory analysis are collected at least monthly at probes SV15S, SV15D, SV17S, SV17D, SV18S, SV18D, SV20S, and SV20M.



Figure 3: 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 other than Red Hill Shaft and temporary wells screened in the shallow perched water zone beneath the Adit 3 Tunnel floor adjacent to the 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 began in June 2021. The groundwater sampling locations were increased to include RHMW05 and RHMW2254-01 in September 2021 following the detection of TPH-diesel range organics (TPH-d) and TPH-residual oil range organics (TPH-o) in the Red Hill Shaft pre-chlorination samples, including detections of TPH-o above the DOH Environmental Action Level (EAL) that occurred in August and September 2021.

Following the November 2021 Release, the December 2021 *NOI Groundwater Sampling Plan* was prepared (IDWST 2022, Exhibit C) (reproduced in Appendix B.6), and groundwater sampling locations were further expanded in December 2021 and January 2022 to include weekly sampling at RHMW04, RHMW06, RHMW08, RHMW09, RHMW12A, RHMW16, RHMW19, OWDFMW01, OWDFMW04A, OWDFMW05A, OWDFMW07A, OWDFMW08A, and multilevel wells RHMW11-05 (Zone 5), RHMW13-05 (Zone 5), RHMW14-03 (Zone 3), and

RHMW15-05 (Zone 5), along with including sump water sampling from the Adit 3 Sump. Monitoring well RHMW17 was installed and added to the NOI groundwater sampling program in June 2022. During this reporting period, construction was completed at monitoring well RHMW20 (located at the base of Red Hill north of the central tank farm) in June 2023, and coring and drilling commenced at RHMW18 (located on Red Hill northeast of the upper tank farm)

Delineation Wells. Starting in 2022, a set of “RHP” wells has been installed at locations shown on Figure 1 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, nine delineation wells are complete (RHP01, RHP02, RHP03, RHP04A, RHP04B, RHP04C, RHP05, RHP06, and RHP07), and installation is underway at 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 “NMW” sentinel wells (DON 2017e) as part of expanding the groundwater monitoring network following the November 2021 Release commenced in November 2022 with completion and sampling of well NMW24. NMW24 is located in a developed area of the town of ‘Aiea southeast of water supply well Navy ‘Aiea Hālawa Shaft and northwest of the western portion of the Facility (see Figure 1). During this reporting period, construction was completed at NMW25 in July 2023, and coring and drilling commenced at NMW30 (both are located south of Red Hill Shaft and the delineation well cluster).

The Navy provided a *Sentinel and Monitoring Well Installation Work Plan Addendum #1* (DON 2023g) 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 the sampling frequency, identified free product gauging and PID headspace measurements, and standardized sample collection methodology to low-flow purging. Monthly sampling under the consolidated program began in June 2023.

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 2023h). Site characterization activities of the saturated zone continue at Adit 3, and an Operable Unit (OU-) 2 report that will evaluate the deep vadose zone is forthcoming. Site characterization sampling locations are shown on Figure 4 and Figure 5, 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 6.

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; benzene, toluene, ethylbenzene, and xylenes (BTEX); and naphthalene, 1-methylnaphthalene, 2-methylnaphthalene (N, 1MN, and 2MN).

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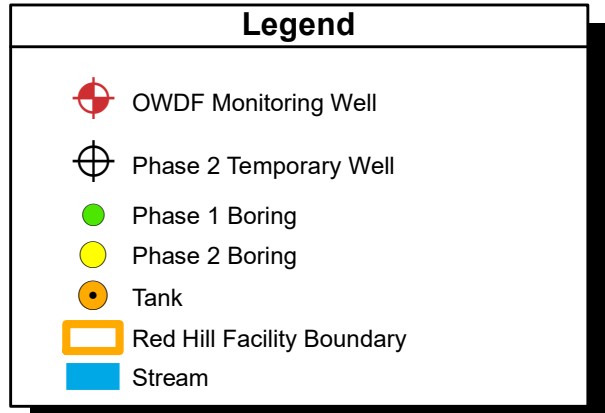
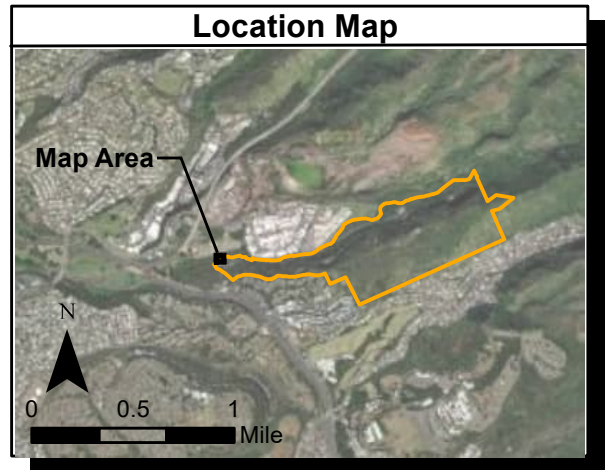
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- ### Notes
1. Map projection: NAD 1983 Hawaii State Plane Z3 ft
 2. Base Map Source: U.S. Geological Survey, 2011, USGS High Resolution Orthoimagery for Honolulu, Hawaii
 3. Location Map Source: Service Layer Credits: Source: Esri, Maxar, GeoEye,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

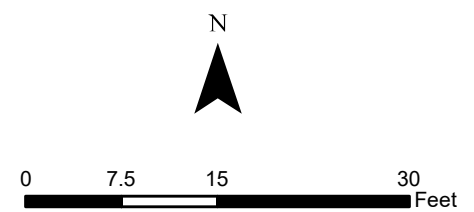


Figure 6
Holding Tank and Leach Tank
Sampling Location Map
Quarterly Release Response Report
Red Hill Bulk Fuel Storage Facility
JBPHH, O'ahu, Hawai'i

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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 in a *Final Technical Memorandum, Phase 2 Holding Tank and Leach Tank Characterization, November 2021 Pipeline Release* (DON 2023k) on July 13, 2023. 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 heterogenous lithologies, assess the constructability of the technologies, and identify design parameters prior to full-scale implementation.

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). The Navy authorized the installation of components of the Shallow SVE/AS and NSZD studies in April 2023. Components consisted of AS points, shallow and deep SVMs, a shallow SVE well, and a Hume line SVE point.

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

AO and NOI Soil Vapor Sampling at the Tank Farm. The Navy installed SVMs 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 3) (DON 2007). These SVMs 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 SVMs 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 SVMs 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 development of the current remedial pilot studies and 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.

Site Characterization at Adit 3. Free product gauging and headspace measurements are conducted weekly in the Adit 3 Tunnel in areas affected by the November 2021 Release. Data are used to support development of the current remedial pilot study design in the area.

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.

Groundwater sample collection from June 5, 2023 and onward has been consolidated to include NOI, Groundwater Long-Term Monitoring (GW LTM), and delineation and sentinel groundwater sampling programs into one comprehensive, optimized groundwater sampling program (DON 2023i). This program optimizes the sampling programs for targeted sampling for faster laboratory turnaround times and more efficient data analyses. Sections 5.3 and 6.3 provide details of the consolidated groundwater sampling program. Sample results are currently in validation.

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.
- 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.

- $\mu\text{g}/\text{L}$ micrograms per liter
- $\mu\text{g}/\text{m}^3$ micrograms per cubic meter
- mg/kg milligrams per kilogram
- N/A not applicable; EAL not provided
- N naphthalene
- 1MN 1-methylnaphthalene
- 2MN 2-methylnaphthalene
- TPH-g TPH-gasoline range organics
- TPH-d TPH-diesel range organics
- TPH-o TPH-oil 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. Summaries of site characterization activities associated with the Adit 3 and Pearl Harbor Tunnel and the Holding Tank and Leach Tank area are included below, and as noted in Section 3.0, the data for these two investigations are documented in separate reports (DON 2023h; 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 3.

Under the NOI, all below-tank SVMPs were monitored weekly during this reporting period, and their location are shown on Figure 3. 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.

5.1.2 Adit 3 and Pearl Harbor Tunnel SVMPs and SVE/NSZD Pilot Project

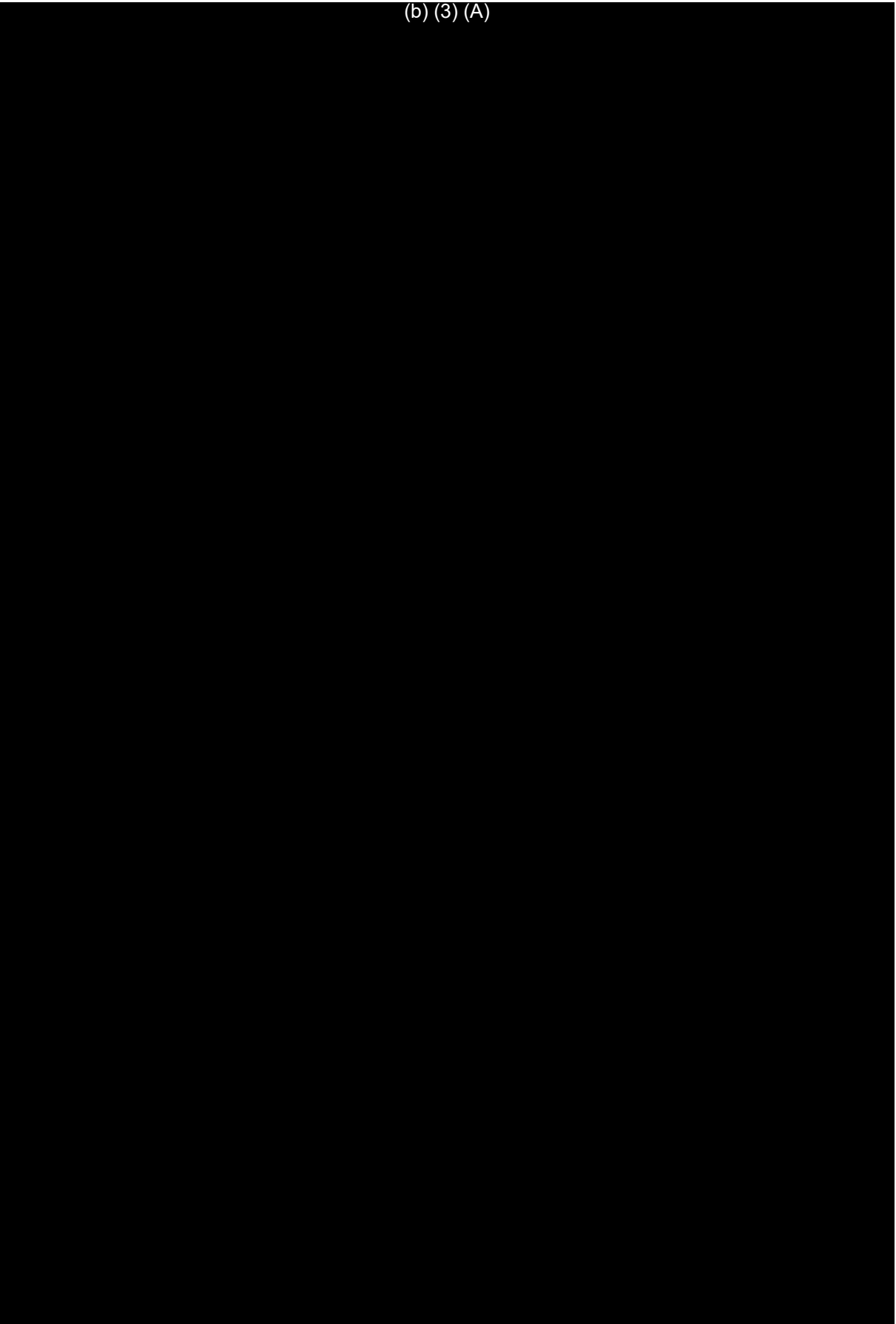
Seven SVMP monitoring events were conducted during this reporting period, as part of implementing the *Preliminary Site Characterization Plan* (DON 2022a) and *LNAPL Site Characterization Plan* (DON 2022e) (Section 3.3) including both planned monthly SVMP monitoring events and out-of-frequency events conducted in response to rainfall events. Figure 7A and Figure 7B depict the location of each tunnel subslab and near-surface SVMP and the organic vapors measured between April 24 and July 14, 2023 (the last sampling event within this reporting period). In addition, monthly sampling events were conducted using passivated canisters of selected subslab and deep SVMP locations. In addition to results presented in prior reports, validated results for the March and April 2023 sampling events are available in EDMS (see Appendix E - Soil Vapor Analytical Laboratory Reports).

Shallow SVE and NSZD pilot project field activities were also conducted during this reporting period:

- Nine shallow SVMPs were installed between April 3 and April 19, 2023.
- AS points were installed in four locations between May 3 and May 18, 2023.
- A shallow SVE well was installed between May 19 and May 24, 2023.
- A Hume line SVE point was constructed from May 31 to June 15, 2023.

Additional work conducted outside on the Adit 3 Tunnel included a geophysical survey to identify underground utilities (June 29 and 30, 2023). Future work (August and September 2023) outside of and in Adit 3 will include geotechnical drilling and reporting, final foundation design, interior piping, and pad / piping trench construction. Shallow SVE pilot system startup is scheduled for late September 2023.

(b) (3) (A)



(b) (3) (A)



5.2 Free Product Gauging and Groundwater Monitoring Well Headspace Measurements

AOG 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.

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.

Starting in June 2023, free product gauging and PID headspace measurements were conducted monthly as part of the consolidated sampling program (see Section 3.2).

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 4), and additional step-out borings were installed to evaluate the extent of LNAPL on the perched water table (Figure 5). 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 2023h).

5.3 Groundwater and Adit 3 Sump Water Sampling

In June 2023, the monthly consolidated groundwater sampling program began with the removal of OWDF wells and Adit 3 Sump sampling and the addition of sampling at RHMW10 (June), HDMW2253-03 (July), and new wells RHMW20 (June) and RHP06/NMW25 (July). Drilling and installation commenced for RHMW18 (conductor casing installation). 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) and the Consolidation and Optimization of the Groundwater Sampling Programs (DON 2023i), 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, RHMW17, and RHMW20 (started in June 2023), located within the Facility boundary northeast and northwest of the tank farm in locations along the Facility’s northern border
 - RHMW09, RHMW10 (started in June 2023), 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; OWDF well sampling stopped in June 2023
 - RHMW11-05, RHMW12A, and RHMW14-03, located outside the Facility boundary north of the tank farm on the grounds of the Hālawā Correctional Facility
 - HDMW2253-03 (started in July 2023), located outside the Facility’s northern boundary
- Delineation wells RHP01, RHP02, RHP03, RHP04A, RHP04B, RHP04C, RHP05, RHP06 (started in July 2023), and RHP07
- Sentinel wells NMW24 and NMW25 (started in July 2023)
- Adit 3 Sump (stopped in June 2023)

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 (Before Consolidated 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, OWDFMW8A, 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 6.0.

5.3.2 Delineation Well Groundwater Sampling (Before Consolidated 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 1. Each well was sampled using a low-flow pump twice monthly.

5.3.3 Sentinel Well Groundwater Sampling (Before Consolidated 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 (Before Consolidated Groundwater Sampling)

Adit 3 Sump water was sampled with a bailer during the weekly sampling. Five sampling events were validated during this reporting period from sump water samples collected on January 5, March 8, March 22, March 29, and April 5, 2023.

5.3.5 Consolidated Groundwater Sampling

Monthly consolidated groundwater sampling commenced in June 2023 using the low-flow collection method at the NOI, delineation well, and sentinel well locations described in Section 3.1.

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			
Full list VOCs, including 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

Parameter	Number/Type of Containers per Sample	Preservative	Holding Time
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
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
- SGC silica gel cleanup
- 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 C5–C12 by Method TO-3
 - Individual VOCs by Method TO-15 (below-tank samples)
 - Oxygen, carbon dioxide, and methane by Method ASTM D1946 (below-tank samples)
 - Total VOCs C5–C12 by Method Modified TO-3 (Adit 3 samples)
 - Total VOCs C5–C18 by Method Modified TO-17 (Adit 3 samples)
 - Individual VOCs by Method TO-15 (Adit 3 samples)
 - Oxygen, carbon dioxide, methane, and helium by Method Modified ASTM D1946 (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
 - Total organic carbon (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 Total VOCs (C5–C12 by Modified Method TO-3 and C5–C18 by Modified Method TO-17); VOCs by Method TO-15; and oxygen, carbon dioxide, methane, and helium by Modified Method ASTM D1946.

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
- TOC
- Methane

For those samples in which TPH-d or TPH-o was 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.

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, and 2MN. The analytical testing was conducted by Eurofins Seattle.

6.3.5 *Adit 3 Sump Water Analyses*

Five water samples collected from the Adit 3 Sump were analyzed for the same parameters as the NOI groundwater samples 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.

6.3.6 *Consolidated Groundwater Sampling Program Analyses*

The Consolidated Groundwater Sampling Program is an integration of the various groundwater monitoring programs (NOI, GW LTM, delineation well, and sentinel well sampling) into one overall program based on the substantial amount of laboratory results, DOH guidance, and the composition of the fuels stored at the Facility.

The following ten primary COPCs were established in February 2016 (EPA Region 9 and DOH 2016) for the AOC investigations and the GW LTM Program and remain the same for the Consolidated Sampling Program:

- TPH-g, TPH-d, and TPH-o
- N, 1MN, and 2MN
- BTEX

Additional PAHs analyzed for NOI sampling also continue as part of the Consolidated Sampling Program since some PAHs are potentially associated with jet fuels at low concentrations. Non-volatile dissolved organic carbon has also been added to the natural attenuation parameter (NAP) list for monthly sampling.

Table 6-2 summarizes the analytical list for the Consolidated Groundwater Sampling Program, which includes monthly analytes, analytical methods, and screening criteria.

Table 6-2: Consolidated Groundwater Sampling Program – Monthly NOI

Parameter	Analytical Method	Analyte(s)	GW Screening Criterion (DOH EAL) (µg/L)
TPH	EPA 8260	TPH-g	300
	EPA 8015	TPH-d	400
		TPH-o	500
Total TPH	—	Reported as a non-overlapping sum of TPH-g/d/o with BTEXMN subtracted	—
TPH with SGC	EPA 3630/8015	TPH-d	—
		TPH-o	—
VOCs	EPA 8260	Benzene	5
		Ethyl Benzene	30
		Toluene	40
		Total Xylenes	20
AOC / LTM PAHs	EPA 8270 SIM	1-Methylnaphthalene	10
		2-Methylnaphthalene	10
		Naphthalene	17
PAHs	EPA 8270 SIM	Acenaphthene	20
		Acenaphthylene	240
		Anthracene	0.18
		Benzo(a)anthracene	0.029
		Benzo(a)pyrene	0.2
		Benzo(b)fluoranthene	0.22
		Benzo(g,h,i)perylene	0.13
		Benzo(k)fluoranthene	0.4
		Chrysene	1
		Dibenzo(a,h)anthracene	0.022
		Fluoranthene	13
		Fluorene	240
		Indeno(1,2,3-cd)pyrene	0.095
		Phenanthrene	210
Pyrene	68		
Fuel Additives	EPA 8270	Phenol	300
Lead Scavengers ^a	EPA 8011	1,2-Dibromoethane	0.04
	EPA 8260	1,2-Dichloroethane	5

Parameter	Analytical Method	Analyte(s)	GW Screening Criterion (DOH EAL) (µg/L)
NAPs	RSK 175M	Methane	—
	EPA 9060A	TOC	—
	EPA 9060A	NVDOC	—

— not applicable

BTEXMN benzene, toluene, ethylbenzene, xylenes, and methylnaphthalene

NVDOC non-volatile dissolved organic carbon

^a Discontinued if 1 year's worth of sampling at newly constructed wells shows levels are below DOH EALs.

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).

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 1.1 ppmv or less and occurred only occasionally throughout this reporting period with the exception of OWDFMW08A, which had readings of 4.3 and 1.8 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 the exception of RHP04C, which had readings of 8.9 and 2.6 ppmv.

Headspace readings at sentinel well NMW24 were 0.0 ppmv.

Headspace readings at Adit 3 Sump ranged from 0.0 to 15.0 ppmv during this reporting period. During the previous reporting period, headspace readings of 114.8 and 100.1 ppmv were recorded on March 23 and April 5, 2023, respectively. These elevated headspace readings coincided with elevated concentrations of petroleum-related constituents measured in sump water samples collected on these dates

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.
- A yellow tint was observed in the water collected from OWDFMW01 during some sampling events.
- 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.

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. 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:

- Four TPH-o samples were qualified as estimated due to LCS / LCSD and MS / MSD imprecision.
- Three TPH-d samples were qualified as estimated due to LCS / LCSD and MS / MSD imprecision.
- Three SVOC samples were qualified as estimated due to LCS / LCSD imprecision.

- One VOC sample was qualified as estimated due to MS/ MSD imprecision.
- One methane sample was qualified as estimated due to laboratory replicate imprecision.

The precision criteria were met for delineation and sentinel well samples throughout the reporting period.

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 validated during the reporting period deviated from the established quality control criteria:

- One not-detected primary and one field duplicate result for TPH-d were flagged as estimated (UJ) because surrogate or MS/MSD %Rs were outside acceptance limits. One detected result for TPH-d was qualified as estimated (J) because of QC samples recovering outside the acceptance limit.
- Two not-detected primary and one field duplicate result for TPH-o were flagged as estimated (UJ) because surrogate %Rs were outside acceptance limits. One detected result for TPH-o was qualified as estimated (J) because of QC samples recovering outside the acceptance limit.
- Twenty primary and eight field duplicate not detected results for VOC were qualified as estimated (UJ) because the %D for the initial and closing CCV exceeded control limits.
- Three not-detected primary results for PAH were flagged as estimated (UJ) due to surrogate %R recovering outside acceptance limits. Twenty-six primary and five field duplicate not

detected results were qualified as estimated (UJ) because the %D for the initial and closing CCV exceeded control limits. Two detected results for PAH were qualified as estimated (J) because the %D for the initial and closing CCV exceeded control limits or QC samples recovered outside the acceptance limit.

- Three not-detected primary and one duplicate result for SVOC were flagged as estimated (UJ) because the MS or surrogate %R recovered outside acceptance limits.
- 172 primary and 19 field duplicate not-detected results for SVOCs were qualified as estimated (UJ) because the %D for the initial and closing CCV exceeded control limits.
- Twenty-one primary not detected results for ethylene dibromide were qualified as estimated (UJ) because the %D for the initial and closing CCV exceeded control limits.
- Eight detected results for TOC were qualified as estimated (J), estimated-biased high (J+), or estimated-biased low (J-) because of QC samples recovering outside the acceptance limit.
- Two detected results for total lead were qualified as estimate (J) or estimated, biased high (J+) because QC samples recovered outside the acceptance limit.

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

- The not-detected results for PAHs in RHP05 and RHP04B collected March 17, 2023 were flagged as estimated (UJ) due to surrogate recoveries outside acceptance limits.

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):

- Six not-detected methane results were qualified as estimated (UJ) and two detected methane results were qualified as estimated (J) or estimated-biased low (J-) for NOI or delineation well samples due to headspace observed in the sample.

Rejected data occurred due to significant deficiencies in meeting the published method and project QC criteria, as explained in Section 8.3.4.

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.
 - 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.”

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

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 (%)
1/5/2023	100 U	110 UJ	—	310 U	320 UJ	—
3/8/2023	77 U	95 U	—	230 U	280 U	—
3/22/2023	93 J	100 U	—	300 U	310 U	—
3/29/2023	100 U	100 U	—	300 U	300 U	—
4/5/2023	100 U	100 U	—	310 U	310 U	—
5/4/2023	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 for the NOI groundwater and sump water data 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:

- Four VOC, twenty-one SVOC, one lead, two PAH, and three methane groundwater and sump water results were qualified not detected (U) due to contamination in field, equipment, instrument 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, instrument, or trip blank contamination:

- Three VOC detected results were flagged as estimated (J) due to contamination in the field, equipment, or trip blanks
- Two SVOC detected results were flagged as estimated (J) due to contamination in the field, laboratory, or equipment blanks.
- One ethylene dibromide detected result was flagged as estimated, biased high (J+) due to contamination in the trip blank.
- Three total lead detected results were flagged as estimated (J) due to contamination in the instrument blank.

No detections were reported for blanks associated with delineation and sentinel wells during the reporting period.

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).

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:

- Twelve TPH-d and six TPH-o not-detected results were flagged as estimated (UJ) due to sample preparation occurring beyond the method recommended holding time.

- Two PAH not-detected results were flagged as estimated (UJ) due to sample preparation occurring beyond the method recommended holding time.
- Three SVOC not-detected results were flagged as estimated (UJ) due to sample analysis occurring beyond the method recommended holding time.
- Ten ethylene dibromide not-detected results were flagged as estimated (UJ) 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:

- Four TPH-d and three TPH-o not detected results were qualified as estimated (UJ) due to sample preparation beyond the 7-day holding time.
- Results for nitrate and ferrous iron in one sample 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 for the NOI sampling events included 460 SVOC, VOC, ethylene dibromide, or TOC results out of 37,980 results that were rejected due to quality control samples significantly exceeding control limits.

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 and is excluded for data usability and assessment. The following results for the NOI sampling events, that were impacted include:

- 107 primary and sixteen field duplicate samples for SVOCs were rejected (R) due to QC samples having recoveries significantly outside the acceptance limit. Seventeen primary and two field duplicate samples were rejected (R) because the %D for the initial or closing CCV significantly exceeded control limits.
- Three primary and two field duplicate samples for VOCs were rejected (R) because the %D for the initial or closing CCV significantly exceeded control limits.
- One primary sample for ethylene dibromide was rejected (R) because the %D for the initial or closing CCV significantly exceeded control limits.
- Two primary samples for TOC were rejected (R) due to the CCV recovery being significantly outside the acceptance limit.

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.

8.3.6 Sensitivity

The LOQs are established by the laboratory based on the LODs or instrument detection limits and limits established for the various methods. The LOQs and LODs for samples may require 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 99 percent of the 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 for laboratory reports validated during this reporting period 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 vapor 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 four additional out-of-frequency monitoring events conducted after rainfall events of greater than 1 inch within a 24-hour period. Figure 7A and Figure 7B show 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 figures, 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 two monthly sampling events (i.e., March 2023 and April 2023). For March 2023, passivated canister samples were collected from 17 subslab and deep SVMP locations with field duplicate samples collected from two of these locations. For April 2023, passivated canister samples were collected from 15 subslab and deep SVMP locations, with field duplicate samples collected from two of these locations. Soil vapor analytical data reports for passivated canister samples collected at Adit 3 Tunnel sampling locations are indexed in Appendix C. The results for these 36 samples (including the four field duplicates) are summarized as follows:

- **Fixed Gas Results:** Oxygen concentrations ranged from 4.9% to 22%. Carbon dioxide concentrations ranged from 0.076% to 6.5%. Methane ranged from non-detect (<0.0001%) to 0.2%.
- **Total VOCs by TO-3 and TO-17:** Total VOC concentrations were reported for two carbon ranges (C5–C12 by method Modified TO-3 and C5–C18 by method Modified TO-17).

- By Modified Method TO-3, detectable concentrations of total VOCs were reported in all samples, with C5–C12 concentrations ranging from 260 $\mu\text{g}/\text{m}^3$ to 140,000 $\mu\text{g}/\text{m}^3$.
- By Modified Method TO-17, C5–C18 concentrations ranged from non-detect (<20,000 $\mu\text{g}/\text{m}^3$) to 260,000 $\mu\text{g}/\text{m}^3$.
- **Individual Petroleum VOCs by TO-15:** Individual VOC analytical results for the March and April 2023 samples events (36 samples total) are summarized in Table 9-1. As shown, the concentrations of individual VOCs ranged from non-detect to 960 $\mu\text{g}/\text{m}^3$.

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

Analyte	Number of Detections (36 Total Samples)	Maximum Concentration ($\mu\text{g}/\text{m}^3$)
1,2,4-Trimethylbenzene	18	620
1,3,5-Trimethylbenzene	14	170
1,3-Butadiene	0	ND
2,2,4-Trimethylpentane	5	98
2-Butanone (MEK)	29	33
2-Hexanone	2	7
2-Methylpropane	12	32
4-Ethyltoluene	17	300
4-Methyl-2-pentanone (MIBK)	3	3.3
Acetone	32	350
Benzene	16	5.4
Carbon disulfide	1	16
Cumene	8	25
Cyclohexane	18	44
Ethanol	36	250
Ethyl acetate	3	32
Ethylbenzene	16	25
Isopropanol	21	50
m,p-Xylene	23	100
Methyl tert-butyl ether (MTBE)	2	2
Naphthalene	14	960
n-Heptane	16	25
n-Hexane	11	18
n-Propylbenzene	13	65
o-Xylene	23	62
p-Cymene (p-Isopropyltoluene)	5	110
Propylene	18	38
sec-Butylbenzene	36	110
Styrene	0	ND
Toluene	27	28
Vinyl acetate	0	ND

9.2 Free Product Gauging and Headspace Measurements at Groundwater Monitoring Wells

Free product gauging results and headspace measurements collected through July 14, 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 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 TPH 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 not detected in any sample during the reporting period. 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 Section 10.2.2 and Table 10-1. Overall TPH-d detections are summarized in Table 9-2 and depicted on Figure 8.

TPD-d exceedances were reported for all samples at in-tunnel well RHMW02 (which consistently exceeds EALs) and for two samples at outlying well RHMW08 (840 µg/L and 620 µg/L, above the EAL of 400 µg/L). The maximum detected concentration for TPH-d from the in-tunnel wells is at RHMW02 (2,400 µg/L). The maximum concentration at RHMW08 was 840 µg/L.

Table 9-2. Summary of Analytical Groundwater Results Received During the Current Reporting Period (4/18/2023 to 7/12/2023)

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 and Fuel Related Compounds																
TPH-g (Eurofins Labs)	PHCC6C10	8260	µg/L	182	182	0	0.0%	ND		ND		—	—	300	0	0.0%
TPH-d (Eurofins Labs)	PHCC10C24	8015DM	µg/L	182	140	42	23.1%	74	J	2400		RHMW09	RHMW02	400	10	5.5%
TPH-d (Eurofins Labs) with Silica Gel Cleanup	PHCC10C24SGC	8015DM	µg/L	43	27	16	37.2%	62	J	600		RHMW17	RHMW02	—	0	0.0%
TPH-o (Eurofins Labs)	PHCC24C40	8015DM	µg/L	182	157	25	13.7%	160	J	890		OWDFMW08A	RHMW08	500	5	2.7%
TPH-o (Eurofins Labs) with Silica Gel Cleanup	PHCC24C40SGC	8015DM	µg/L	43	38	5	11.6%	180	J	440		RHMW19	RHMW04	—	0	0.0%
Total Organic Carbon	—	—	µg/L	160	37	123	76.9%	350	J	13000		OWDFMW08A	RHMW08	—	0	0.0%
1,2-Dibromoethane	106-93-4	8011	µg/L	161	152	9	5.6%	0.0022	J	0.065	J+	RHMW14-03	RHMW12A	0.04	2	1.2%
Methane	74-82-8	SW8015M	µg/L	162	130	32	19.8%	0.65	J	3600		RHMW11-05	RHMW02	—	0	0.0%

Table 9-2. Summary of Analytical Groundwater Results Received During the Current Reporting Period (4/18/2023 to 7/12/2023) (cont'd)

BTEX, Full Suite VOCs, and Lead																
Benzene	71-43-2	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	5	0	0.0%
Ethylbenzene	100-41-4	8260B	µg/L	182	174	8	4.4%	0.03	J	0.14	J	RHWMW02	RHWMW02	30	0	0.0%
Toluene	108-88-3	8260B	µg/L	182	180	2	1.1%	0.05	J	0.052	J	RHWMW11-05	RHWMW03	40	0	0.0%
Xylenes	1330-20-7	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	20	0	0.0%
Bromobenzene	108-86-1	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
Bromochloromethane	74-97-5	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
Bromodichloromethane	75-27-4	8260B	µg/L	167	167	0	0.0%	ND		ND		—	—	0.14	0	0.0%
Bromoform	75-25-2	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	80	0	0.0%
Carbon tetrachloride	56-23-5	8260B	µg/L	182	168	14	7.7%	0.038	J	0.073	J	OWDFMW04A	OWDFMW04A	5	0	0.0%
Chlorobenzene	108-90-7	8260B	µg/L	182	181	1	0.5%	0.066	J	0.066	J	RHWMW03	RHWMW03	25	0	0.0%
Chlorodibromomethane	124-48-1	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	0.93	0	0.0%
Chloroethane	75-00-3	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	16	0	0.0%
Chloroform	67-66-3	8260B	µg/L	182	137	45	24.7%	0.036	J	4.8		RHWMW12A	OWDFMW04A	28	0	0.0%
Chloromethane	74-87-3	8260B	µg/L	182	148	34	18.7%	0.14	J	0.87		RHWMW01R	RHWMW13-05	190	0	0.0%
2-Chlorotoluene	95-49-8	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
4-Chlorotoluene	106-43-4	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
Dibromomethane	74-95-3	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
1,2-Dichlorobenzene	95-50-1	8260B	µg/L	182	178	4	2.2%	0.044	J	0.083	J	RHWMW03	RHWMW03	10	0	0.0%
1,3-Dichlorobenzene	541-73-1	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	5	0	0.0%
1,4-Dichlorobenzene	106-46-7	8260B	µg/L	182	178	4	2.2%	0.3		2		RHWMW03	RHWMW03	5	0	0.0%
Dichlorodifluoromethane	75-71-8	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
1,1-Dichloroethane	75-34-3	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	2.8	0	0.0%
1,2-Dichloroethane	107-06-2	8260B	µg/L	182	177	5	2.7%	0.063	J	0.34	J	RHWMW04	RHWMW08	5	0	0.0%
1,1-Dichloroethene	75-35-4	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	7	0	0.0%
cis-1,2-Dichloroethene	156-59-2	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	70	0	0.0%
trans-1,2-Dichloroethene	156-60-5	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	100	0	0.0%
1,2-Dichloropropane	78-87-5	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	5	0	0.0%
1,3-Dichloropropane	142-28-9	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
2,2-Dichloropropane	594-20-7	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
1,1-Dichloropropene	563-58-6	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
cis-1,3-Dichloropropene	10061-01-5	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
trans-1,3-Dichloropropene	10061-02-6	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
Methyl ethyl ketone	78-93-3	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	5600	0	0.0%
Methyl tert-butyl ether (MTBE)	1634-04-4	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	5	0	0.0%
Methylene chloride	75-09-2	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	5	0	0.0%
Styrene	100-42-5	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	10	0	0.0%
1,1,1,2-Tetrachloroethane	630-20-6	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	0.61	0	0.0%
1,1,2,2-Tetrachloroethane	79-34-5	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	0.078	0	0.0%
Tetrachloroethene	127-18-4	8260B	µg/L	182	169	13	7.1%	0.089	J	1.2		RHWMW05	OWDFMW08A	5	0	0.0%
1,1,1-Trichloroethane	71-55-6	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	11	0	0.0%
1,1,2-Trichloroethane	79-00-5	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	5	0	0.0%
Trichloroethene	79-01-6	8260B	µg/L	182	180	2	1.1%	0.11	J	0.13	J	OWDFMW01	OWDFMW01	5	0	0.0%
Trichlorofluoromethane	75-69-4	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
1,2,3-Trichloropropane	96-18-4	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	0.6	0	0.0%
Vinyl chloride	75-01-4	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	2	0	0.0%
m+p-Xylenes	179601-23-1	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
o-Xylene	95-47-6	8260B	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
Lead	7439-92-1	SW6020	µg/L	162	73	89	54.9%	0.041	J	3.5		RHWMW15-05	RHWMW05	5.6	0	0.0%
Dissolved Lead	7439-92-1	SW6020	µg/L	162	111	51	31.5%	0.042	J	2.5		RHWMW01R	OWDFMW08A	—	0	0.0%

Table 9-2. Summary of Analytical Groundwater Results Received During the Current Reporting Period (4/18/2023 to 7/12/2023) (cont'd)

SVOCs																
1,2,4-Trichlorobenzene	120-82-1	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	70	0	0.0%
1,2-Dichlorobenzene	95-50-1	SW8270C	µg/L	182	181	1	0.0%	0.053	J	0.053	J	RHWMW03	RHWMW03	10	0	0.0%
1,3-Dichlorobenzene	541-73-1	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	5	0	0.0%
1,4-Dichlorobenzene	106-46-7	SW8270C	µg/L	182	177	5	2.7%	0.34	J	1		RHWMW03	RHWMW03	5	0	0.0%
2,4,5-Trichlorophenol	95-95-4	SW8270C	µg/L	172	172	0	0.0%	ND		ND		—	—	1.9	0	0.0%
2,4,6-Trichlorophenol	88-06-2	SW8270C	µg/L	172	172	0	0.0%	ND		ND		—	—	4.9	0	0.0%
2,4-Dichlorophenol	120-83-2	SW8270C	µg/L	172	172	0	0.0%	ND		ND		—	—	0.3	0	0.0%
2,4-Dimethylphenol	105-67-9	SW8270C	µg/L	172	172	0	0.0%	ND		ND		—	—	120	0	0.0%
2,4-Dinitrophenol	51-28-5	SW8270C	µg/L	146	146	0	0.0%	ND		ND		—	—	14	0	0.0%
2,4-Dinitrotoluene	121-14-2	SW8270C	µg/L	175	175	0	0.0%	ND		ND		—	—	0.25	0	0.0%
2,6-Dinitrotoluene	606-20-2	SW8270C	µg/L	173	173	0	0.0%	ND		ND		—	—	0.05	0	0.0%
2-Chloronaphthalene	91-58-7	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
2-Chlorophenol	95-57-8	SW8270C	µg/L	172	172	0	0.0%	ND		ND		—	—	0.18	0	0.0%
2-Nitrophenol	88-75-5	SW8270C	µg/L	172	171	1	0.6%	0.36	J	0.36	J	OWDFMW04A	OWDFMW04A	—	0	0.0%
3,3'-Dichlorobenzidine	91-94-1	SW8270C	µg/L	181	181	0	0.0%	ND		ND		—	—	0.17	0	0.0%
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	µg/L	156	156	0	0.0%	ND		ND		—	—	—	0	0.0%
4-Bromophenyl phenyl ether	101-55-3	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
4-Chloro-3-methylphenol	59-50-7	SW8270C	µg/L	172	172	0	0.0%	ND		ND		—	—	—	0	0.0%
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
4-Nitrophenol	100-02-7	SW8270C	µg/L	135	135	0	0.0%	ND		ND		—	—	—	0	0.0%
Azobenzene	103-33-3	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
bis(-2-chloroethoxy)Methane	111-91-1	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
bis(-2-chloroethyl)Ether	111-44-4	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	0.014	0	0.0%
bis(2-chloroisopropyl)Ether	108-60-1	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
bis(2-ethylhexyl)Phthalate	117-81-7	SW8270C	µg/L	182	170	12	6.6%	0.71	J	4.3		RHWMW04	RHWMW19	3	2	1.1%
Butylbenzylphthalate	85-68-7	SW8270C	µg/L	182	179	3	1.6%	0.27	J	0.59	J	RHWMW09	RHWMW12A	—	0	0.0%
Di-n-butyl phthalate	84-74-2	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
Di-n-octyl phthalate	117-84-0	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
Diethyl phthalate	84-66-2	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	210	0	0.0%
Dimethyl phthalate	131-11-3	SW8270C	µg/L	182	171	11	6.0%	0.06	J	0.39	J	RHWMW04	RHWMW12A	1100	0	0.0%
Hexachlorobenzene	118-74-1	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	0.0003	0	0.0%
Hexachlorobutadiene	87-68-3	SW8270C	µg/L	178	178	0	0.0%	ND		ND		—	—	0.2	0	0.0%
Hexachlorocyclopentadiene	77-47-4	SW8270C	µg/L	175	175	0	0.0%	ND		ND		—	—	—	0	0.0%
Hexachloroethane	67-72-1	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	0.4	0	0.0%
Isophorone	78-59-1	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	82	0	0.0%
m+p-Cresols	15831-10-4	SW8270C	µg/L	172	172	0	0.0%	ND		ND		—	—	—	0	0.0%
n-Nitroso-di-n-propylamine	621-64-7	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
n-Nitrosodimethylamine	62-75-9	SW8270C	µg/L	173	173	0	0.0%	ND		ND		—	—	—	0	0.0%
n-Nitrosodiphenylamine	86-30-6	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	—	0	0.0%
Nitrobenzene	98-95-3	SW8270C	µg/L	182	182	0	0.0%	ND		ND		—	—	0.14	0	0.0%
o-Cresol	95-48-7	SW8270C	µg/L	172	172	0	0.0%	ND		ND		—	—	—	0	0.0%
Pentachlorophenol	87-86-5	SW8270C	µg/L	172	172	0	0.0%	ND		ND		—	—	1	0	0.0%
Phenol	108-95-2	SW8270C	µg/L	172	172	0	0.0%	ND		ND		—	—	58	0	0.0%
Pyridine	110-86-1	SW8270C	µg/L	148	148	0	0.0%	ND		ND		—	—	—	0	0.0%

Table 9-2. Summary of Analytical Groundwater Results Received During the Current Reporting Period (4/18/2023 to 7/12/2023) (cont'd)

PAHs																
1-Methylnaphthalene	90-12-0	8270D SIM	µg/L	182	172	10	5.5%	0.031	J	16		RHMW2254-01	RHMW02	10	1	0.5%
2-Methylnaphthalene	91-57-6	8270D SIM	µg/L	182	173	9	4.9%	0.1	J	12		RHMW01R	RHMW02	10	1	0.5%
Naphthalene	91-20-3	8270D SIM	µg/L	182	168	14	7.7%	0.03	J	28		OWDFMW04A	RHMW02	17	1	0.5%
Acenaphthene (SIM)	83-32-9	8270SIM	µg/L	182	167	15	8.2%	0.014	J	0.66		OWDFMW04A	RHMW02	15	0	0.0%
Acenaphthylene (SIM)	208-96-8	8270SIM	µg/L	182	180	2	1.1%	0.047	J	0.16		RHMW02	RHMW02	13	0	0.0%
Anthracene (SIM)	120-12-7	8270SIM	µg/L	182	182	0	0.0%	ND		ND		—	—	0.02	0	0.0%
Benzo(a)anthracene (SIM)	56-55-3	8270SIM	µg/L	182	176	6	3.3%	0.014	J	0.023	J	RHMW2254-01	RHMW01R	0.027	0	0.0%
Benzo(a)pyrene (SIM)	50-32-8	8270SIM	µg/L	182	178	4	2.2%	0.011	J	0.025	J	RHMW02	RHMW01R	0.06	0	0.0%
Benzo(b)fluoranthene (SIM)	205-99-2	8270SIM	µg/L	182	175	7	3.8%	0.01	J	0.024	J	RHMW02	RHMW01R	0.22	0	0.0%
Benzo(g,h,i)perylene (SIM)	191-24-2	8270SIM	µg/L	182	180	2	1.1%	0.013	J	0.026	J	RHMW05	RHMW01R	0.13	0	0.0%
Benzo(k)fluoranthene (SIM)	207-08-9	8270SIM	µg/L	182	181	1	0.5%	0.017	J	0.017	J	RHMW01R	RHMW01R	0.4	0	0.0%
Chrysene (SIM)	218-01-9	8270SIM	µg/L	182	177	5	2.7%	0.017	J	0.047	J	RHMW03	RHMW02	1	0	0.0%
Dibenzo(a,h)anthracene (SIM)	53-70-3	8270SIM	µg/L	182	182	0	0.0%	ND		ND		—	—	0.022	0	0.0%
Fluoranthene (SIM)	206-44-0	8270SIM	µg/L	182	174	8	4.4%	0.018	J	0.045	J	RHMW01R	RHMW05	0.8	0	0.0%
Fluorene (SIM)	86-73-7	8270SIM	µg/L	182	172	10	5.5%	0.016	J	0.32		RHMW01R	RHMW02	3.9	0	0.0%
Indeno(1,2,3-cd)pyrene (SIM)	193-39-5	8270SIM	µg/L	182	180	2	1.1%	0.017	J	0.026	J	RHMW05	RHMW01R	0.095	0	0.0%
Phenanthrene (SIM)	85-01-8	8270SIM	µg/L	182	179	3	1.6%	0.033	J	0.054	J	RHMW05	RHMW02	2.3	0	0.0%
Pyrene (SIM)	129-00-0	8270SIM	µg/L	182	181	1	0.5%	0.044	J	0.044	J	RHMW05	RHMW05	4.6	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 Wells sampled during this reporting period include the following: OWDFMW01, OWDFMW04A, OWDFMW05A, OWDFMW07A, OWDFMW08A, RHMW01R, RHMW02, RHMW03, RHMW04, RHMW05, RHMW06, RHMW08, RHMW09, RHMW11-05, RHMW12A, RHMW13-05, RHMW14-03, RHMW15-05, RHMW16, RHMW17, RHMW19, and RHMW2254-01.

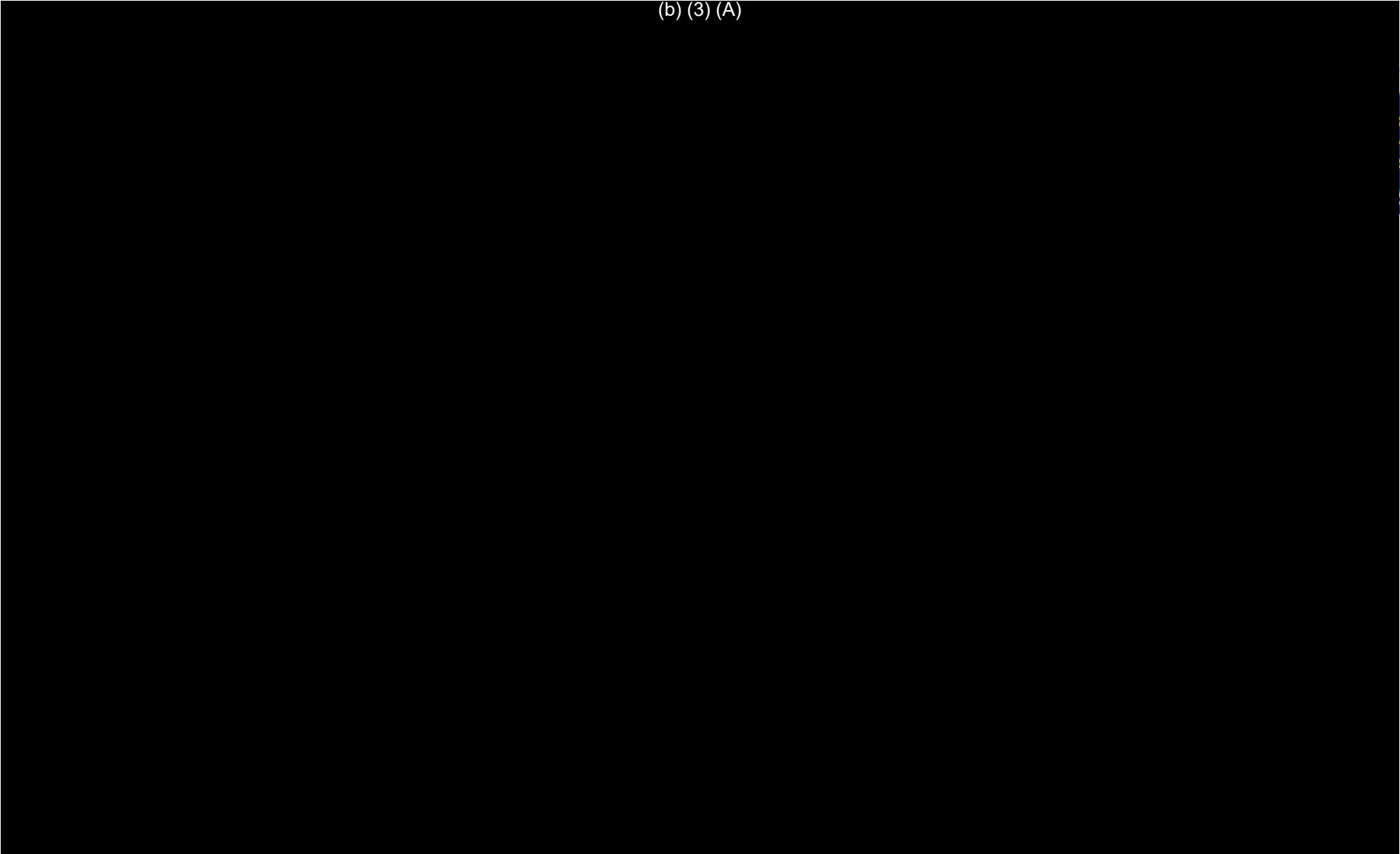


Figure 8: Summary of NOI Groundwater Analytical Results for TPH-d

TPH-d was detected below the EAL at in-tunnel wells RHMW01R, RHMW03, RHMW05, and RHMW2254-01; and at outlying wells RHMW04, RHMW08, RHMW09, RHMW11-05 (multilevel well), RHMW17, and RHMW19. The maximum TPH-d detection for the in-tunnel wells was 350 µg/L from RHMW03, while concentrations ranged from 93 to 350 µg/L. The maximum TPH-d detection for the outlying wells was 310 µg/L from RHMW17. Concentrations from the outlying wells ranged from 74 to 310 µg/L, with most detections below 100 µg/L.

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” in the TPH-d range consistent with metabolites from JP-5/JP-8 and degraded 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.

RHMW08 samples with exceedances (1/25/2023 and 5/11/2023) exhibited a few relatively large discrete peaks in the TPH-d and the TPH-o ranges and a continuum of bumps along the baseline from ~C22 to C40 range and beyond. These chromatographic profiles are not typical or consistent with fuels, dissolved fuel components or fuel metabolites. There is partial and selective removal of peaks and bumps by SGC.

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 wells appear to be stable, with RHMW02 exhibiting historically consistent EAL exceedances.
- TPH-d concentrations at outlying wells appear to be stable, with the majority of the sampling events without detects, and sporadically occurring low-level detects with the exception of two samples from RHMW08 that exceed the EAL.
- 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 only one low detection (93 J µg/L) since then.

9.3.1.3 TPH-o

TPH-o EAL exceedances for NOI monitoring well samples collected during the reporting period are summarized in Section 10.2.3 and Table 10-1. Overall TPH-o detections are summarized in Table 9-2 and depicted on Figure 9. As shown in the figure, TPH-o was detected at in-tunnel wells RHMW02, RHMW03, and RHMW05; outlying wells RHMW04, RHMW08, RHMW17, and RHMW19; and Oily Waste well OWDFMW08A.

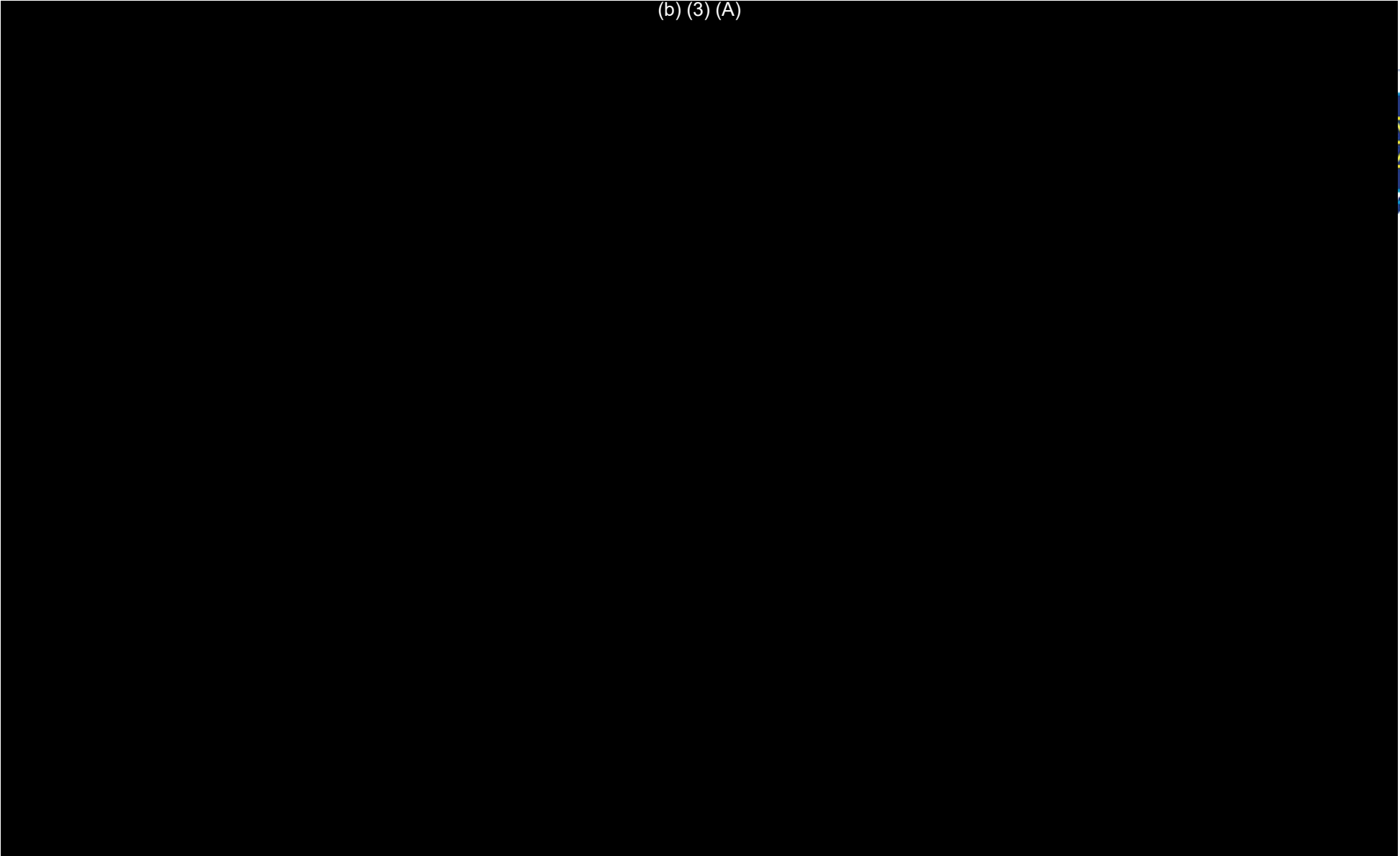


Figure 9: Summary of NOI Groundwater Analytical Results for TPH-o

Exceedances above the EAL of 500 µg/L were reported at outlying wells RHMW04 (650 µg/L in primary sample and 680 µg/L in field duplicate from 3/15/2023), RHMW08 (700 µg/L and 890 µg/L from 1/25/2023 and 5/11/2023, respectively) and RHMW17 (500 µg/L from 5/4/2023). As depicted in Appendix B.5, the chromatographic patterns for these three wells exhibited few relatively large discrete peaks in the TPH-d and TPH-o range and a continuum of bumps along the baseline from ~C22 to C40 TPH-o range and beyond. The observed peaks are not the same for all samples. These chromatographic profiles are not typical or consistent with fuels, dissolved fuel components or fuel metabolites. There is partial and selective removal of peaks and bumps by SGC. These chromatographic patterns are not consistent with the chromatographic pattern seen in RHMW02.

Low-level TPH-o detections below the EAL during this sampling period included in-tunnel wells RHMW02, RHMW03 and RHMW05; outlying wells RHMW04, RHMW08, RHMW17 and RHMW19; and Oily Waste well OWDFMW08A. The maximum TPH-o detection for the in-tunnel wells was 490 µg/L from RHMW03, with no detections for most of the samples. The maximum TPH-o detection in the outlying wells was 450 µg/L, with no detections for most of the samples. All other low-level TPH-o detections were removed by SGC.

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. Samples were reanalyzed for TPH-d/o due to laboratory contamination, as stated in the case narratives of the laboratory reports. A corrective action report was also 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. This is an ongoing issue that is not yet resolved.

9.3.1.4 LEAD SCAVENGERS

Two EAL exceedances for 1,2-dibromoethane were reported this period. 1,2-dibromoethane was detected at RHM12A (0.065 µg/L) and at RHMW19 (0.042 µg/L), which exceeded the EAL (0.04 µg/L). There have never been detections of 1,2-dibromoethane in these wells before or after these exceedances. These results are most likely false positives; the laboratory indicated these detections were suspected to be due to laboratory contamination.

1,2-dibromoethane was detected in three samples from RHMW08, and one sample each from RHMW06, RHMW14-03, RHMW15-05, and OWDFMW01. 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 detections for the wells with positively identified lead scavengers.

1,2-dichloroethane was detected in two samples from RHMW04 and RHMW08, and one sample from RHMW17, and has been detected in previous sampling events for these wells.

9.3.1.5 LEAD

Total and dissolved lead were detected at low-level concentrations at all wells. There were no exceedances above the EAL. Concentrations remained stable and consistent with historical ranges for the majority of the wells. The maximum concentration for total lead was at RHMW05 and dissolved lead was at OWDFMW08A.

9.3.1.6 BTEX

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

There were no detections of benzene or xylenes for any wells monitored during this reporting period.

Toluene was detected once at RHMW03 and once at RHMW11-05 at low-level concentrations and was not detected in other wells. There have been no other detections of toluene at RHMW03 and only one previous detection for RHMW11-05.

Ethylbenzene detections occurred only at in-tunnel well RHMW02.

9.3.1.7 VOCs

There were no exceedances of any VOCs during this reporting period.

VOC detections below the EALs included carbon tetrachloride, chlorobenzene, chloroform, chloromethane, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichloroethane, tetrachloroethene, and trichloroethene. Chloroform and chloroethane were the most commonly detected VOCs.

Chloroform was detected in six 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 and in one sampling event from RHMW12A. Chloromethane was detected in 17 groundwater wells from once to a few sampling events for each of these wells. These low-level VOC detects are consistent with historical data and investigations.

Carbon tetrachloride was detected in a few samples from OWDFMW04. Tetrachloroethene was detected in five samples from OWDFMW8A and in three samples from RHMW05. There have been no detections of any of these compounds in other wells.

1,2-Dichloroethane was detected in one or two sampling events at RHMW04, RHMW08, and RHMW17. Trichloroethene was detected in two samples from OWDFMW01.

Chlorobenzene was detected once and 1,2-dichlorobenzene and 1,4-dichlorobenzene were detected four times at RHMW03. These compounds have not been detected previously in this well or any other wells.

Other than for chloroform, all detects were flagged as estimated and may be attributed to instrumentation noise for the VOCs with low-level, infrequent detections.

9.3.1.8 SVOCs

Samples were analyzed for the laboratory's full suite of SVOCs. Two EAL exceedances for a phthalate (bis(2-ethylhexyl)phthalate) were reported during this period, one at RHMW04 and one at RHMW19.

Detected SVOCs were three phthalates (bis(2-ethylhexyl) phthalate, butyl benzyl phthalate and dimethyl phthalate), along with 1,2-dichlorobenzene, 1-4-dichlorobenzene, and 2-nitrophenol. SVOC phthalate detections were consistent with historical investigations. The other three SVOCs have not been previously detected in any wells.

SVOC results and specific impacted wells are summarized below.

Various phthalates were detected below the EALs at in-tunnel wells, outlying wells, and Oily Waste wells which is consistent with previous sampling results from all of these types of well locations. Phthalate results are summarized as follows:

- Bis(2-ethylhexyl) phthalate was detected at RHMW04 (3.9 µg/L) and at RHMW19 (4.3 µg/L), which exceeded the EAL (3 µg/L). This phthalate was detected below the EAL in three other samples from RHMW04, two samples from RHMW08 and RHMW09, and one sample each from RHMW17 and RHMW19.
- Dimethylphthalate was detected below the EAL twice at RHMW12A, once at OWDFMW4A (in field duplicate but not in primary sample), RHMW03, RHMW04 (in primary sample but not in field duplicate), RHMW09, RHMW13-05, RHMW14-03, RHMW16, RHMW19 and RHMW2254-01.
- Butylbenzylphthalate was reported during one sampling event from RHMW09, RHMW12A, and RHMW2254-01. 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).

1-2-dichlorobenzene was detected once and 1,4-dichlorobenzene was detected in five samples from RHMW03. These SVOC compounds were also detected with the VOC method. They have not been detected previously in this well or any other wells. These compounds are not commonly found in fuel.

2-Nitrophenol was detected once in the field duplicate sample for OWDMW4A but not in the primary sample. A previous detection for 2-nitrophenol at OWDFMW07A was rejected because a QC sample recovery was outside the acceptance limits.

9.3.1.9 PAHs

One sample from RHMW02 reported exceedances of PAH COPCs N (28 µg/L at EAL of 17 µg/L, 1MN (16 µg/L at EAL of 10 µg/L), and 2MN (12 µg/L with EAL 10 µg/L). No other exceedances of any PAH were reported at any other well during this period.

Consistent with historical data, PAH COPCs (N, 1MN, and 2MN) were detected primarily at in-tunnel wells RHMW01R and 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.

For wells other than RHMW01 and RHMW02, N was reported once for OWDFMW04A and 1MN was reported once for RHM2254-01. Acenaphthene was reported once in the same sample for OWDFMW04A that had a N detection. Phenanthrene was detected in one sample from in-tunnel well RHMW05. These wells are in-tunnel wells with the exception of Oily Waste well OWDFMW04A.

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, RHMW05, and RHMW2254-01.

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 was detected in the RHP04A sample collected on April 21, 2023 at an estimated concentration (70 µg/L) below the LOD and the EAL (400 µg/L). SGC performed on the groundwater extract removed the TPH-d. TPH-d was not detected in previous or subsequent RHP04A samples collected during the reporting period.
- TPH-d was detected in each RHP04B sample collected during the reporting period at an estimated concentration below the LOD; however, the concentrations (170 µg/L to 300 µg/L) did not exceed the EAL (400 µg/L). SGC performed on the groundwater extracts removed the TPH-d.
- TPH-o was detected in three RHP04B samples collected during the reporting period at an estimated concentrations below the LOD; however, the concentrations (190 µg/L to 270 µg/L) did not exceed the EAL (500 µg/L). The TPH-o was removed by SGC.

Table 9-3: Summary of Delineation Well Analytical Results for Current Reporting Period

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	38	38	0	0.0%	ND		ND	J	--	--	300	0	0.0%
C10-C24 Petroleum Hydrocarbons	--	8015D	µg/L	38	31	7	18.4%	68	J	300		RHP04C	RHP04B	400	0	0.0%
C24-C40 Petroleum Hydrocarbons	--	8015D	µg/L	38	35	3	7.9%	190	J	270	J	RHP04B	RHP04B	500	0	0.0%
BTEX																
Benzene	71-43-2	8260D	µg/L	38	38	0	0.0%	ND		ND		--	--	5	0	0.0%
Ethylbenzene	100-41-4	8260D	µg/L	38	38	0	0.0%	ND		ND		--	--	30	0	0.0%
m,p-Xylene	--	8260D	µg/L	38	38	0	0.0%	ND		ND		--	--	NA	--	--
o-Xylene	95-47-6	8260D	µg/L	38	38	0	0.0%	ND		ND		--	--	NA	--	--
Toluene	108-88-3	8260D	µg/L	38	38	0	0.0%	ND		ND		--	--	40	0	0.0%
Xylenes, Total	1330-20-7	8260D	µg/L	38	38	0	0.0%	ND		ND		--	--	20	0	0.0%
PAHs																
1-Methylnaphthalene	90-12-0	8270E SIM	µg/L	38	38	0	0.0%	ND		ND		--	--	10	0	0.0%
2-Methylnaphthalene	91-57-6	8270E SIM	µg/L	38	38	0	0.0%	ND		ND		--	--	10	0	0.0%
Naphthalene	91-20-3	8270E SIM	µg/L	38	38	0	0.0%	ND		ND		--	--	17	0	0.0%
Natural Attenuation Parameters																
Methane	--	RSK175	µg/L	2	2	0	0.0%	ND		ND		--	--	NA	--	--
Alkalinity, Bicarbonate (as CaCO3)	--	A2320B	µg/L	2	0	2	100.0%	84,000		110,000		RHP04C	RHP07	NA	--	--
Alkalinity, Carbonate (as CaCO3)	--	A2320B	µg/L	2	2	0	0.0%	ND		ND		--	--	NA	--	--
Alkalinity, Total (as CaCO3)	--	A2320B	µg/L	2	0	2	100.0%	84,000		110,000		RHP04C	RHP07	NA	--	--
Chloride	--	EPA 300	µg/L	2	0	2	100.0%	94,000		330,000		RHP07	RHP04C	NA	--	--
Iron, Ferrous	--	A3500B	µg/L	2	1	1	50.0%	310	J-	310	J-	RHP04C	RHP04C	NA	--	--
Nitrate (as N)	--	EPA 300	µg/L	2	1	1	50.0%	1,500		1,500		RHP07	RHP07	NA	--	--
Nitrate-Nitrite (as N)	--	EPA 353.2	µg/L	2	1	1	50.0%	1,600		1,600		RHP07	RHP07	NA	--	--
Sulfate	--	EPA 300	µg/L	2	0	2	100.0%	45,000		150,000		RHP07	RHP04C	NA	--	--
Total Organic Carbon	--	SW9060A	µg/L	2	0	2	100.0%	890	J	2,800		RHP07	RHP04C	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 two RHP04C samples collected during the reporting period at estimated concentrations below the LOD; however, the concentrations (68 and 82 µg/L) did not exceed the EAL (400 µg/L). The TPH-d was removed by SGC.

Samples from RHP04C 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, TPH-d, or TPH-o detections were reported in samples collected from NMW24.

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 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.

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, three detections were reported in the five sampling events, including one exceedance reported for the April 5, 2023 event (1,600 µg/L, EAL of 400 µg/L).

The chromatographic fingerprint of the exceedance is due to partially weathered jet/kerosene/diesel. Approximately 94% of the constituent is non-polar and is not removed by SGC. Ethylbenzene and total xylenes were detected, which supports that the fuel is partially weathered. A strong hydrocarbon odor was observed, and the headspace VOC reading was 100 ppmv for this sample.

The chromatographic fingerprints of the other two detections (300 and 210 µg/L) are consistent with weathered jet/kerosene/diesel. Most of the TPH-d detected (~85%) was not removed by SGC.

Table 9-4: Summary of Sentinel Well Analytical Results for Current Reporting Period

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	12	12	0	0.0%	ND		ND		--	--	400	0	0.0%
C10-C24 Petroleum Hydrocarbons	--	8015D	µg/L	12	12	0	0.0%	ND		ND		--	--	400	0	0.0%
C24-C40 Petroleum Hydrocarbons	--	8015D	µg/L	12	12	0	0.0%	ND		ND		--	--	500	0	0.0%
BTEX																
Benzene	71-43-2	8260D	µg/L	12	12	0	0.0%	ND		ND		--	--	5	0	0.0%
Ethylbenzene	100-41-4	8260D	µg/L	12	12	0	0.0%	ND		ND		--	--	30	0	0.0%
m,p-Xylene	--	8260D	µg/L	12	12	0	0.0%	ND		ND		--	--	NA	--	--
o-Xylene	95-47-6	8260D	µg/L	12	12	0	0.0%	ND		ND		--	--	NA	--	--
Toluene	108-88-3	8260D	µg/L	12	12	0	0.0%	ND		ND		--	--	40	0	0.0%
Xylenes, Total	1330-20-7	8260D	µg/L	12	12	0	0.0%	ND		ND		--	--	20	0	0.0%
PAHs																
1-Methylnaphthalene	90-12-0	8270E SIM	µg/L	12	12	0	0.0%	ND		ND		--	--	10	0	0.0%
2-Methylnaphthalene	91-57-6	8270E SIM	µg/L	12	12	0	0.0%	ND		ND		--	--	10	0	0.0%
Naphthalene	91-20-3	8270E SIM	µg/L	12	12	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 Received During the Current Reporting Period (4/18/2023 to 7/12/2023)

Chemical of Concern	CAS	Method	Units	Number of Samples ^{a, b}	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	5	5	0	0.0%	ND	U	ND	U	300	0	0.0%
TPH-d (Eurofins Labs)	PHCC10C24	8015DM	µg/L	5	2	3	60.0%	210	0	1600	0	400	1	20.0%
TPH-d (Eurofins Labs) with Silica Gel Cleanup	PHCC10C24SGC	8015DM	µg/L	4	1	3	75.0%	180	0	1500	0	—	0	0.0%
TPH-o (Eurofins Labs)	PHCC24C40	8015DM	µg/L	5	4	1	20.0%	190	J	190	J	500	0	0.0%
TPH-o (Eurofins Labs) with Silica Gel Cleanup	PHCC24C40SGC	8015DM	µg/L	4	4	0	0.0%	ND	U	ND	U	—	0	0.0%
Total Organic Carbon	—	—	µg/L	5	0	5	100.0%	520	J	1800	0	—	0	0.0%
1,2-Dibromoethane	106-93-4	8011	µg/L	5	5	0	0.0%	ND	U	ND	U	0.04	0	0.0%
Methane	74-82-8	SW8015M	µg/L	5	1	4	80.0%	0.69	J	1.2	J	—	0	0.0%

Table 9-5. Summary of Adit 3 Sump Analytical Results Received During the Current Reporting Period (4/18/2023 to 7/12/2023) (cont'd)

BTEX, Full Suite VOCs, and Lead														
Benzene	71-43-2	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
Ethylbenzene	100-41-4	8260B	µg/L	5	3	2	40.0%	0.08	J	0.2	0	30	0	0.0%
Toluene	108-88-3	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	40	0	0.0%
Xylenes	1330-20-7	8260B	µg/L	5	3	2	40.0%	0.84	0	1.7	0	20	0	0.0%
Bromobenzene	108-86-1	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	–	0	0.0%
Bromochloromethane	74-97-5	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	–	0	0.0%
Bromodichloromethane	75-27-4	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	0.14	0	0.0%
Bromoform	75-25-2	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	80	0	0.0%
Carbon tetrachloride	56-23-5	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
Chlorobenzene	108-90-7	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	25	0	0.0%
Chlorodibromomethane	124-48-1	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	0.93	0	0.0%
Chloroethane	75-00-3	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	16	0	0.0%
Chloroform	67-66-3	8260B	µg/L	5	0	5	100.0%	0.057	J	0.17	J	28	0	0.0%
Chloromethane	74-87-3	8260B	µg/L	5	4	1	20.0%	0.4	J	0.4	J	190	0	0.0%
2-Chlorotoluene	95-49-8	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	–	0	0.0%
4-Chlorotoluene	106-43-4	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	–	0	0.0%
Dibromomethane	74-95-3	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	–	0	0.0%
1,2-Dichlorobenzene	95-50-1	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	10	0	0.0%
1,3-Dichlorobenzene	541-73-1	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
1,4-Dichlorobenzene	106-46-7	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
Dichlorodifluoromethane	75-71-8	8260B	µg/L	5	5	0	0.0%	ND	UJ	ND	UJ	–	0	0.0%
1,1-Dichloroethane	75-34-3	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	2.8	0	0.0%
1,2-Dichloroethane	107-06-2	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
1,1-Dichloroethene	75-35-4	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	7	0	0.0%
cis-1,2-Dichloroethene	156-59-2	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	70	0	0.0%
trans-1,2-Dichloroethene	156-60-5	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	100	0	0.0%
1,2-Dichloropropane	78-87-5	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
1,3-Dichloropropane	142-28-9	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	–	0	0.0%
2,2-Dichloropropane	594-20-7	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	–	0	0.0%
1,1-Dichloropropene	563-58-6	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	–	0	0.0%
cis-1,3-Dichloropropene	10061-01-5	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	–	0	0.0%
trans-1,3-Dichloropropene	10061-02-6	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	–	0	0.0%
Methyl ethyl ketone	78-93-3	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5600	0	0.0%
Methyl tert-butyl ether (MTBE)	1634-04-4	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
Methylene chloride	75-09-2	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
Styrene	100-42-5	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	10	0	0.0%
1,1,1,2-Tetrachloroethane	630-20-6	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	0.61	0	0.0%
1,1,2,2-Tetrachloroethane	79-34-5	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	0.078	0	0.0%
Tetrachloroethene	127-18-4	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
1,1,1-Trichloroethane	71-55-6	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	11	0	0.0%
1,1,2-Trichloroethane	79-00-5	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
Trichloroethene	79-01-6	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
Trichlorofluoromethane	75-69-4	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	–	0	0.0%
1,2,3-Trichloropropane	96-18-4	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	0.6	0	0.0%
Vinyl chloride	75-01-4	8260B	µg/L	5	5	0	0.0%	ND	U	ND	U	2	0	0.0%
m+p-Xylenes	179601-23-1	8260B	µg/L	5	3	2	40.0%	0.51	0	0.94	0	–	0	0.0%
o-Xylene	95-47-6	8260B	µg/L	5	3	2	40.0%	0.33	J	0.78	0	–	0	0.0%
Lead	7439-92-1	SW6020	µg/L	5	0	5	100.0%	0.18	J	10	0	5.6	1	20.0%
Dissolved Lead	7439-92-1	SW6020	µg/L	5	3	2	40.0%	0.097	J	0.87	0	–	0	0.0%

Table 9-5. Summary of Adit 3 Sump Analytical Results Received During the Current Reporting Period (4/18/2023 to 7/12/2023) (cont'd)

SVOCs														
1,2,4-Trichlorobenzene	120-82-1	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	70	0	0.0%
1,2-Dichlorobenzene	95-50-1	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	10	0	0.0%
1,3-Dichlorobenzene	541-73-1	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
1,4-Dichlorobenzene	106-46-7	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	5	0	0.0%
2,4,5-Trichlorophenol	95-95-4	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	1.9	0	0.0%
2,4,6-Trichlorophenol	88-06-2	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	4.9	0	0.0%
2,4-Dichlorophenol	120-83-2	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	0.3	0	0.0%
2,4-Dimethylphenol	105-67-9	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	120	0	0.0%
2,4-Dinitrophenol	51-28-5	SW8270C	µg/L	4	4	0	0.0%	ND	UJ	ND	UJ	14	0	0.0%
2,4-Dinitrotoluene	121-14-2	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	0.25	0	0.0%
2,6-Dinitrotoluene	606-20-2	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	0.05	0	0.0%
2-Chloronaphthalene	91-58-7	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
2-Chlorophenol	95-57-8	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	0.18	0	0.0%
2-Nitrophenol	88-75-5	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
3,3'-Dichlorobenzidine	91-94-1	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	0.17	0	0.0%
4,6-Dinitro-2-methylphenol	534-52-1	SW8270C	µg/L	5	5	0	0.0%	ND	UJ	ND	UJ	-	0	0.0%
4-Bromophenyl phenyl ether	101-55-3	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
4-Chloro-3-methylphenol	59-50-7	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
4-Chlorophenyl phenyl ether	7005-72-3	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
4-Nitrophenol	100-02-7	SW8270C	µg/L	4	4	0	0.0%	ND	U	ND	U	-	0	0.0%
Azobenzene	103-33-3	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
bis(-2-chloroethoxy)Methane	111-91-1	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
bis(-2-chloroethyl)Ether	111-44-4	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	0.014	0	0.0%
bis(2-chloroisopropyl)Ether	108-60-1	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
bis(2-ethylhexyl)Phthalate	117-81-7	SW8270C	µg/L	5	4	1	20.0%	1.4	J	1.4	J	3	0	0.0%
Butylbenzylphthalate	85-68-7	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
Di-n-butyl phthalate	84-74-2	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
Di-n-octyl phthalate	117-84-0	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
Diethyl phthalate	84-66-2	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	210	0	0.0%
Dimethyl phthalate	131-11-3	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	1100	0	0.0%
Hexachlorobenzene	118-74-1	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	0.0003	0	0.0%
Hexachlorobutadiene	87-68-3	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	0.2	0	0.0%
Hexachlorocyclopentadiene	77-47-4	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
Hexachloroethane	67-72-1	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	0.4	0	0.0%
Isophorone	78-59-1	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	82	0	0.0%
m+p-Cresols	15831-10-4	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
n-Nitroso-di-n-propylamine	621-64-7	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
n-Nitrosodimethylamine	62-75-9	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
n-Nitrosodiphenylamine	86-30-6	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
Nitrobenzene	98-95-3	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	0.14	0	0.0%
o-Cresol	95-48-7	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	-	0	0.0%
Pentachlorophenol	87-86-5	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	1	0	0.0%
Phenol	108-95-2	SW8270C	µg/L	5	5	0	0.0%	ND	U	ND	U	58	0	0.0%
Pyridine	110-86-1	SW8270C	µg/L	3	3	0	0.0%	ND	U	ND	U	-	0	0.0%

Table 9-5. Summary of Adit 3 Sump Analytical Results Received During the Current Reporting Period (4/18/2023 to 7/12/2023) (cont'd)

PAHs														
1-Methylnaphthalene	90-12-0	8270D SIM	µg/L	5	1	4	80.0%	0.059	J	6.4	0	10	0	0.0%
2-Methylnaphthalene	91-57-6	8270D SIM	µg/L	5	1	4	80.0%	0.055	J	6.8	0	10	0	0.0%
Naphthalene	91-20-3	8270D SIM	µg/L	5	1	4	80.0%	0.031	J	2.5	0	17	0	0.0%
Acenaphthene (SIM)	83-32-9	8270SIM	µg/L	5	2	3	60.0%	0.015	J	0.076	J	15	0	0.0%
Acenaphthylene (SIM)	208-96-8	8270SIM	µg/L	5	3	2	40.0%	0.059	0	0.072	0	13	0	0.0%
Anthracene (SIM)	120-12-7	8270SIM	µg/L	5	3	2	40.0%	0.036	J	0.064	J	0.02	2	40.0%
Benzo(a)anthracene (SIM)	56-55-3	8270SIM	µg/L	5	3	2	40.0%	0.28	0	0.41	0	0.027	2	40.0%
Benzo(a)pyrene (SIM)	50-32-8	8270SIM	µg/L	5	3	2	40.0%	0.34	0	0.36	0	0.06	2	40.0%
Benzo(b)fluoranthene (SIM)	205-99-2	8270SIM	µg/L	5	3	2	40.0%	0.43	0	0.45	0	0.22	2	40.0%
Benzo(g,h,i)perylene (SIM)	191-24-2	8270SIM	µg/L	5	3	2	40.0%	0.18	0	0.27	0	0.13	2	40.0%
Benzo(k)fluoranthene (SIM)	207-08-9	8270SIM	µg/L	5	3	2	40.0%	0.15	0	0.16	0	0.4	0	0.0%
Chrysene (SIM)	218-01-9	8270SIM	µg/L	5	3	2	40.0%	0.36	0	0.42	0	1	0	0.0%
Dibenzo(a,h)anthracene (SIM)	53-70-3	8270SIM	µg/L	5	3	2	40.0%	0.053	J	0.06	J	0.022	2	40.0%
Fluoranthene (SIM)	206-44-0	8270SIM	µg/L	5	3	2	40.0%	0.47	0	0.77	0	0.8	0	0.0%
Fluorene (SIM)	86-73-7	8270SIM	µg/L	5	3	2	40.0%	0.077	J	0.11	0	3.9	0	0.0%
Indeno(1,2,3-cd)pyrene (SIM)	193-39-5	8270SIM	µg/L	5	3	2	40.0%	0.27	0	0.28	0	0.095	2	40.0%
Phenanthrene (SIM)	85-01-8	8270SIM	µg/L	5	3	2	40.0%	0.18	0	0.22	0	2.3	0	0.0%
Pyrene (SIM)	129-00-0	8270SIM	µg/L	5	3	2	40.0%	0.5	0	0.78	0	4.6	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.

^a Includes normal and field duplicate samples.

^b Does not include sample results rejected by validation.

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, a low-level TPH-o was detected as estimate in one sample collected on January 5, 2023 but below the reporting limit after SGC.

9.3.4.4 *LEAD SCAVENGERS*

No lead scavengers were detected in this monitoring period.

9.3.4.5 *TOTAL AND DISSOLVED LEAD*

No exceedances for lead occurred during this reporting period. Total lead was detected consistently in all sampling events, with a maximum concentration of 10 µg/L in a March 8, 2023 sampling event. Dissolved lead was detected in two samples.

9.3.4.6 *BTEX*

Ethylbenzene and xylene were detected at low concentrations in two of the five samples collected during this reporting period. Benzene and toluene were not detected.

9.3.4.7 *VOCs*

As shown in Appendix B.4.2, low-level, estimated detections of chloroform were detected in all samples, and chloromethane was detected in one sample. These detections are consistent with previous reporting periods. There were no other VOC detections.

9.3.4.8 *SVOCs*

No SVOCs were detected other than for one detection of bis(2-ethylhexyl)phthalate (1.4 µg/L).

9.3.4.9 *PAHs*

Pyrogenic PAHs are heavy PAHs typically 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.

There were no PAHs detected in the sample from January 5, 2023. The sample from March 22, 2023 only had detections of N, 1-MN, and 2-MN. These two samples had no TPH-d detections.

One sample from March 8, 2023 had low-level detections of N, 1-MN, and 2-MN and thirteen other PAHs, with seven pyrogenic PAHs exceeding the EALs. The TPH-d concentration was 210 µg/L. There is indication of the presence of degraded jet/kerosene/diesel in this sample.

The sample from March 29, 2023 had detections of N, 1-MN, and 2-MN and very low detections of acenaphthene, acenaphthylene and fluorene (all non-pyrogenic or petrogenic PAHs) along with a low-level TPH-d (300 µg/L) detect with the chromatographic profile consistent with degraded jet/kerosene/diesel.

All target PAHs were detected in the April 5, 2023 sample, with seven pyrogenic PAHs exceeding the EALs. The TPH-d detection in this sample was 1,600 µg/L and the chromatographic profile was consistent with partially degraded jet/kerosene/diesel.

The non-pyrogenic or petrogenic PAHs in the three samples where jet/kerosene/diesel was evident (none exceeding EALs) are likely associated with fuel. The pyrogenic PAHs are likely associated with particulate matter. Generally, the limit of detection of the PAH method is greater than the EAL.

There is no correlation for samples with pyrogenic PAH EAL exceedances to TPH detections, with some of the reported concentrations exceeding 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 10. As indicated on the figure, 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.

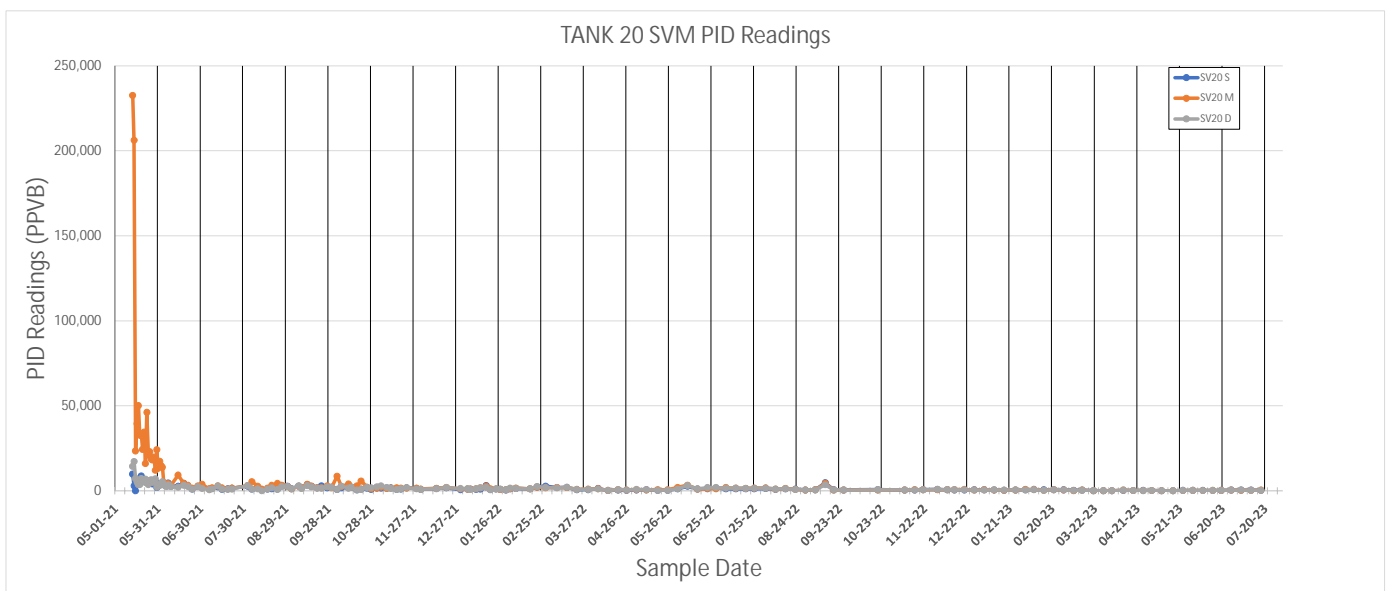
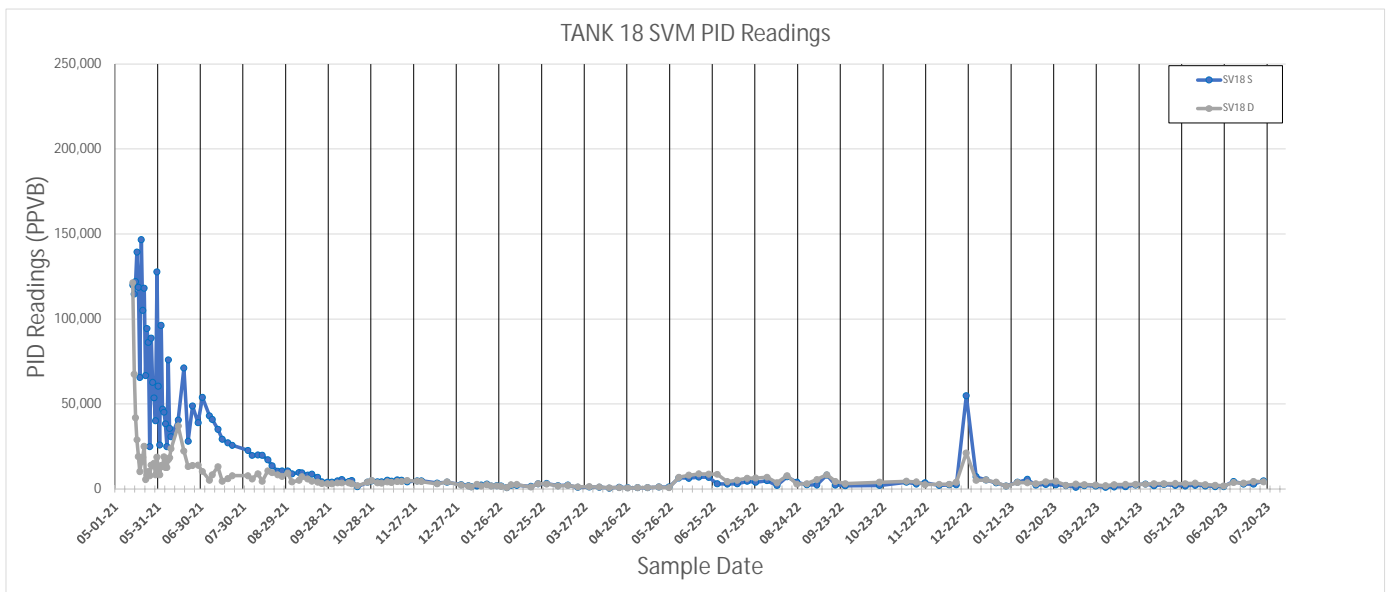
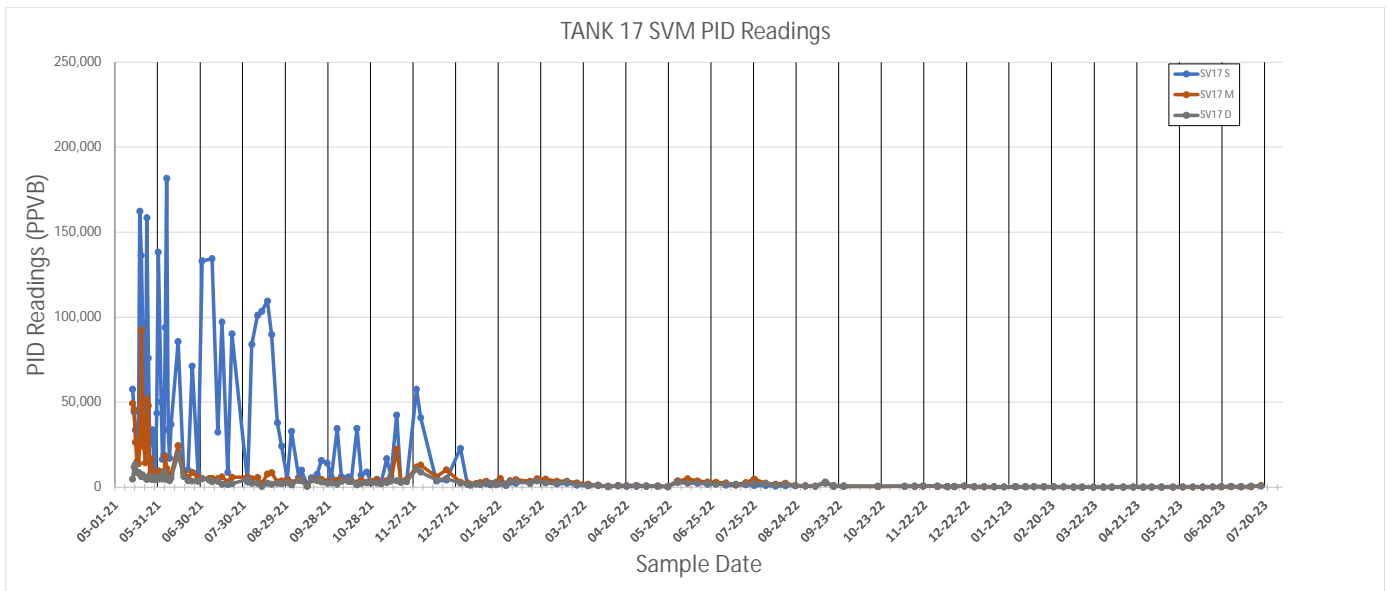


Figure 10: SVM PID Readings for Tanks 17, 18, and 20

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., May to June 2023) were similar to prior recent results and are indicative of low concentrations of petroleum vapors from highly weathered residual fuel.

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 7B), shortly after the November 2021 Release. PID readings have generally decreased since that time, consistent with LNAPL weathering and natural attenuation.

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

- 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 maximum PID readings for monitoring events during this reporting period (65 ppmv or less) are less than 10% of the maximum PID readings observed during monitoring in late 2021 and early 2022.

The monitoring results for the four 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 two sampling events (i.e., March and April 2023).

- **Fixed Gas Results:** At most sample locations, methane concentrations were very low (<0.01%) or non-detect. However, for four samples collected from location A3-375-DSVMP at a sample depth of 63.5 ft (i.e., regular and field duplicate samples for March and April 2023), the methane concentration was greater than 0.1%. For these four samples,

the oxygen concentration was less than 6% and the carbon dioxide concentration was greater than 6%. For all of the other 32 samples, the oxygen concentration was 17% or greater and the carbon dioxide concentration was 4% or less. The fixed gas results for location A3-375-DSVMP (i.e., relatively low oxygen, high carbon dioxide, and methane greater than 0.1%) indicate that methanogenesis is likely occurring somewhere in the vicinity of this sample location. The higher oxygen concentrations (>17%) and very low methane concentrations at the remaining locations are consistent with aerobic conditions. A number of samples contained carbon dioxide above 1% consistent with aerobic biodegradation of petroleum fuel.

- **Poor Correlation Between C5–C12 by Modified TO-3 and C5–C18 by Modified TO-17:** 34 samples were analyzed for both C5–C12 and C5–C18. For all samples, the concentration results for C5–C18 by Modified Method TO-17 are expected to be greater than or equal to the concentration results for C5–C12 by Modified TO-3 because this C5–C18 quantifies a larger carbon range. In other words, compounds in the carbon range >C12 to C18 should be included in the C5–C18 results but not the C5–C12 results. For 20 of the 34 samples, the C5–C18 results were non-detect (<20,000 ug/m³). For 19 of these samples, the results for C5–C12 were detected with concentrations also less than 20,000 ug/m³ (i.e., consistent with the non-detect results for C5–C18). However, for the 14 samples with detections for both C5–C12 and C5–C18, there was a poor correlation between results for the two methods. For 5 of the 14 samples, the C5–C18 by Modified Method TO-17 concentration results were lower than the C5–C12 by Modified Method TO-3 results despite the larger carbon range covered by the method. For another 5 of the 14 samples, the C5–C18 by Modified Method TO-17 concentration results were more than 4 times greater than the C5–C12 by Modified Method TO-3 results. This difference is much larger than expected based on the differences in carbon ranges between the two methods and the expected composition of jet fuel vapors. The inconsistent results between these two methods suggests that the results for one or both methods are unreliable.
- **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. For this reporting period, validated laboratory results are not available for the final (May 2023) sample event of the planned six-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).

Table 10-1: Summary of Current Groundwater Result Exceedances

					TPH-d (Eurofins Labs)	TPH-o (Eurofins Labs)	1,2-Dibromoethane	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	bis(2-ethylhexyl)Phthalate
Analyte											
CAS No.					PHCC10C24	PHCC24C40	106-93-4	90-12-0	90-12-0	91-20-3	117-81-7
Method					8015DM	8015DM	8011	8270SIM	8270SIM	8270SIM	8270SIM
DOH Tier 1 EAL					400	500	0.04	10	10	17	3
Units					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Location	Sampling Method	Sample ID ¹	Sampling Date	Type	Result	Result	Result	Result	Result	Result	Result
RHMW08	Bailer	RHMW08-WGN01B-2301WK4	2023-01-25	Primary	840	700	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2302WK2	2023-02-14	Primary	1600	—	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2302WK3	2023-02-21	Primary	1200	—	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2302WK4	2023-02-28	Primary	1800	—	—	—	—	—	—
RHMW12A	Low-Flow	RHMW12A-WGN01LF-2302WK4	2023-02-28	Primary	—	—	0.065	J+	—	—	—
RHMW19	Bailer	RHMW19-WGN01B-2303WK1	2023-03-06	Primary	—	—	—	—	—	—	4.3
RHMW02	Bailer	RHMW02-WGN01B-2303WK1	2023-03-07	Primary	620	—	—	—	—	—	—
RHMW04	Bailer	RHMW04-WGFD01B-2303WK2	2023-03-15	Field Duplicate	—	680	—	—	—	—	—
RHMW04	Bailer	RHMW04-WGN01B-2303WK2	2023-03-15	Primary	—	650	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2303WK3	2023-03-21	Primary	1500	—	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2303WK4	2023-03-28	Primary	1300	—	—	—	—	—	—
RHMW04	Bailer	RHMW04-WGFD01B-2303WK4	2023-03-30	Field Duplicate	—	—	—	—	—	—	3.9
RHMW19	Bailer	RHMW19-WGN01B-2304WK1	2023-04-03	Primary	—	—	0.042	—	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2304WK1	2023-04-04	Primary	1500	—	—	—	—	—	—
RHMW02	Bailer	RHMW02-WGN01B-2305WK1	2023-05-02	Primary	2400	—	—	16	12	28	—
RHMW17	Bailer	RHMW17-WGN01B-2305WK1	2023-05-04	Primary	—	500	—	—	—	—	—
RHMW08	Bailer	RHMW08-WGN01B-2305WK2	2023-05-11	Primary	620	890	—	—	—	—	—

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.

¹ All samples validated in this reporting period were analyzed by Eurofins Labs

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, and N. 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

There were no TPH-g detections during this reporting period.

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 two samples from RHMW08. TPH-d detections above the EAL have been reported consistently at well RHMW02 since it was installed in 2005.

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 or fuel metabolites.

RHMW08 samples with exceedances above the EAL exhibited a few relatively large discrete peaks in the TPH-d and the TPH-o ranges and a continuum of bumps along the baseline from ~C22 to C40 range and beyond. These chromatographic profiles are not typical or consistent with fuels, dissolved fuel components or fuel metabolites (Appendix B.5). There is partial and selective removal of peaks and bumps by SGC.

Detections below the EAL were reported at most other NOI wells with an overall frequency of ~20% with most detections less than 250 µg/L. For delineation wells, detections below the EAL were reported in 100% of samples collected at RHP04B (160–220 µg/L), in one sample at RHP04A, and in two samples at RHP04C.

Furthermore, for all samples with detections reported below the EAL, SGC removed all the TPH-d detections, indicating that 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 9, 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 in three of eight samples from RHMW02; both in-tunnel wells have historical detections for this parameter and the concentrations 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 at outlying wells RHMW04, RHHM08, and RHMW17. The chromatographic profiles for these samples are not consistent with fuels, dissolved fuel components, or fuel metabolites.

TPH-o was detected in 75% of the samples from delineation well RHP04B and not at any other delineation well.

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 the measurement of TPH-o.

10.2.4 Lead Scavengers and Total Lead

There were two EAL exceedances for 1,2-dibromoethane during this reporting period at RHM12A and at RHMW19. There have never been detections of 1,2-dibromoethane on these wells before or after these exceedances. These results are most likely false positives.

Low-level detections of 1,2-dibromoethane were reported for three samples at RHMW08, and one sample each at RHMW06, RHMW14-03, RHMW15-05 and OWDFMW01. The low-level concentrations 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. Furthermore, detections are not related to any specific location and detections appear to be random.

1,2-Dichloroethane was not detected in any sample during this sampling event.

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, all below the EAL. Concentrations remained stable and consistent with historical ranges for the site.

10.2.5 Full Suite VOCs Including BTEX

Toluene, ethylbenzene and nine other VOCs were detected during this reporting period, none above their respective EALs.

Ethylbenzene 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 was detected once at RHMW03 and at RHMW11-05 at low-level concentrations and was not detected in other wells. There have been no other detections of toluene at RHMW03 and only one previous detection at RHMW11-05. These detections are likely false positives, as toluene can be found at low concentrations in vials and septum materials.

Chloroform and chloroethane were the most commonly detected VOCs at multiple locations. These low-level VOC detects are consistent with historical data and investigations.

Other detections of VOCs below the EALs include carbon tetrachloride, chlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichloroethane, tetrachloroethene, and trichloroethene. These VOCs were infrequently detected and/or detected only in one or a few wells. Other than for most of the chloroform detections, all other detections were flagged as estimated and may be attributed to instrumentation noise for the VOCs with low-level infrequent detections.

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).

In addition, the chlorinated VOCs detected are not present in jet fuels and middle distillates.

10.2.6 Full Suite SVOCs

Bis(2-ethylhexyl) phthalate was detected at RHM04 and at RHMW19 above the EAL (3 µg/L). Various phthalates, including bis(2-ethylhexyl) phthalate, butylbenzylphthalate, 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 (1,2-dichlorobenzene, 1,4-dichlorobenzene, and 2-nitrophenol) appear to be random and are not consistent with historical investigations.

10.2.7 PAHs

As discussed previously, 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.

Other than for one sample from RHMW02 with exceedances of PAH COPCs N and 2MN, there were no other exceedances of any PAH at any of the other wells during this reporting period.

Consistent with historical data, PAH COPCs (N, 1MN, and 2MN) were detected primarily at in-tunnel wells RHMW01R and RHMW02. Other non-pyrogenic or petrogenic PAHs (acenaphthene, acenaphthylene and fluorene and phenanthrene) were detected primarily at RHMW01R and RHMW02.

For wells other than RHMW01 and RHMW02, naphthalene was reported once in well OWDFMW04A, and 1-methylnaphthalene was reported once for RHM2254-01. Acenaphthene was reported once in the same sample from OWDFMW04A that had a naphthalene detection, Phenanthrene was detected in one sample from in-tunnel well RHMW05. These wells are in-tunnel wells with the exception of Oily Waste well OWDFMW04A.

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, RHMW05, and RHMW2254-01. These detections may be related to sources other than fuel stored at or released from the Facility or sampling/analysis artifacts.

10.2.8 Natural Attenuation Parameters

Samples from recently installed delineation wells (RHP04C and RHP07) were analyzed for NAPs during the initial two sampling events after well completion. The minimum and maximum concentrations and frequency of detection are summarized in Table 9-3. The absence of recurring dissolved-phase COPCs coupled with the NAP results (e.g., no methane, low or no ferrous iron, generally moderate levels of nitrate) indicate that the recently 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.

Three detections of TPH-d were reported, including one exceedance for the April 5, 2023 event (1,600 µg/L, EAL of 400 µg/L). The chromatographic fingerprint of the exceedance is consistent with partially weathered jet/kerosene/diesel. Little removal of the TPH-d was achieved by SGC,

confirming the presence of fuel. Strong hydrocarbon odors were noted in the field, and the headspace VOC reading was 100 ppmv, also confirming the presence of fuel. The chromatographic fingerprints of the other two low detections are also consistent with weathered jet/kerosene/diesel.

Two samples also had detections of N, 1-MN, and 2-MN. One of these samples also had very low detections of acenaphthene, acenaphthylene, and fluorene (all non-pyrogenic or petrogenic PAHs) with chromatographic profiles consistent with degraded jet/kerosene/diesel.

Based on laboratory results and field observations, there is evidence of fuel in Adit 3 Sump based on samples specifically collected during March and April 2023. Otherwise, Adit 3 Sump water concentrations for all other parameters appear to be relatively stable.

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/or TPH-o at in-tunnel sampling location RHMW02 and to a much 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.

Chromatographic profiles for the low-level, below-EAL detections of TPH-d and TPH-o included during this reporting period for the NOI wells, delineation wells, and sentinel wells are distinctly different from what is expected from fuels, dissolved fuel components, or metabolites.

A few exceedances of TPH-d and/or TPH-o have been reported in one or more samples from outlying wells RHMW04, RHMW08, and RHMW17, with chromatographic profiles distinctly different from fuels, dissolved fuel components, or fuel metabolites. These detections may be transient and will merit further evaluation if detected in future samples.

11.2 Recommendations and Planned Future Actions

The Navy recommends continued soil vapor and consolidated groundwater sampling, site characterization at Adit 3, including installation of additional deep SVMPs and SVE points for the remedial pilot study, 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.

Extensive sampling and monitoring activities in response to the fuel releases are ongoing. Associated data evaluation will continue to be performed to support evaluation of:

- Impact and extent of the releases to the environment
- Effectiveness of the Red Hill Shaft GAC pump and treat system in containing impacted groundwater and preventing additional migration of contaminants
- 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
- Remedial alternatives and future remediation strategies
- Pilot testing for remediation effectiveness and optimization

Upon finalization of all laboratory analyses/reports for the Adit 3 OU-2 saturated zone investigation, the comprehensive set of data will be provided in a format similar to and complementary to the OU-1 vadose zone report that was provided to the Regulatory Agencies in a draft report on May 19, 2023 (DON 2023h).

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

- Draft Closure Report, Concrete Tank Removal; February 24, 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

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Appendix A – Soil Vapor Results

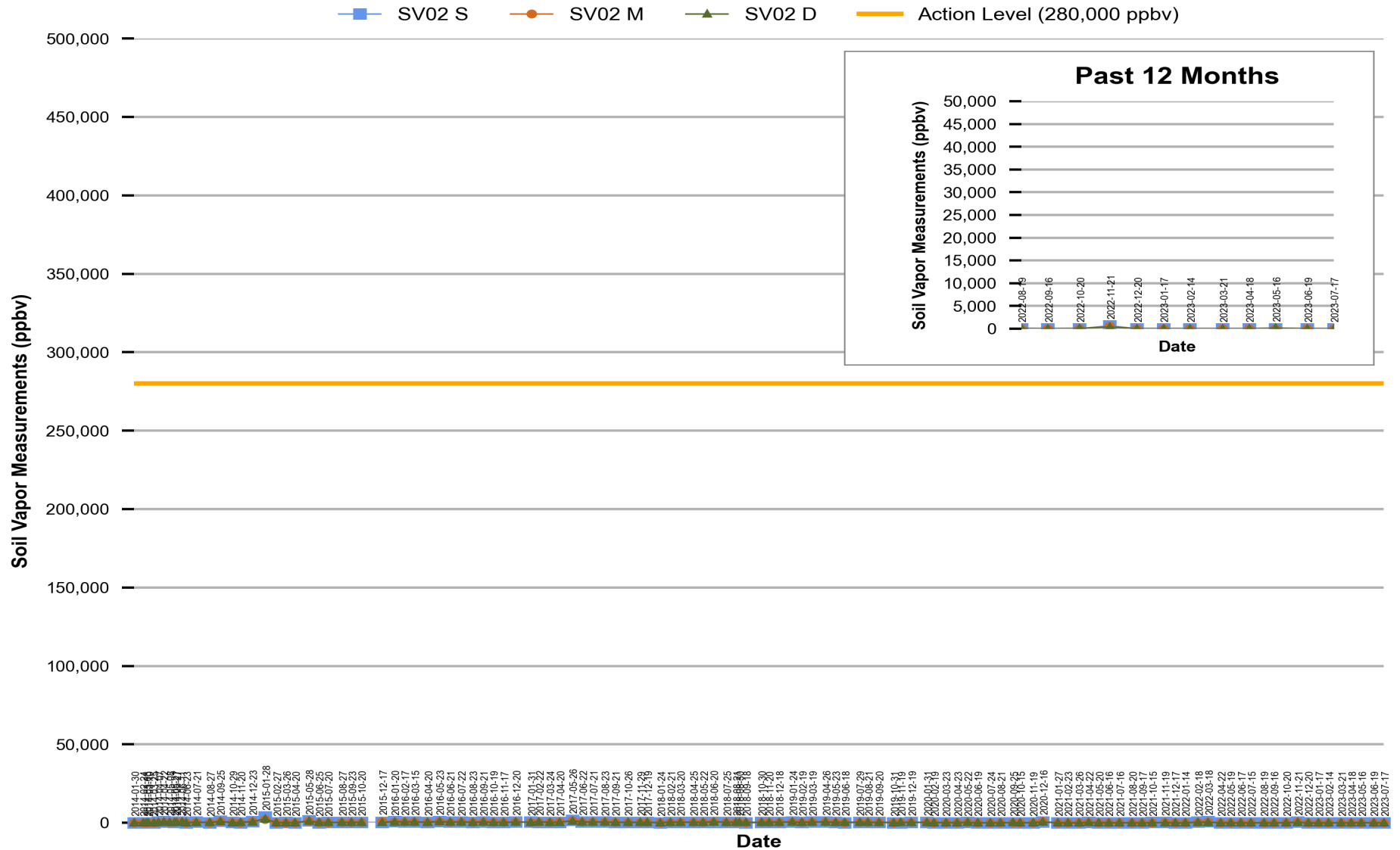
Appendix A.1 – AOC Soil Vapor Measurements Collected Below Tanks, January 2014 through July 2023

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 July 2023

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



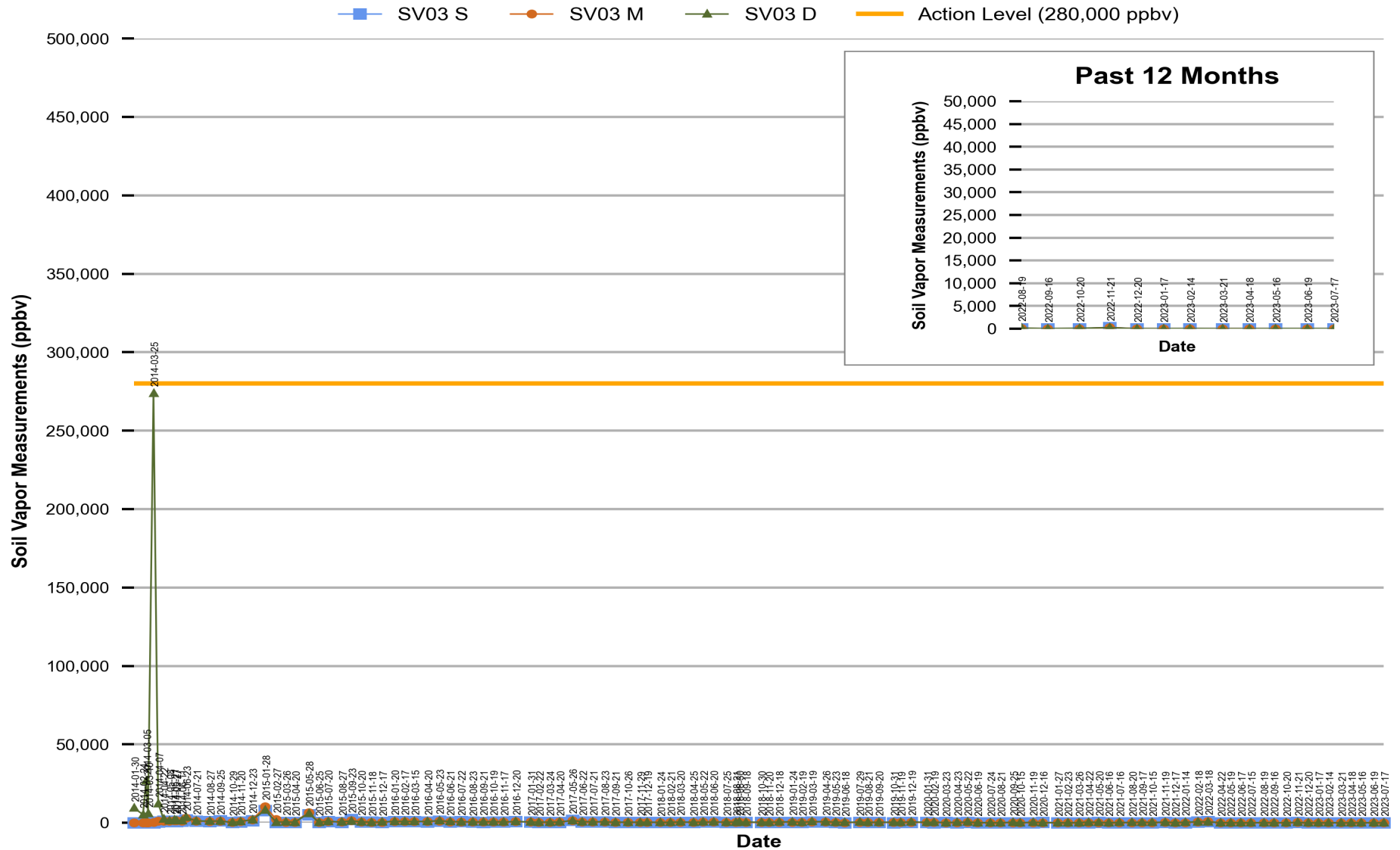
Notes (where applicable):

* "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 Jul 2023)



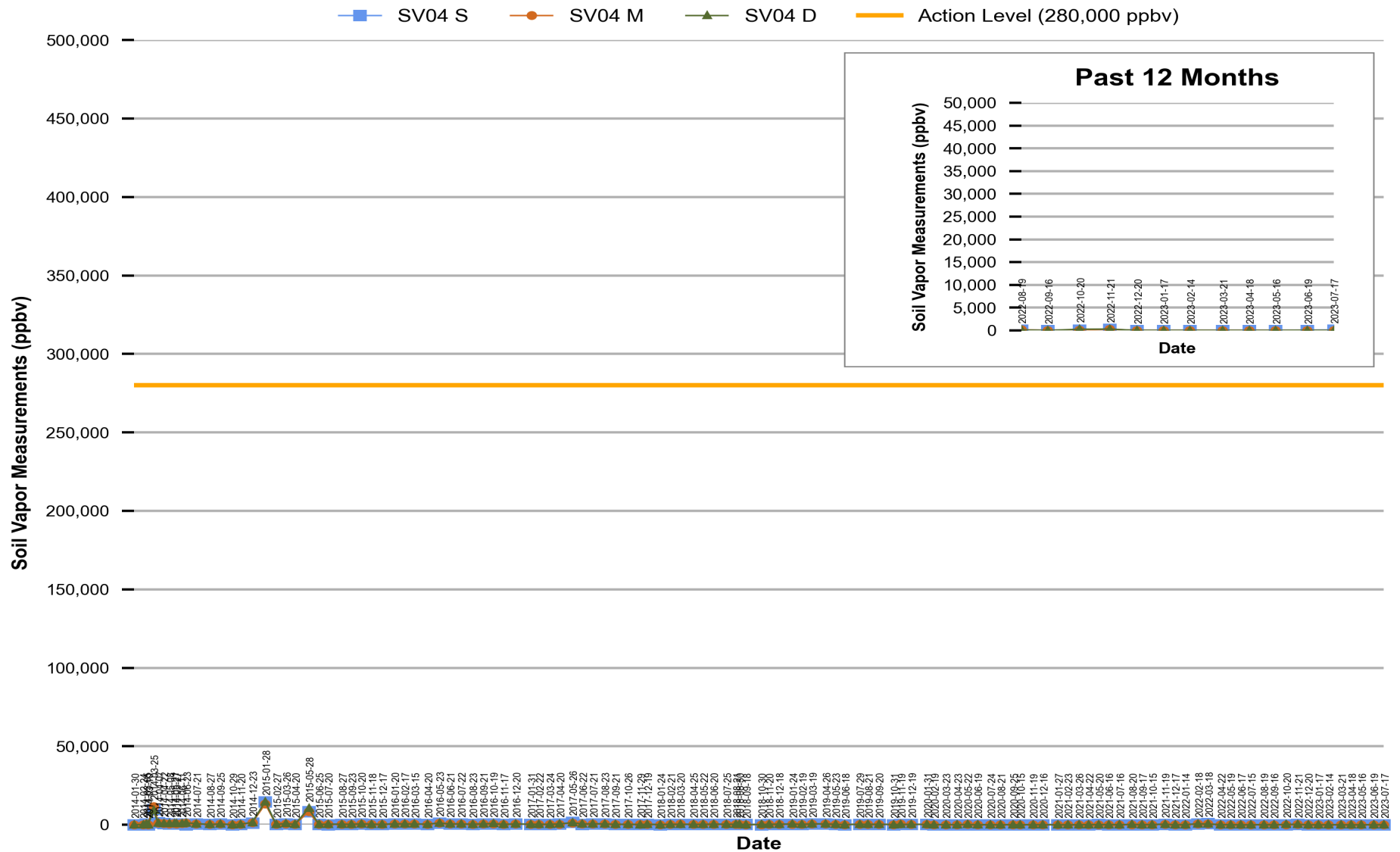
Notes (where applicable):

* "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 Jul 2023)



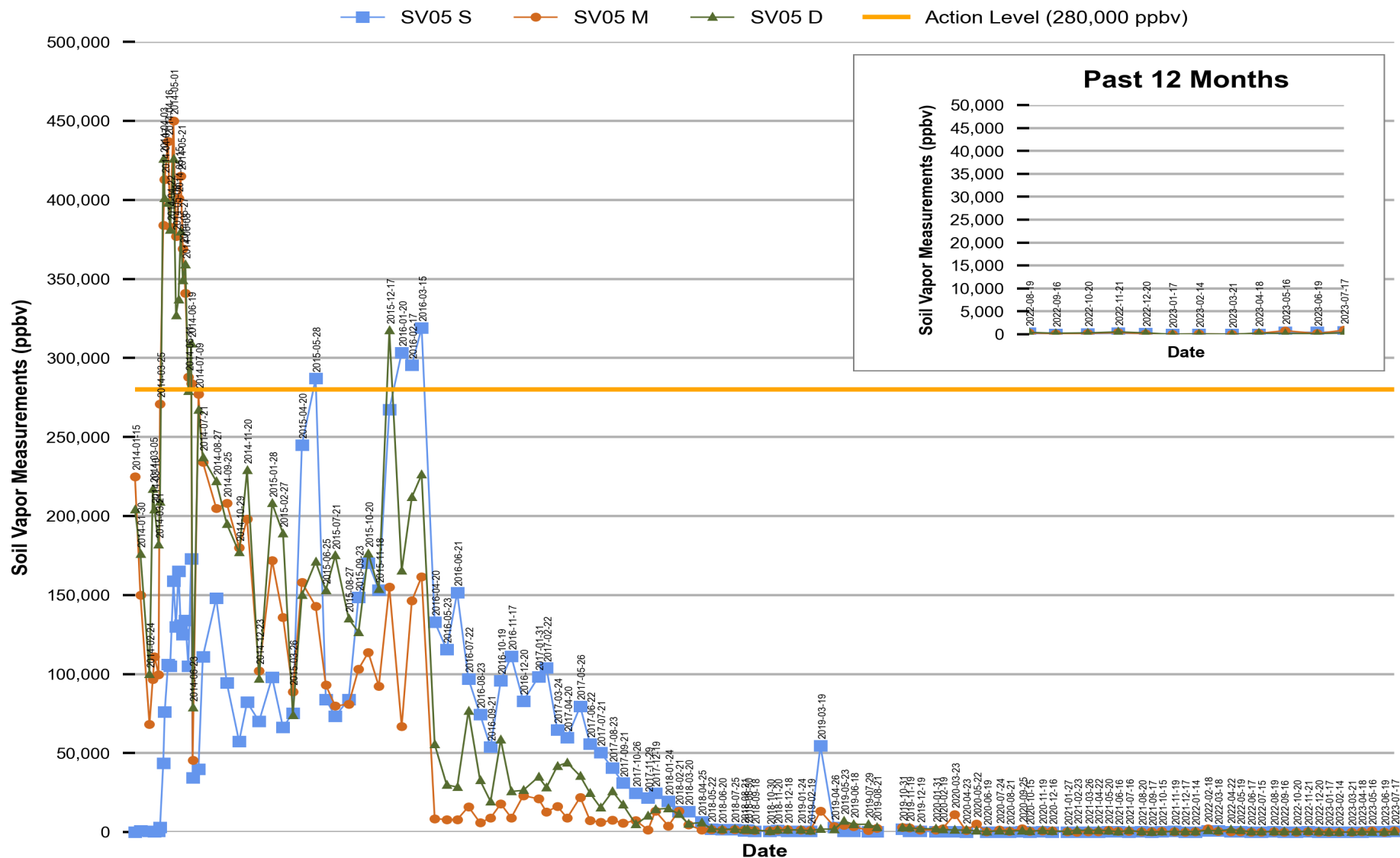
Notes (where applicable):

* "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 Jul 2023)



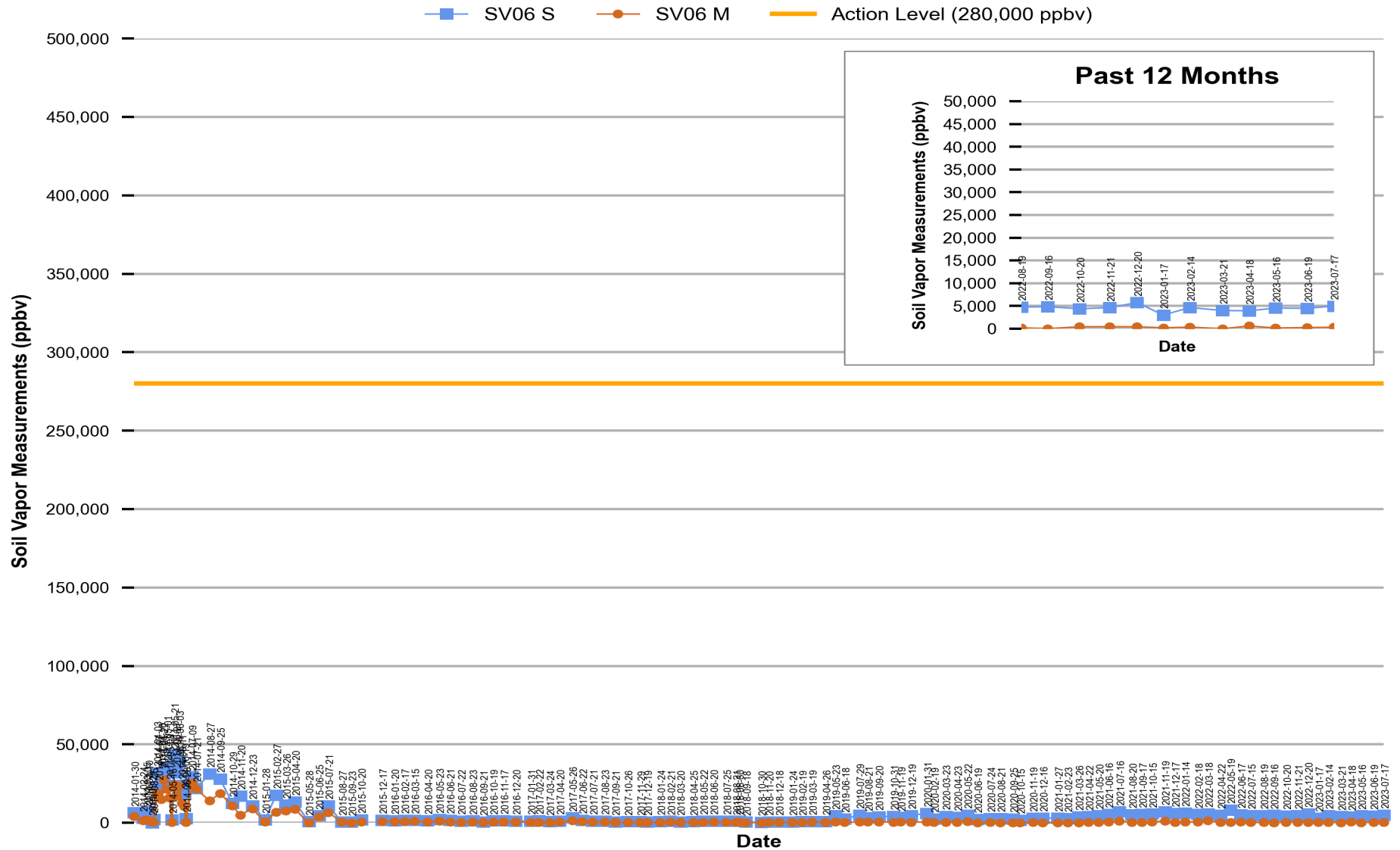
Notes (where applicable):

* "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 Jul 2023)



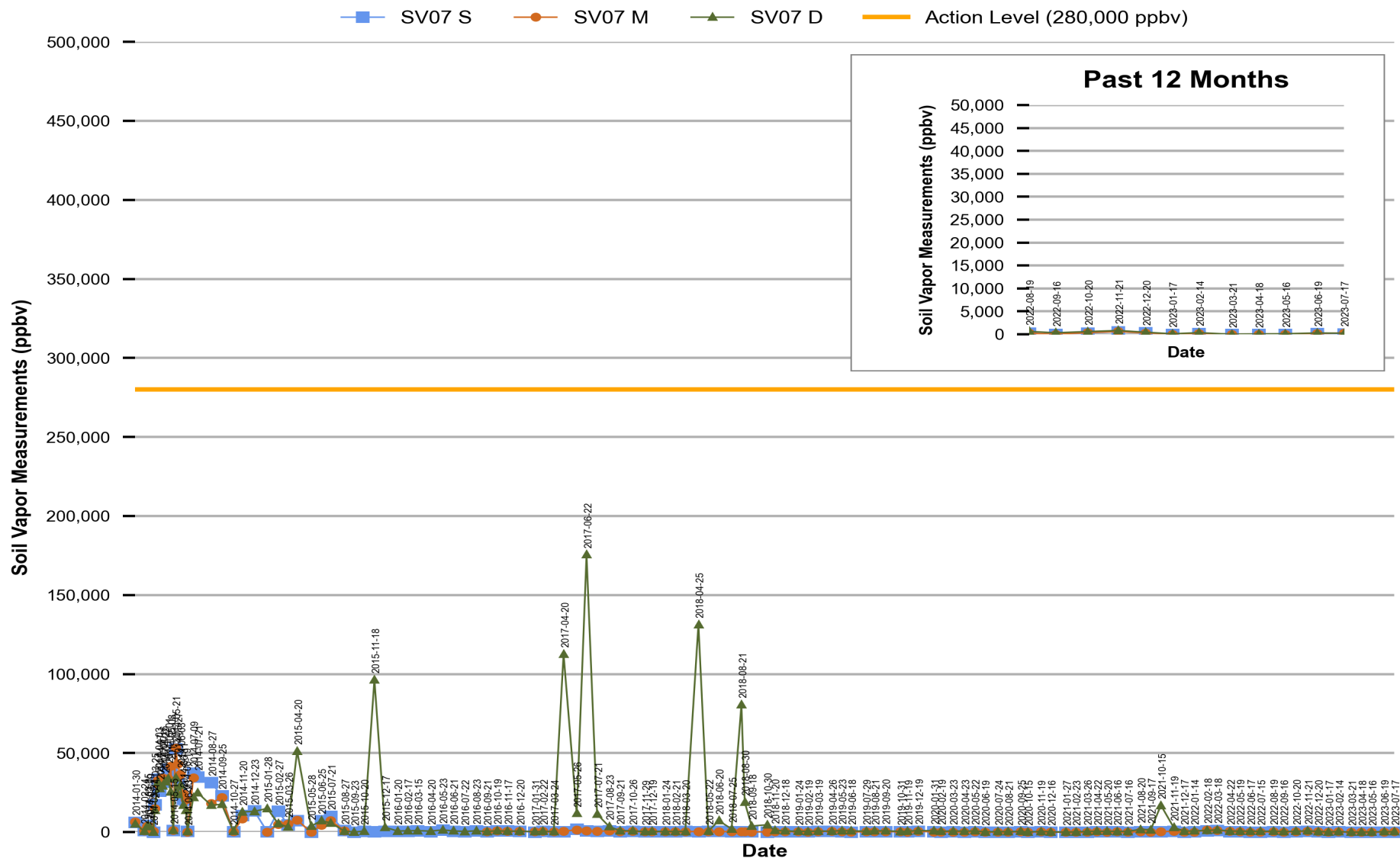
Notes (where applicable):

* "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 Jul 2023)



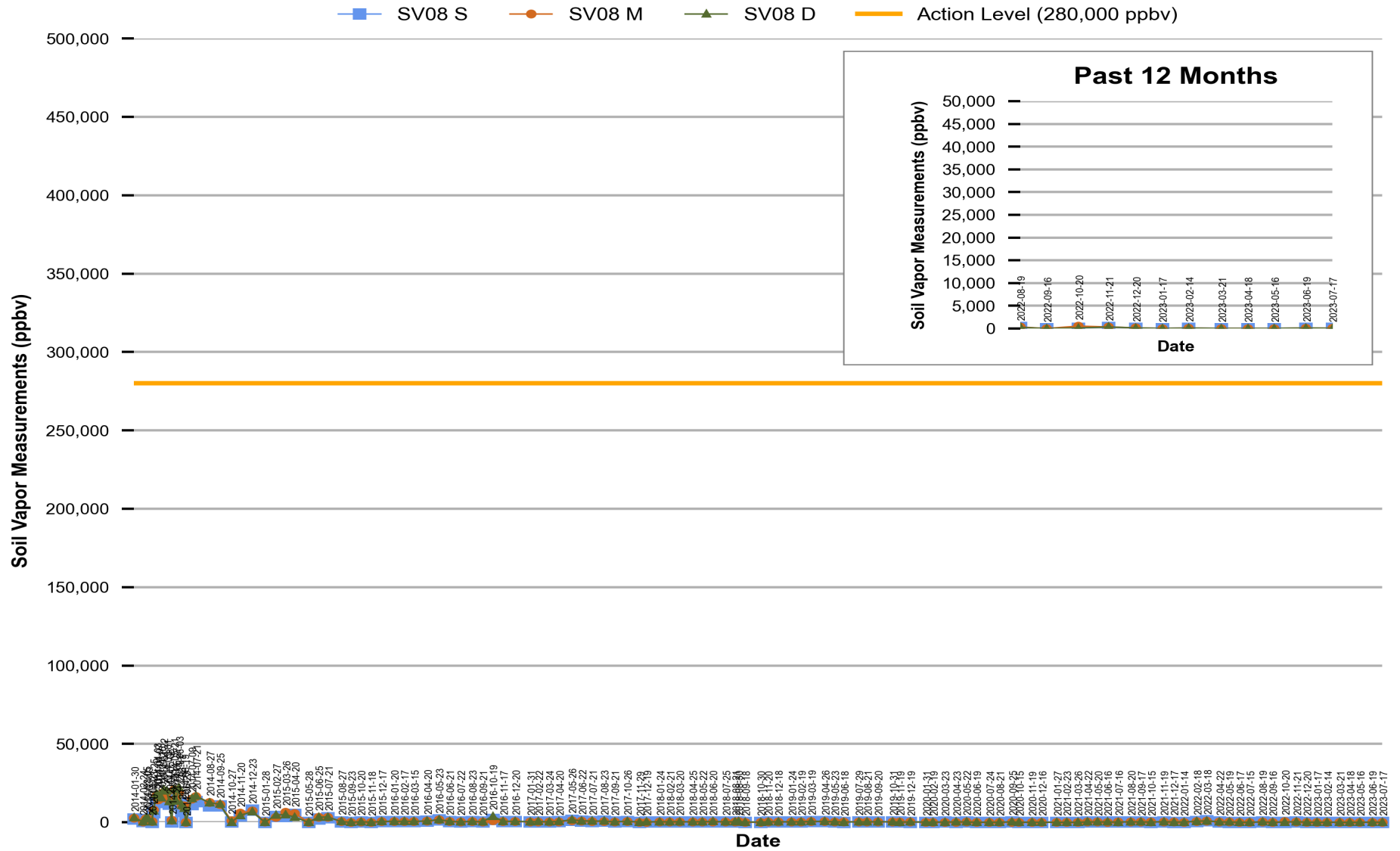
Notes (where applicable):

* "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 Jul 2023)



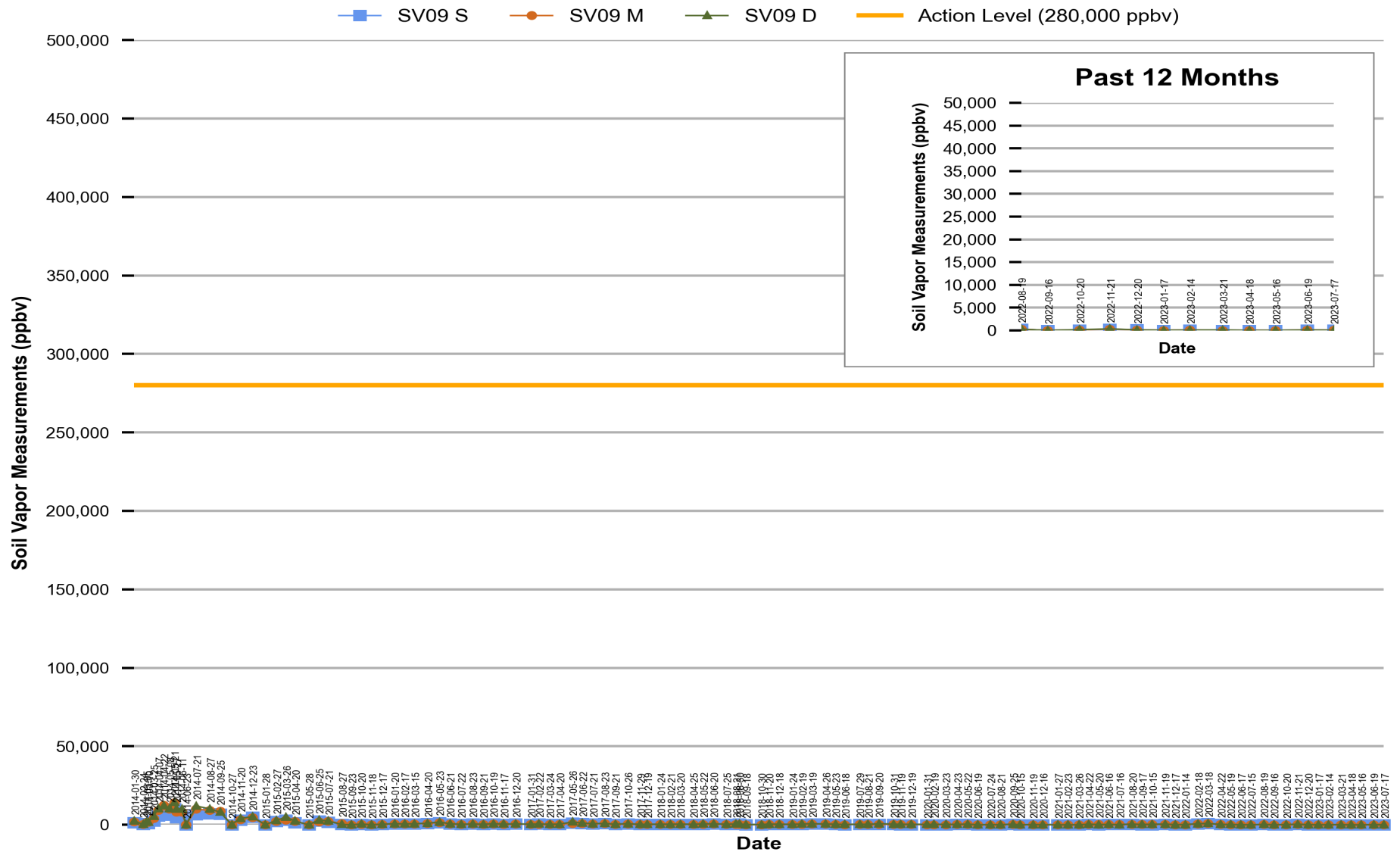
Notes (where applicable):

* "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 Jul 2023)



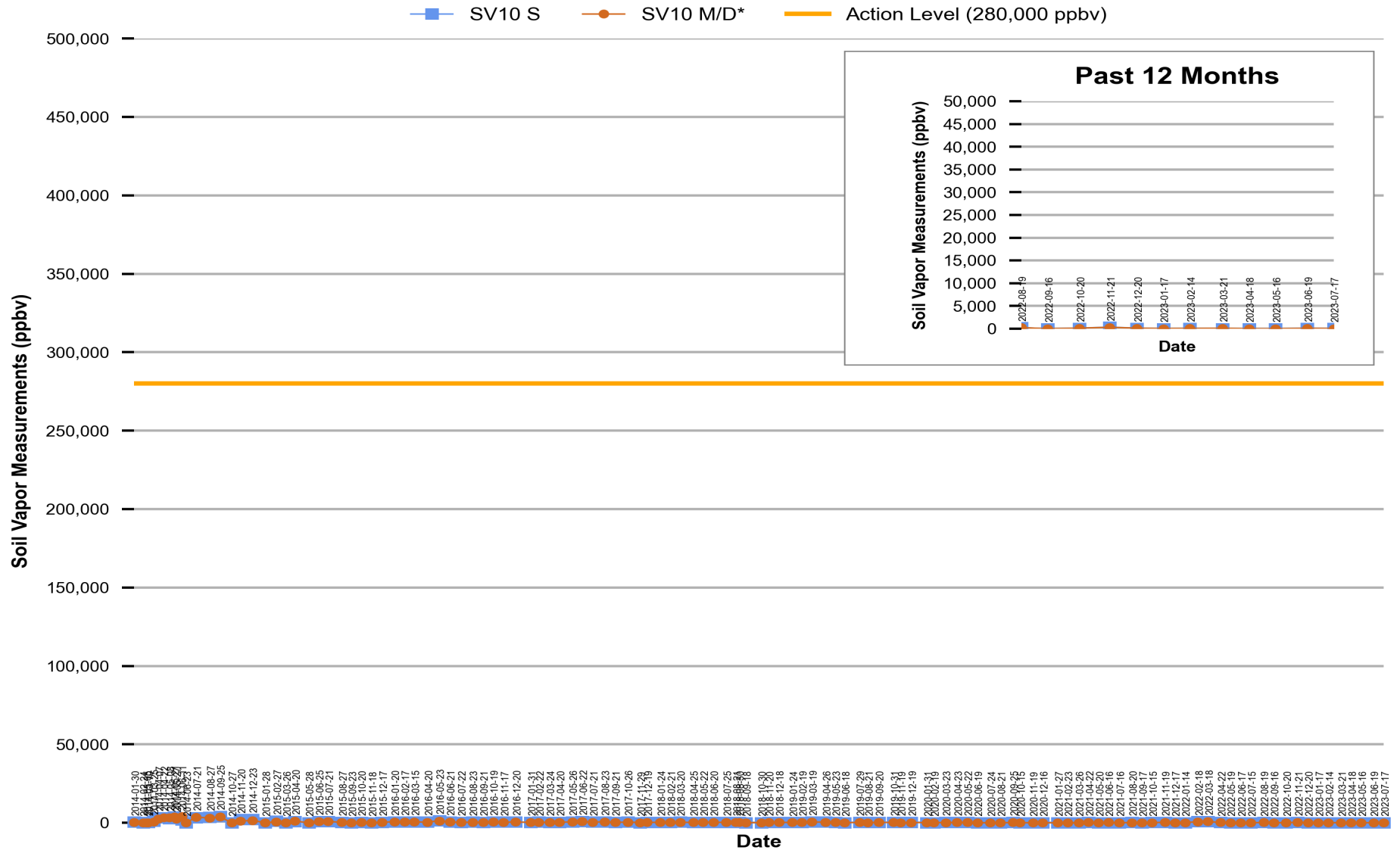
Notes (where applicable):

* "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 Jul 2023)



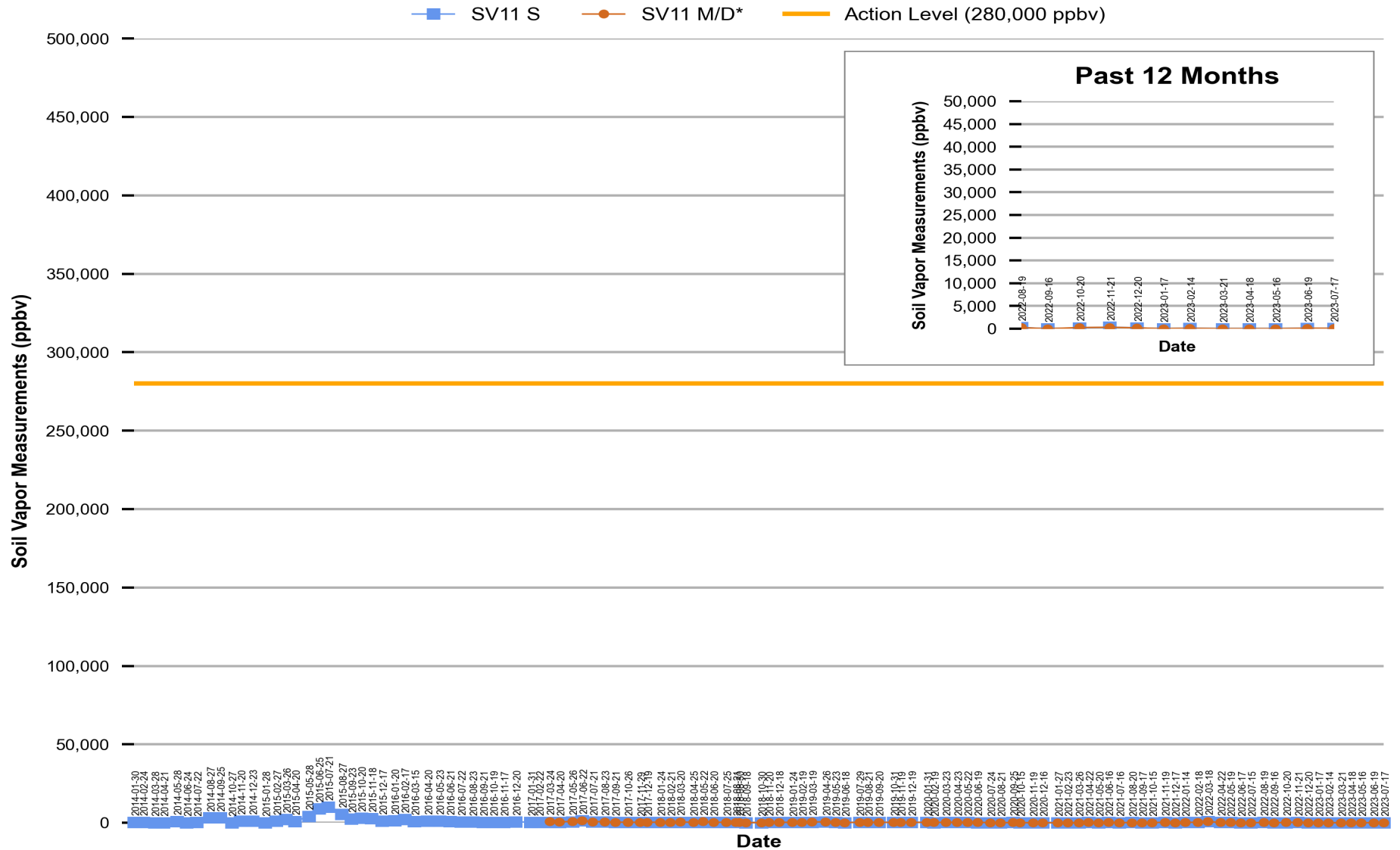
Notes (where applicable):

* "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 Jul 2023)



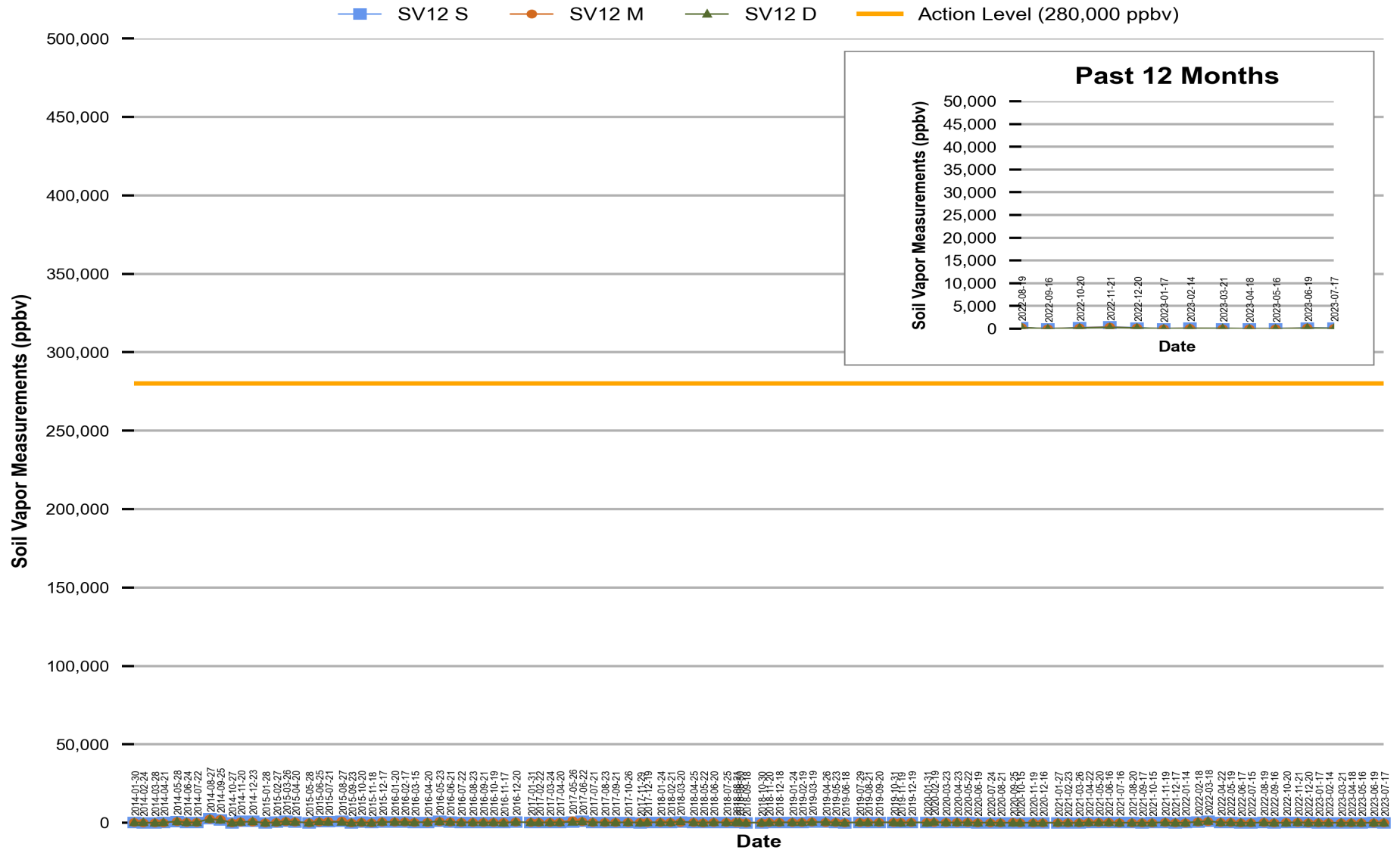
Notes (where applicable):

* "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 Jul 2023)



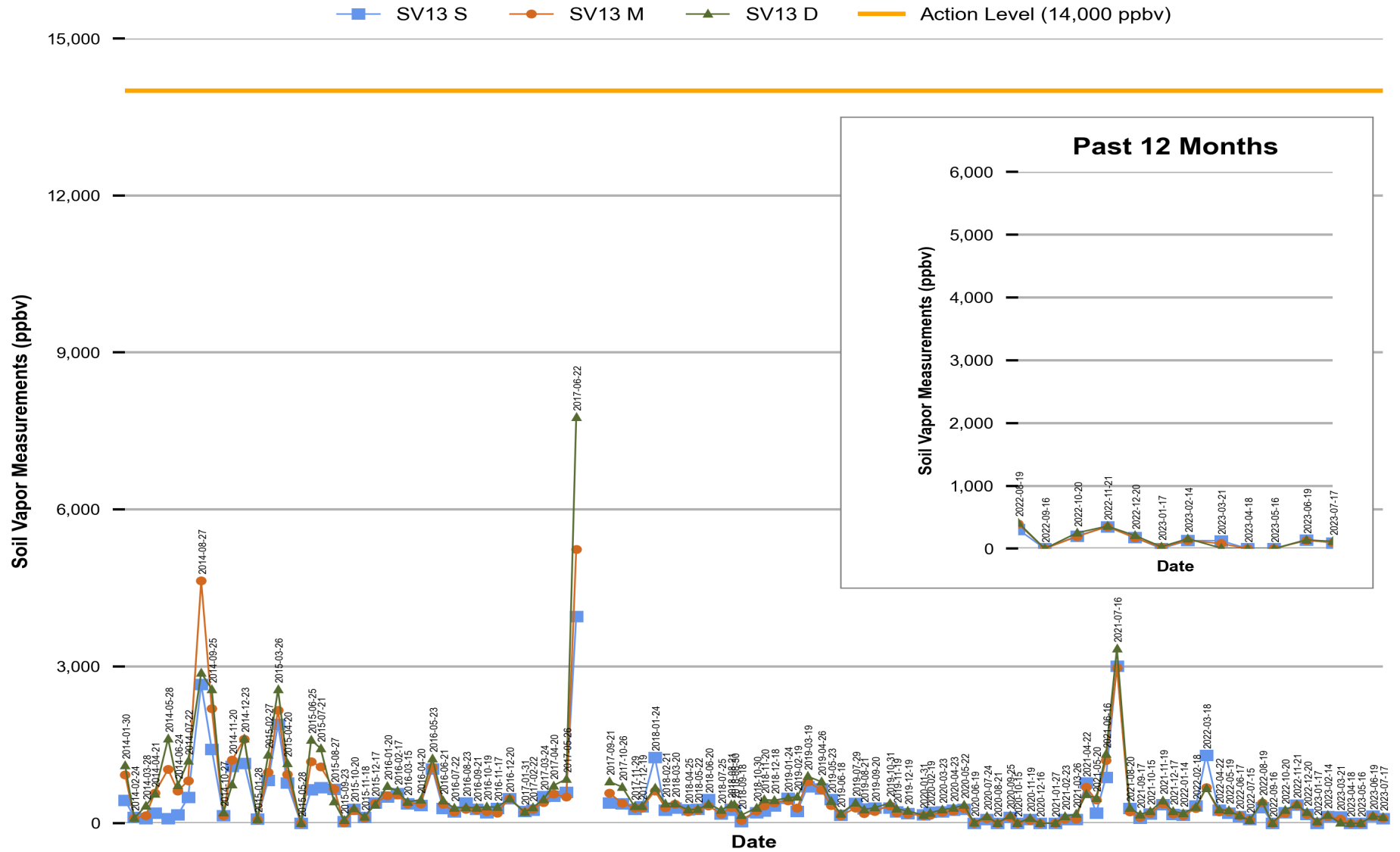
Notes (where applicable):

* "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 (F-76) EMPTY
Soil Vapor Measurements (Jan 2014 Through Jul 2023)



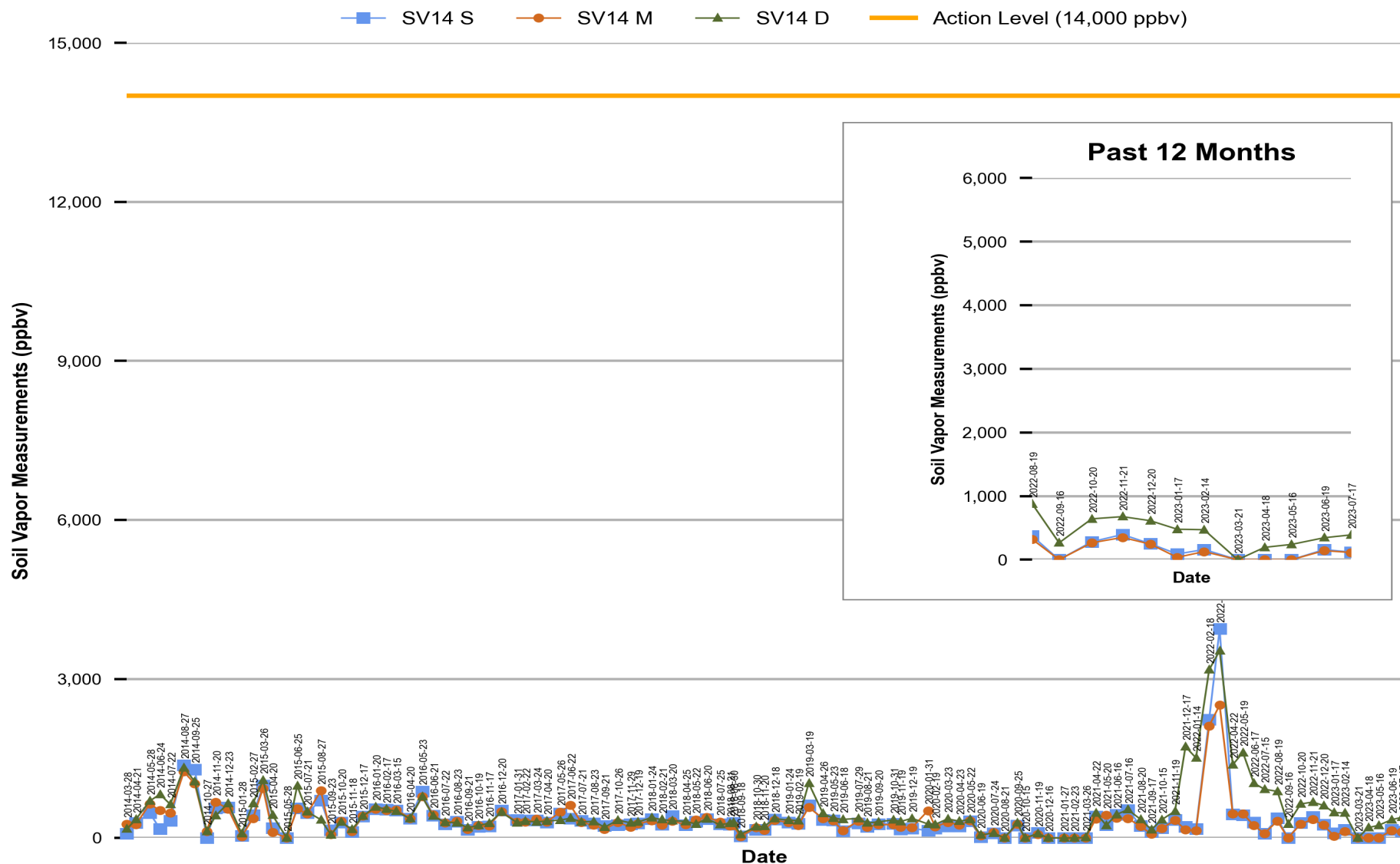
Notes (where applicable):

* "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 (F-76) EMPTY
Soil Vapor Measurements (Mar 2014 Through Jul 2023)



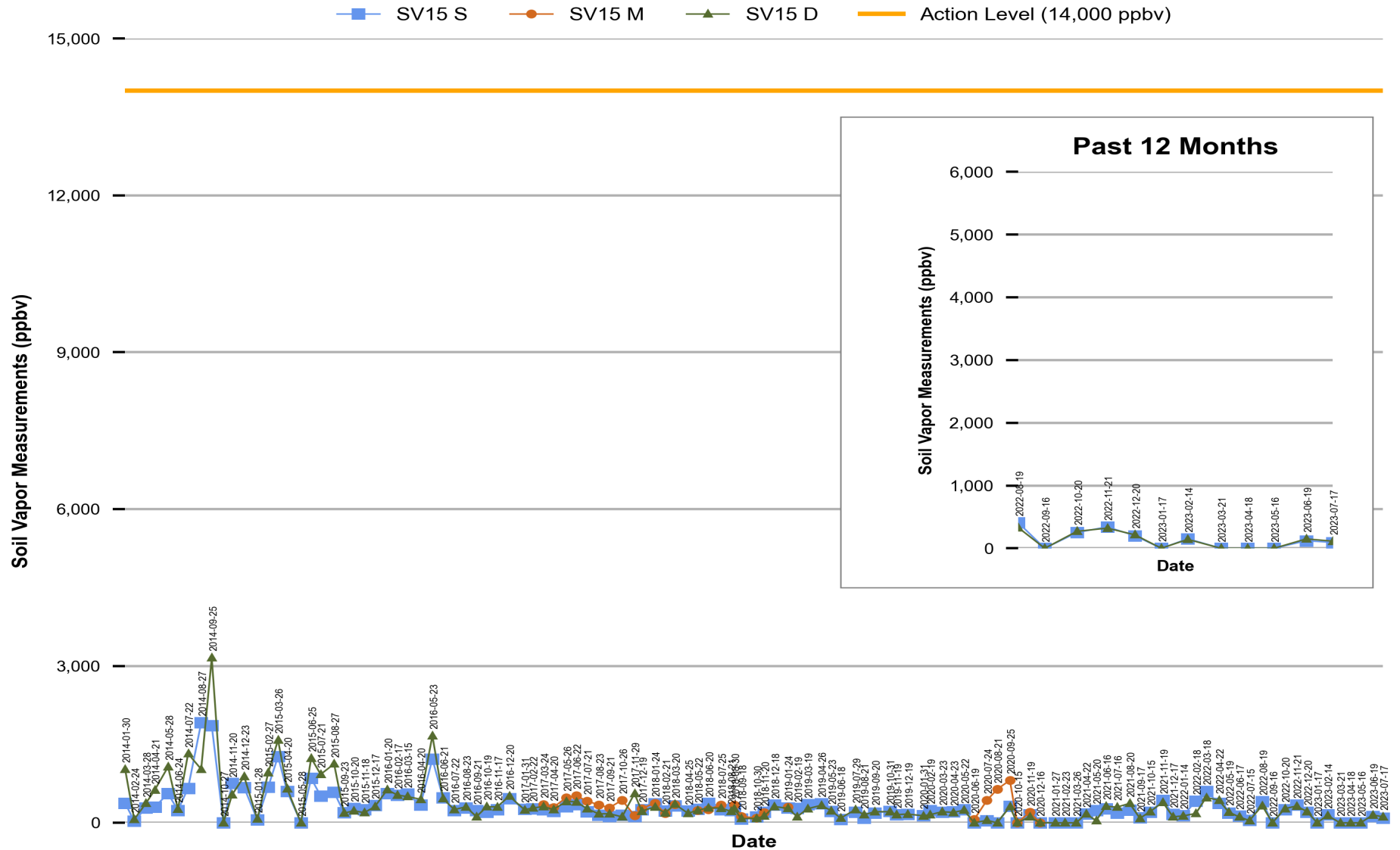
Notes (where applicable):

* "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 Jul 2023)



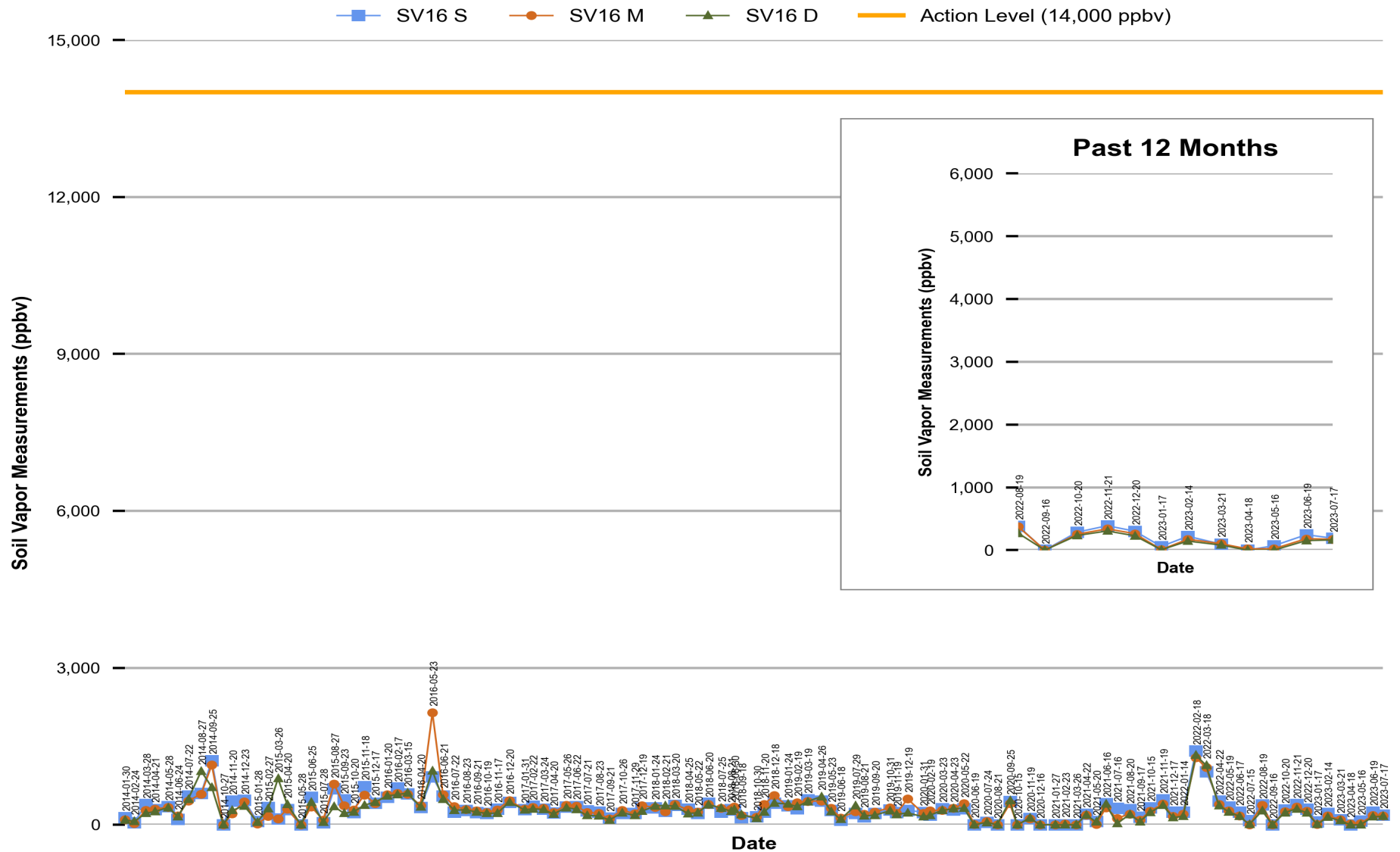
Notes (where applicable):

* "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 Jul 2023)



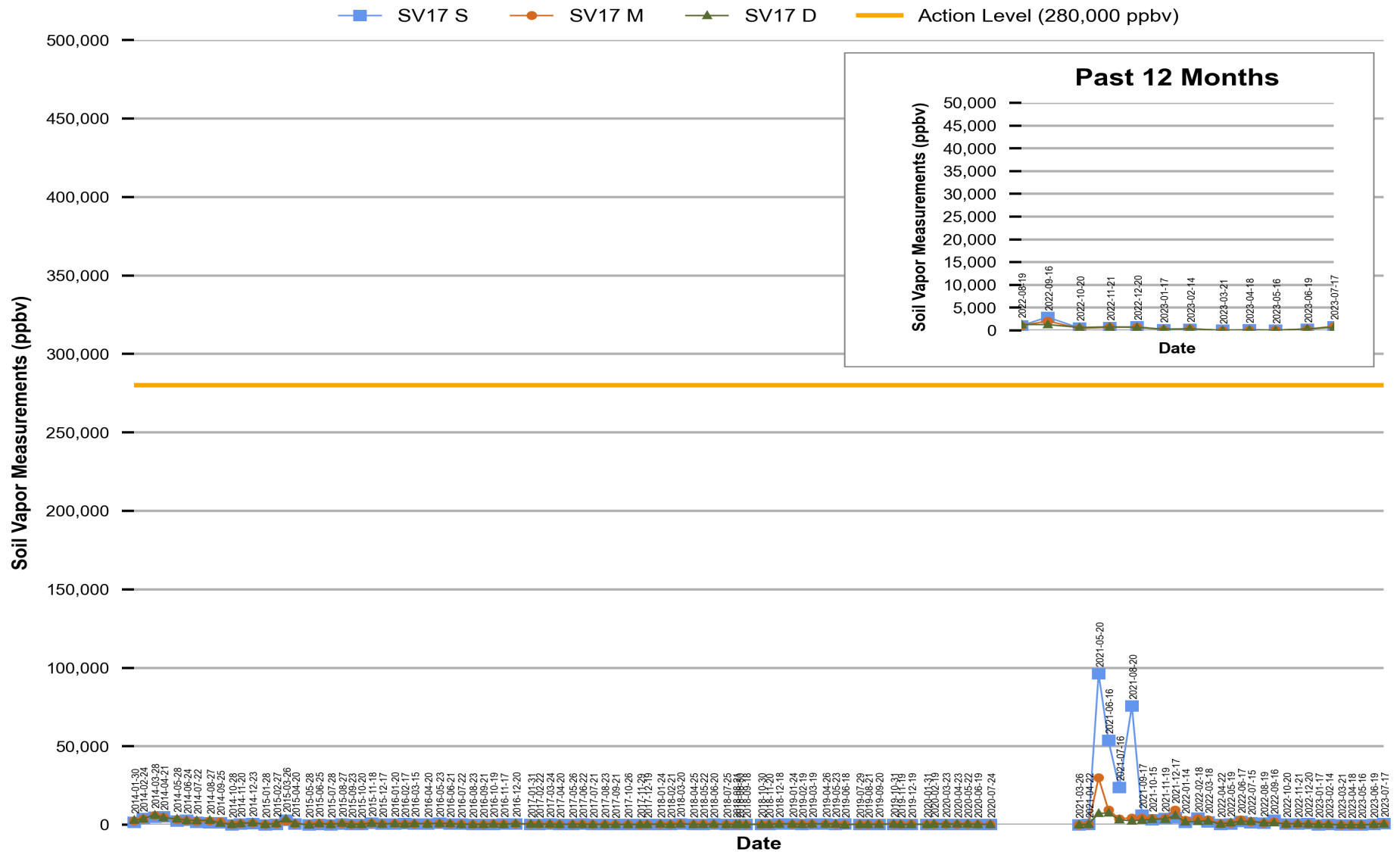
Notes (where applicable):

* "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 Jul 2023)



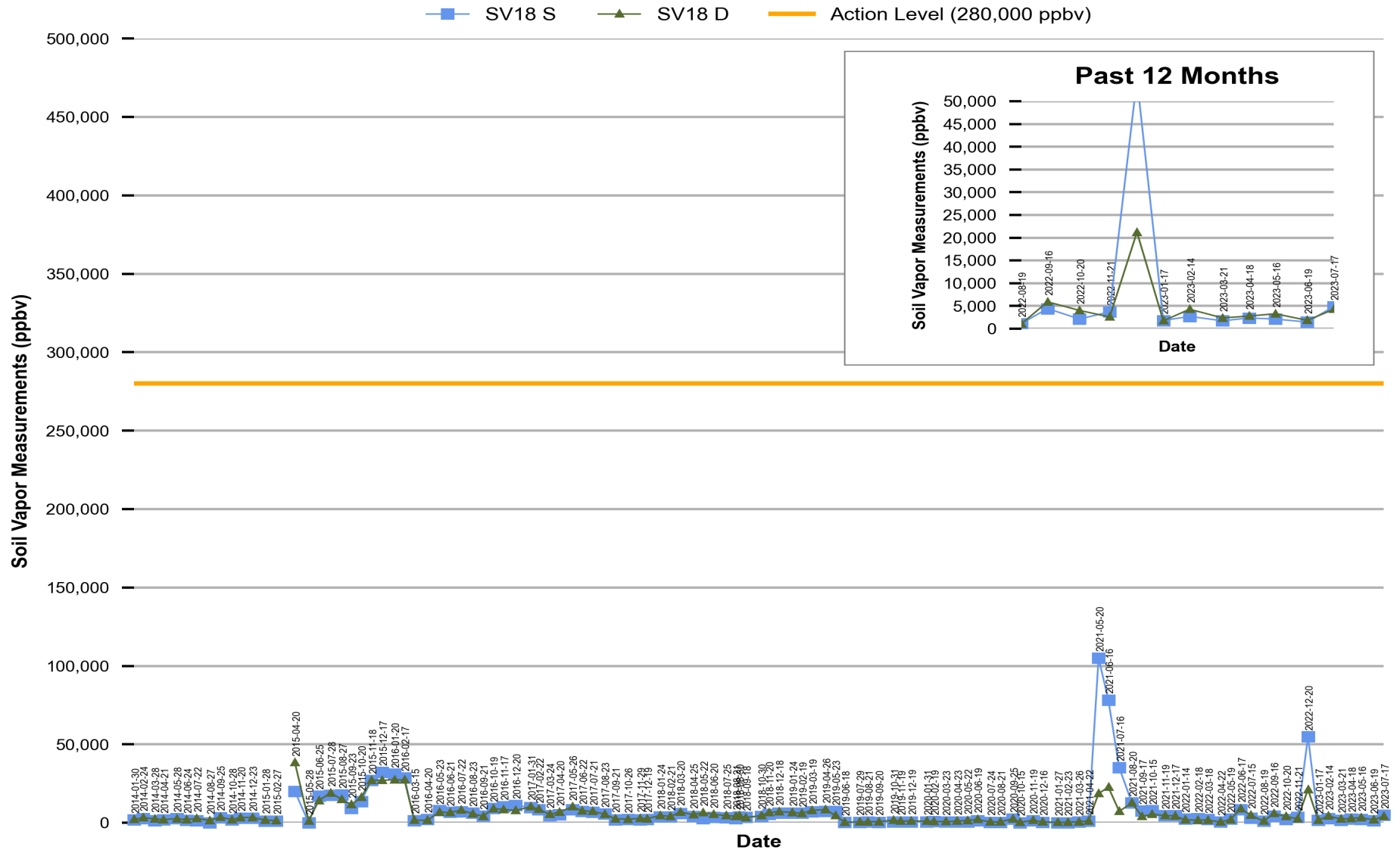
Notes (where applicable):

* "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 Jul 2023)



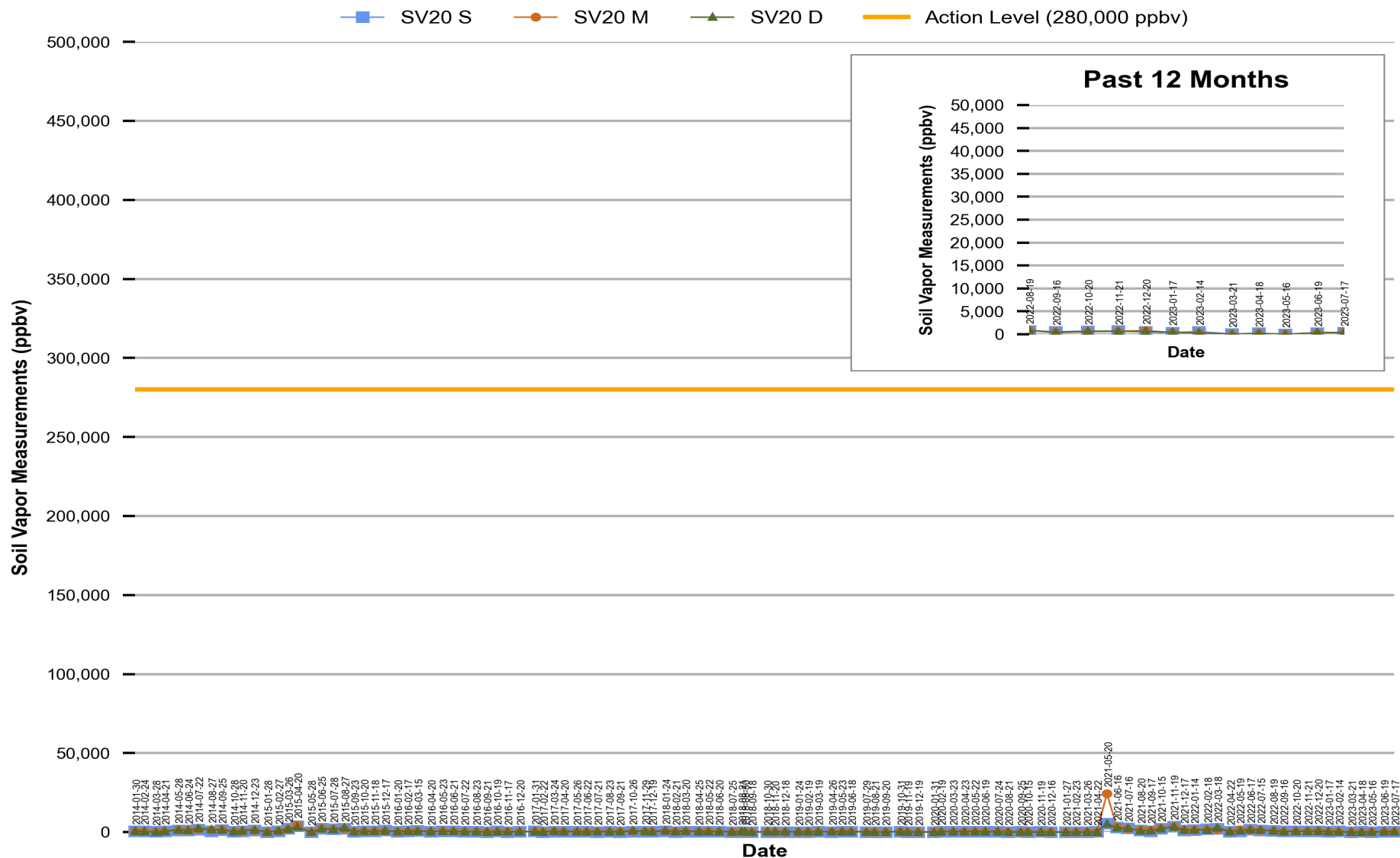
Notes (where applicable):

* "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 Jul 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 ¹	SV11 S	SV11 M/D ¹	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 M	SV18 D	SV20 S	SV20 M	SV20 D
4/18/2023	0	0	0	0	0	0	0	0	0	0	205	255	3,936	607	0	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	194	0	NC2	0	0	20	0	187	105	100	2,360	2,777	235	188	183
4/25/2023	0	0	0	0	0	0	0	0	0	0	73	0	4,868	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134	0	NC2	0	0	0	0	0	0	55	3,027	2,815	266	158	149	
5/1/2023	0	0	0	0	0	0	0	0	0	0	52	358	0	5,547	105	30	25	119	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	14	14	15	202	0	NC2	0	56	31	4	47	143	104	1,972	3,148	213	165	192
5/8/2023	0	0	0	0	0	0	0	0	0	0	195	0	4,217	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0	NC2	0	0	0	0	0	8	60	80	2,638	3,162	4	35	0	
5/16/2023	26	0	139	7	1	25	15	4	0	435	775	173	4,530	165	0	0	113	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	240	0	NC2	0	71	23	0	89	76	38	2,124	3,286	0	0	8			
5/23/2023	65	0	0	0	0	0	0	0	0	199	767	733	5,122	255	399	296	2,406	34	34	39	26	21	27	15	7	51	32	144	25	40	78	74	98	82	62	250	46	NC2	46	137	117	66	172	127	156	1,813	3,160	263	237	262		
5/30/2023	0	0	0	0	0	19	0	0	0	169	531	66	5,302	221	84	55	196	73	0	11	4	3	32	8	2	22	10	205	16	9	50	42	60	72	61	361	0	NC2	0	162	116	76	153	144	208	2,209	3,383	299	281	291		
6/6/2023	0	0	0	0	0	0	32	0	0	157	117	94	4,323	326	102	72	186	0	0	0	14	0	10	0	10	17	7	149	25	27	30	29	65	62	72	239	24	NC2	30	100	74	57	137	131	194	1,828	2,573	310	233	219		
6/13/2023	2	8	1	6	3	9	28	25	28	191	235	128	3,683	760	160	141	248	75	88	98	67	69	110	82	65	93	82	124	119	99	111	109	118	135	150	287	98	NC2	111	192	169	150	177	194	159	1,503	2,252	232	243	249		
6/19/2023	4	8	21	4	8	20	28	20	38	437	166	129	4,488	244	154	159	285	103	109	122	97	100	114	101	95	127	118	198	152	143	140	130	140	159	142	345	121	NC2	150	246	182	152	239	273	335	1,462	1,839	315	320	326		
6/26/2023	76	72	57	69	71	85	93	107	102	426	1,067	1,110	7,487	766	368	401	529	256	294	312	294	280	315	265	250	314	297	395	336	359	392	337	327	365	371	670	337	NC2	340	476	407	371	408	388	501	4,546	3,808	477	488	468		
7/3/2023	19	25	20	54	63	85	80	101	172	1,126	1,225	536	7,908	179	485	453	661	211	212	222	220	223	244	215	208	301	277	385	280	292	346	324	298	351	330	702	248	NC2	276	424	361	314	317	313	376	2,954	3,454	409	391	416		
7/10/2023	0	0	0	0	0	44	23	11	17	160	206	233	4,303	621	314	251	438	58	64	50	50	54	60	48	48	94	45	139	74	52	85	110	54	134	107	325	53	NC2	84	142	133	69	491	336	597	2,845	4,415	468	343	384		
7/17/2023	0	0	0	0	0	19	121	29	0	553	889	342	4,980	335	125	276	223	51	51	38	59	59	47	45	43	85	85	161	103	105	91	98	115	120	113	390	94	NC2	114	190	174	162	793	923	692	4,868	4,244	364	420	381		

Notes:
 NC2 - Not collected due to obstruction in vapor line
¹ - "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.
 Soil vapor concentration readings are reported in parts per billion by volume (ppbv).

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20210507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)

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
4/18/2023	0	0	0	10	17	31	43	32	79	36	53	38	108	24	120	606	1,185	873
4/25/2023	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	559	1,009	538
5/1/2023	0	0	0	0	107	60	22	47	21	31	64	78	119	22	72	451	1,143	559
5/8/2023	0	0	0	0	138	0	0	0	0	0	0	0	0	0	0	650	2,069	530
5/16/2023	167	136	141	159	366	14	0	0	0	11	21	0	0	0	162	562	948	255
5/23/2023	747	722	501	306	333	153	155	162	132	143	158	160	221	164	158	897	1,001	615
5/30/2023	41	67	72	76	125	257	170	200	206	232	186	179	192	106	275	723	1,059	822
6/6/2023	2,493	60	1,034	46	51	141	61	69	71	93	114	76	108	79	81	744	970	708
6/13/2023	80	110	118	97	318	172	145	138	127	138	141	155	171	133	187	502	NC	498
6/19/2023	117	155	132	141	156	295	191	216	173	243	248	199	207	229	603	1,000	687	631
6/26/2023	195	253	231	461	379	440	377	393	271	418	428	437	453	451	473	1,069	3,956	808
7/3/2023	88	196	225	208	316	387	295	373	305	420	433	417	350	320	338	1,006	989	759
7/10/2023	83	115	99	163	103	388	143	82	99	97	113	93	109	118	135	2,371	1,734	953
7/17/2023	70	101	83	111	88	186	161	175	188	198	212	147	170	168	208	2,111	7,575	581

Notes:

NC - Not collected

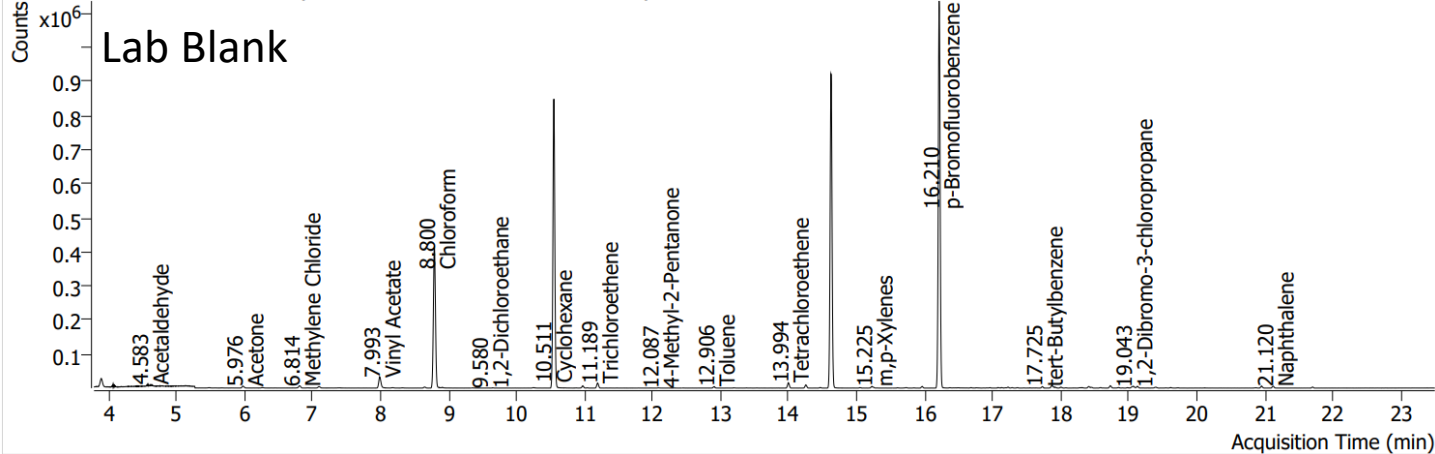
Soil vapor concentration readings are reported in parts per billion by volume (ppbv).

Appendix A.3 – NOI Soil Vapor Chromatograms

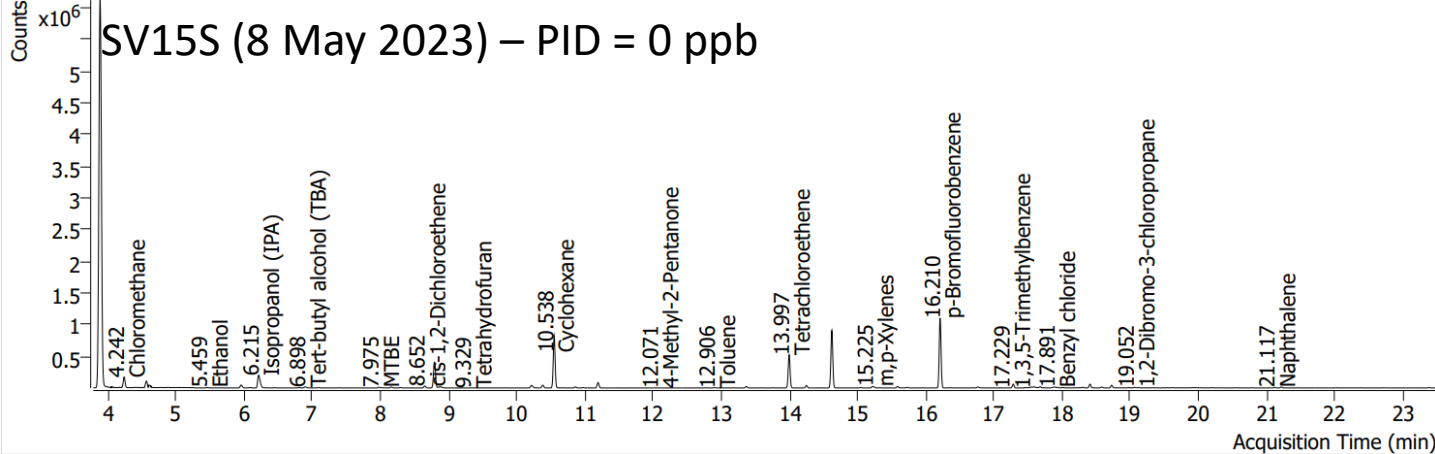
May 2023
Soil Vapor Samples

Mass Spec Chromatograms

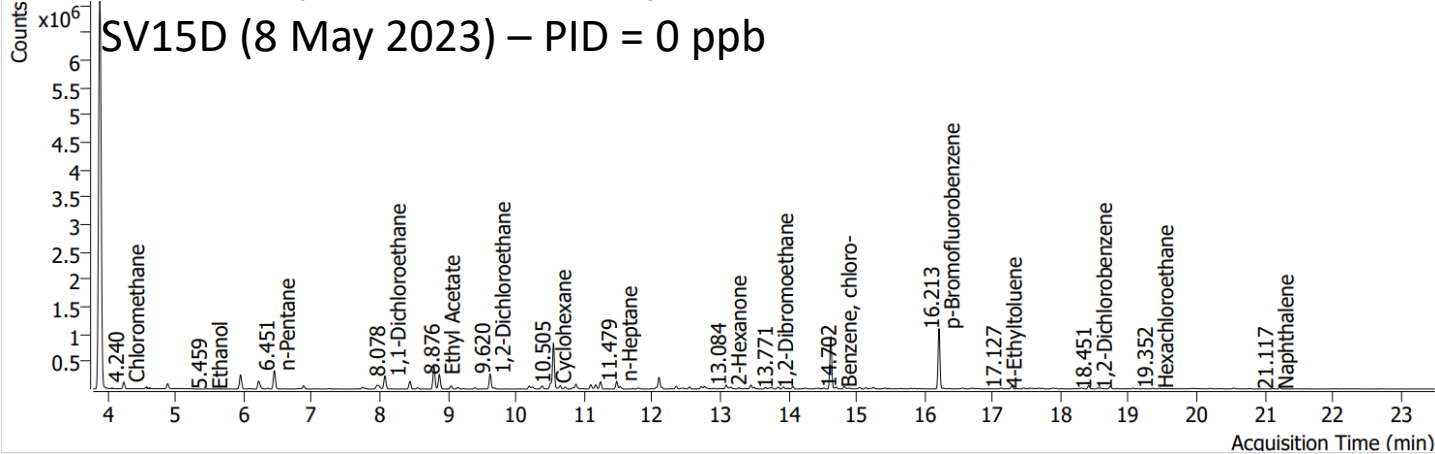
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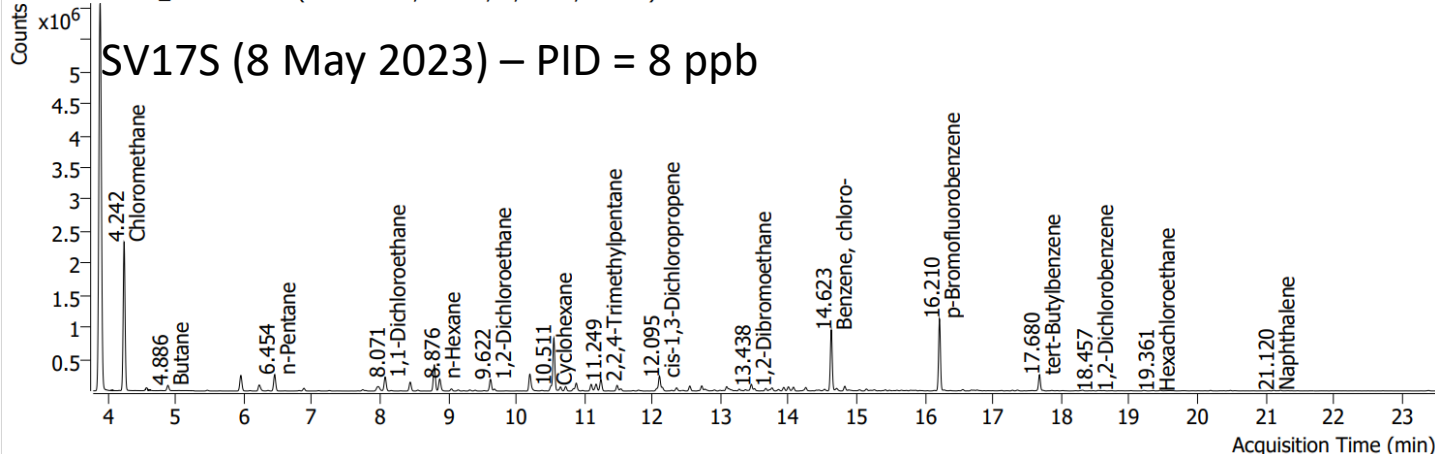
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+ TIC Scan Air09_230514010.D (484955-002,313946,2x,PDF:1,C10304)

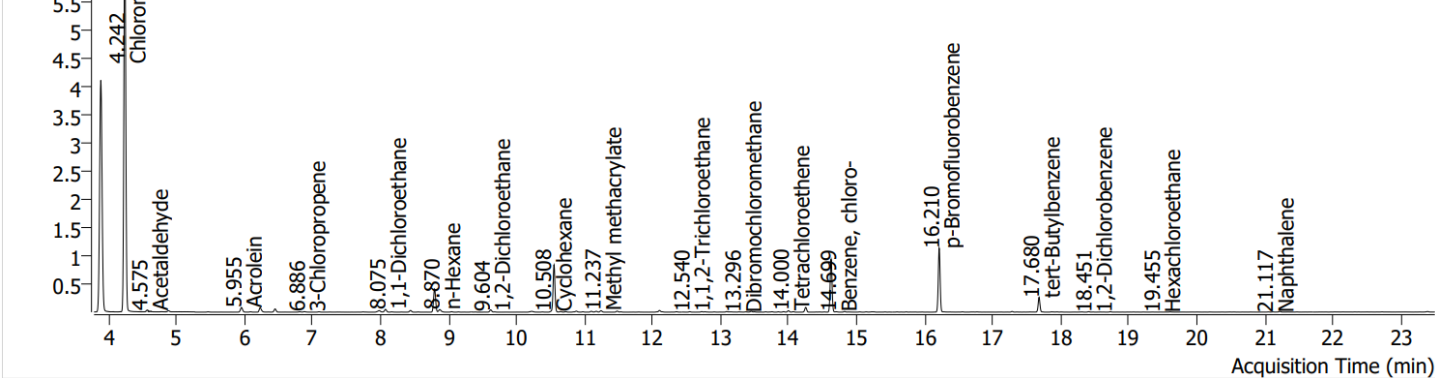


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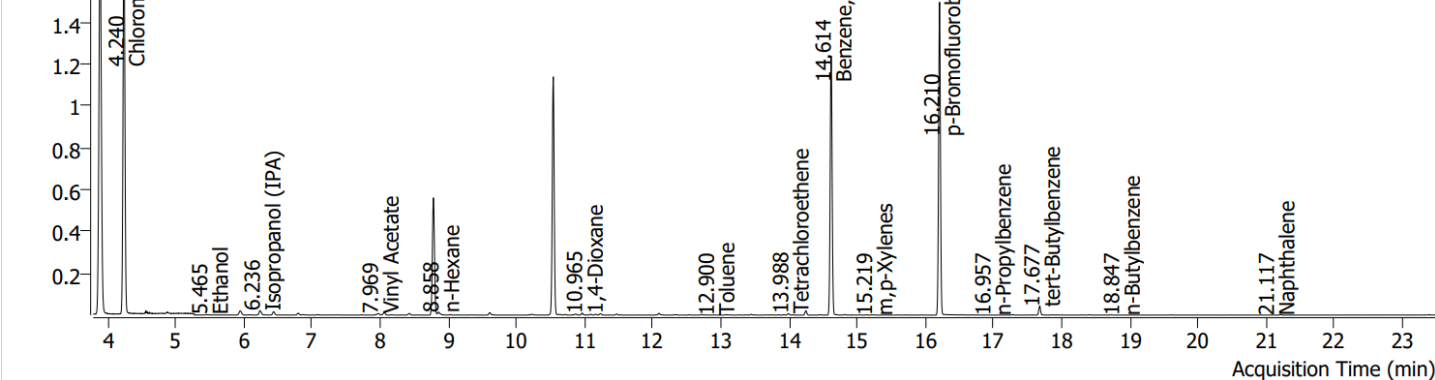
+ TIC Scan Air09_230514012.D (484955-004,313946,2x,PDF:1,C10409)

SV17D (8 May 2023) – PID = 80 ppb



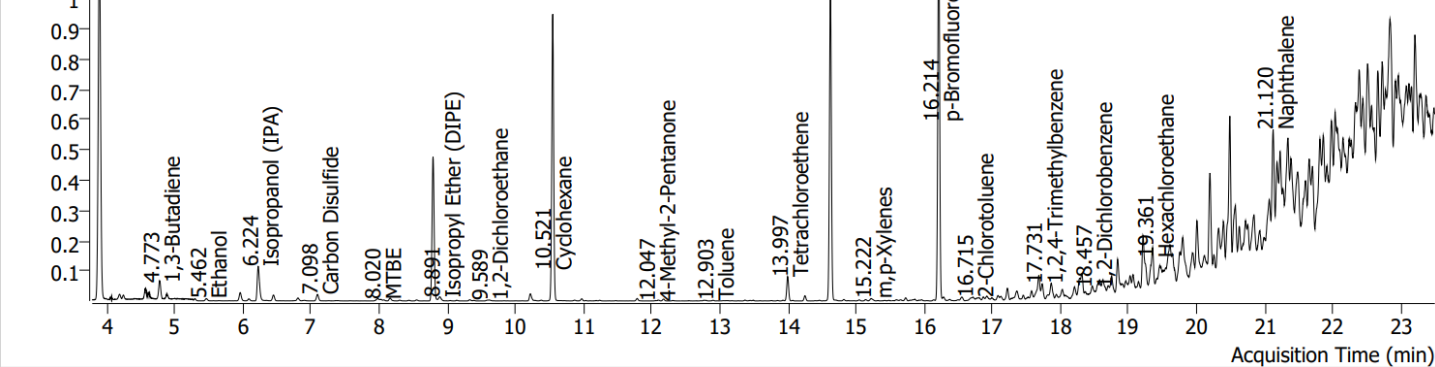
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SV17D (8 May 2023) – PID = 80 ppb



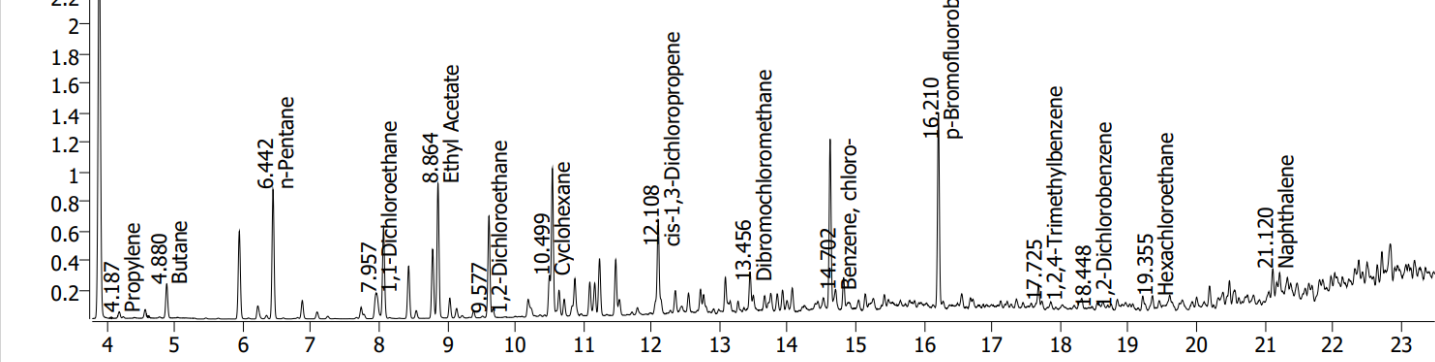
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SV18S (8 May 2023) – PID = 2,638 ppb

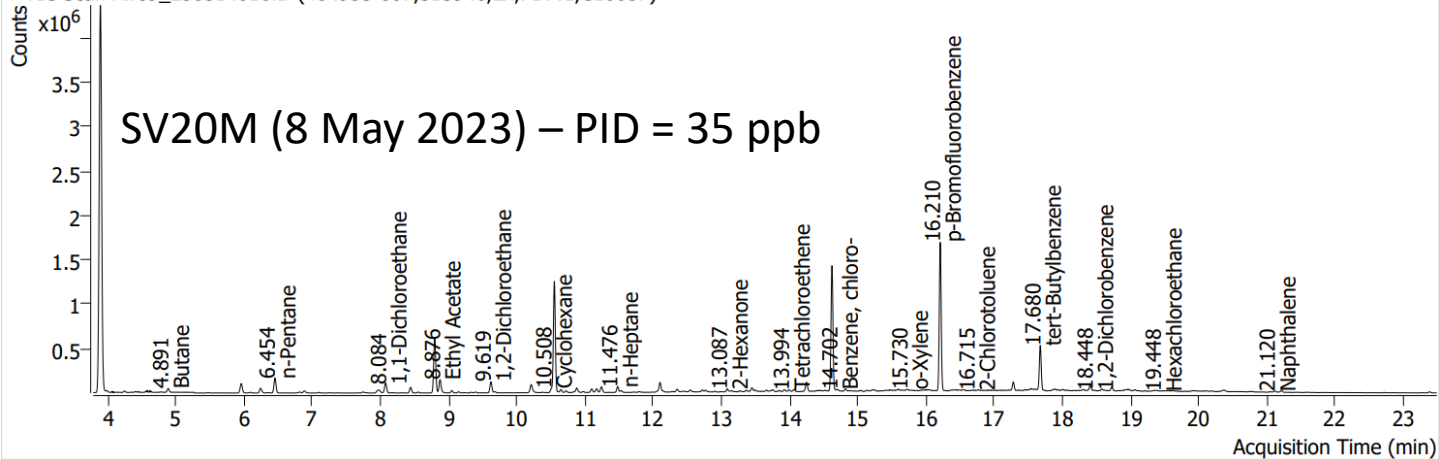


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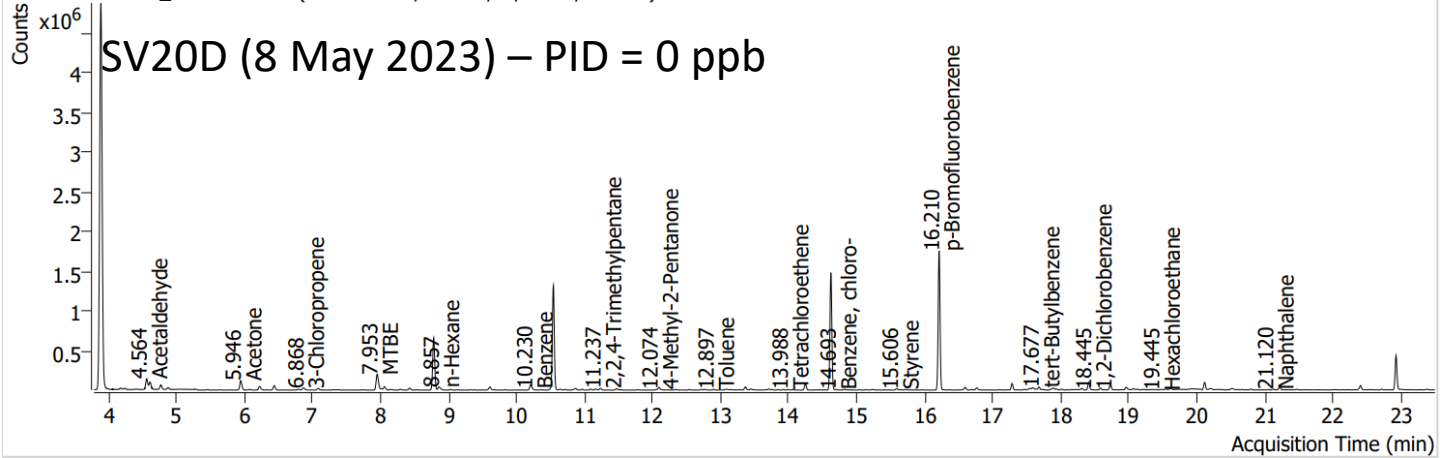
SV18D (8 May 2023) – PID = 3,162 ppb



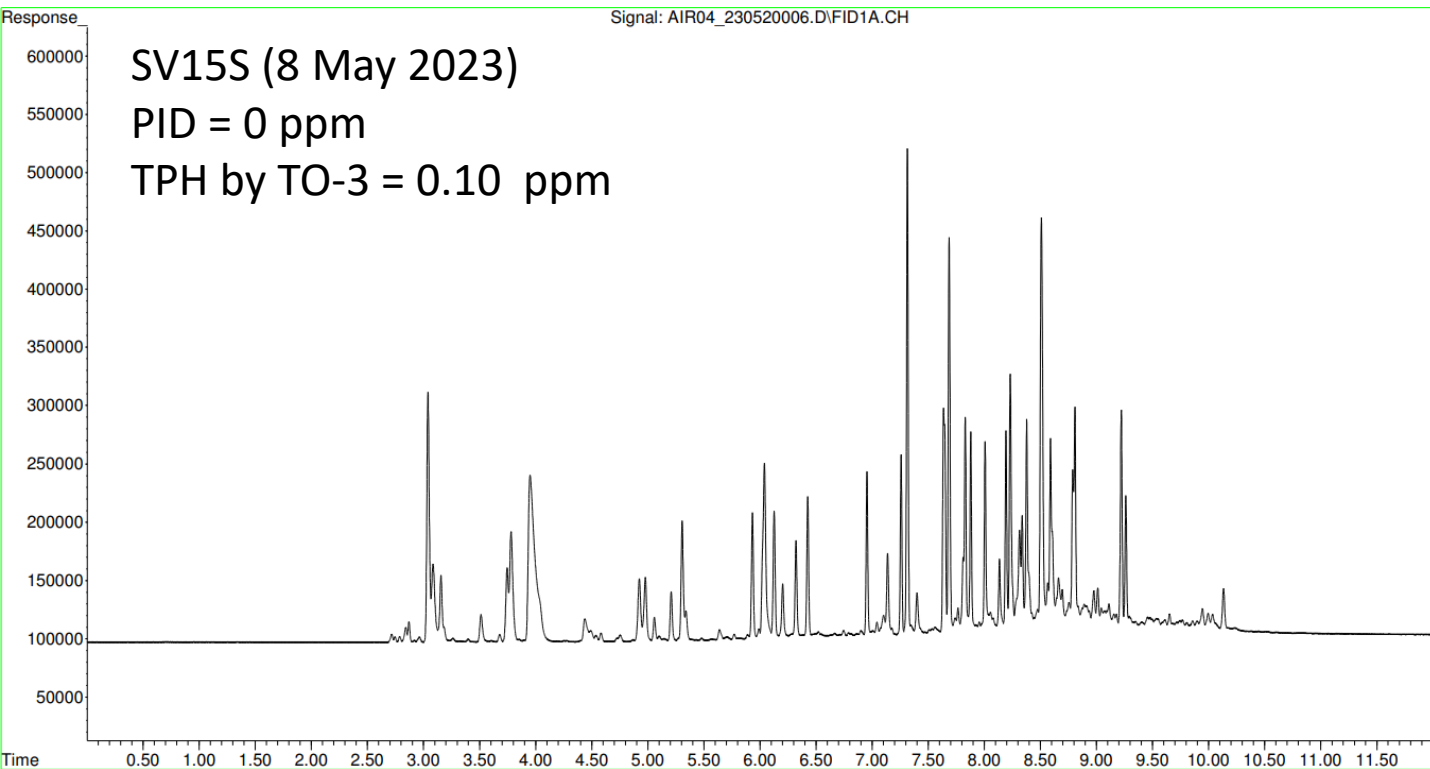
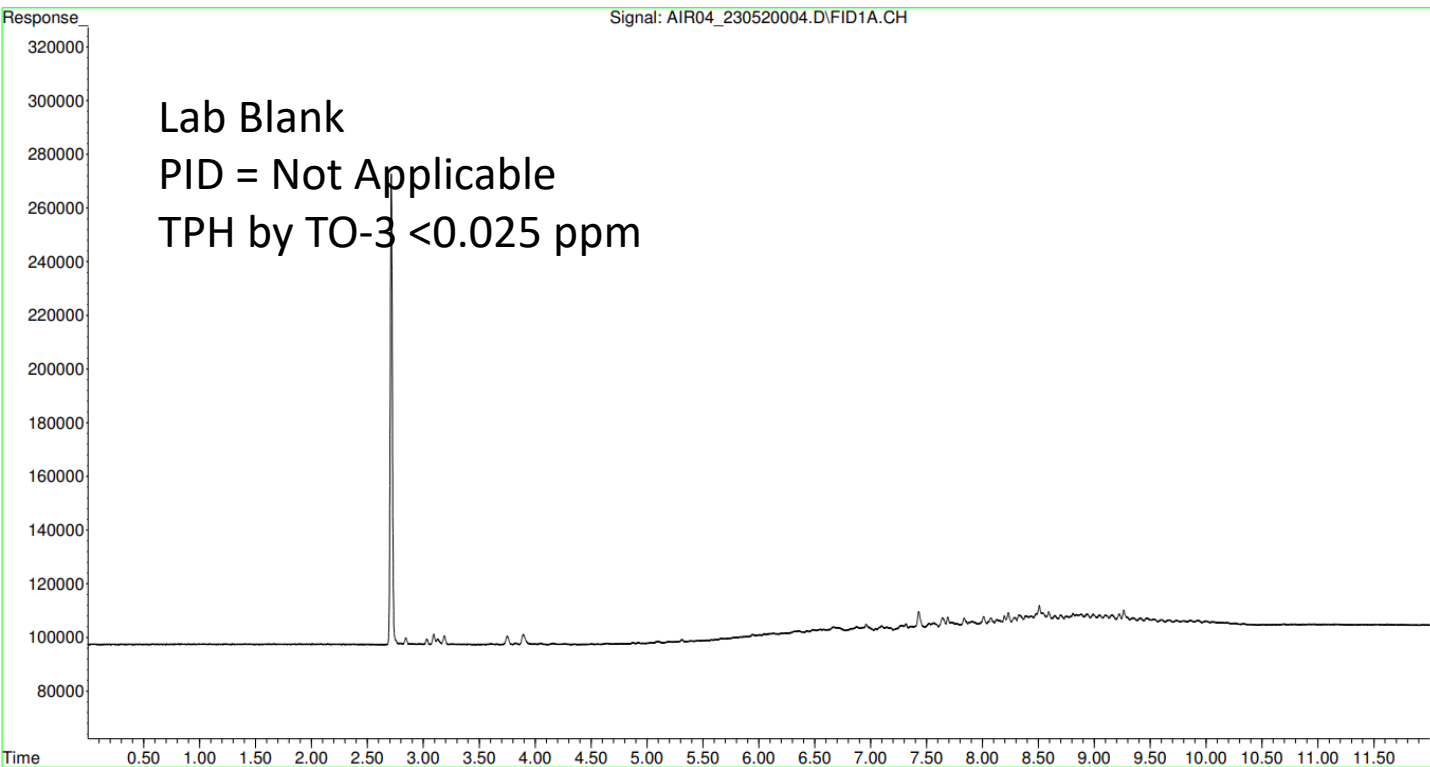
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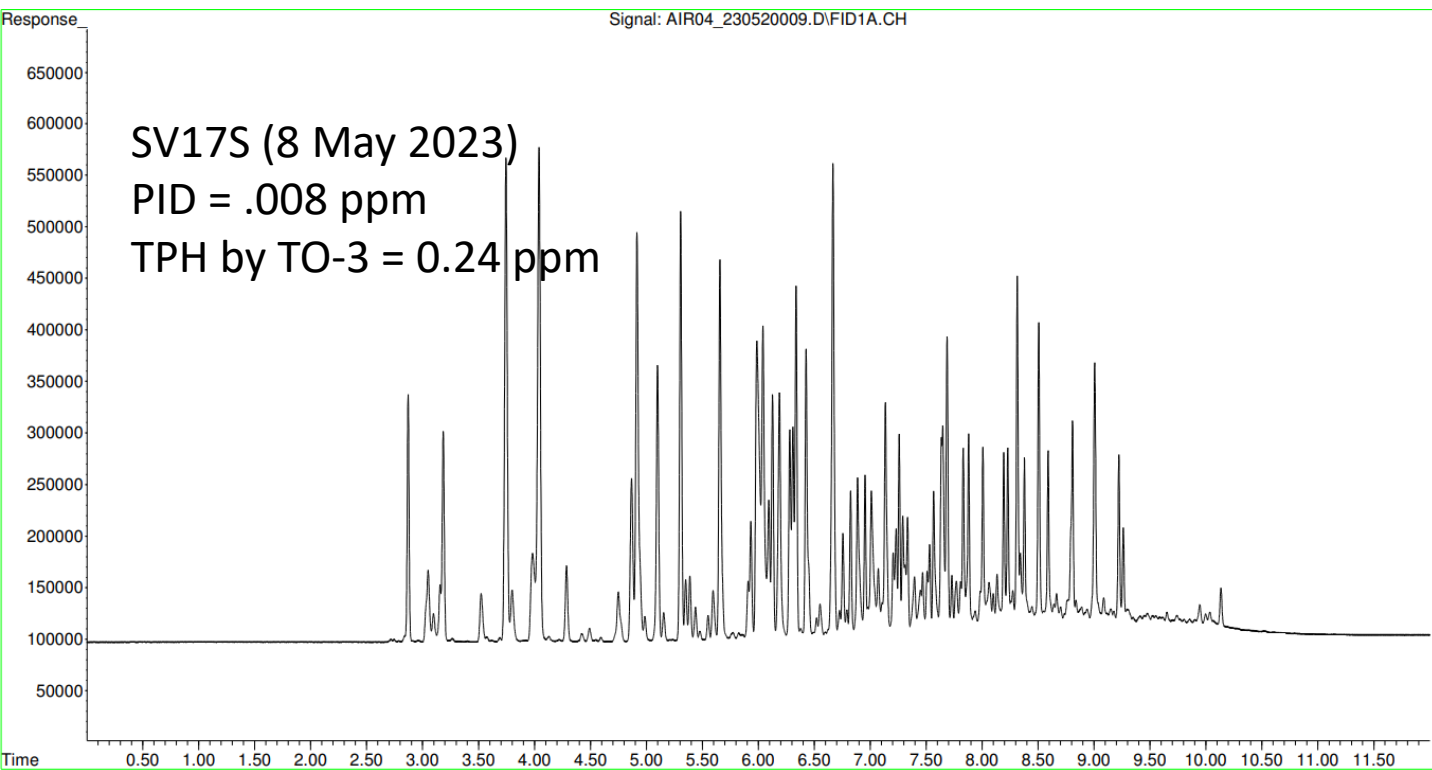
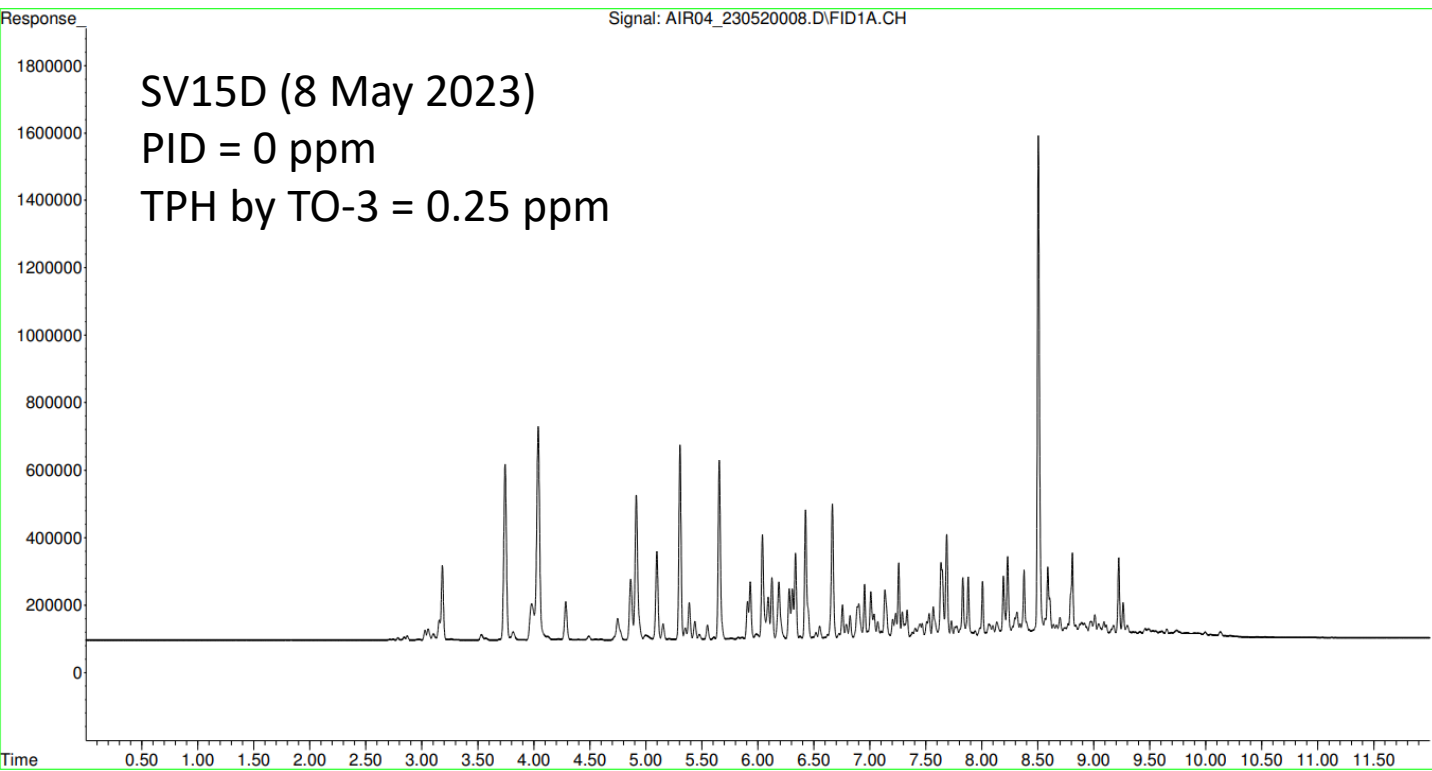


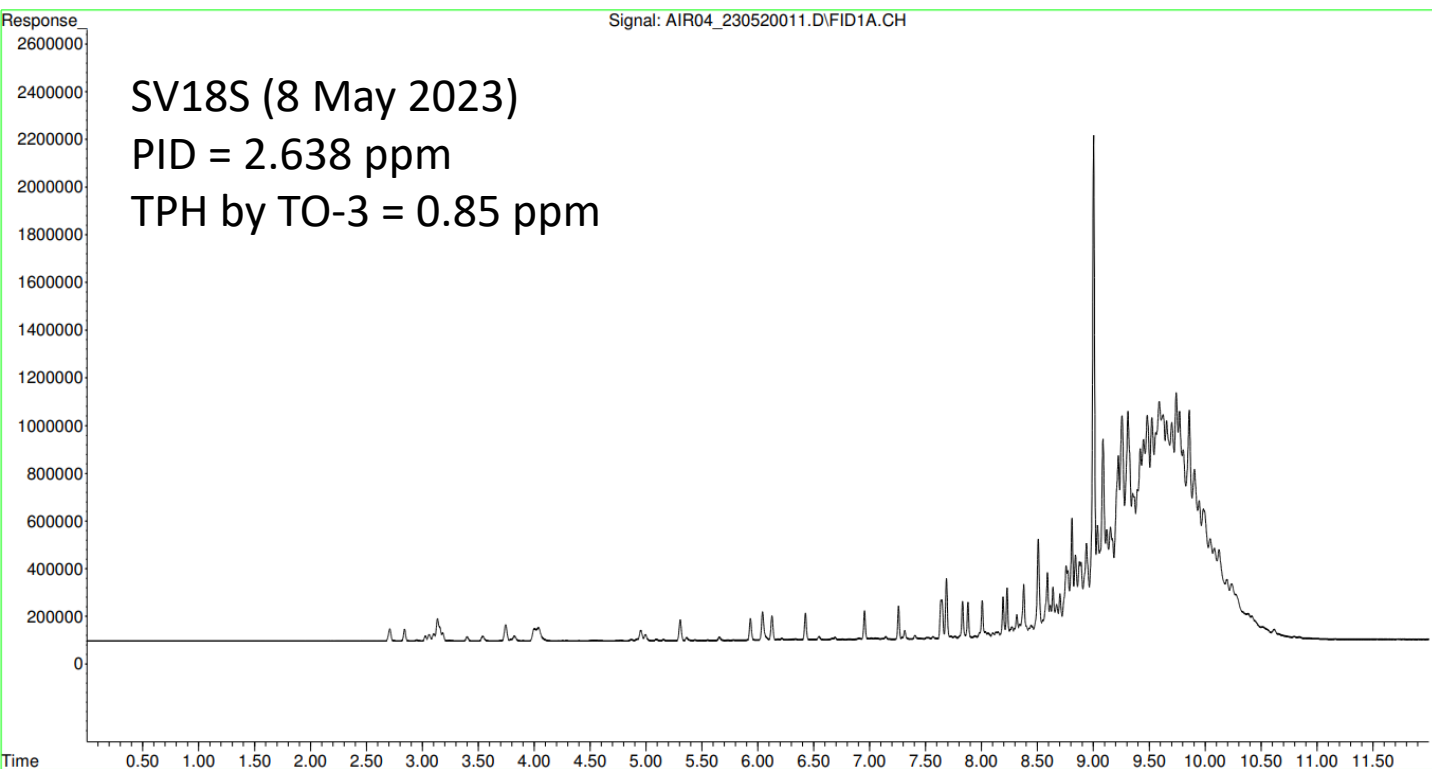
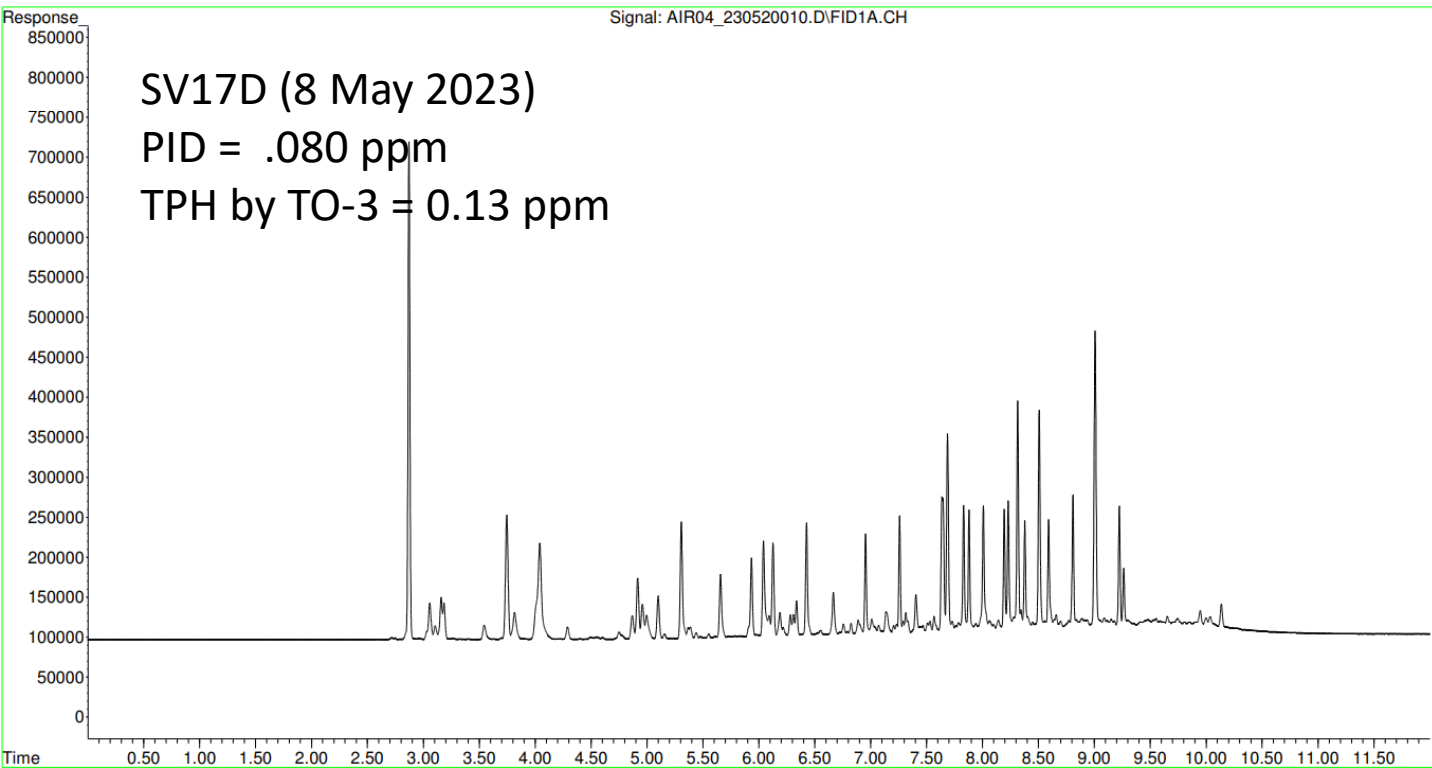
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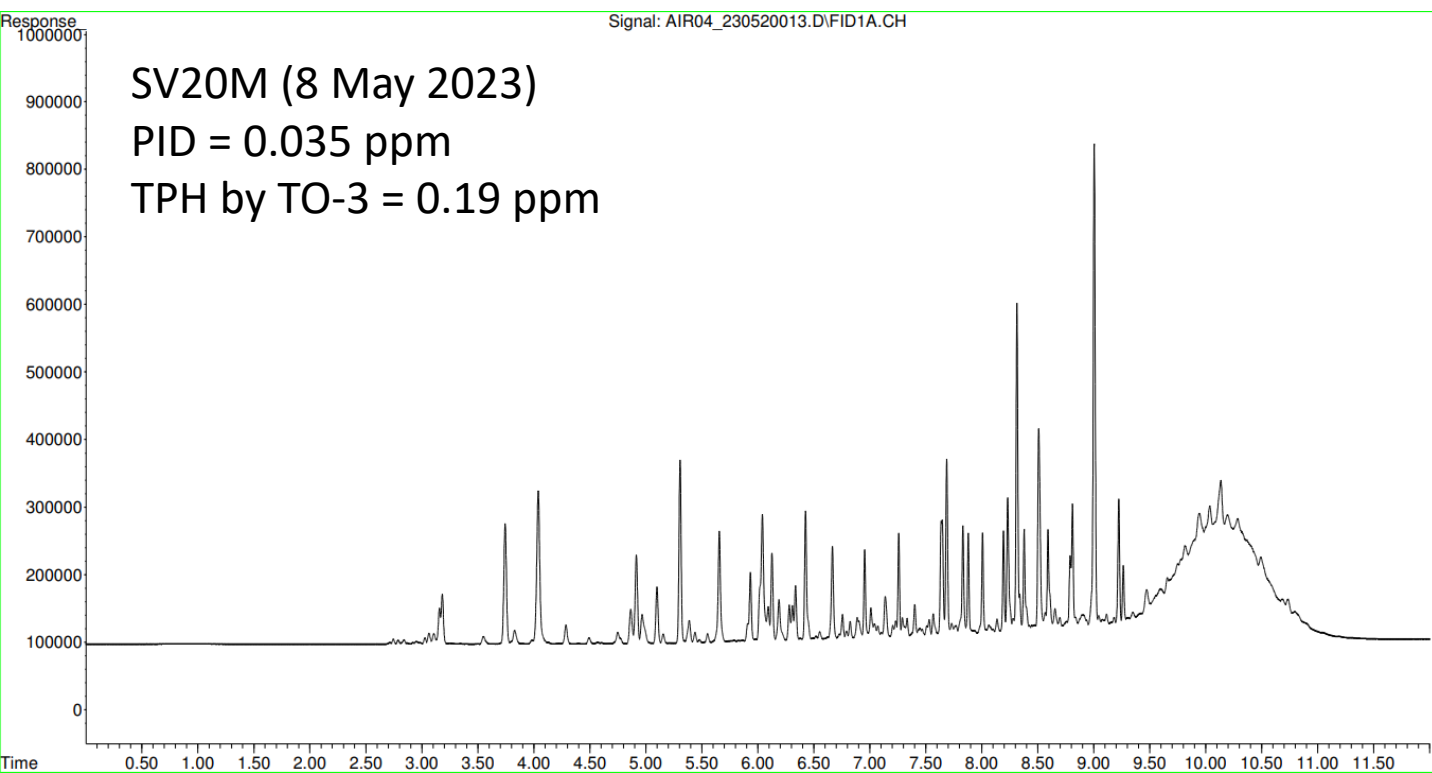
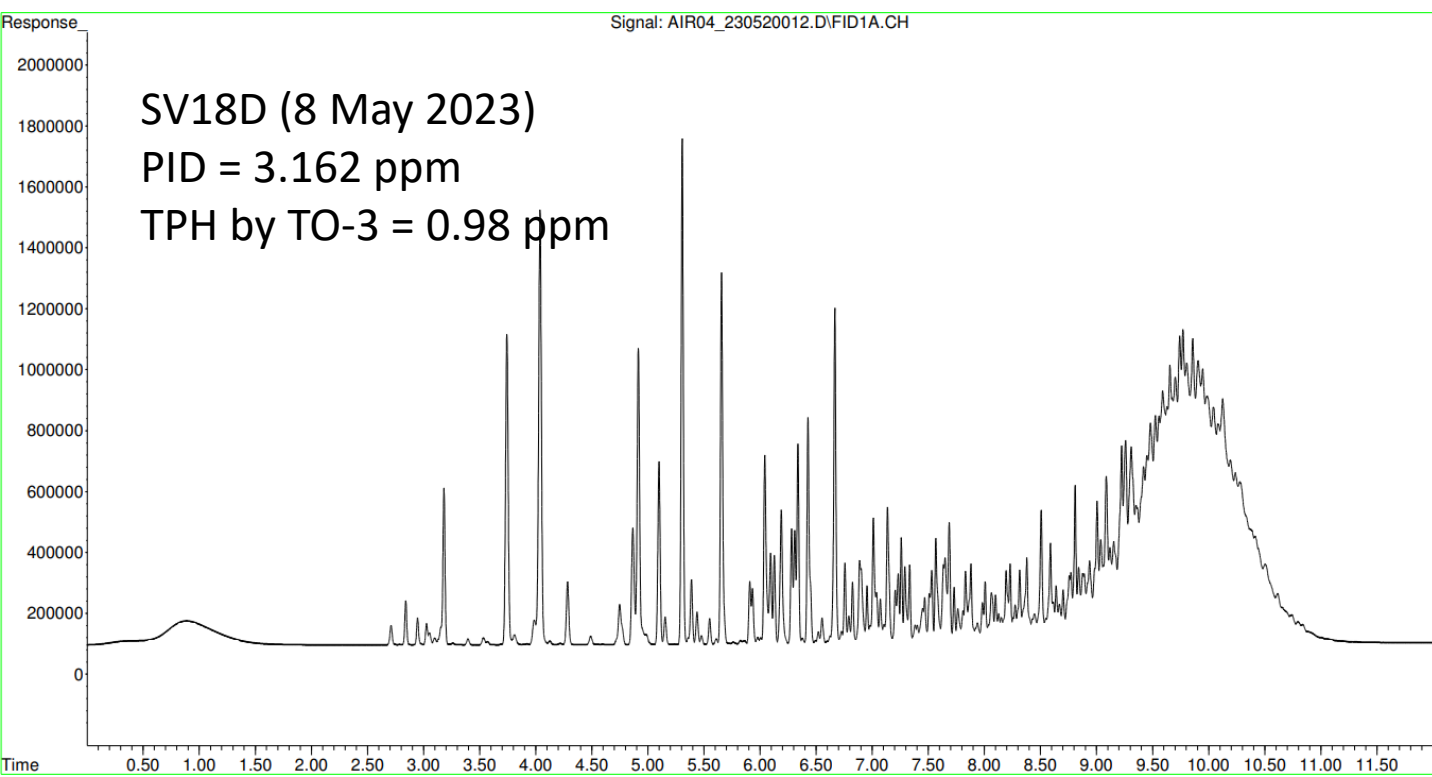


May 2023
Soil Vapor Samples
FID Chromatograms







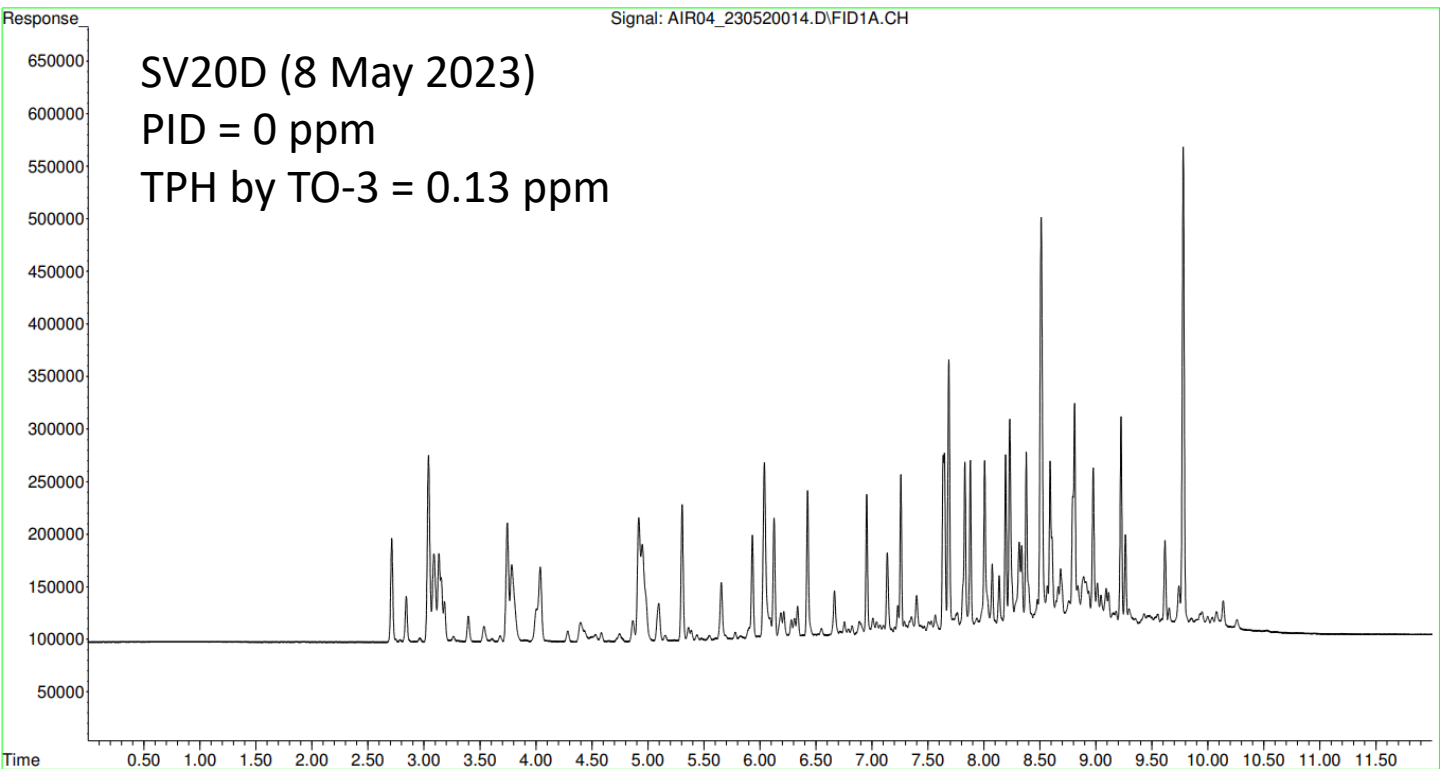


Signal: AIR04_230520014.D\FID1A.CH

SV20D (8 May 2023)

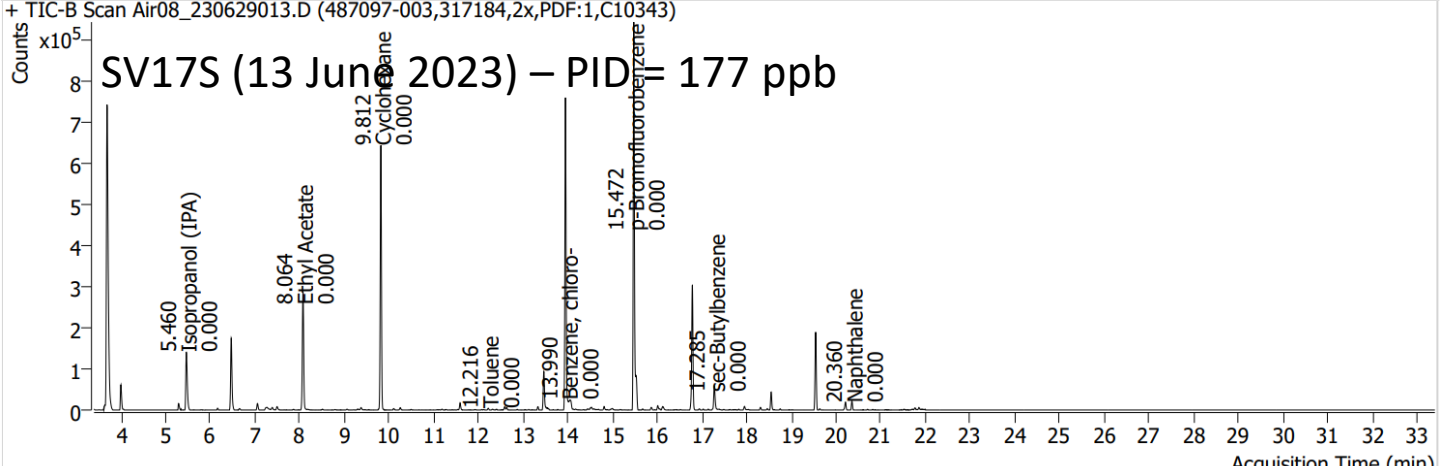
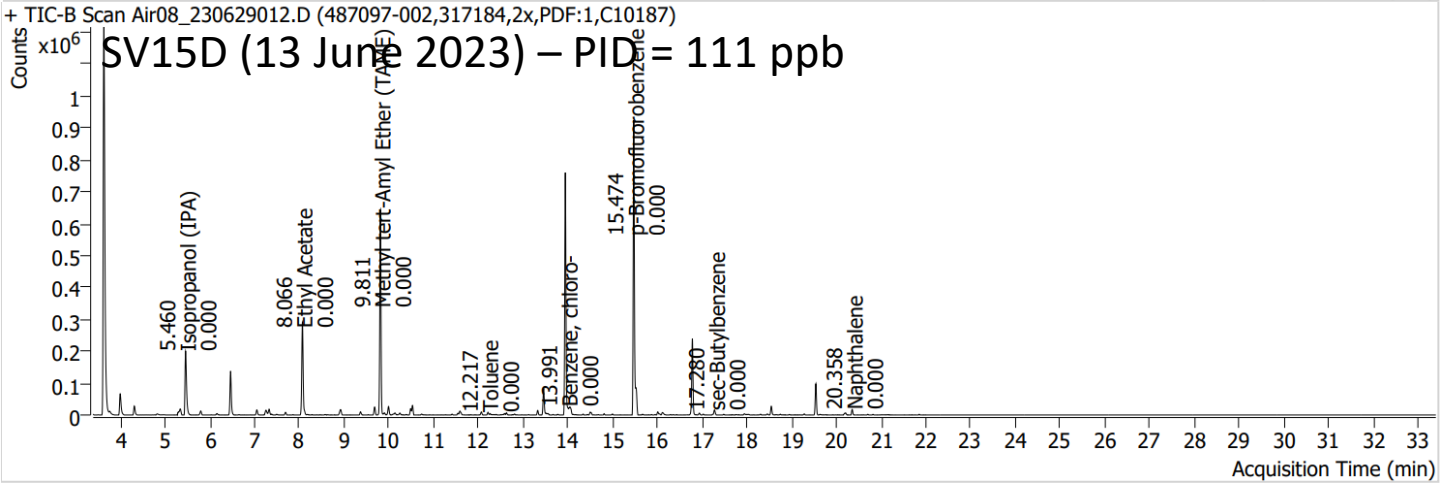
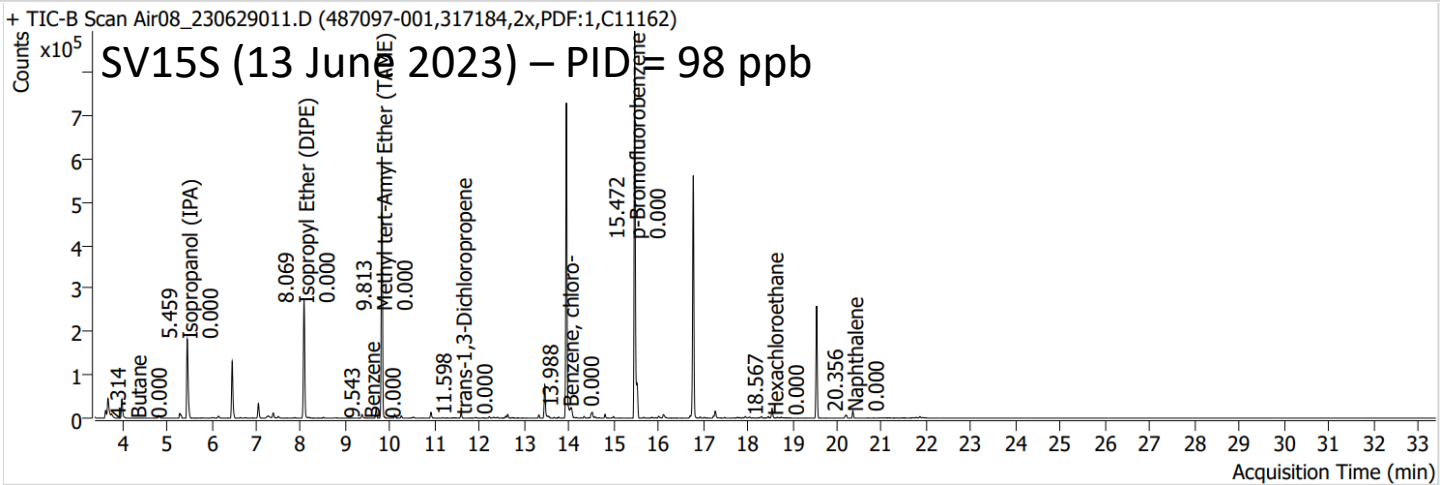
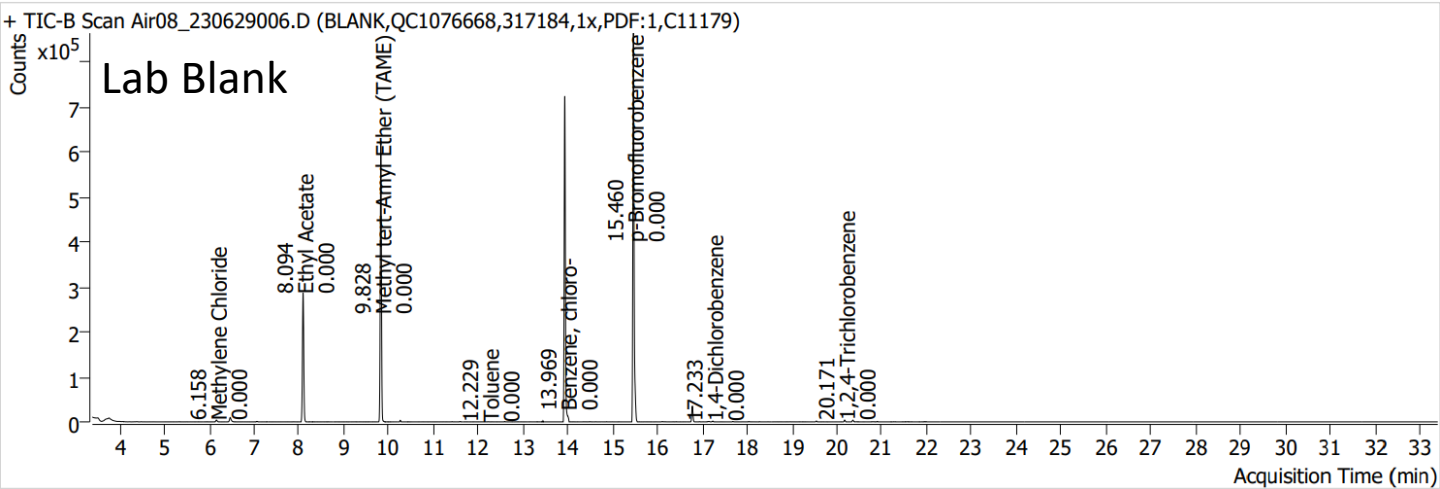
PID = 0 ppm

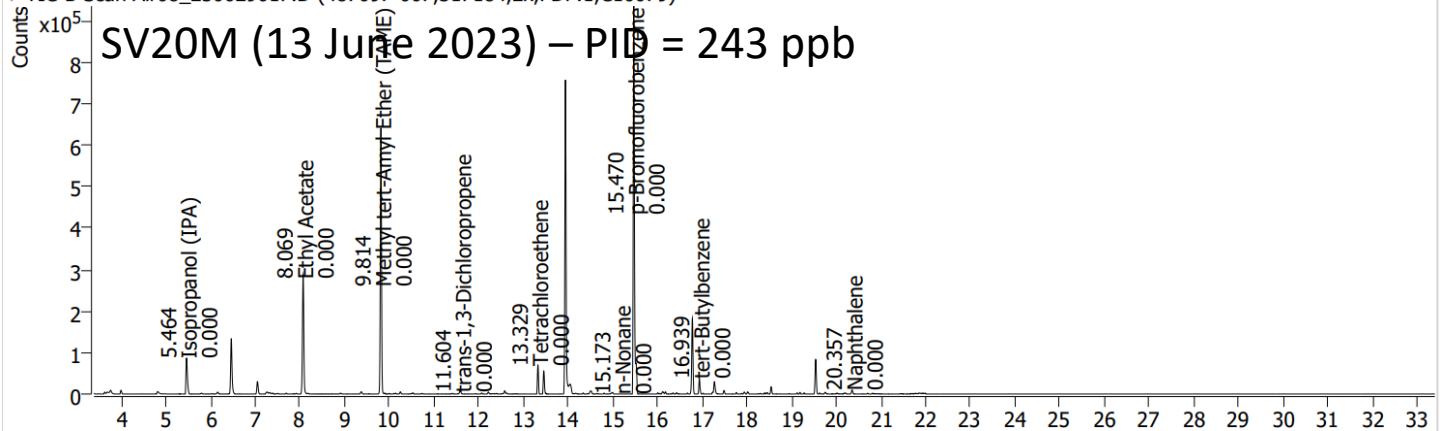
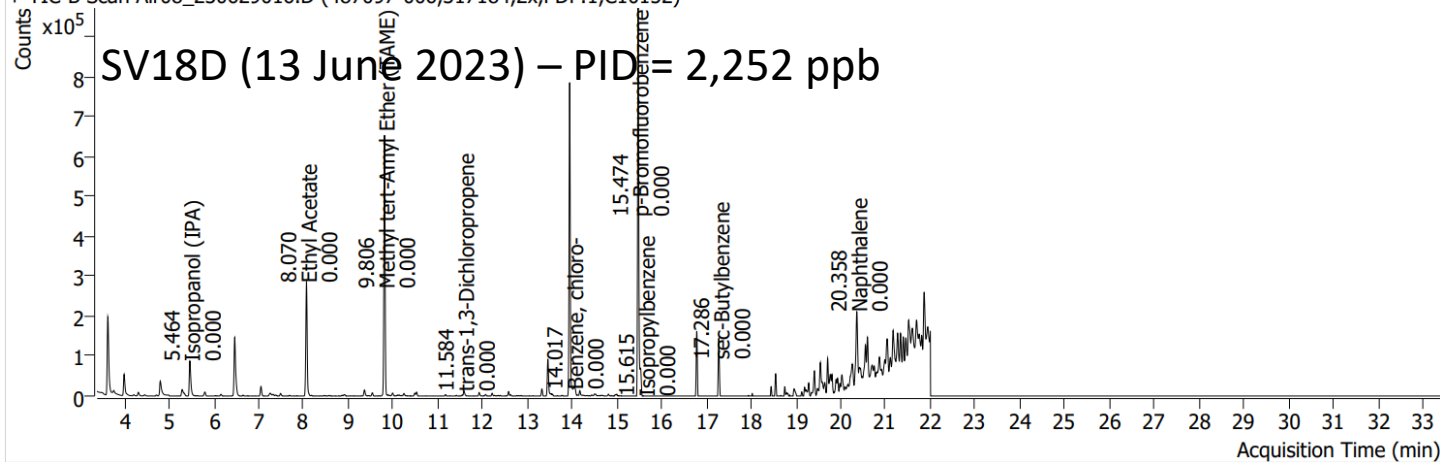
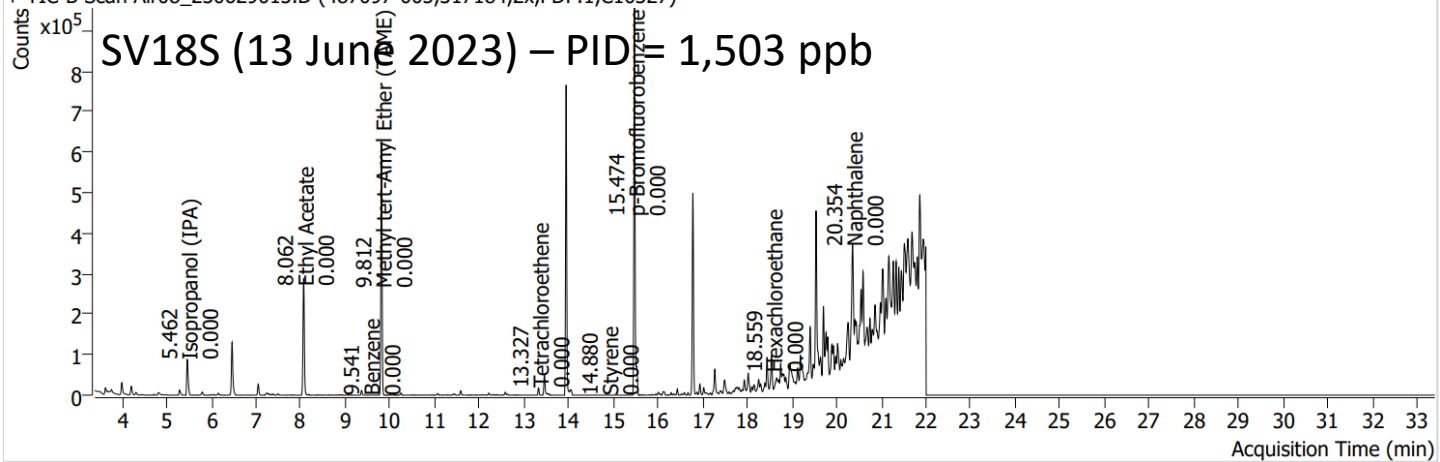
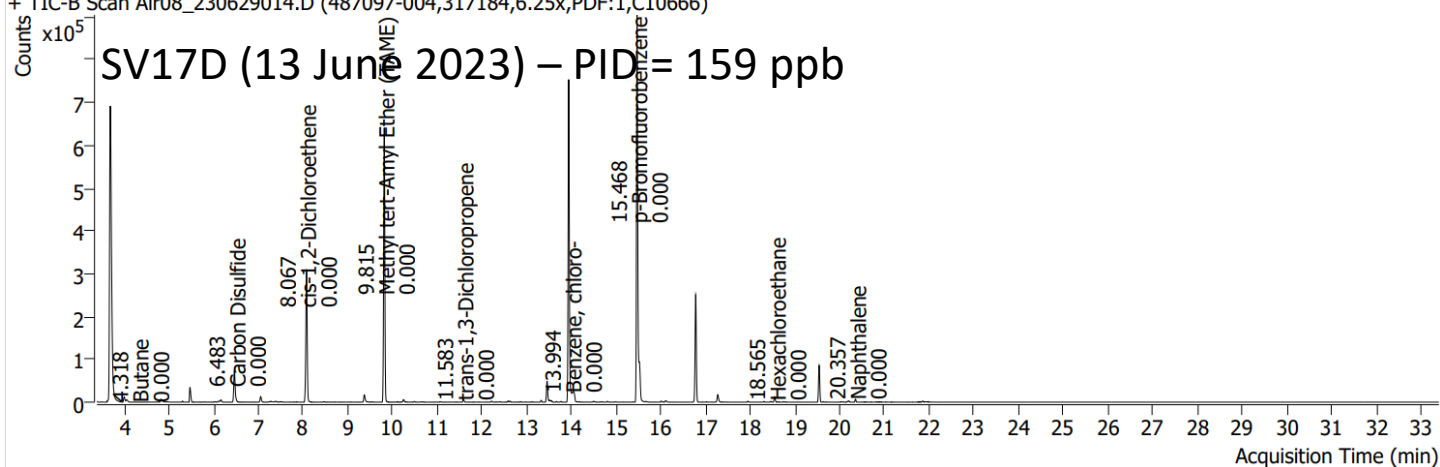
TPH by TO-3 = 0.13 ppm

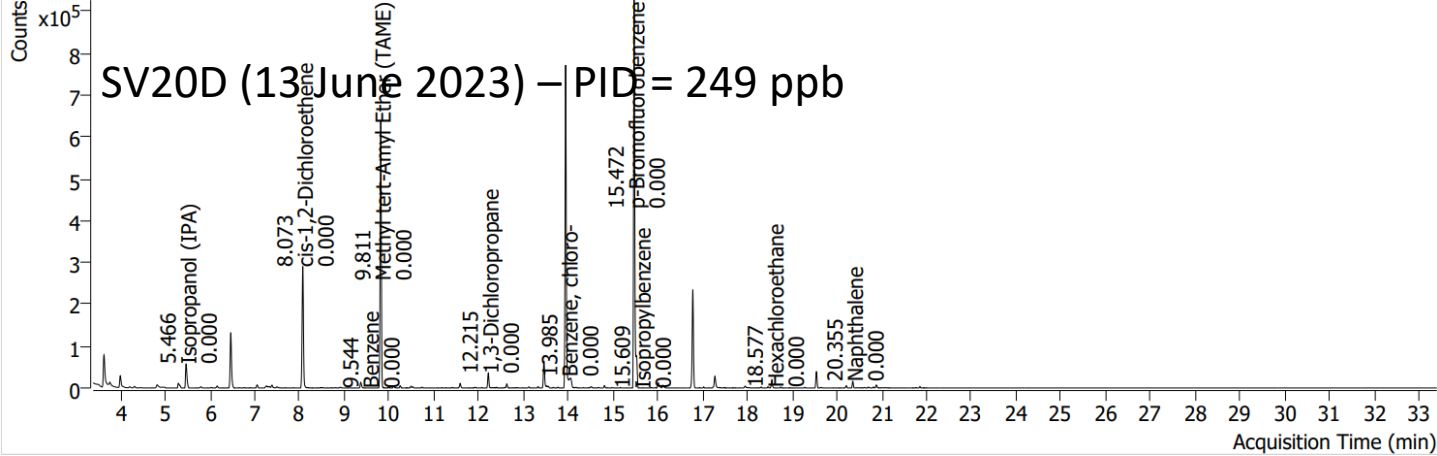


June 2023
Soil Vapor Samples

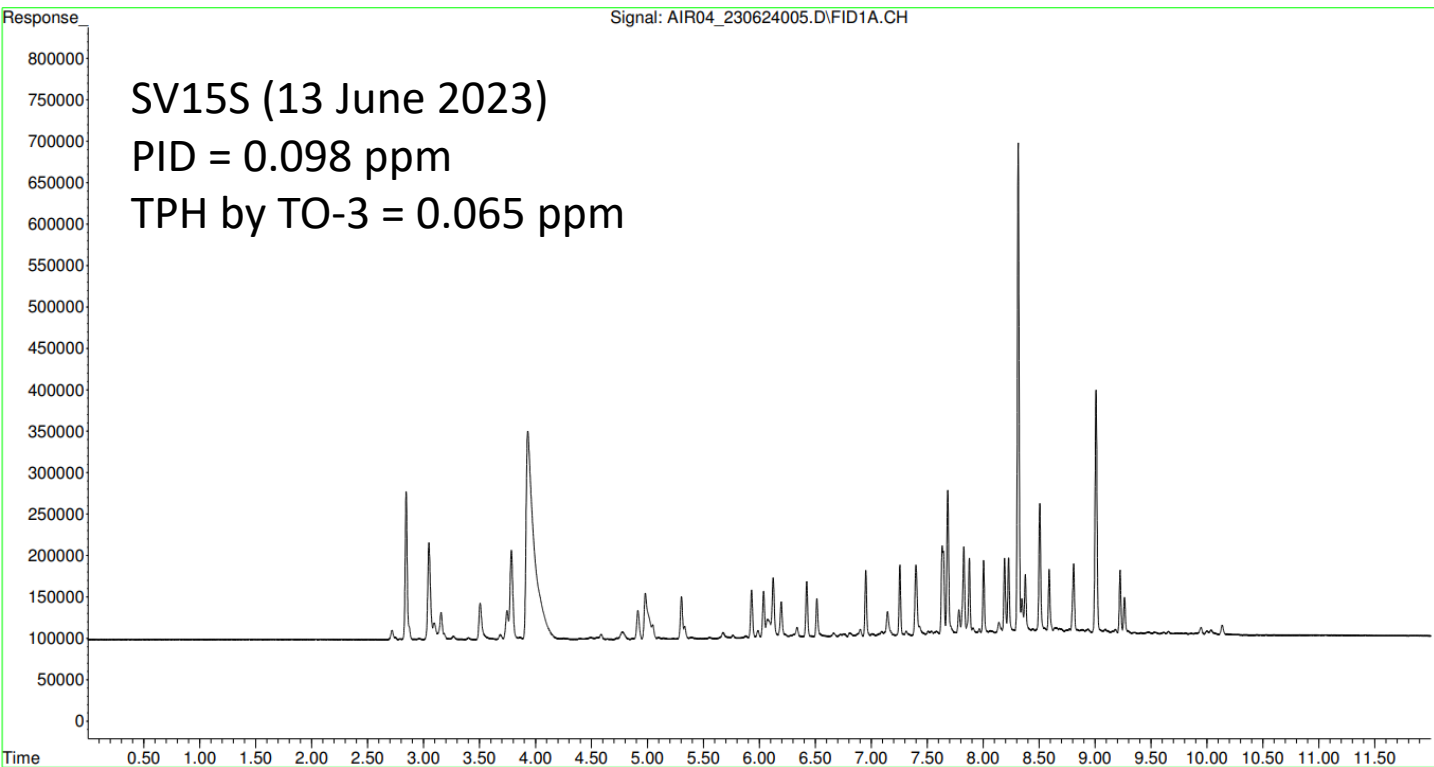
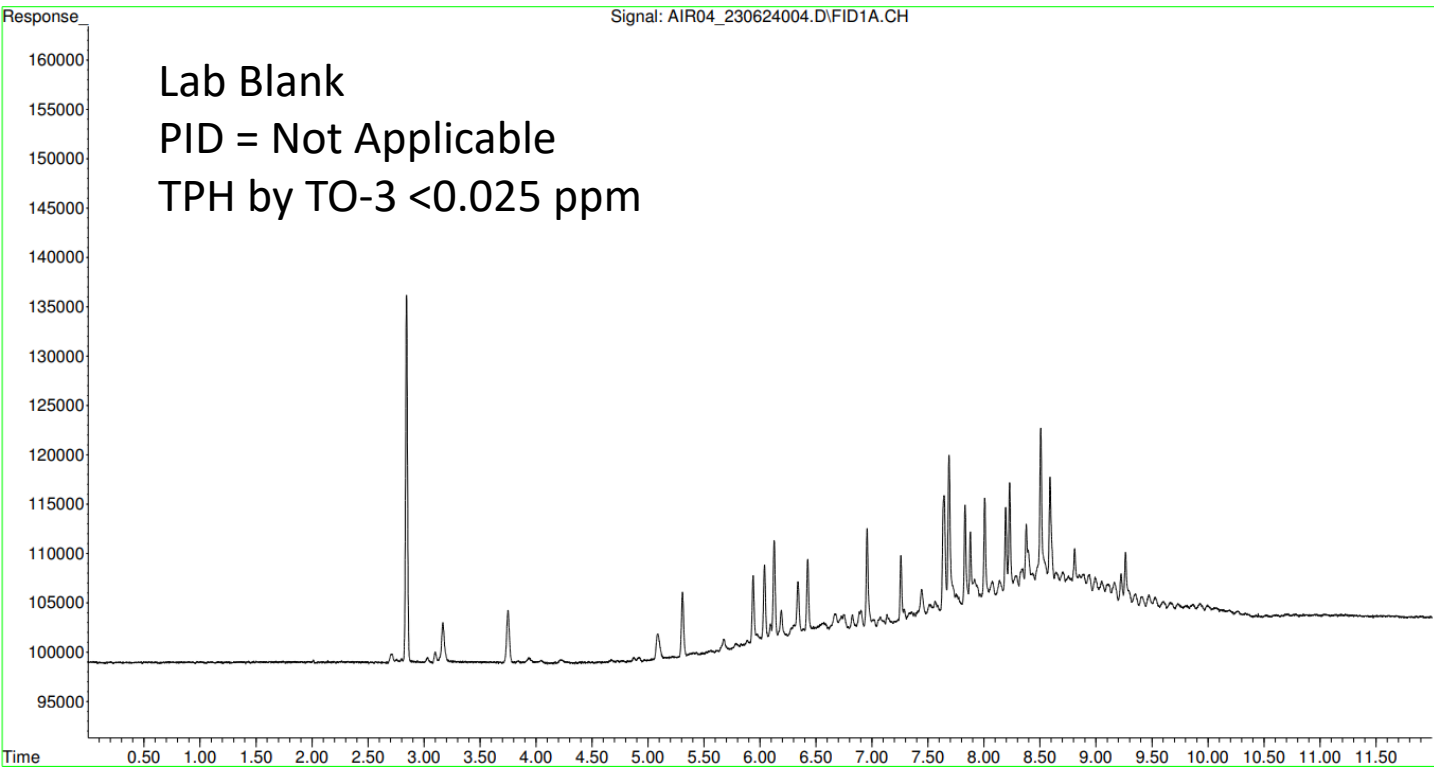
Mass Spec Chromatograms

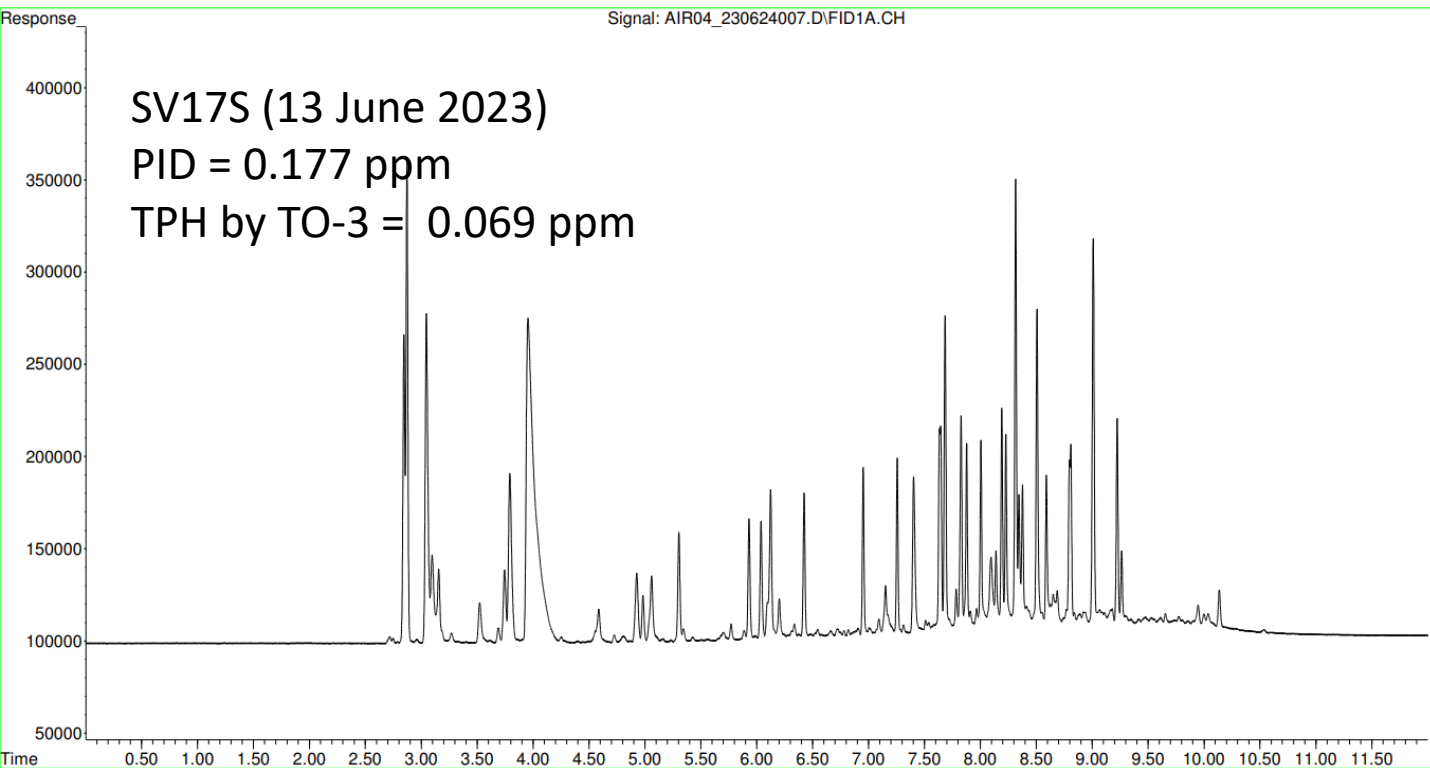
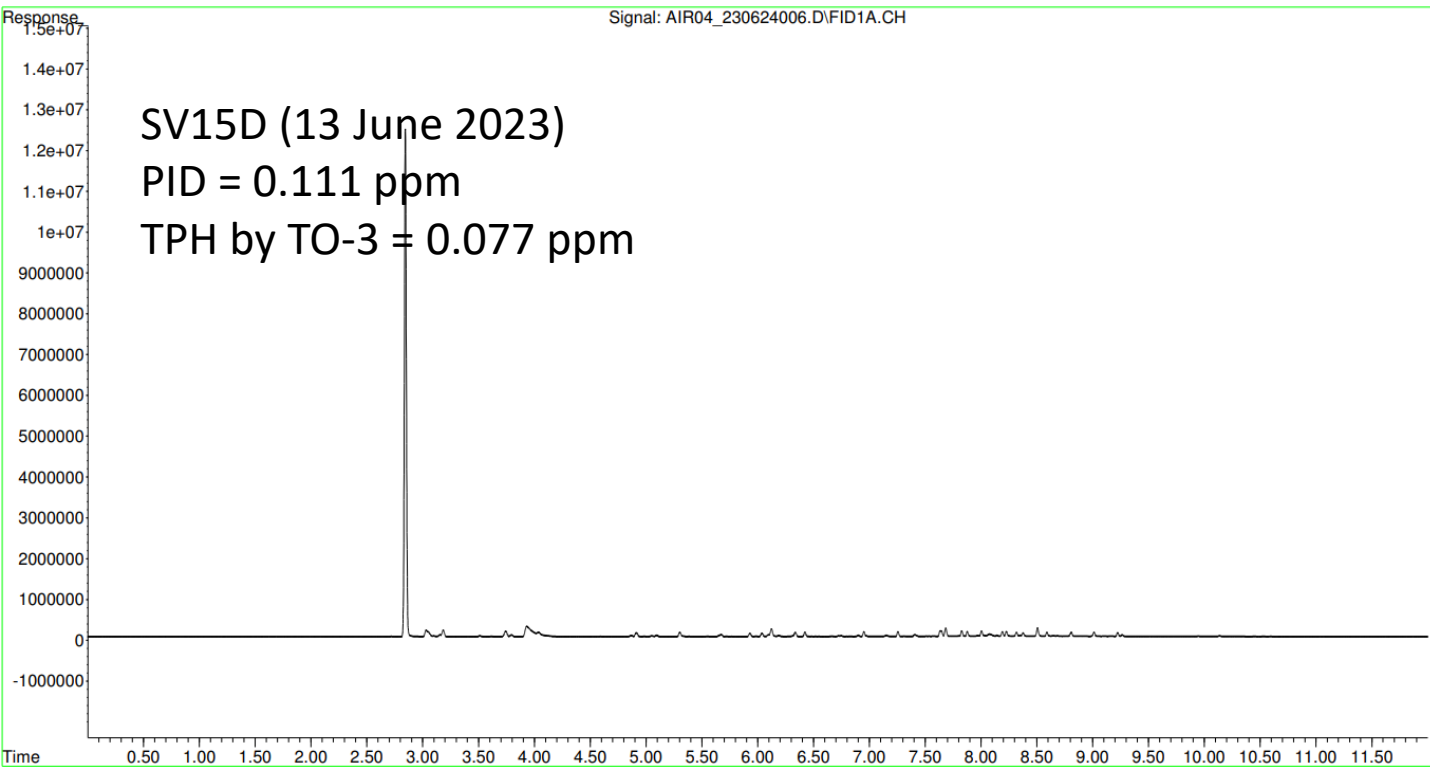


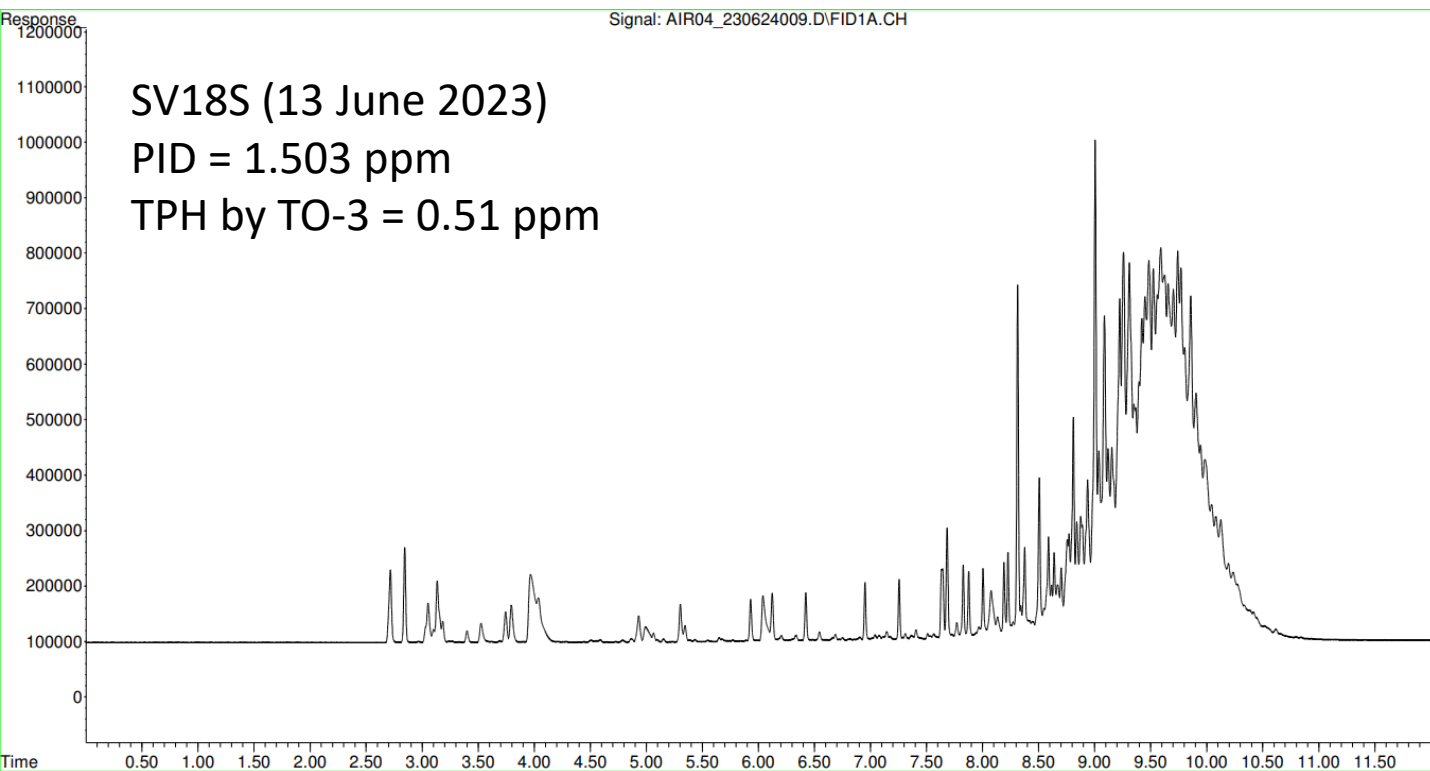
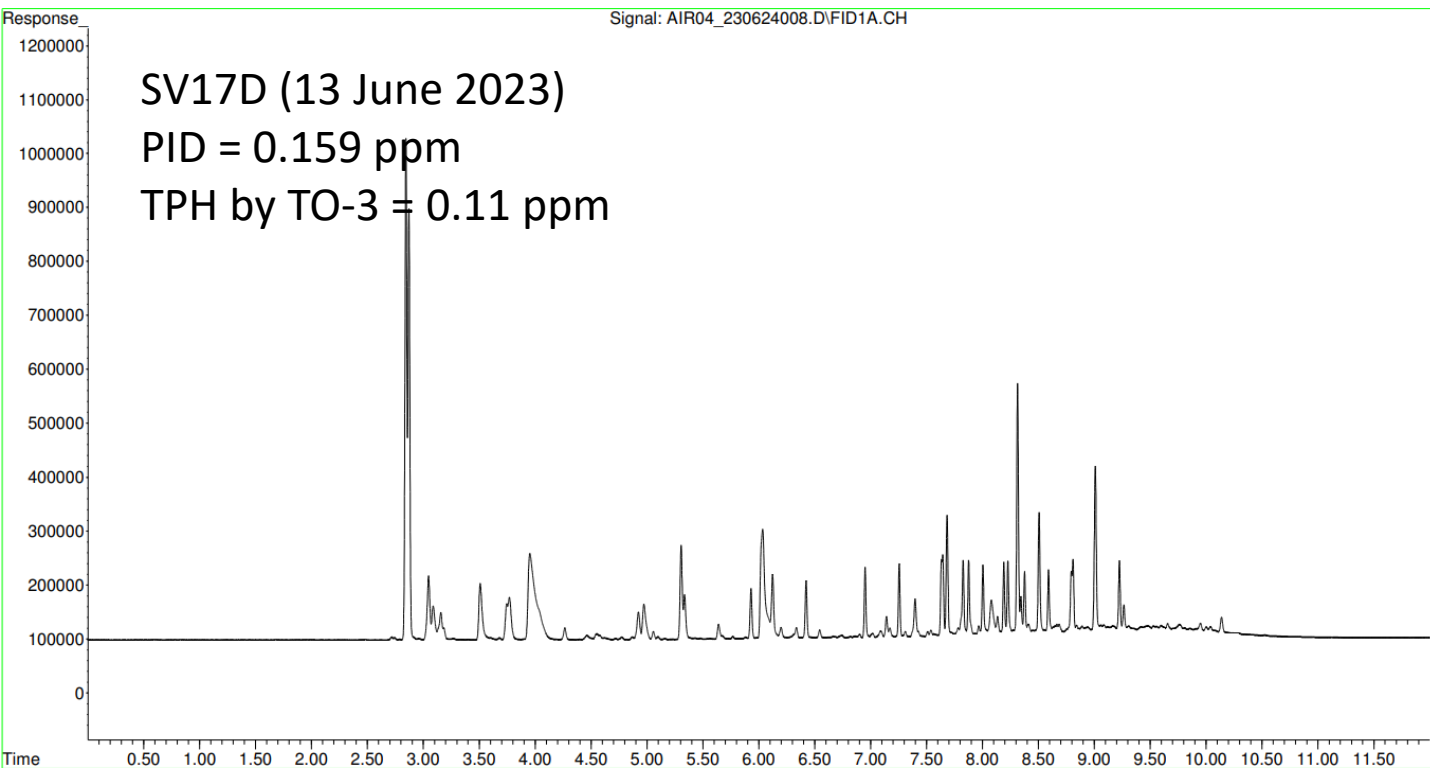


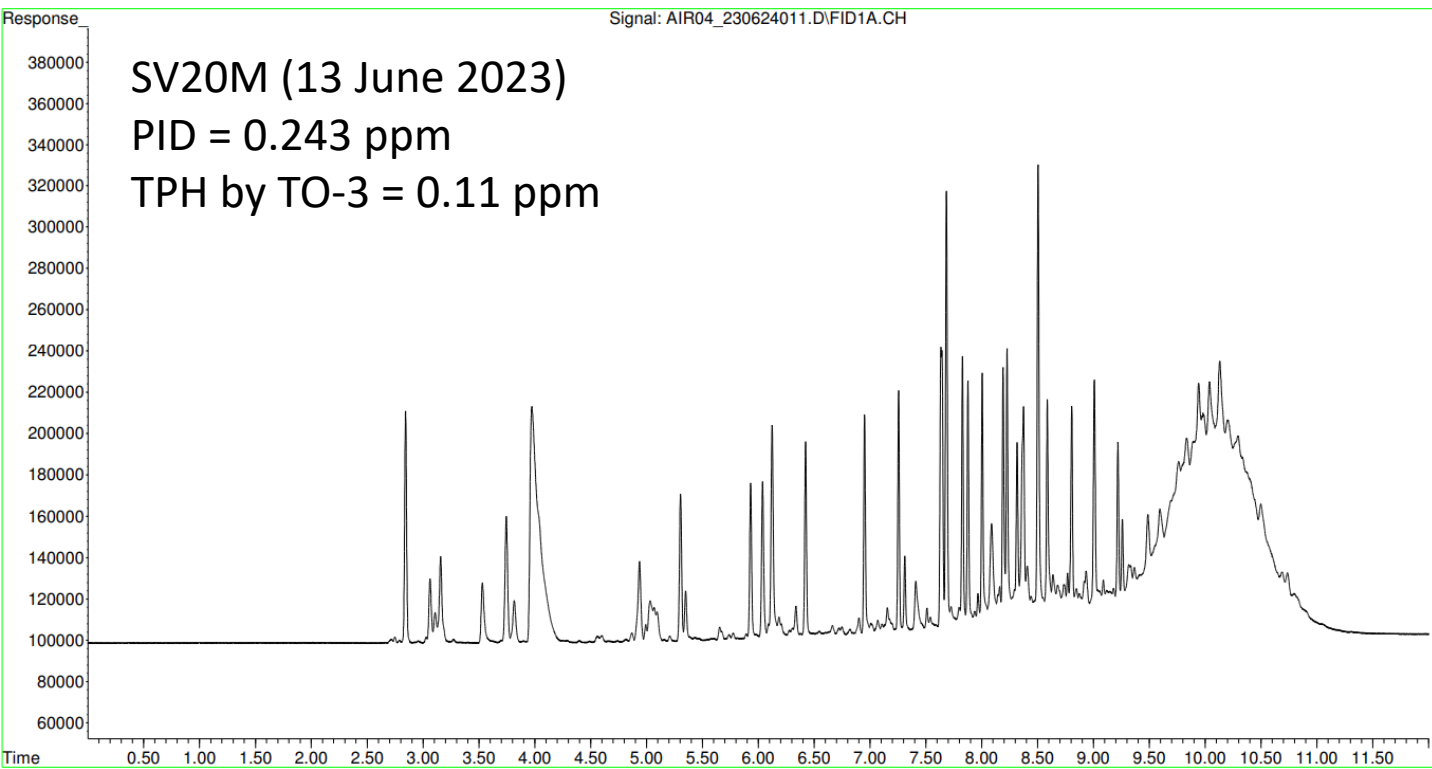
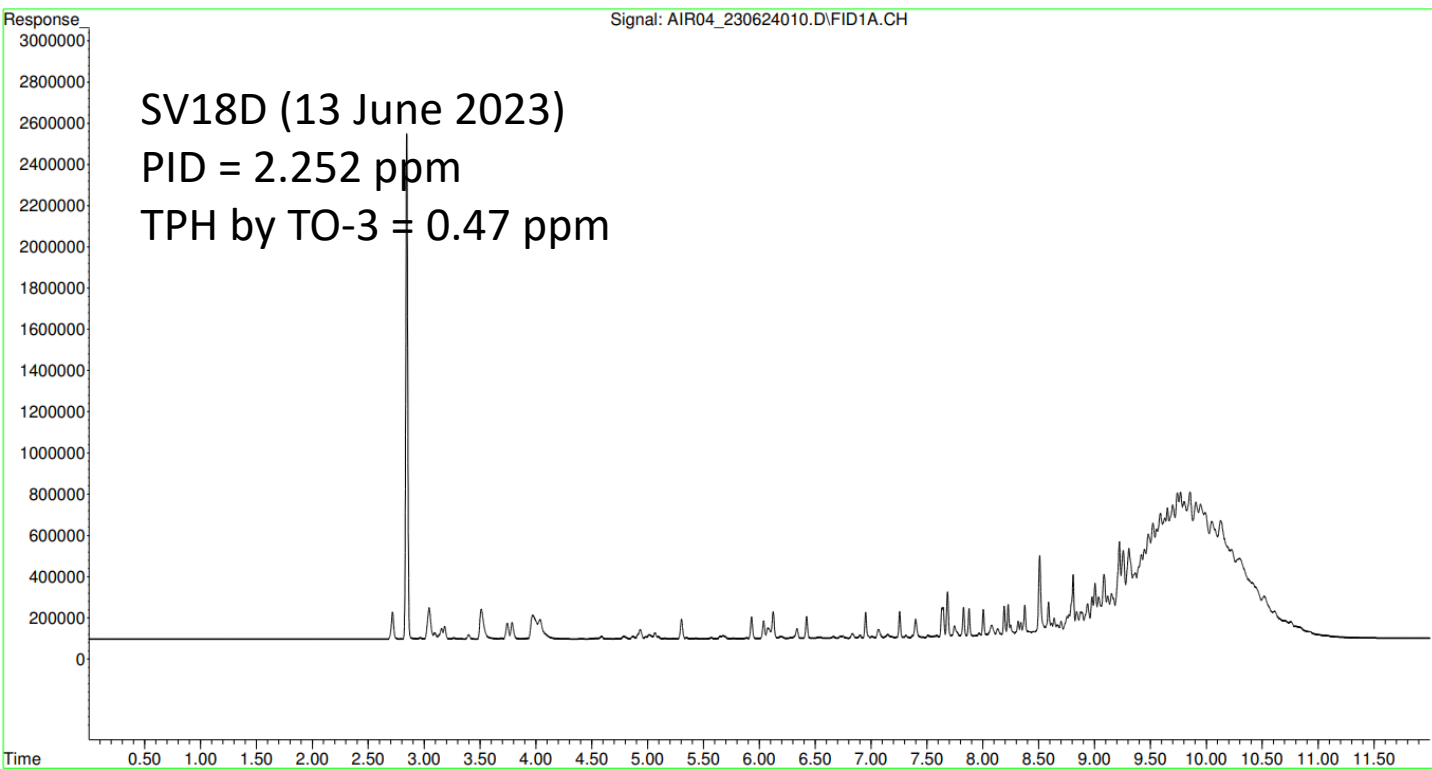


June 2023
Soil Vapor Samples
FID Chromatograms

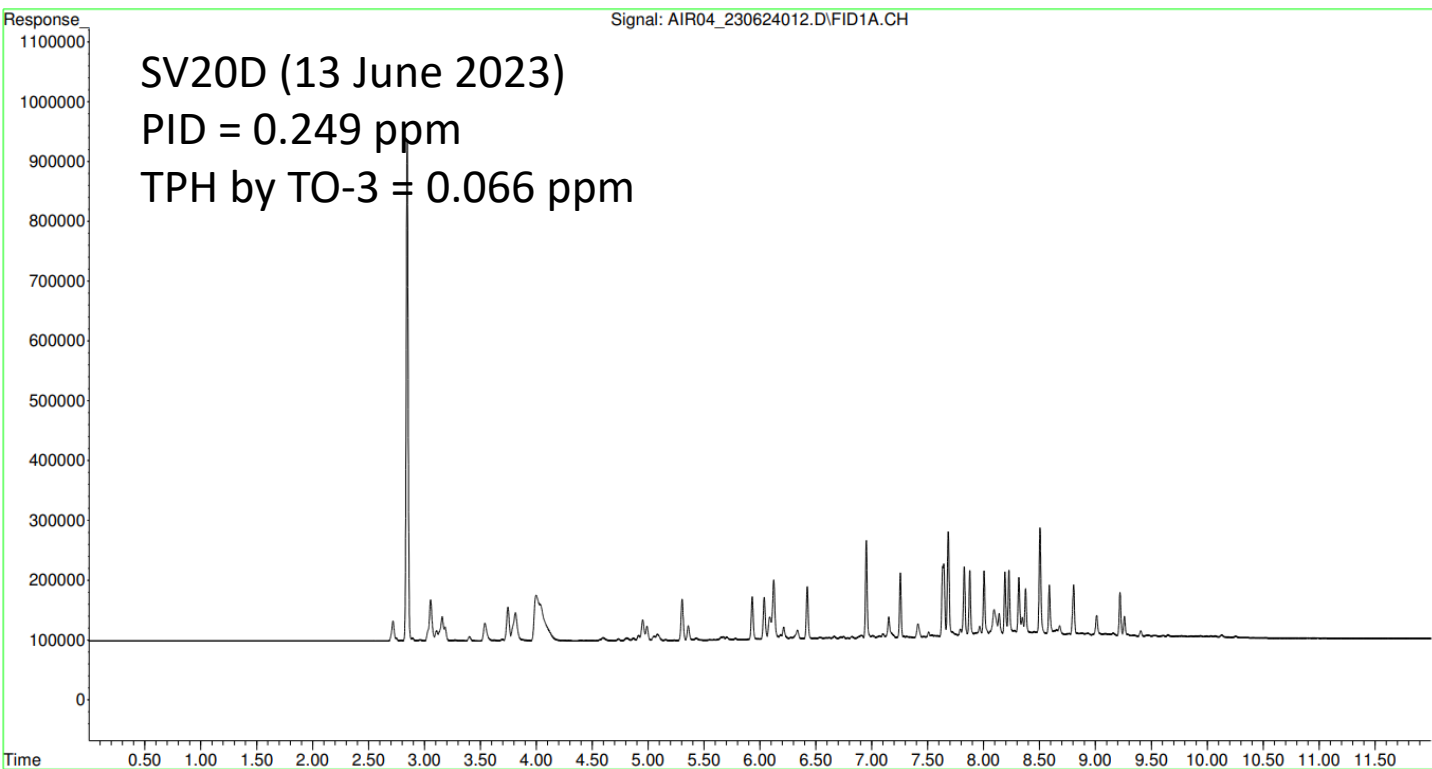






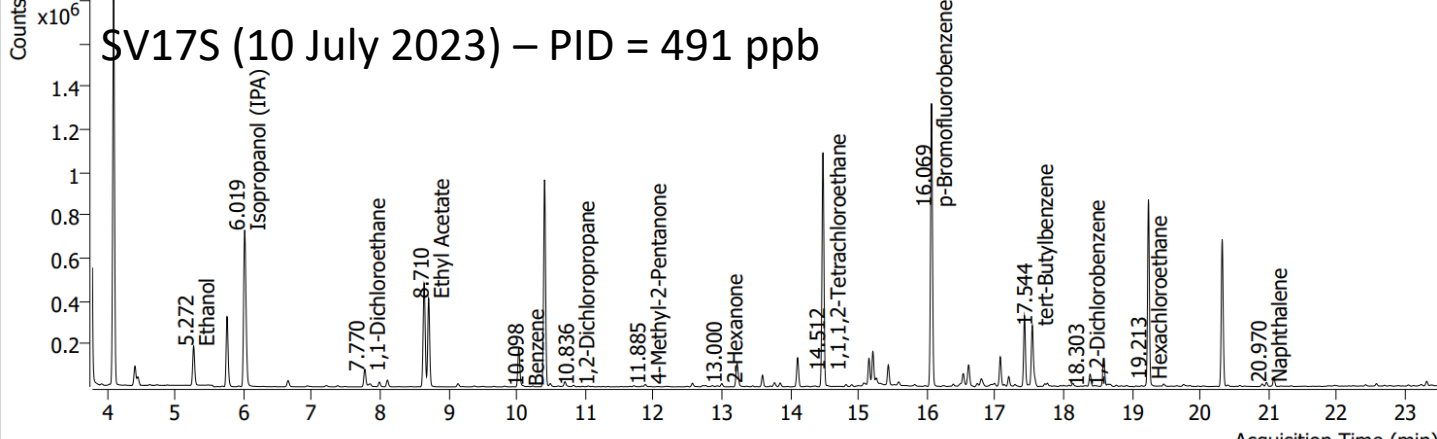
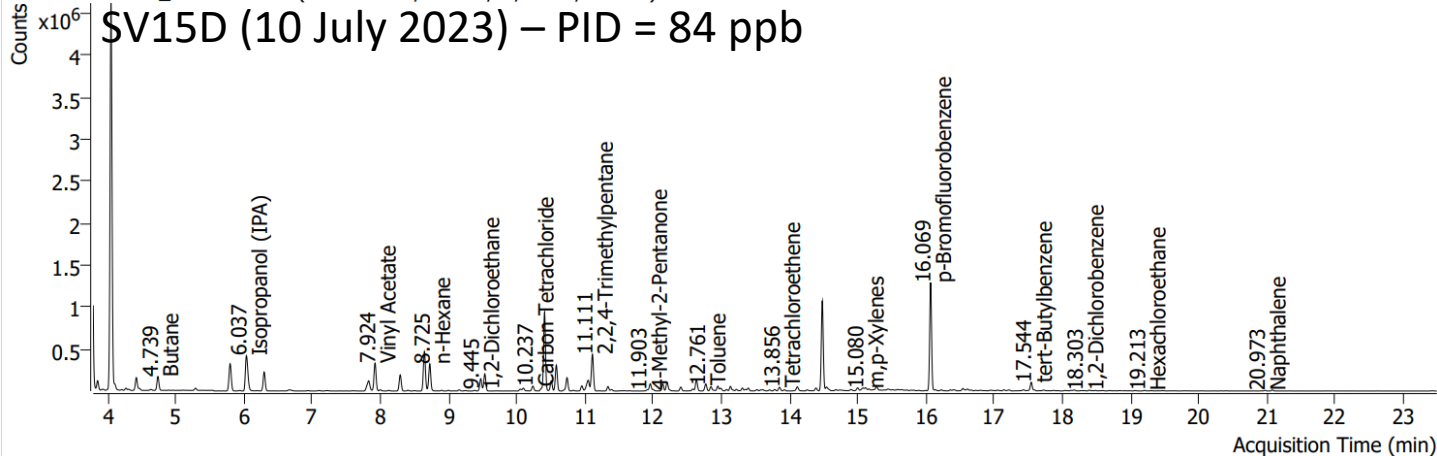
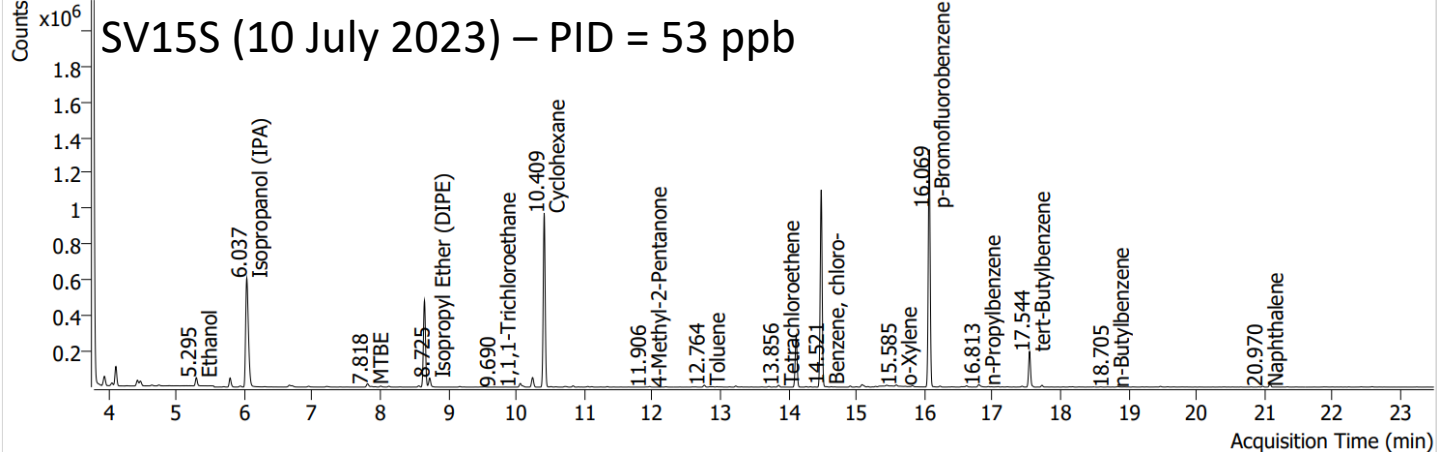
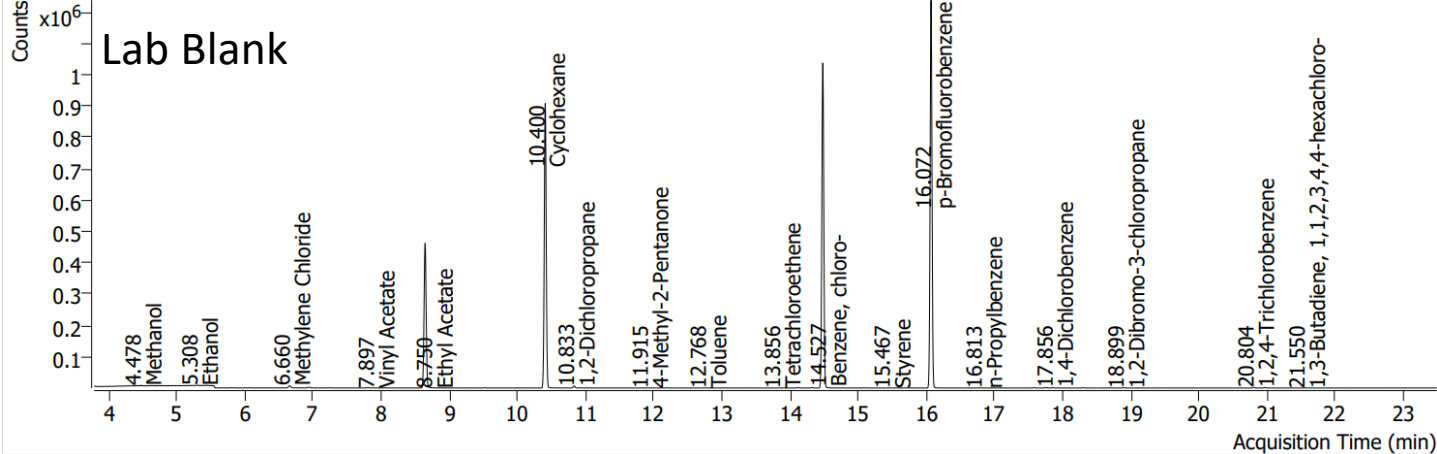


SV20D (13 June 2023)
PID = 0.249 ppm
TPH by TO-3 = 0.066 ppm

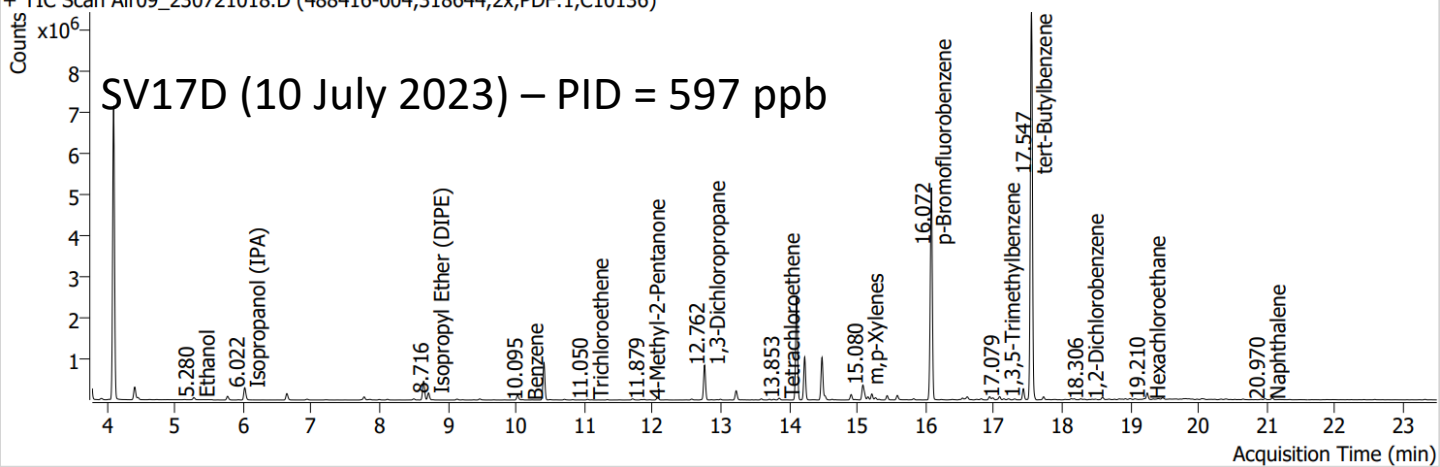


July 2023
Soil Vapor Samples

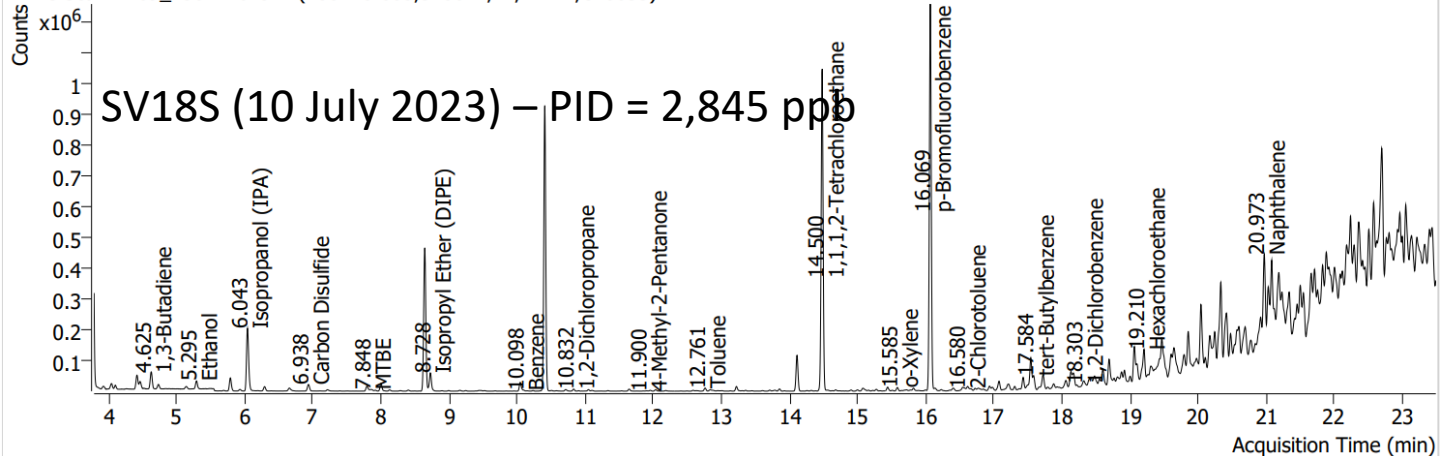
Mass Spec Chromatograms



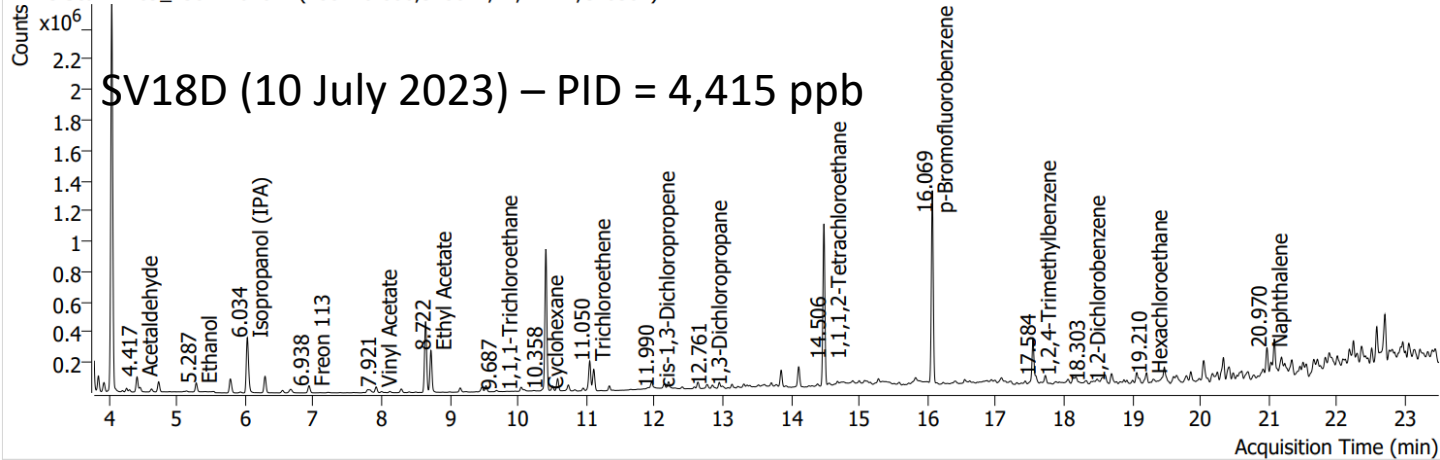
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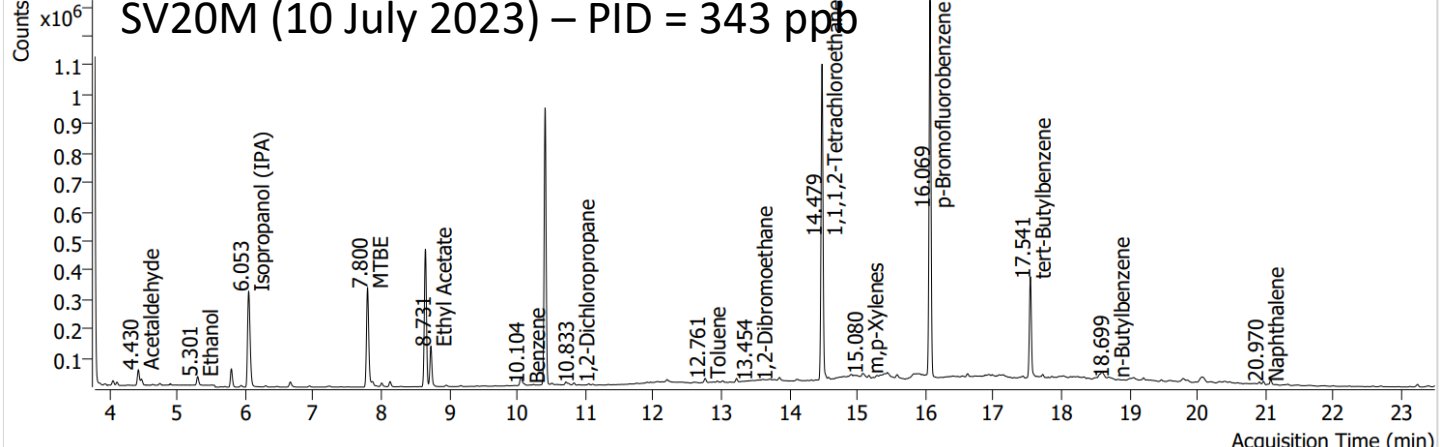
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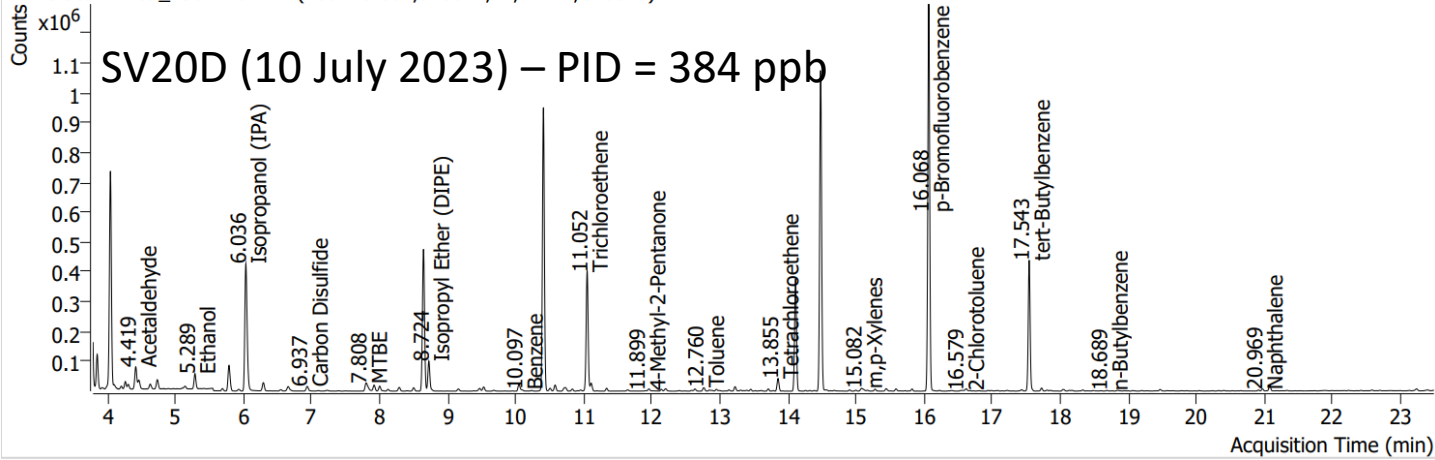
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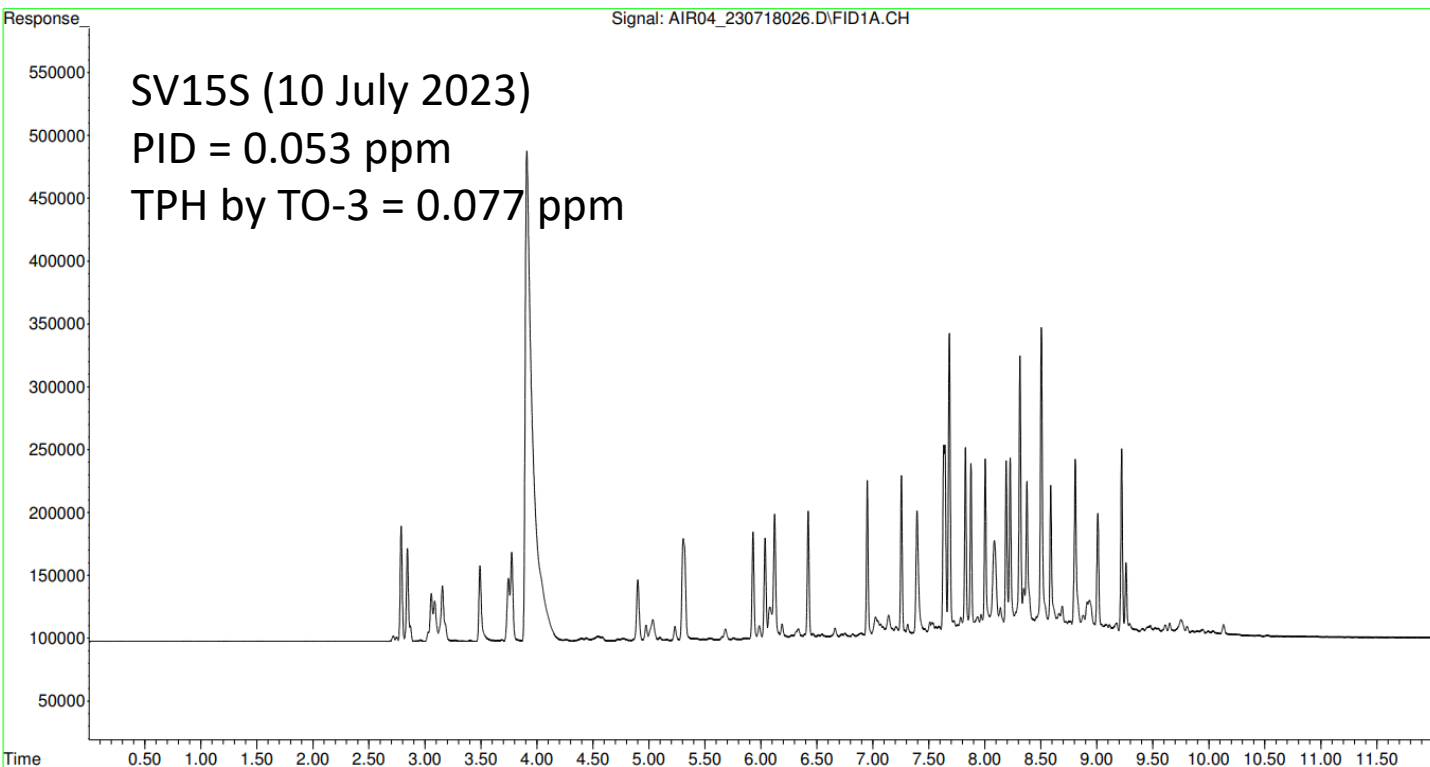
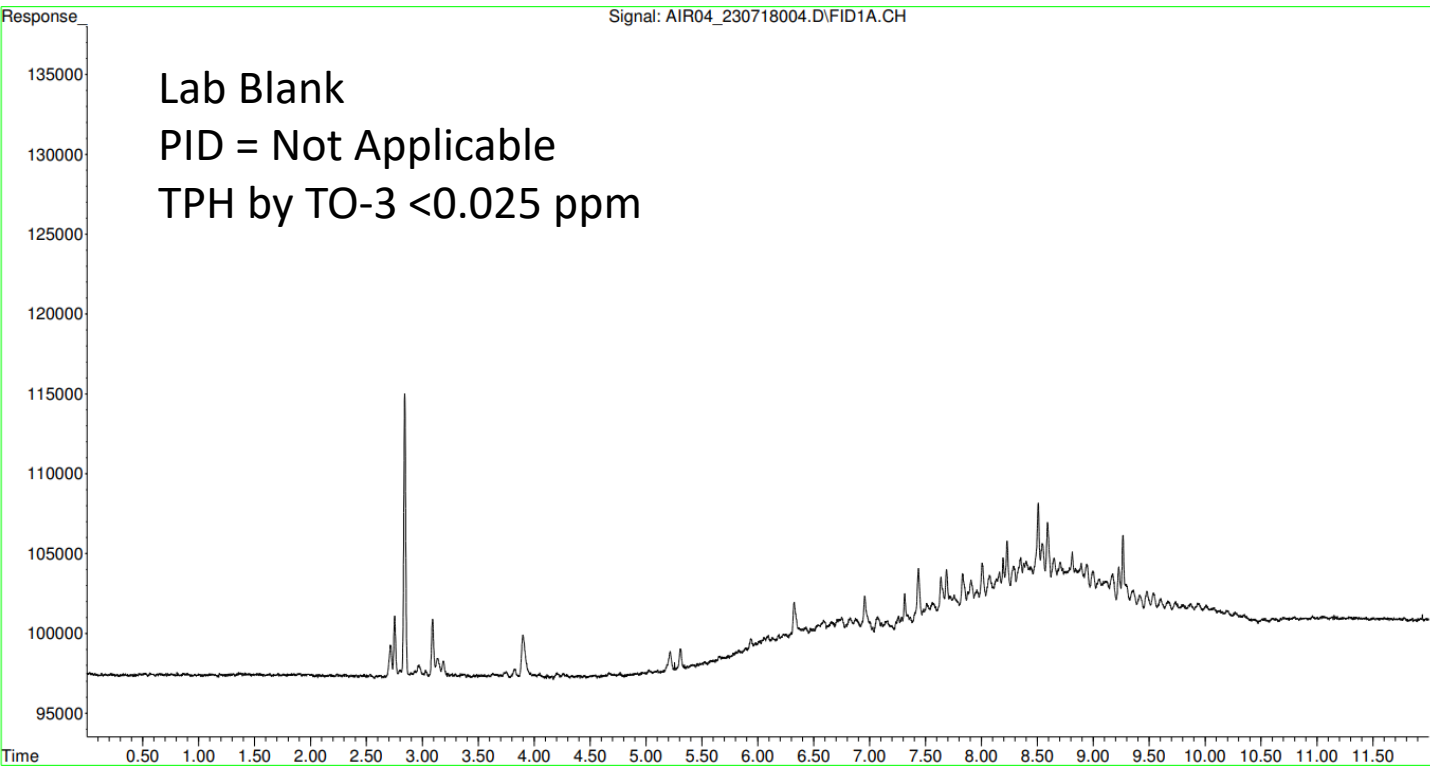
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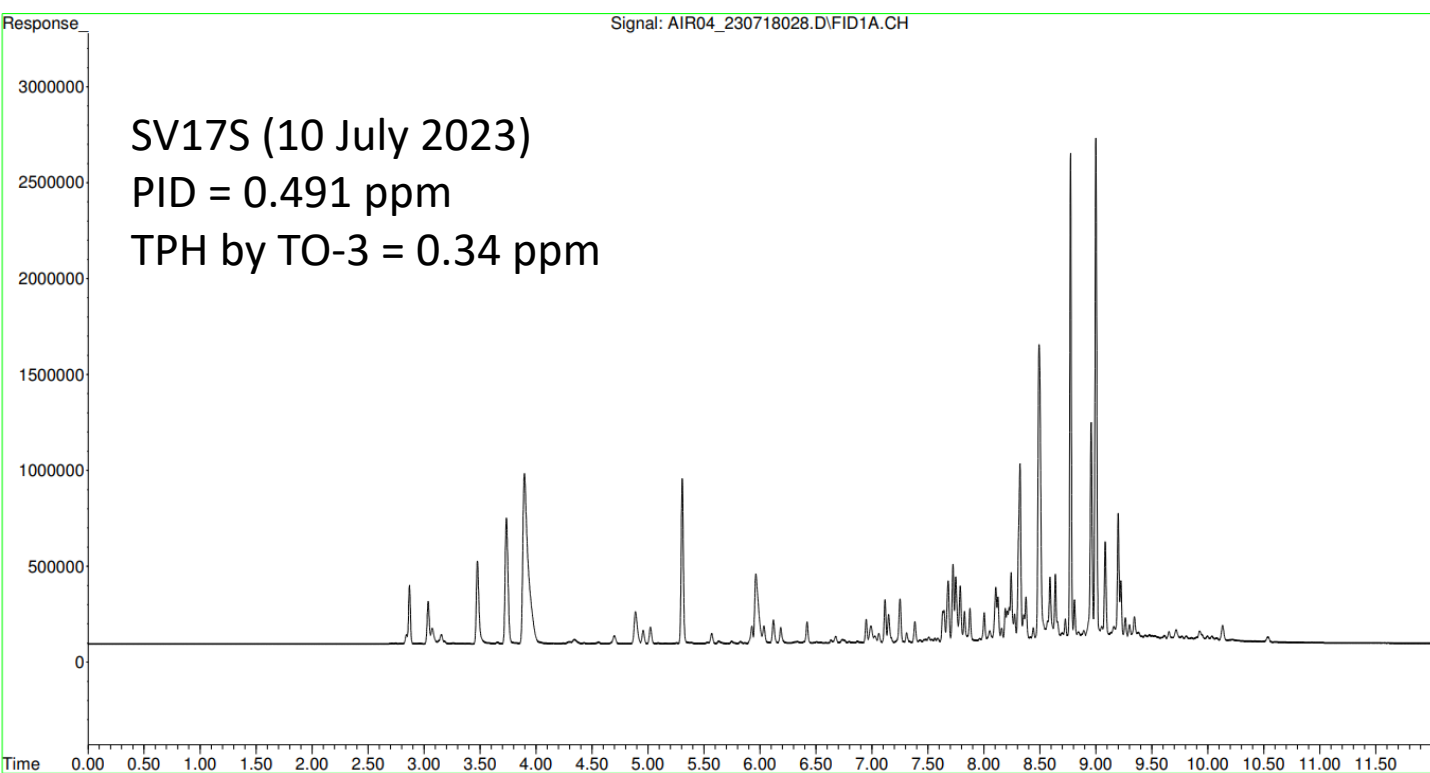
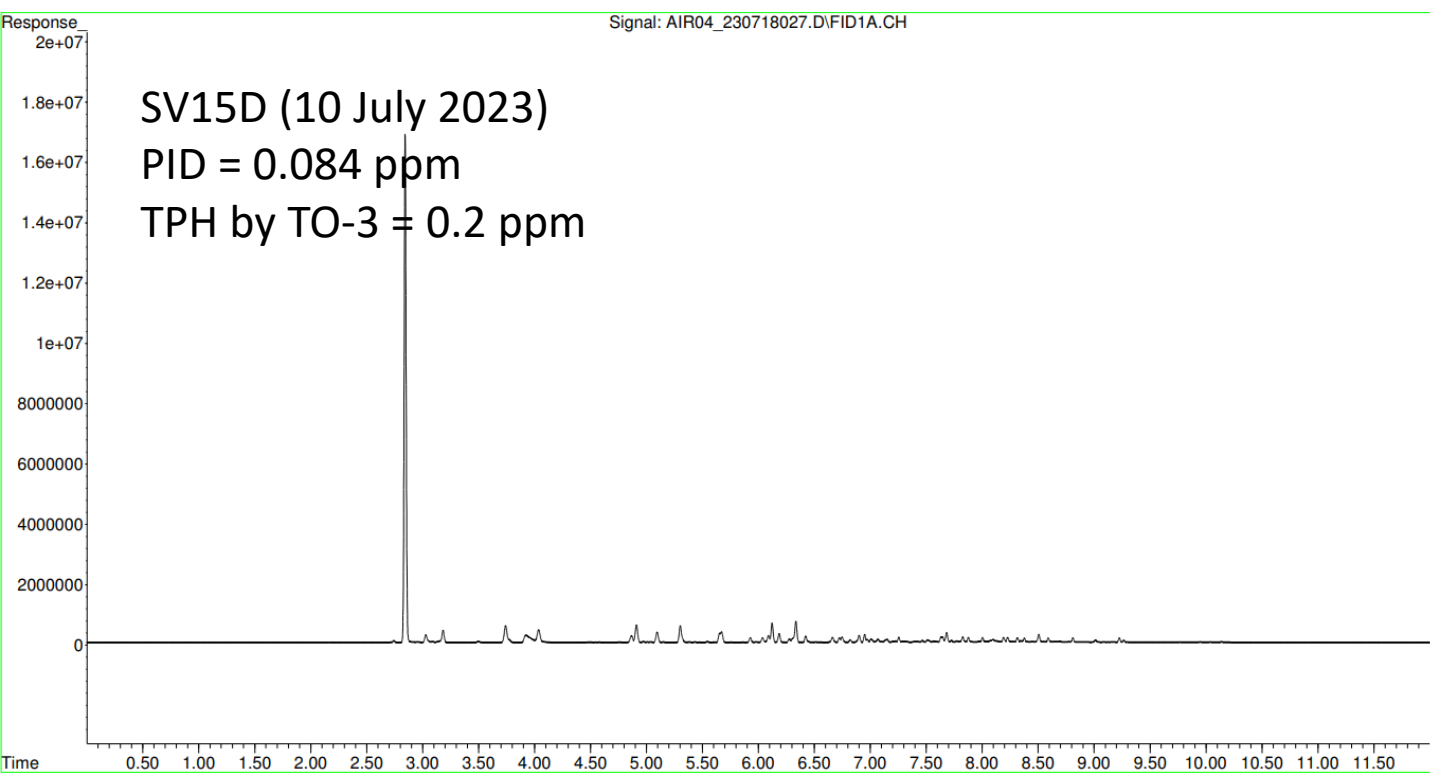


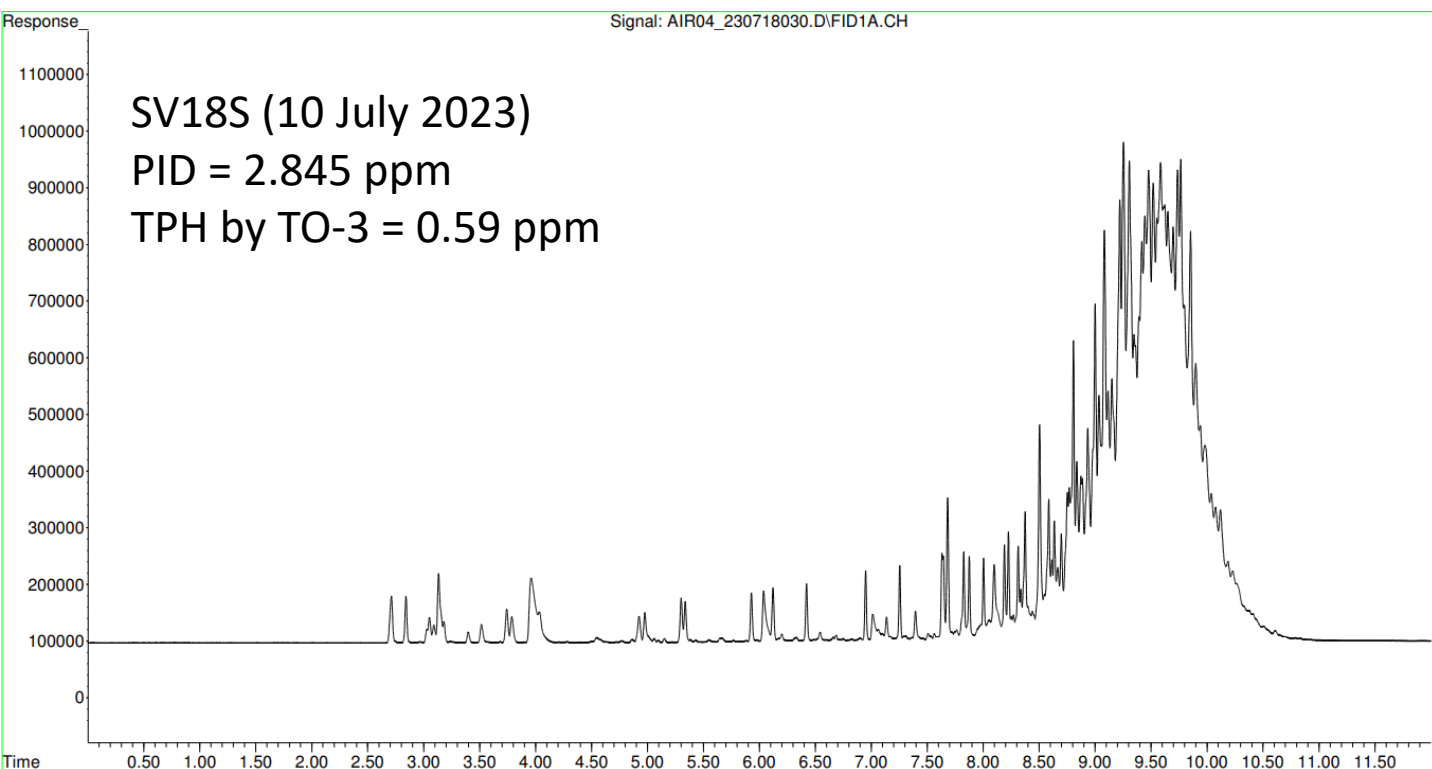
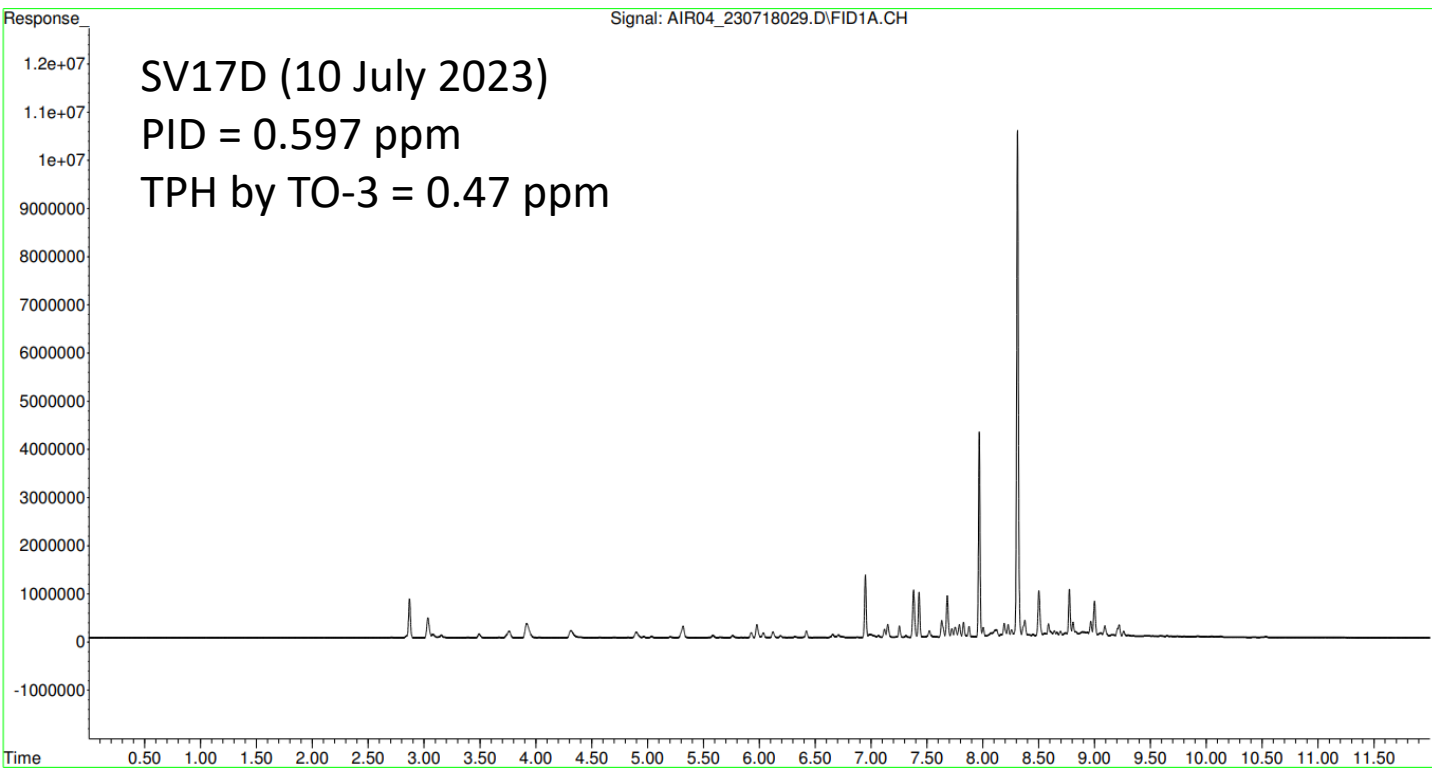
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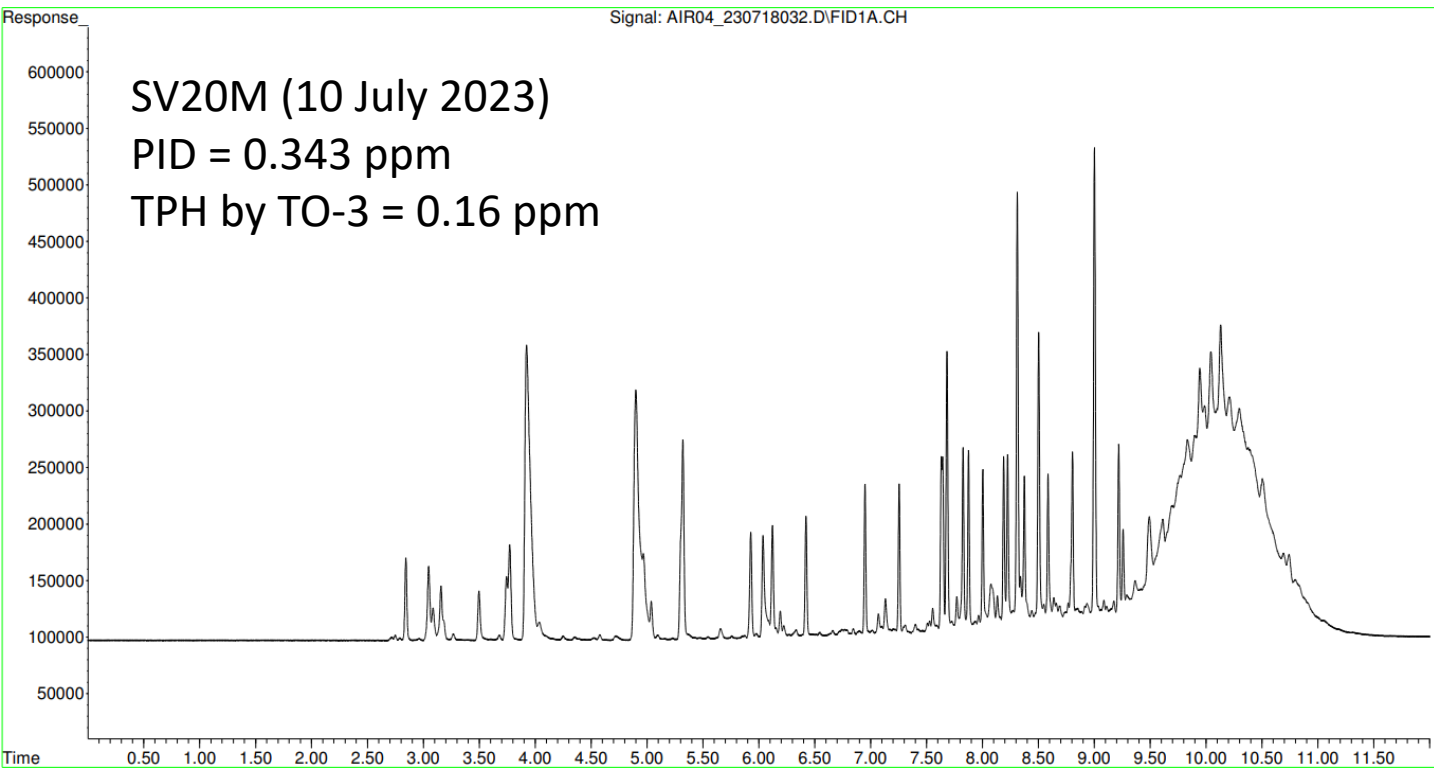
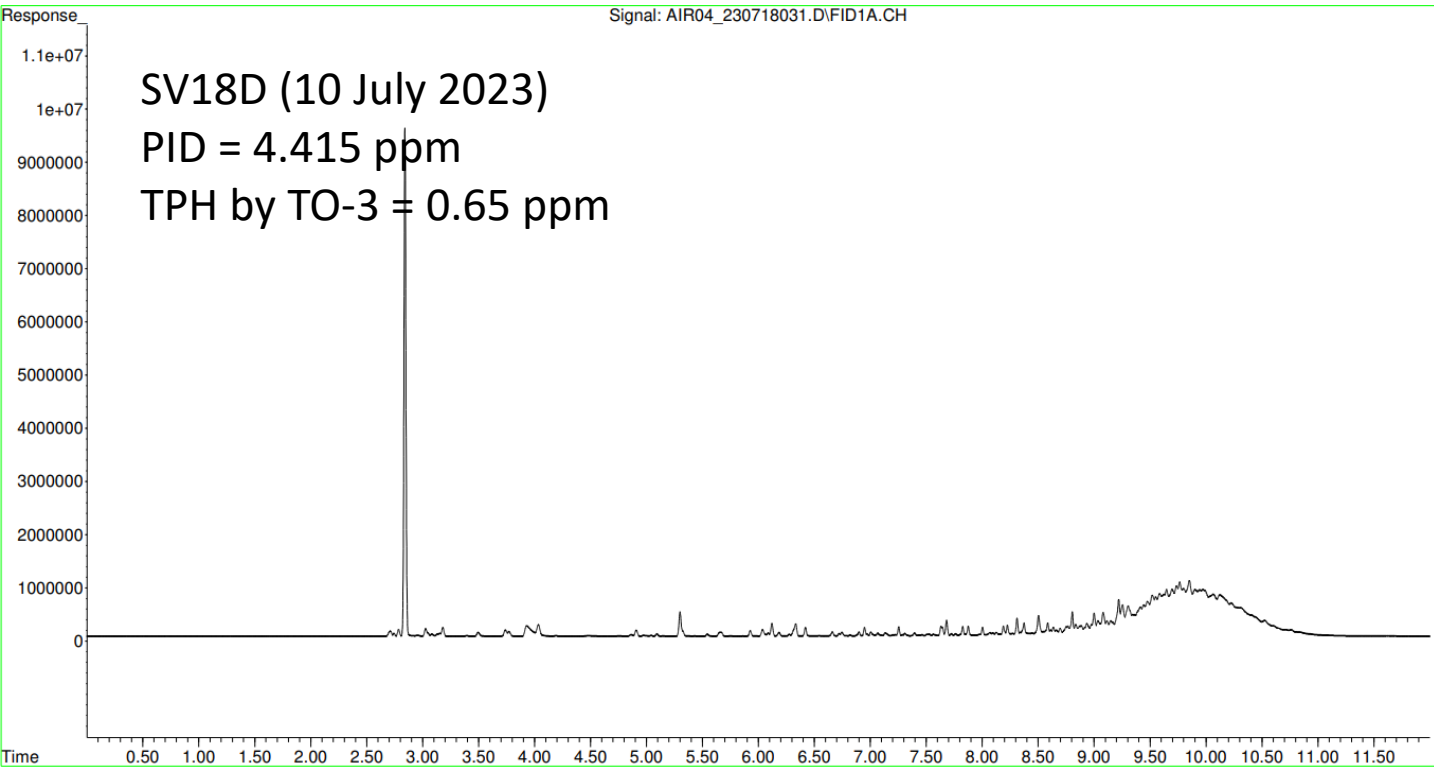


July 2023
Soil Vapor Samples
FID Chromatograms





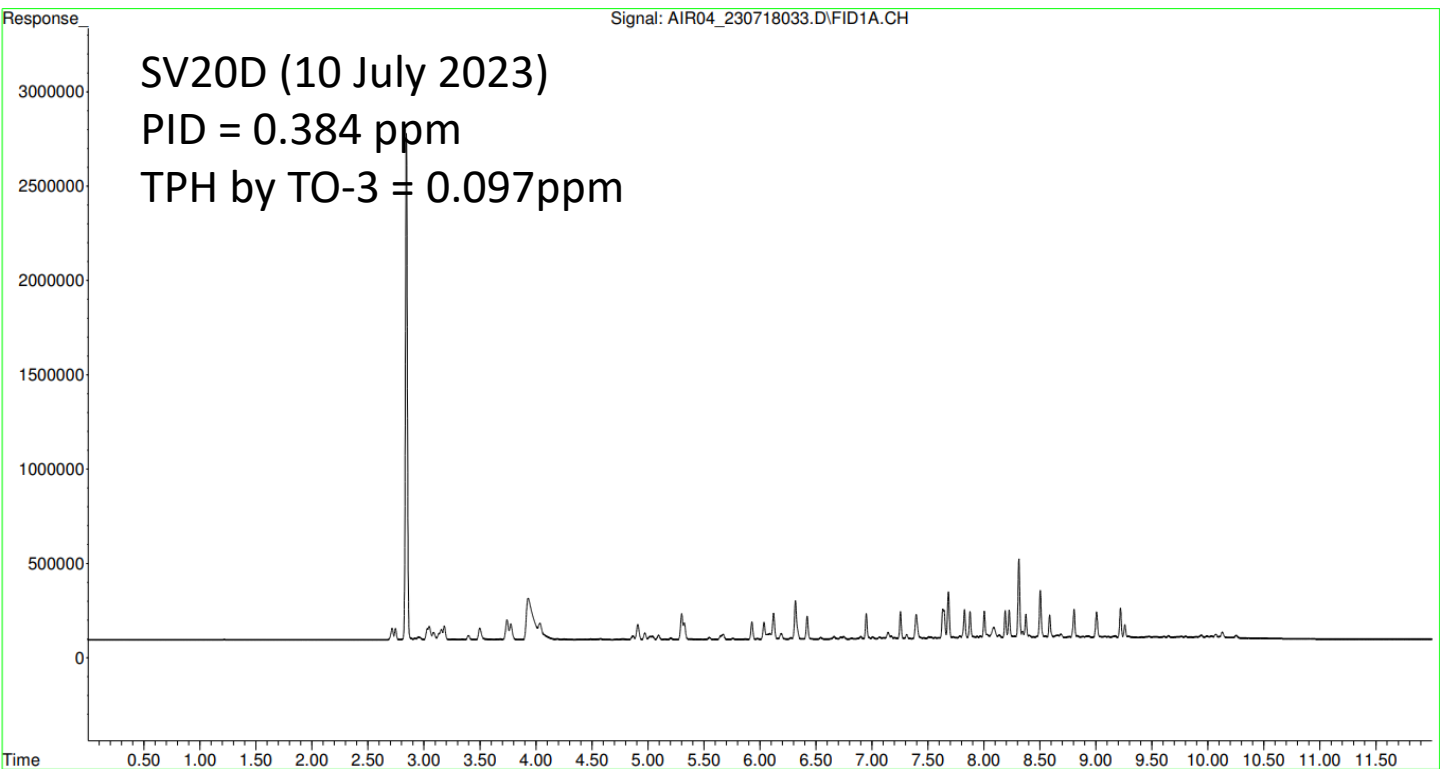




SV20D (10 July 2023)

PID = 0.384 ppm

TPH by TO-3 = 0.097ppm



Appendix B – Groundwater Results

Appendix B.1 – Summary of Analytical Program for Groundwater Samples Collected Between November 9, 2022 and May 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 June 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 July 7, 2023

Appendix B.3 – Groundwater Parameters from May 10, 2021 through July 14, 2023

Appendix B.4 – Summary of Groundwater Analytical Results through July 14, 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 and Sentinel Well Analytical Results

Appendix B.5 – Groundwater Monitoring Chromatograms through July 14, 2023

Appendix B.6 – NOI Groundwater Sampling Plan

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

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)
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2301WK1	N	2023-01-05 12:45 PM	EUT2	5801219481	Sampled	•	•	•		•	•	•	•	•	•
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2301WK1	N	2023-01-05 12:45 PM	EUTQ	5801219481	Addl Val Data Request				•						
RHMW04	RHMW04-WGFD01B-2301WK4	FD	2023-01-25 11:05 AM	EUT2	5801227611	Sampled; No SGC	•				•		•	•	•	•
RHMW04	RHMW04-WGN01B-2301WK4	N	2023-01-25 11:05 AM	EUT2	5801227611	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW04	RHMW04-WGN01B-2301WK4	N	2023-01-25 11:05 AM	EUTQ	5801227611	Addl Val Data Request				•		•				
RHMW06	RHMW06-WGN01B-2301WK4	N	2023-01-25 03:40 PM	EUT2	5801227611	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW06	RHMW06-WGN01B-2301WK4	N	2023-01-25 03:40 PM	EUTQ	5801227611	Addl Val Data Request				•		•				
RHMW08	RHMW08-WGN01B-2301WK4	N	2023-01-25 08:30 AM	EUT2	5801227611	Sampled	•	•	•		•		•	•	•	•
RHMW08	RHMW08-WGN01B-2301WK4	N	2023-01-25 08:30 AM	EUTQ	5801227611	Addl Val Data Request				•		•				
RHMW2254-01	RHMW2254-01-WGN01B-2301WK1	N	2023-01-05 09:10 AM	EUT2	5801219481	Sampled; No SGC	•	•	•		•	•	•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01B-2301WK1	N	2023-01-05 09:10 AM	EUTQ	5801219481	Addl Val Data Request				•						
RHMW2254-01	RHMW2254-01-WGN01LF-2301WK1	N	2023-01-05 10:55 AM	EUT2	5801219481	Sampled; No SGC	•	•	•		•	•	•	•	•	•

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI January 2023

Event ID: 50

RHMW2254-01	RHMW2254-01-WGN01LF-2301WK1 N	2023-01-05 10:55 AM	EUTQ	5801219481	Add Val Data Request													
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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 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)
OWDFMW04A	OWDFMW04A-WGFD01LF-2302WK2	FD	2023-02-15 11:30 AM	EUT2	5801235921	Sampled; No SGC	•				•		•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2302WK2	N	2023-02-15 11:30 AM	EUT2	5801235921	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2302WK2	N	2023-02-15 11:30 AM	EUTQ	5801235921	Sampled				•		•				
OWDFMW04A	OWDFMW04A-WGFD01LF-2302WK3	FD	2023-02-22 11:55 AM	EUT2	5801239071	Sampled; No SGC	•				•		•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2302WK3	N	2023-02-22 11:55 AM	EUT2	5801239071	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2302WK3	N	2023-02-22 11:55 AM	EUTQ	5801239071	Sampled				•		•				
OWDFMW04A	OWDFMW04A-WGFD01LF-2302WK4	FD	2023-03-01 03:05 PM	EUT2	5801242381	Sampled; No SGC	•				•		•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2302WK4	N	2023-03-01 03:05 PM	EUT2	5801242381	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2302WK4	N	2023-03-01 03:05 PM	EUTQ	5801242381	Sampled				•		•				
OWDFMW05A	OWDFMW05A-WGN01LF-2302WK2	N	2023-02-15 09:45 AM	EUT2	5801235921	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW05A	OWDFMW05A-WGN01LF-2302WK2	N	2023-02-15 09:45 AM	EUTQ	5801235921	Sampled				•		•				
OWDFMW05A	OWDFMW05A-WGN01LF-2302WK3	N	2023-02-22 09:30 AM	EUT2	5801239071	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW05A	OWDFMW05A-WGN01LF-2302WK3	N	2023-02-22 09:30 AM	EUTQ	5801239071	Sampled				•		•				

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Event ID: 1063

OWDFMW05A	OWDFMW05A-WGN01LF-2302WK4	N	2023-03-01 11:30 AM	EUT2	5801242381	Sampled; No SGC	•	•	•		•		•	•	•		
OWDFMW05A	OWDFMW05A-WGN01LF-2302WK4	N	2023-03-01 11:30 AM	EUTQ	5801242381	Sampled				•		•					
RHMW01R	RHMW01R-WGN01B-2302WK2	N	2023-02-14 11:10 AM	EUT2	5801235921	Sampled	•	•	•		•		•	•	•	•	•
RHMW01R	RHMW01R-WGN01B-2302WK2	N	2023-02-14 11:10 AM	EUTQ	5801235921	Sampled				•		•					
RHMW01R	RHMW01R-WGN01B-2302WK3	N	2023-02-21 11:20 AM	EUT2	5801239101	Sampled	•	•	•		•		•	•	•	•	•
RHMW01R	RHMW01R-WGN01B-2302WK3	N	2023-02-21 11:20 AM	EUTQ	5801239101	Sampled				•		•					
RHMW01R	RHMW01R-WGN01B-2302WK4	N	2023-02-28 10:05 AM	EUT2	5801241091	Sampled	•	•	•		•		•	•	•	•	•
RHMW01R	RHMW01R-WGN01B-2302WK4	N	2023-02-28 10:05 AM	EUTQ	5801241091	Sampled				•		•					
RHMW02	RHMW02-WGN01B-2302WK2	N	2023-02-14 12:10 PM	EUT2	5801236021	Sampled	•	•	•		•		•	•	•	•	•
RHMW02	RHMW02-WGN01B-2302WK2	N	2023-02-14 12:10 PM	EUTQ	5801236021	Sampled				•		•					
RHMW02	RHMW02-WGN01B-2302WK3	N	2023-02-21 12:35 PM	EUT2	5801239101	Sampled	•	•	•		•		•	•	•	•	•
RHMW02	RHMW02-WGN01B-2302WK3	N	2023-02-21 12:35 PM	EUTQ	5801239101	Sampled				•		•					
RHMW02	RHMW02-WGN01B-2302WK4	N	2023-02-28 11:00 AM	EUT2	5801241091	Sampled	•	•	•		•		•	•	•	•	•
RHMW02	RHMW02-WGN01B-2302WK4	N	2023-02-28 11:00 AM	EUTQ	5801241091	Sampled				•		•					
RHMW03	RHMW03-WGN01B-2302WK2	N	2023-02-14 01:00 PM	EUT2	5801236021	Sampled	•	•	•		•		•	•	•	•	•
RHMW03	RHMW03-WGN01B-2302WK2	N	2023-02-14 01:00 PM	EUTQ	5801236021	Sampled				•		•					
RHMW03	RHMW03-WGN01B-2302WK3	N	2023-02-21 01:50 PM	EUT2	5801239071	Sampled	•	•	•		•		•	•	•	•	•
RHMW03	RHMW03-WGN01B-2302WK3	N	2023-02-21 01:50 PM	EUTQ	5801239071	Sampled				•		•					
RHMW03	RHMW03-WGN01B-2302WK4	N	2023-02-28 12:00 PM	EUT2	5801241141	Sampled	•	•	•		•		•	•	•	•	•
RHMW03	RHMW03-WGN01B-2302WK4	N	2023-02-28 12:00 PM	EUTQ	5801241141	Sampled				•		•					
RHMW05	RHMW05-WGN01B-2302WK2	N	2023-02-14 09:45 AM	EUT2	5801236021	Sampled; No SGC	•	•	•		•		•	•	•	•	•
RHMW05	RHMW05-WGN01B-2302WK2	N	2023-02-14 09:45 AM	EUTQ	5801236021	Sampled				•		•					

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RHMW05	RHMW05-WGN01B-2302WK3	N	2023-02-21 10:05 AM	EUT2	5801239101	Sampled	•	•	•		•		•	•	•	•
RHMW05	RHMW05-WGN01B-2302WK3	N	2023-02-21 10:05 AM	EUTQ	5801239101	Sampled				•		•				
RHMW05	RHMW05-WGN01B-2302WK4	N	2023-02-28 09:00 AM	EUT2	5801241091	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW05	RHMW05-WGN01B-2302WK4	N	2023-02-28 09:00 AM	EUTQ	5801241091	Sampled				•		•				
RHMW09	RHMW09-WGN01B-2302WK3	N	2023-02-20 09:10 AM	EUT2	5801237411	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW09	RHMW09-WGN01B-2302WK3	N	2023-02-20 09:10 AM	EUTQ	5801237411	Sampled				•		•				
RHMW09	RHMW09-WGN01B-2302WK4	N	2023-02-27 09:25 AM	EUT2	5801241141	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW09	RHMW09-WGN01B-2302WK4	N	2023-02-27 09:25 AM	EUTQ	5801241141	Sampled				•		•				
RHMW11-05	RHMW11-05-WGN01G-2302WK2	N	2023-02-15 09:30 AM	EUT2	5801235921	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW11-05	RHMW11-05-WGN01G-2302WK2	N	2023-02-15 09:30 AM	EUTQ	5801235921	Sampled				•		•				
RHMW12A	RHMW12A-WGN01LF-2302WK3	N	2023-02-21 10:58 AM	EUT2	5801239101	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW12A	RHMW12A-WGN01LF-2302WK3	N	2023-02-21 10:58 AM	EUTQ	5801239101	Sampled				•		•				
RHMW12A	RHMW12A-WGN01LF-2302WK4	N	2023-02-28 09:40 AM	EUT2	5801241091	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW12A	RHMW12A-WGN01LF-2302WK4	N	2023-02-28 09:40 AM	EUTQ	5801241091	Sampled				•		•				
RHMW13-05	RHMW13-05-WGN01G-2302WK2	N	2023-02-14 10:10 AM	EUT2	5801236021	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW13-05	RHMW13-05-WGN01G-2302WK2	N	2023-02-14 10:10 AM	EUTQ	5801236021	Sampled				•		•				
RHMW13-05	RHMW13-05-WGN01G-2302WK3	N	2023-02-22 09:10 AM	EUT2	5801239071	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW13-05	RHMW13-05-WGN01G-2302WK3	N	2023-02-22 09:10 AM	EUTQ	5801239071	Sampled				•		•				
RHMW14-03	RHMW14-03-WGN01G-2302WK4	N	2023-03-01 10:10 AM	EUT2	5801242381	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW14-03	RHMW14-03-WGN01G-2302WK4	N	2023-03-01 10:10 AM	EUTQ	5801242381	Sampled				•		•				
RHMW15-05	RHMW15-05-WGN01G-2302WK4	N	2023-03-02 09:35 AM	EUT2	5801242381	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW15-05	RHMW15-05-WGN01G-2302WK4	N	2023-03-02 09:35 AM	EUTQ	5801242381	Sampled				•		•				

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RHMW16	RHMW16-WGN01LF-2302WK3	N	2023-02-21 02:55 PM	EUT2	5801239101	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW16	RHMW16-WGN01LF-2302WK3	N	2023-02-21 02:55 PM	EUTQ	5801239101	Sampled				•		•				
RHMW16	RHMW16-WGN01LF-2302WK4	N	2023-02-28 12:20 PM	EUT2	5801241091	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW16	RHMW16-WGN01LF-2302WK4	N	2023-02-28 12:20 PM	EUTQ	5801241091	Sampled				•		•				
RHMW19	RHMW19-WGN01B-2302WK3	N	2023-02-20 11:15 AM	EUT2	5801237411	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW19	RHMW19-WGN01B-2302WK3	N	2023-02-20 11:15 AM	EUTQ	5801237411	Sampled				•		•				
RHMW19	RHMW19-WGN01B-2302WK4	N	2023-02-27 10:45 AM	EUT2	5801241141	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW19	RHMW19-WGN01B-2302WK4	N	2023-02-27 10:45 AM	EUTQ	5801241141	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

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI February 2023

Event ID: 1063

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)
RHMW11-05	RHMW11-05-WGN01G-2303WK1	N	2023-03-08 09:00 AM	EUT2	5801245571	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW11-05	RHMW11-05-WGN01G-2303WK1	N	2023-03-08 09:00 AM	EUTQ	5801245571	Sampled				•		•				
RHMW11-05	RHMW11-05-WGN01G-2303WK3	N	2023-03-21 01:40 PM	EUT2	5801251251	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW11-05	RHMW11-05-WGN01G-2303WK3	N	2023-03-21 01:40 PM	EUTQ	5801251251	Sampled				•		•				
RHMW11-05	RHMW11-05-WGN01G-2303WK4	N	2023-03-27 10:00 AM	EUT2	5801252151	Sampled	•	•	•		•		•	•	•	•
RHMW11-05	RHMW11-05-WGN01G-2303WK4	N	2023-03-27 10:00 AM	EUTQ	5801252151	Sampled				•		•				
RHMW12A	RHMW12A-WGN01LF-2303WK1	N	2023-03-06 10:30 AM	EUT2	5801244231	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW12A	RHMW12A-WGN01LF-2303WK1	N	2023-03-06 10:30 AM	EUTQ	5801244231	Sampled				•		•				
RHMW12A	RHMW12A-WGN01LF-2303WK2	N	2023-03-13 11:10 AM	EUT2	5801247441	Sampled; No SGC	•	•	•		•		•		•	•
RHMW12A	RHMW12A-WGN01LF-2303WK2	N	2023-03-13 11:10 AM	EUT2	5801247441	Sampled; No SGC								•		
RHMW12A	RHMW12A-WGN01LF-2303WK2	N	2023-03-13 11:10 AM	EUTQ	5801247441	Sampled				•		•				
RHMW12A	RHMW12A-WGN01LF-2303WK3	N	2023-03-20 09:30 AM	EUT2	5801249621	Sampled; No SGC	•	•	•		•		•		•	•
RHMW12A	RHMW12A-WGN01LF-2303WK3	N	2023-03-20 09:30 AM	EUT2	5801249621	Sampled; No SGC								•		

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Event Name: RH NOI March 2023

Event ID: 1066

RHMW12A	RHMW12A-WGN01LF-2303WK3	N	2023-03-20 09:30 AM	EUTQ	5801249621	Sampled																	
RHMW14-03	RHMW14-03-WGN01G-2303WK1	N	2023-03-08 12:30 PM	EUT2	5801245571	Sampled; No SGC	•	•	•		•		•	•		•		•		•		•	
RHMW14-03	RHMW14-03-WGN01G-2303WK1	N	2023-03-08 12:30 PM	EUTQ	5801245571	Sampled				•		•											
RHMW14-03	RHMW14-03-WGN01G-2303WK3	N	2023-03-21 09:00 AM	EUT2	5801250151	Sampled; No SGC	•	•	•		•		•	•		•		•		•		•	
RHMW14-03	RHMW14-03-WGN01G-2303WK3	N	2023-03-21 09:00 AM	EUTQ	5801250151	Sampled				•		•											
RHMW14-03	RHMW14-03-WGN01G-2303WK4	N	2023-03-31 10:00 AM	EUT2	5801254561	Sampled; No SGC	•	•	•		•		•	•		•		•		•		•	
RHMW14-03	RHMW14-03-WGN01G-2303WK4	N	2023-03-31 10:00 AM	EUTQ	5801254561	Sampled				•		•											
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2303WK1	N	2023-03-08 09:20 AM	EUT2	5801245571	Sampled	•	•	•		•		•	•		•		•		•		•	
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2303WK1	N	2023-03-08 09:20 AM	EUTQ	5801245571	Sampled				•		•											
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2303WK3	N	2023-03-22 09:00 AM	EUT2	5801251281	Sampled; No SGC	•	•	•		•		•	•		•		•		•		•	
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2303WK3	N	2023-03-22 09:00 AM	EUTQ	5801251281	Sampled				•		•											
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2303WK4	N	2023-03-29 09:30 AM	EUT2	5801253531	Sampled	•	•	•		•		•	•		•		•		•		•	
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2303WK4	N	2023-03-29 09:30 AM	EUTQ	5801253531	Sampled				•		•											
OWDFMW01	OWDFMW01-WGN01LF-2303WK1	N	2023-03-09 11:45 AM	EUT2	5801245561	Sampled; No SGC	•	•	•		•		•	•		•		•		•		•	
OWDFMW01	OWDFMW01-WGN01LF-2303WK1	N	2023-03-09 11:45 AM	EUTQ	5801245561	Sampled				•		•											
OWDFMW01	OWDFMW01-WGN01LF-2303WK3	N	2023-03-23 09:55 AM	EUT2	5801251331	Sampled; No SGC	•	•	•		•		•	•		•		•		•		•	
OWDFMW01	OWDFMW01-WGN01LF-2303WK3	N	2023-03-23 09:55 AM	EUTQ	5801251331	Sampled				•		•											
OWDFMW01	OWDFMW01-WGN01LF-2303WK4	N	2023-03-30 09:45 AM	EUT2	5801254011	Sampled; No SGC	•	•	•		•		•			•		•		•		•	
OWDFMW01	OWDFMW01-WGN01LF-2303WK4	N	2023-03-30 09:45 AM	EUT2	5801254011	Sampled; No SGC												•					
OWDFMW01	OWDFMW01-WGN01LF-2303WK4	N	2023-03-30 09:45 AM	EUTQ	5801254011	Sampled				•		•											
OWDFMW04A	OWDFMW04A-WGFD01LF-2303WK2	FD	2023-03-15 11:10 AM	EUT2	5801248681	Sampled; No SGC	•				•		•	•		•		•		•		•	
OWDFMW04A	OWDFMW04A-WGFD01LF-2303WK3	FD	2023-03-22 12:30 PM	EUT2	5801251281	Sampled; No SGC	•				•		•	•		•		•		•		•	
OWDFMW04A	OWDFMW04A-WGFD01LF-2303WK4	FD	2023-03-29 11:30 AM	EUT2	5801253531	Sampled; No SGC	•				•		•	•		•		•		•		•	

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Event Name: RH NOI March 2023

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OWDFMW04A	OWDFMW04A-WGN01LF-2303WK2	N	2023-03-15 11:10 AM	EUT2	5801248681	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2303WK2	N	2023-03-15 11:10 AM	EUTQ	5801248681	Sampled				•		•					
OWDFMW04A	OWDFMW04A-WGN01LF-2303WK3	N	2023-03-22 12:30 PM	EUT2	5801251281	Sampled; No SGC	•	•	•		•		•	•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2303WK3	N	2023-03-22 12:30 PM	EUTQ	5801251281	Sampled				•		•					
OWDFMW04A	OWDFMW04A-WGN01LF-2303WK4	N	2023-03-29 11:30 AM	EUT2	5801253531	Sampled; No SGC	•	•	•		•		•	•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2303WK4	N	2023-03-29 11:30 AM	EUTQ	5801253531	Sampled				•		•					
OWDFMW05A	OWDFMW05A-WGN01LF-2303WK2	N	2023-03-15 02:15 PM	EUT2	5801248681	Sampled; No SGC	•	•	•		•		•	•	•	•	•
OWDFMW05A	OWDFMW05A-WGN01LF-2303WK2	N	2023-03-15 02:15 PM	EUTQ	5801248681	Sampled				•		•					
OWDFMW05A	OWDFMW05A-WGN01LF-2303WK3	N	2023-03-22 10:15 AM	EUT2	5801251281	Sampled; No SGC	•	•	•		•		•	•	•	•	•
OWDFMW05A	OWDFMW05A-WGN01LF-2303WK3	N	2023-03-22 10:15 AM	EUTQ	5801251281	Sampled				•		•					
OWDFMW05A	OWDFMW05A-WGN01LF-2303WK4	N	2023-03-29 09:25 AM	EUT2	5801253531	Sampled; No SGC	•	•	•		•		•	•	•	•	•
OWDFMW05A	OWDFMW05A-WGN01LF-2303WK4	N	2023-03-29 09:25 AM	EUTQ	5801253531	Sampled				•		•					
OWDFMW07A	OWDFMW07A-WGN01LF-2303WK1	N	2023-03-07 09:05 AM	EUT2	5801244231	Sampled; No SGC	•	•	•		•		•	•	•	•	•
OWDFMW07A	OWDFMW07A-WGN01LF-2303WK1	N	2023-03-07 09:05 AM	EUTQ	5801244231	Sampled				•		•					
OWDFMW07A	OWDFMW07A-WGN01LF-2303WK2	N	2023-03-14 09:20 AM	EUT2	5801247441	Sampled; No SGC	•	•	•		•		•	•	•	•	•
OWDFMW07A	OWDFMW07A-WGN01LF-2303WK2	N	2023-03-14 09:20 AM	EUTQ	5801247441	Sampled				•		•					
OWDFMW07A	OWDFMW07A-WGN01LF-2303WK4	N	2023-03-28 09:00 AM	EUT2	5801252711	Sampled; No SGC	•	•	•		•		•	•	•	•	•
OWDFMW07A	OWDFMW07A-WGN01LF-2303WK4	N	2023-03-28 09:00 AM	EUT2	5801252711	Sampled; No SGC								•			
OWDFMW07A	OWDFMW07A-WGN01LF-2303WK4	N	2023-03-28 09:00 AM	EUTQ	5801252711	Sampled				•		•					
OWDFMW08A	OWDFMW08A-WGFD01LF-2303WK1	FD	2023-03-07 10:55 AM	EUT2	5801244231	Sampled; No SGC	•				•		•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGFD01LF-2303WK2	FD	2023-03-14 11:30 AM	EUT2	5801247441	Sampled; No SGC	•				•		•				
OWDFMW08A	OWDFMW08A-WGFD01LF-2303WK2	FD	2023-03-14 11:30 AM	EUT2	5801247441	Sampled; No SGC								•			
OWDFMW08A	OWDFMW08A-WGFD01LF-2303WK4	FD	2023-03-28 10:55 AM	EUT2	5801252711	Sampled; No SGC	•				•		•	•	•	•	•

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI March 2023

Event ID: 1066

OWDFMW08A	OWDFMW08A-WGN01LF-2303WK1	N	2023-03-07 10:55 AM	EUT2	5801244231	Sampled	•	•	•	•	•	•	•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2303WK1	N	2023-03-07 10:55 AM	EUTQ	5801244231	Sampled				•		•					
OWDFMW08A	OWDFMW08A-WGN01LF-2303WK2	N	2023-03-14 11:30 AM	EUT2	5801247441	Sampled; No SGC	•	•	•		•		•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2303WK2	N	2023-03-14 11:30 AM	EUTQ	5801247441	Sampled				•		•					
OWDFMW08A	OWDFMW08A-WGN01LF-2303WK4	N	2023-03-28 10:55 AM	EUT2	5801252711	Sampled; No SGC	•	•	•		•		•		•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2303WK4	N	2023-03-28 10:55 AM	EUT2	5801252711	Sampled; No SGC								•			
OWDFMW08A	OWDFMW08A-WGN01LF-2303WK4	N	2023-03-28 10:55 AM	EUTQ	5801252711	Sampled				•		•					
RHMW01R	RHMW01R-WGN01B-2303WK1	N	2023-03-07 12:05 PM	EUT2	5801244591	Sampled	•	•	•		•		•	•	•	•	•
RHMW01R	RHMW01R-WGN01B-2303WK1	N	2023-03-07 12:05 PM	EUTQ	5801244591	Sampled				•		•					
RHMW01R	RHMW01R-WGN01B-2303WK3	N	2023-03-21 11:15 AM	EUT2	5801251251	Sampled	•	•	•		•		•	•	•	•	•
RHMW01R	RHMW01R-WGN01B-2303WK3	N	2023-03-21 11:15 AM	EUTQ	5801251251	Sampled				•		•					
RHMW01R	RHMW01R-WGN01B-2303WK4	N	2023-03-28 10:45 AM	EUT2	5801253581	Sampled	•	•	•		•		•	•	•	•	•
RHMW01R	RHMW01R-WGN01B-2303WK4	N	2023-03-28 10:45 AM	EUTQ	5801253581	Sampled				•		•					
RHMW02	RHMW02-WGN01B-2303WK1	N	2023-03-07 01:45 PM	EUT2	5801244591	Sampled	•	•	•		•		•	•	•	•	•
RHMW02	RHMW02-WGN01B-2303WK1	N	2023-03-07 01:45 PM	EUTQ	5801244591	Sampled				•		•					
RHMW02	RHMW02-WGN01B-2303WK3	N	2023-03-21 12:25 PM	EUT2	5801251251	Sampled	•	•	•		•		•	•	•	•	•
RHMW02	RHMW02-WGN01B-2303WK3	N	2023-03-21 12:25 PM	EUTQ	5801251251	Sampled				•		•					
RHMW02	RHMW02-WGN01B-2303WK4	N	2023-03-28 12:25 PM	EUT2	5801253581	Sampled	•	•	•		•		•	•	•	•	•
RHMW02	RHMW02-WGN01B-2303WK4	N	2023-03-28 12:25 PM	EUTQ	5801253581	Sampled				•		•					
RHMW03	RHMW03-WGN01B-2303WK1	N	2023-03-07 02:55 PM	EUT2	5801244591	Sampled	•	•	•		•		•	•	•	•	•
RHMW03	RHMW03-WGN01B-2303WK1	N	2023-03-07 02:55 PM	EUTQ	5801244591	Sampled				•		•					
RHMW03	RHMW03-WGN01B-2303WK3	N	2023-03-21 02:30 PM	EUT2	5801251251	Sampled	•	•	•		•		•	•	•	•	•
RHMW03	RHMW03-WGN01B-2303WK3	N	2023-03-21 02:30 PM	EUTQ	5801251251	Sampled				•		•					

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI March 2023

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RHMW03	RHMW03-WGN01B-2303WK4	N	2023-03-28 01:45 PM	EUT2	5801253581	Sampled	•	•	•	•	•	•	•	•	•	•
RHMW03	RHMW03-WGN01B-2303WK4	N	2023-03-28 01:45 PM	EUTQ	5801253581	Sampled				•		•				
RHMW04	RHMW04-WGFD01B-2303WK1	FD	2023-03-09 08:40 AM	EUT2	5801245561	Sampled; No SGC	•				•		•	•	•	•
RHMW04	RHMW04-WGFD01B-2303WK2	FD	2023-03-15 10:50 AM	EUT2	5801248681	Sampled	•				•		•	•	•	•
RHMW04	RHMW04-WGFD01B-2303WK4	FD	2023-03-30 08:45 AM	EUT2	5801254011	Sampled; No SGC	•				•		•		•	•
RHMW04	RHMW04-WGFD01B-2303WK4	FD	2023-03-30 08:45 AM	EUT2	5801254011	Sampled; No SGC								•		
RHMW04	RHMW04-WGN01B-2303WK1	N	2023-03-09 08:40 AM	EUT2	5801245561	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW04	RHMW04-WGN01B-2303WK1	N	2023-03-09 08:40 AM	EUTQ	5801245561	Sampled				•		•				
RHMW04	RHMW04-WGN01B-2303WK2	N	2023-03-15 10:50 AM	EUT2	5801248681	Sampled	•	•	•		•		•	•	•	•
RHMW04	RHMW04-WGN01B-2303WK2	N	2023-03-15 10:50 AM	EUTQ	5801248681	Sampled				•		•				
RHMW04	RHMW04-WGN01B-2303WK4	N	2023-03-30 08:45 AM	EUT2	5801254011	Sampled; No SGC	•	•	•		•		•		•	•
RHMW04	RHMW04-WGN01B-2303WK4	N	2023-03-30 08:45 AM	EUT2	5801254011	Sampled; No SGC								•		
RHMW04	RHMW04-WGN01B-2303WK4	N	2023-03-30 08:45 AM	EUTQ	5801254011	Sampled				•		•				
RHMW05	RHMW05-WGN01B-2303WK1	N	2023-03-07 10:45 AM	EUT2	5801244591	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW05	RHMW05-WGN01B-2303WK1	N	2023-03-07 10:45 AM	EUTQ	5801244591	Sampled				•		•				
RHMW05	RHMW05-WGN01B-2303WK3	N	2023-03-21 09:40 AM	EUT2	5801251251	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW05	RHMW05-WGN01B-2303WK3	N	2023-03-21 09:40 AM	EUTQ	5801251251	Sampled				•		•				
RHMW05	RHMW05-WGN01B-2303WK4	N	2023-03-28 09:15 AM	EUT2	5801253581	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW05	RHMW05-WGN01B-2303WK4	N	2023-03-28 09:15 AM	EUTQ	5801253581	Sampled				•		•				
RHMW06	RHMW06-WGN01B-2303WK1	N	2023-03-09 12:55 PM	EUT2	5801245811	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW06	RHMW06-WGN01B-2303WK1	N	2023-03-09 12:55 PM	EUTQ	5801245811	Sampled				•		•				
RHMW06	RHMW06-WGN01B-2303WK2	N	2023-03-15 01:35 PM	EUT2	5801248681	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW06	RHMW06-WGN01B-2303WK2	N	2023-03-15 01:35 PM	EUTQ	5801248681	Sampled				•		•				

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RHS RM UFP-QAPP

Event Name: RH NOI March 2023

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RHMW06	RHMW06-WGN01B-2303WK3	N	2023-03-24 01:20 PM	EUT2	5801252161	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•	•	•
RHMW06	RHMW06-WGN01B-2303WK3	N	2023-03-24 01:20 PM	EUTQ	5801252161	Sampled				•		•						
RHMW06	RHMW06-WGN01B-2303WK4	N	2023-03-30 12:25 PM	EUT2	5801254011	Sampled; No SGC	•	•	•		•		•				•	•
RHMW06	RHMW06-WGN01B-2303WK4	N	2023-03-30 12:25 PM	EUT2	5801254011	Sampled; No SGC											•	
RHMW06	RHMW06-WGN01B-2303WK4	N	2023-03-30 12:25 PM	EUTQ	5801254011	Sampled				•		•						
RHMW08	RHMW08-WGN01B-2303WK1	N	2023-03-09 10:50 AM	EUT2	5801245811	Sampled; No SGC	•	•	•		•		•			•	•	•
RHMW08	RHMW08-WGN01B-2303WK1	N	2023-03-09 10:50 AM	EUTQ	5801245811	Sampled				•		•						
RHMW08	RHMW08-WGN01B-2303WK2	N	2023-03-15 08:45 AM	EUT2	5801248681	Sampled	•	•	•		•		•			•	•	•
RHMW08	RHMW08-WGN01B-2303WK2	N	2023-03-15 08:45 AM	EUTQ	5801248681	Sampled				•		•						
RHMW08	RHMW08-WGN01B-2303WK4	N	2023-03-30 11:00 AM	EUT2	5801254011	Sampled	•	•	•		•		•			•	•	•
RHMW08	RHMW08-WGN01B-2303WK4	N	2023-03-30 11:00 AM	EUTQ	5801254011	Sampled				•		•						
RHMW09	RHMW09-WGN01B-2303WK1	N	2023-03-06 08:40 AM	EUT2	5801243231	Sampled; No SGC	•	•	•		•		•			•	•	•
RHMW09	RHMW09-WGN01B-2303WK1	N	2023-03-06 08:40 AM	EUTQ	5801243231	Sampled				•		•						
RHMW09	RHMW09-WGN01B-2303WK2	N	2023-03-13 08:35 AM	EUT2	5801246481	Sampled	•	•	•		•		•			•	•	•
RHMW09	RHMW09-WGN01B-2303WK2	N	2023-03-13 08:35 AM	EUTQ	5801246481	Sampled				•		•						
RHMW09	RHMW09-WGN01B-2303WK3	N	2023-03-20 09:20 AM	EUT2	5801249621	Sampled	•	•	•		•		•			•	•	•
RHMW09	RHMW09-WGN01B-2303WK3	N	2023-03-20 09:20 AM	EUTQ	5801249621	Sampled				•		•						
RHMW13-05	RHMW13-05-WGN01G-2303WK1	N	2023-03-07 09:20 AM	EUT2	5801244231	Sampled; No SGC	•	•	•		•		•			•	•	•
RHMW13-05	RHMW13-05-WGN01G-2303WK1	N	2023-03-07 09:20 AM	EUTQ	5801244231	Sampled				•		•						
RHMW13-05	RHMW13-05-WGN01G-2303WK2	N	2023-03-14 09:20 AM	EUT2	5801247441	Sampled; No SGC	•	•	•		•		•			•	•	•
RHMW13-05	RHMW13-05-WGN01G-2303WK2	N	2023-03-14 09:20 AM	EUT2	5801247441	Sampled; No SGC											•	
RHMW13-05	RHMW13-05-WGN01G-2303WK2	N	2023-03-14 09:20 AM	EUTQ	5801247441	Sampled				•		•						
RHMW13-05	RHMW13-05-WGN01G-2303WK3	N	2023-03-22 10:00 AM	EUT2	5801251331	Sampled; No SGC	•	•	•		•		•			•	•	•

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI March 2023

Event ID: 1066

RHMW13-05	RHMW13-05-WGN01G-2303WK3	N	2023-03-22 10:00 AM	EUTQ	5801251331	Sampled					*		*					
RHMW13-05	RHMW13-05-WGN01G-2303WK4	N	2023-03-28 09:50 AM	EUT2	5801252711	Sampled; No SGC	*	*	*		*		*	*	*	*	*	*
RHMW13-05	RHMW13-05-WGN01G-2303WK4	N	2023-03-28 09:50 AM	EUTQ	5801252711	Sampled				*		*						
RHMW15-05	RHMW15-05-WGN01G-2303WK1	N	2023-03-09 09:20 AM	EUT2	5801245561	Sampled; No SGC	*	*	*		*		*	*	*	*	*	*
RHMW15-05	RHMW15-05-WGN01G-2303WK1	N	2023-03-09 09:20 AM	EUTQ	5801245561	Sampled				*		*						
RHMW15-05	RHMW15-05-WGN01G-2303WK3	N	2023-03-23 09:40 AM	EUT2	5801251331	Sampled; No SGC	*	*	*		*		*	*	*	*	*	*
RHMW15-05	RHMW15-05-WGN01G-2303WK3	N	2023-03-23 09:40 AM	EUTQ	5801251331	Sampled				*		*						
RHMW15-05	RHMW15-05-WGN01G-2303WK4	N	2023-03-30 09:50 AM	EUT2	5801254011	Sampled; No SGC	*	*	*		*		*			*	*	*
RHMW15-05	RHMW15-05-WGN01G-2303WK4	N	2023-03-30 09:50 AM	EUT2	5801254011	Sampled; No SGC								*				
RHMW15-05	RHMW15-05-WGN01G-2303WK4	N	2023-03-30 09:50 AM	EUTQ	5801254011	Sampled				*		*						
RHMW16	RHMW16-WGN01LF-2303WK1	N	2023-03-06 01:15 PM	EUT2	5801244231	Sampled; No SGC	*	*	*		*		*	*	*	*	*	*
RHMW16	RHMW16-WGN01LF-2303WK1	N	2023-03-06 01:15 PM	EUTQ	5801244231	Sampled				*		*						
RHMW16	RHMW16-WGN01LF-2303WK2	N	2023-03-13 02:30 PM	EUT2	5801247441	Sampled; No SGC	*	*	*		*		*			*	*	*
RHMW16	RHMW16-WGN01LF-2303WK2	N	2023-03-13 02:30 PM	EUT2	5801247441	Sampled; No SGC								*				
RHMW16	RHMW16-WGN01LF-2303WK2	N	2023-03-13 02:30 PM	EUTQ	5801247441	Sampled				*		*						
RHMW16	RHMW16-WGN01LF-2303WK3	N	2023-03-20 12:00 PM	EUT2	5801249621	Sampled; No SGC	*	*	*		*		*			*	*	*
RHMW16	RHMW16-WGN01LF-2303WK3	N	2023-03-20 12:00 PM	EUT2	5801249621	Sampled; No SGC								*				
RHMW16	RHMW16-WGN01LF-2303WK3	N	2023-03-20 12:00 PM	EUTQ	5801249621	Sampled				*		*						
RHMW17	RHMW17-WGN01B-2303WK1	N	2023-03-09 08:55 AM	EUT2	5801245561	Sampled	*	*	*		*		*	*	*	*	*	*
RHMW17	RHMW17-WGN01B-2303WK1	N	2023-03-09 08:55 AM	EUTQ	5801245561	Sampled				*		*						
RHMW17	RHMW17-WGN01B-2303WK2	N	2023-03-16 12:45 PM	EUT2	5801249071	Sampled; No SGC	*	*	*		*		*	*	*	*	*	*
RHMW17	RHMW17-WGN01B-2303WK2	N	2023-03-16 12:45 PM	EUTQ	5801249071	Sampled				*		*						
RHMW17	RHMW17-WGN01B-2303WK3	N	2023-03-23 12:15 PM	EUT2	5801251331	Sampled; No SGC	*	*	*		*		*	*	*	*	*	*

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI March 2023

Event ID: 1066

RHMW17	RHMW17-WGN01B-2303WK3	N	2023-03-23 12:15 PM	EUTQ	5801251331	Sampled					•		•					
RHMW17	RHMW17-WGN01B-2303WK4	N	2023-03-30 12:00 PM	EUT2	5801254011	Sampled; No SGC	•	•	•		•		•		•	•	•	•
RHMW17	RHMW17-WGN01B-2303WK4	N	2023-03-30 12:00 PM	EUT2	5801254011	Sampled; No SGC									•			
RHMW17	RHMW17-WGN01B-2303WK4	N	2023-03-30 12:00 PM	EUTQ	5801254011	Sampled					•		•					
RHMW19	RHMW19-WGN01B-2303WK1	N	2023-03-06 10:45 AM	EUT2	5801243231	Sampled	•	•	•		•		•	•	•	•	•	•
RHMW19	RHMW19-WGN01B-2303WK1	N	2023-03-06 10:45 AM	EUTQ	5801243231	Sampled					•		•					
RHMW19	RHMW19-WGN01B-2303WK2	N	2023-03-13 10:50 AM	EUT2	5801246481	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•
RHMW19	RHMW19-WGN01B-2303WK2	N	2023-03-13 10:50 AM	EUTQ	5801246481	Sampled					•		•					
RHMW19	RHMW19-WGN01B-2303WK3	N	2023-03-20 10:50 AM	EUT2	5801249621	Sampled; No SGC	•	•	•		•		•		•	•	•	•
RHMW19	RHMW19-WGN01B-2303WK3	N	2023-03-20 10:50 AM	EUT2	5801249621	Sampled; No SGC									•			
RHMW19	RHMW19-WGN01B-2303WK3	N	2023-03-20 10:50 AM	EUTQ	5801249621	Sampled					•		•					
RHMW2254-01	RHMW2254-01-WGN01B-2303WK1	N	2023-03-08 11:25 AM	EUT2	5801245571	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01B-2303WK1	N	2023-03-08 11:25 AM	EUTQ	5801245571	Sampled					•		•					
RHMW2254-01	RHMW2254-01-WGN01B-2303WK3	N	2023-03-22 10:15 AM	EUT2	5801251281	Sampled	•	•	•		•		•	•	•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01B-2303WK3	N	2023-03-22 10:15 AM	EUTQ	5801251281	Sampled					•		•					
RHMW2254-01	RHMW2254-01-WGN01B-2303WK4	N	2023-03-29 10:35 AM	EUT2	5801253531	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01B-2303WK4	N	2023-03-29 10:35 AM	EUTQ	5801253531	Sampled					•		•					
RHMW2254-01	RHMW2254-01-WGN01LF-2303WK1	N	2023-03-08 01:20 PM	EUT2	5801245571	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01LF-2303WK1	N	2023-03-08 01:20 PM	EUTQ	5801245571	Sampled					•		•					
RHMW2254-01	RHMW2254-01-WGN01LF-2303WK3	N	2023-03-22 11:15 AM	EUT2	5801251281	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01LF-2303WK3	N	2023-03-22 11:15 AM	EUTQ	5801251281	Sampled					•		•					
RHMW2254-01	RHMW2254-01-WGN01LF-2303WK4	N	2023-03-29 11:45 AM	EUT2	5801253531	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01LF-2303WK4	N	2023-03-29 11:45 AM	EUTQ	5801253531	Sampled					•		•					

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI March 2023

Event ID: 1066

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

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI April 2023

Event ID: 1073

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-2304WK1	N	2023-04-04 12:15 PM	EUT2	5801255791	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW11-05	RHMW11-05-WGN01G-2304WK1	N	2023-04-04 12:15 PM	EUTQ	5801255791	Sampled				•		•				
RHMW12A	RHMW12A-WGN01LF-2304WK1	N	2023-04-03 09:28 AM	EUT2	5801254911	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW12A	RHMW12A-WGN01LF-2304WK1	N	2023-04-03 09:28 AM	EUTQ	5801254911	Sampled				•		•				
RHMW12A	RHMW12A-WGN01LF-2304WK4	N	2023-04-24 10:00 AM	EUT2	5801264231	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW12A	RHMW12A-WGN01LF-2304WK4	N	2023-04-24 10:00 AM	EUTQ	5801264231	Sampled				•		•				
RHMW14-03	RHMW14-03-WGN01G-2304WK1	N	2023-04-04 08:40 AM	EUT2	5801255791	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW14-03	RHMW14-03-WGN01G-2304WK1	N	2023-04-04 08:40 AM	EUTQ	5801255791	Sampled				•		•				
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2304WK1	N	2023-04-05 11:00 AM	EUT2	5801256421	Sampled	•	•	•		•		•	•	•	•
ADIT3-SUMP	ADIT3-SUMP-WGN01B-2304WK1	N	2023-04-05 11:00 AM	EUTQ	5801256421	Sampled				•		•				
OWDFMW01	OWDFMW01-WGN01LF-2304WK1	N	2023-04-06 11:00 AM	EUT2	5801257011	Sampled; No SGC	•	•	•		•		•	•	•	•
OWDFMW01	OWDFMW01-WGN01LF-2304WK1	N	2023-04-06 11:00 AM	EUTQ	5801257011	Sampled				•		•				
OWDFMW04A	OWDFMW04A-WGFD01LF-2304WK1	FD	2023-04-05 11:23 AM	EUT2	5801256421	Sampled; No SGC	•				•		•	•	•	•

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI April 2023

Event ID: 1073

OWDFMW04A	OWDFMW04A-WGN01LF-2304WK1	N	2023-04-05 11:23 AM	EUT2	5801256421	Sampled; No SGC	•	•	•	•	•	•	•	•	•	•	•	•
OWDFMW04A	OWDFMW04A-WGN01LF-2304WK1	N	2023-04-05 11:23 AM	EUTQ	5801256421	Sampled				•		•						
OWDFMW05A	OWDFMW05A-WGN01LF-2304WK1	N	2023-04-05 08:45 AM	EUT2	5801256421	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•
OWDFMW05A	OWDFMW05A-WGN01LF-2304WK1	N	2023-04-05 08:45 AM	EUTQ	5801256421	Sampled				•		•						
OWDFMW07A	OWDFMW07A-WGN01LF-2304WK1	N	2023-04-04 09:05 AM	EUT2	5801255791	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•
OWDFMW07A	OWDFMW07A-WGN01LF-2304WK1	N	2023-04-04 09:05 AM	EUTQ	5801255791	Sampled				•		•						
OWDFMW08A	OWDFMW08A-WGFD01LF-2304WK1	FD	2023-04-04 10:55 AM	EUT2	5801255791	Sampled; No SGC	•				•		•	•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2304WK1	N	2023-04-04 10:55 AM	EUT2	5801255791	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•
OWDFMW08A	OWDFMW08A-WGN01LF-2304WK1	N	2023-04-04 10:55 AM	EUTQ	5801255791	Sampled				•		•						
RHMW01R	RHMW01R-WGN01B-2304WK1	N	2023-04-04 11:35 AM	EUT2	5801256441	Sampled	•	•	•		•		•	•	•	•	•	•
RHMW01R	RHMW01R-WGN01B-2304WK1	N	2023-04-04 11:35 AM	EUTQ	5801256441	Sampled				•		•						
RHMW02	RHMW02-WGN01B-2304WK1	N	2023-04-04 01:30 PM	EUT2	5801256441	Sampled	•	•	•		•		•	•	•	•	•	•
RHMW02	RHMW02-WGN01B-2304WK1	N	2023-04-04 01:30 PM	EUTQ	5801256441	Sampled				•		•						
RHMW03	RHMW03-WGN01B-2304WK1	N	2023-04-04 02:55 PM	EUT2	5801256441	Sampled	•	•	•		•		•	•	•	•	•	•
RHMW03	RHMW03-WGN01B-2304WK1	N	2023-04-04 02:55 PM	EUTQ	5801256441	Sampled				•		•						
RHMW04	RHMW04-WGFD01B-2304WK1	FD	2023-04-06 08:40 AM	EUT2	5801257011	Sampled	•				•		•	•	•	•	•	•
RHMW04	RHMW04-WGN01B-2304WK1	N	2023-04-06 08:40 AM	EUT2	5801257011	Sampled	•	•	•		•		•	•	•	•	•	•
RHMW04	RHMW04-WGN01B-2304WK1	N	2023-04-06 08:40 AM	EUTQ	5801257011	Sampled				•		•						
RHMW05	RHMW05-WGN01B-2304WK1	N	2023-04-04 10:05 AM	EUT2	5801256441	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•
RHMW05	RHMW05-WGN01B-2304WK1	N	2023-04-04 10:05 AM	EUTQ	5801256441	Sampled				•		•						
RHMW06	RHMW06-WGN01B-2304WK1	N	2023-04-06 02:05 PM	EUT2	5801257371	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•
RHMW06	RHMW06-WGN01B-2304WK1	N	2023-04-06 02:05 PM	EUTQ	5801257371	Sampled				•		•						
RHMW08	RHMW08-WGN01B-2304WK1	N	2023-04-06 11:20 AM	EUT2	5801257371	Sampled; No SGC	•	•	•		•		•	•	•	•	•	•

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI April 2023

Event ID: 1073

ID	Location	Type	Date/Time	Event	Sample ID	Status	1	2	3	4	5	6	7	8	9	10
RHMW08	RHMW08-WGN01B-2304WK1	N	2023-04-06 11:20 AM	EUTQ	5801257371	Sampled				•		•				
RHMW09	RHMW09-WGN01B-2304WK1	N	2023-04-03 08:15 AM	EUT2	5801254911	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW09	RHMW09-WGN01B-2304WK1	N	2023-04-03 08:15 AM	EUTQ	5801254911	Sampled				•		•				
RHMW13-05	RHMW13-05-WGN01G-2304WK1	N	2023-04-04 09:20 AM	EUT2	5801255791	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW13-05	RHMW13-05-WGN01G-2304WK1	N	2023-04-04 09:20 AM	EUTQ	5801255791	Sampled				•		•				
RHMW15-05	RHMW15-05-WGN01G-2304WK1	N	2023-04-06 09:00 AM	EUT2	5801257011	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW15-05	RHMW15-05-WGN01G-2304WK1	N	2023-04-06 09:00 AM	EUTQ	5801257011	Sampled				•		•				
RHMW16	RHMW16-WGN01LF-2304WK1	N	2023-04-03 12:16 PM	EUT2	5801254911	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW16	RHMW16-WGN01LF-2304WK1	N	2023-04-03 12:16 PM	EUTQ	5801254911	Sampled				•		•				
RHMW16	RHMW16-WGN01LF-2304WK4	N	2023-04-24 12:55 PM	EUT2	5801264231	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW16	RHMW16-WGN01LF-2304WK4	N	2023-04-24 12:55 PM	EUTQ	5801264231	Sampled				•		•				
RHMW17	RHMW17-WGN01B-2304WK1	N	2023-04-06 01:55 PM	EUT2	5801257371	Sampled	•	•	•		•		•	•	•	•
RHMW17	RHMW17-WGN01B-2304WK1	N	2023-04-06 01:55 PM	EUTQ	5801257371	Sampled				•		•				
RHMW19	RHMW19-WGN01B-2304WK1	N	2023-04-03 09:55 AM	EUT2	5801254911	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW19	RHMW19-WGN01B-2304WK1	N	2023-04-03 09:55 AM	EUTQ	5801254911	Sampled				•		•				
RHMW2254-01	RHMW2254-01-WGN01B-2304WK1	N	2023-04-05 09:00 AM	EUT2	5801256421	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01B-2304WK1	N	2023-04-05 09:00 AM	EUTQ	5801256421	Sampled				•		•				
RHMW2254-01	RHMW2254-01-WGN01LF-2304WK1	N	2023-04-05 10:00 AM	EUT2	5801256421	Sampled; No SGC	•	•	•		•		•	•	•	•
RHMW2254-01	RHMW2254-01-WGN01LF-2304WK1	N	2023-04-05 10:00 AM	EUTQ	5801256421	Sampled				•		•				

Status	Color
Status Not Determined	
Scheduled for Analysis; Awaiting Field Data	
Chain of Custody Data Loaded and Certified; Awaiting Lab Data	

Matrix Name	Matrix
Drinking Water	WP
Ground Water	WG

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI April 2023

Event ID: 1073

Laboratory Data Loaded and Certified; Awaiting Validation

Validation Qualifiers Finalized; Awaiting Approval

Approval Complete; Data In Production

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 May 2023
 Event ID: 1082

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-2305WK1	N	2023-05-01 12:30 PM	EUT2	5801267571	Sampled; No SGC	*	*	*	*	*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN01G-2305WK1	N	2023-05-01 12:30 PM	EUTQ	5801267571	Sampled				*	*					
RHMW11-05	RHMW11-05-WGN01G-2305WK3	N	2023-05-18 02:35 PM	EUT2	5801274711	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW11-05	RHMW11-05-WGN01G-2305WK3	N	2023-05-18 02:35 PM	EUTQ	5801274711	Sampled				*						
RHMW12A	RHMW12A-WGN01LF-2305WK1	N	2023-05-01 09:45 AM	EUT2	5801267031	Sampled; No SGC	*	*	*		*		*	*	*	*
RHMW12A	RHMW12A-WGN01LF-2305WK1	N	2023-05-01 09:45 AM	EUTQ	5801267031	Sampled				*	*					
RHMW14-03	RHMW14-03-WGN01G-2305WK1	N	2023-05-01 09:15 AM	EUT2	5801267571	Sampled; No SGC	*	*	*		*		*	*	*	*
RHMW14-03	RHMW14-03-WGN01G-2305WK1	N	2023-05-01 09:15 AM	EUTQ	5801267571	Sampled				*	*					
RHMW14-03	RHMW14-03-WGN01G-2305WK3	N	2023-05-17 09:05 AM	EUT2	5801273931	Sampled; No SGC	*	*	*		*	*	*	*	*	*
RHMW14-03	RHMW14-03-WGN01G-2305WK3	N	2023-05-17 09:05 AM	EUTQ	5801273931	Sampled				*						
OWDFMW01	OWDFMW01-WGN01LF-2305WK1	N	2023-05-04 10:00 AM	EUT2	5801268921	Sampled; No SGC	*	*	*		*		*	*	*	*
OWDFMW01	OWDFMW01-WGN01LF-2305WK1	N	2023-05-04 10:00 AM	EUTQ	5801268921	Sampled				*	*					
OWDFMW04A	OWDFMW04A-WGFD01LF-2305WK1	FD	2023-05-02 11:40 AM	EUT2	5801268371	Sampled; No SGC	*				*		*	*	*	*
OWDFMW04A	OWDFMW04A-WGFD01LF-2305WK3	FD	2023-05-17 12:00 PM	EUT2	5801273931	Sampled; No SGC	*				*		*	*	*	*
OWDFMW04A	OWDFMW04A-WGN01LF-2305WK1	N	2023-05-02 11:40 AM	EUT2	5801268371	Sampled; No SGC	*	*	*		*		*	*	*	*
OWDFMW04A	OWDFMW04A-WGN01LF-2305WK1	N	2023-05-02 11:40 AM	EUTQ	5801268371	Sampled				*	*					
OWDFMW04A	OWDFMW04A-WGN01LF-2305WK3	N	2023-05-17 12:00 PM	EUT2	5801273931	Sampled; No SGC	*	*	*		*	*	*	*	*	*

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI May 2023

Event ID: 1082

OWDFMW04A	OWDFMW04A-WGN01LF-2305WK3	N	2023-05-17 12:00 PM	EUTQ	5801273931	Sampled					*								
OWDFMW05A	OWDFMW05A-WGN01LF-2305WK1	N	2023-05-02 09:40 AM	EUT2	5801267621	Sampled; No SGC	*	*	*		*		*	*	*	*	*	*	*
OWDFMW05A	OWDFMW05A-WGN01LF-2305WK1	N	2023-05-02 09:40 AM	EUTQ	5801267621	Sampled				*		*							
OWDFMW05A	OWDFMW05A-WGN01LF-2305WK3	N	2023-05-17 08:50 AM	EUT2	5801273931	Sampled; No SGC	*	*	*		*	*	*	*	*	*	*	*	*
OWDFMW05A	OWDFMW05A-WGN01LF-2305WK3	N	2023-05-17 08:50 AM	EUTQ	5801273931	Sampled				*									
OWDFMW07A	OWDFMW07A-WGN01LF-2305WK1	N	2023-05-01 10:25 AM	EUT2	5801267031	Sampled	*	*	*		*		*				*	*	*
OWDFMW07A	OWDFMW07A-WGN01LF-2305WK1	N	2023-05-01 10:25 AM	EUT2	5801267031	Sampled											*	*	*
OWDFMW07A	OWDFMW07A-WGN01LF-2305WK1	N	2023-05-01 10:25 AM	EUTQ	5801267031	Sampled				*		*							
OWDFMW08A	OWDFMW08A-WGFD01LF-2305WK1	FD	2023-05-01 01:00 PM	EUT2	5801267571	Sampled; No SGC	*	*	*		*		*	*	*	*	*	*	*
OWDFMW08A	OWDFMW08A-WGN01LF-2305WK1	N	2023-05-01 01:00 PM	EUT2	5801267571	Sampled	*	*	*		*		*				*	*	*
OWDFMW08A	OWDFMW08A-WGN01LF-2305WK1	N	2023-05-01 01:00 PM	EUT2	5801267571	Sampled											*	*	*
OWDFMW08A	OWDFMW08A-WGN01LF-2305WK1	N	2023-05-01 01:00 PM	EUTQ	5801267571	Sampled				*		*							
RHMW01R	RHMW01R-WGN01B-2305WK1	N	2023-05-02 10:00 AM	EUT2	5801267621	Sampled	*	*	*		*		*	*	*	*	*	*	*
RHMW01R	RHMW01R-WGN01B-2305WK1	N	2023-05-02 10:00 AM	EUTQ	5801267621	Sampled				*		*							
RHMW02	RHMW02-WGN01B-2305WK1	N	2023-05-02 10:55 AM	EUT2	5801267621	Sampled	*	*	*		*		*	*	*	*	*	*	*
RHMW02	RHMW02-WGN01B-2305WK1	N	2023-05-02 10:55 AM	EUTQ	5801267621	Sampled				*		*							
RHMW03	RHMW03-WGN01B-2305WK1	N	2023-05-02 11:45 AM	EUT2	5801268371	Sampled	*	*	*		*		*	*	*	*	*	*	*
RHMW03	RHMW03-WGN01B-2305WK1	N	2023-05-02 11:45 AM	EUTQ	5801268371	Sampled				*		*							
RHMW03	RHMW03-WGN01B-2305WK3	N	2023-05-16 12:40 PM	EUT2	5801273931	Sampled	*	*	*		*	*	*	*	*	*	*	*	*
RHMW03	RHMW03-WGN01B-2305WK3	N	2023-05-16 12:40 PM	EUTQ	5801273931	Sampled				*									
RHMW04	RHMW04-WGFD01B-2305WK2	FD	2023-05-11 11:30 AM	EUT2	5801271711	Sampled; No SGC	*	*	*		*		*	*	*	*	*	*	*
RHMW04	RHMW04-WGN01B-2305WK2	N	2023-05-11 11:30 AM	EUT2	5801271711	Sampled; No SGC	*	*	*		*		*	*	*	*	*	*	*
RHMW04	RHMW04-WGN01B-2305WK2	N	2023-05-11 11:30 AM	EUTQ	5801271711	Sampled				*		*							
RHMW05	RHMW05-WGN01B-2305WK1	N	2023-05-02 09:05 AM	EUT2	5801267621	Sampled; No SGC	*	*	*		*		*	*	*	*	*	*	*
RHMW05	RHMW05-WGN01B-2305WK1	N	2023-05-02 09:05 AM	EUTQ	5801267621	Sampled				*		*							
RHMW05	RHMW05-WGN01B-2305WK3	N	2023-05-16 09:10 AM	EUT2	5801273931	Sampled; No SGC	*	*	*		*	*	*	*	*	*	*	*	*

Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI May 2023

Event ID: 1082

ID	Sample ID	Matrix	Date	Time	Location	Sample No.	Status	SGC	1	2	3	4	5	6	7	8	9	10
RHMW05	RHMW05-WGN01B-2305WK3	N	2023-05-16	09:10 AM	EUTQ	5801273931	Sampled											
RHMW08	RHMW08-WGN01B-2305WK2	N	2023-05-11	08:45 AM	EUT2	5801271711	Sampled		*	*	*		*		*	*	*	*
RHMW08	RHMW08-WGN01B-2305WK2	N	2023-05-11	08:45 AM	EUTQ	5801271711	Sampled					*		*				
RHMW09	RHMW09-WGN01B-2305WK1	N	2023-05-03	08:40 AM	EUT2	5801268371	Sampled; No SGC	*	*	*		*		*			*	*
RHMW09	RHMW09-WGN01B-2305WK1	N	2023-05-03	08:40 AM	EUTQ	5801268371	Sampled				*		*					
RHMW13-05	RHMW13-05-WGN01G-2305WK1	N	2023-05-02	09:10 AM	EUT2	5801267571	Sampled; No SGC	*	*	*		*		*			*	*
RHMW13-05	RHMW13-05-WGN01G-2305WK1	N	2023-05-02	09:10 AM	EUTQ	5801267571	Sampled				*		*					
RHMW15-05	RHMW15-05-WGN01G-2305WK1	N	2023-05-04	09:20 AM	EUT2	5801268921	Sampled; No SGC	*	*	*		*		*			*	*
RHMW15-05	RHMW15-05-WGN01G-2305WK1	N	2023-05-04	09:20 AM	EUTQ	5801268921	Sampled				*		*					
RHMW15-05	RHMW15-05-WGN01G-2305WK2	N	2023-05-11	09:50 AM	EUT2	5801271711	Sampled; No SGC	*	*	*		*		*			*	*
RHMW15-05	RHMW15-05-WGN01G-2305WK2	N	2023-05-11	09:50 AM	EUTQ	5801271711	Sampled				*		*					
RHMW16	RHMW16-WGN01LF-2305WK1	N	2023-05-01	12:15 PM	EUT2	5801267031	Sampled; No SGC	*	*	*		*		*			*	*
RHMW16	RHMW16-WGN01LF-2305WK1	N	2023-05-01	12:15 PM	EUTQ	5801267031	Sampled				*		*					
RHMW17	RHMW17-WGN01B-2305WK1	N	2023-05-04	08:40 AM	EUT2	5801268921	Sampled	*	*	*		*		*		*	*	*
RHMW17	RHMW17-WGN01B-2305WK1	N	2023-05-04	08:40 AM	EUTQ	5801268921	Sampled				*		*					
RHMW19	RHMW19-WGN01B-2305WK1	N	2023-05-03	10:25 AM	EUT2	5801268371	Sampled; No SGC	*	*	*		*		*			*	*
RHMW19	RHMW19-WGN01B-2305WK1	N	2023-05-03	10:25 AM	EUTQ	5801268371	Sampled				*		*					
RHMW2254-01	RHMW2254-01-WGN01B-2305WK1	N	2023-05-04	11:00 AM	EUT2	5801268921	Sampled; No SGC	*	*	*		*		*			*	*
RHMW2254-01	RHMW2254-01-WGN01B-2305WK1	N	2023-05-04	11:00 AM	EUTQ	5801268921	Sampled				*		*					
RHMW2254-01	RHMW2254-01-WGN01LF-2305WK1	N	2023-05-04	12:00 PM	EUT2	5801268921	Sampled; No SGC	*	*	*		*		*			*	*
RHMW2254-01	RHMW2254-01-WGN01LF-2305WK1	N	2023-05-04	12:00 PM	EUTQ	5801268921	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	

Matrix Name	Matrix
Drinking Water	WP
Ground Water	WG

Sampling Method	Code
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Event Status Report

RHS Recovery and Monitoring

RHS RM UFP-QAPP

Event Name: RH NOI May 2023

Event ID: 1082

Approval Complete; Data In Production

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.

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 June 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
18-Apr-23				83.69	18.07	0	86.63	17.97	0	103.05	17.85	0	83.30	18.01	0
16-May-23				83.68	18.08	0	87.58	17.02	0	102.81	18.09	0	83.34	17.97	0
19-Jun-23				83.57	18.19	0	86.49	18.11	0	102.73	18.17	0	83.14	18.17	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 December 8, 2021

DATE	TIME	RHMW01							
		AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft btoc)	WLM SN	Correction Factor (ft)	Corrected DTW ² (ft btoc)	PRODUCT? (Yes/No)	THICKNESS (ft)
5/12/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
5/13/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
5/15/2021	11:11	5.158	3.902	83.97	NA	NA	83.97	No	NA
5/16/2021	11:05	4.483	3.508	83.87	NA	NA	83.87	No	NA
5/17/2021	13:10	5.415	5.100	83.96	NA	NA	83.96	No	NA
5/18/2021	13:07	2.53	2.15	83.95	NA	NA	83.95	No	NA
5/19/2021	08:56	2.482	2.165	83.99	NA	NA	83.99	No	NA
5/19/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
5/20/2021	09:39	1.476	1.290	84.00	NA	NA	84.00	No	NA
5/20/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
5/21/2021	07:24	1.562	1.378	84.03	NA	NA	84.03	No	NA
5/21/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
5/22/2021	07:45	3.440	3.202	84.05	NA	NA	84.05	No	NA
5/23/2021	06:26	1.322	1.188	83.96	NA	NA	83.96	No	NA
5/24/2021	08:00	1.333	1.171	83.89	NA	NA	83.89	No	NA
5/24/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
5/25/2021	08:42	1.023	0.829	83.96	NA	NA	83.96	No	NA
5/25/2021	-	-	-	-	-	-	-	-	-
5/25/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
5/26/2021	07:24	1.898	1.697	83.95	NA	NA	83.95	No	NA
5/27/2021	10:08	3.978	2.650	84.03	NA	NA	84.03	No	NA
5/27/2021	-	-	-	-	-	-	-	-	-
5/28/2021	09:12	3.146	2.117	84.03	NA	NA	84.03	No	NA
5/29/2021	07:47	3.188	2.736	84.01	NA	NA	84.01	No	NA
5/30/2021	06:46	1.143	1.029	84.02	NA	NA	84.02	No	NA
5/31/2021	11:03	1.006	0.668	84.02	NA	NA	84.02	No	NA
6/1/2021	06:41	0.850	0.805	84.02	NA	NA	84.02	No	NA
6/2/2021	06:08	1.008	0.580	84	NA	NA	84.00	No	NA
6/3/2021	08:39	2.507	1.855	84.04	NA	NA	84.04	No	NA
6/4/2021	08:54	1.202	0.831	83.98	NA	NA	83.98	No	NA
6/5/2021	13:09	0.633	0.277	83.89	NA	NA	83.89	No	NA
6/6/2021	07:18	0.686	0.574	83.97	NA	NA	83.97	No	NA
6/7/2021	08:05	0.677	0.497	84.00	NA	NA	84.00	No	NA
6/8/2021	07:42	0.814	0.709	83.96	NA	NA	83.96	No	NA
6/9/2021	08:14	0.889	0.737	84.03	NA	NA	84.03	No	NA
6/11/2021	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1	NC1
6/17/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
6/24/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
6/28/2021	09:26	1.694	1.483	84.08	NA	NA	84.08	No	NA
6/30/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
7/6/2021	14:24	0.773	0.197	83.97	NA	NA	83.97	No	NA
7/8/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
7/12/2021 (see note)	08:56	19.010	19.680	84.15	NA	NA	84.15	No	NA
7/15/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
7/19/2021	13:22	0.960	0.385	84.15	NA	NA	84.15	No	NA
7/22/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
7/26/2021	07:45	0.338	0	83.91	NA	NA	83.91	No	NA
7/29/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
8/2/2021	NC	NC	NC	NC3	NC3	NC3	NC3	NC3	NC3
8/5/2021	07:10	0.11 (see note)	0.038 (see note)	NC3	NC3	NC3	NC3	NC3	NC3
8/9/2021	07:35	0.315	0.318	NC3	NC3	NC3	NC3	NC3	NC3
8/12/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
8/16/2021	11:39	0.418	0.386	NC3	NC3	NC3	NC3	NC3	NC3
8/19/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
8/23/2021	15:15	0.795	0.746	NC3	NC3	NC3	NC3	NC3	NC3
8/26/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
8/30/2021	10:51	1.032	0.93	NC3	NC3	NC3	NC3	NC3	NC3
9/1/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
9/7/2021	12:10	0.135	0.107	NC3	NC3	NC3	NC3	NC3	NC3
9/8/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
9/13/2021	10:58	0.195	0.181	NC3	NC3	NC3	NC3	NC3	NC3
9/15/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
9/20/2021	NC	NC	NC	NC3	NC3	NC3	NC3	NC3	NC3
9/22/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
9/23/2021	09:38	0.267	0.207	NC3	NC3	NC3	NC3	NC3	NC3
9/27/2021	08:02	0.120	0.125	NC3	NC3	NC3	NC3	NC3	NC3
9/29/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
10/4/2021	15:24	0.956	0.952	NC3	NC3	NC3	NC3	NC3	NC3
10/6/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
10/12/2021	12:11	0.139	0.129	NC3	NC3	NC3	NC3	NC3	NC3
10/13/2021	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2	NC2
10/20/2021	10:28	0.0	0.0	84.37	N-1	-0.01	84.36	No	NA
10/27/2021	09:35	0.1	0.1	84.42	N-1	-0.01	84.41	No	NA
11/3/2021	10:20	0.0	0.0	NC3	NC3	NC3	NC3	NC3	NC3
11/10/2021	11:40	0.0	0.1	NC3	NC3	NC3	NC3	NC3	NC3
11/17/2021	11:35	0.0	0.0	NC3	NC3	NC3	NC3	NC3	NC3
11/24/2021	10:05	0.0	0.0	NC3	NC3	NC3	NC3	NC3	NC3
12/1/2021	10:40	0.2	0.2	NC3	NC3	NC3	NC3	NC3	NC3
12/8/2021	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)

Additional Sampling 09/29/2021-10/04/2021										
Well Name	Date	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft btoc)	WLM SN	Correction Factor (ft)	Corrected DTW ^a (ft btoc)	PRODUCT? (Yes/No)	THICKNESS (ft)
RHMW05	9/29/2021	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	10/1/2021	08:25	0.0	9.0 ^(b)	294.59	N-2	-0.06	294.53	No	NA
RHMW06	10/1/2021	10:00	0.0	0.0	241.76	N-2	-0.04	241.72	No	NA
RHMW16	10/1/2021	11:25	0.0	0.0	202.46	N-2	-0.03	202.43	No	NA
OWDFMW01	10/1/2021	12:38	0.0	0.0	120.70	N-2	-0.05	120.65	No	NA
RHMW12A	10/4/2021	09:04	0.0	0.1	221.41	N-2	-0.03	221.38	No	NA

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.

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.
^c measured with oil/water probe

***Appendix B.2.3 – Summary of NOI and Delineation Well Free Product Gauging and Monitoring Well
Headspace Measurements from November 28, 2021 through July 7, 2023***

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 202110507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Monitoring Well Headspace and Fuel Product Gauging

RHMW01R									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW ² (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
12/1/2021	10:35	0.2	0.0	83.83	N-1	-0.07	83.76	No	NA
12/8/2021	10:52	0.1	0.3	83.45	N-1	-0.07	83.38	No	NA
12/15/2021	13:00	0.0	0.1	83.28	N-1	-0.07	83.21	No	NA
12/20/2021	11:03	0.0	0.0	83.20	N-1	-0.07	83.13	No	NA
12/27/2021	11:23	0.2	9.8	83.18	N-1	-0.07	83.11	No	NA
2022-01-03	11:35	0.0	287.7	82.99	N-1	-0.07	82.92	No	NA
2022-01-10	11:35	0.0	0.0	82.86	N-1	-0.07	82.79	No	NA
2022-01-17	11:13	0.0	0.0	82.77	N-1	-0.07	82.70	No	NA
2022-01-24	12:16	0.2	0.1	82.83	N-1	-0.07	82.76	No	NA
2022-02-03	09:08	0.1	0.0	83.23	N-1	-0.07	83.16	Yes ²	0.01 ²
2022-02-10	08:55	0.0	0.0	83.21	N-2	-0.07	83.14	No	NA
2022-02-16	11:08	0.4	0.0	83.25	N-2	-0.07	83.18	No	NA
2022-02-23	08:50	0.0	0.0	83.26	N-1	-0.07	83.19	No	NA
2022-03-02	11:27	0.0	0.0	83.28 ³	01-5920	0.00	83.28 ³	Yes ²	0.01 ²
2022-03-08	08:48	0.0	0.0	83.31	N-3	-0.11	83.20	No	NA
2022-03-15	10:05	0.0	0.0	83.36	N-4	-0.14	83.22	No	NA
2022-03-22	09:50	0.0	0.0	83.32	N-3	-0.11	83.21	No	NA
2022-03-31	11:45	0.0	0.0	83.31	N-4	-0.14	83.17	No	NA
2022-04-05	09:47	0.2	0.0	83.26	N-4	-0.14	83.12	No	NA
2022-04-26	09:45	0.0	0.0	83.28	N-4	-0.14	83.14	No	NA
2022-05-03	09:45	0.1	0.0	83.27	N-4	-0.14	83.13	No	NA
2022-05-09	08:50	0.4	0.0	83.27	N-4	-0.14	83.13	No	NA
2022-05-17	09:45	0.0	0.0	83.23	N-3	-0.11	83.12	No	NA
2022-05-24	09:20	0.0	0.0	83.24	N-4	-0.14	83.10	No	NA
2022-05-31	10:33	0.0	0.0	83.24	N-4	-0.14	83.10	No	NA
2022-06-07	09:41	0.0	0.0	83.30	N-3	-0.11	83.19	No	NA
2022-06-14	09:45	0.1	0.0	83.31	N-3	-0.11	83.20	No	NA
2022-06-21	10:05	0.0	0.0	83.31	N-1	-0.07	83.24	No	NA
2022-06-29	09:18	0.1	0.0	83.43	N-4	-0.14	83.29	No	NA
2022-07-06	09:35	0.2	0.0	83.42	N-4	-0.14	83.28	No	NA
2022-07-12	09:36	0.2	0.0	83.49	N-4	-0.14	83.35	No	NA
2022-08-02	10:20	0.0	0.0	83.57	N-4	-0.14	83.43	No	NA
2022-08-09	09:37	0.0	0.0	83.64	N-4	-0.14	83.50	No	NA
2022-08-16	09:34	0.1	0.0	83.65	N-4	-0.14	83.51	No	NA
2022-08-23	09:55	0.0	0.0	83.72	N-4	-0.14	83.58	No	NA
2022-08-30	10:25	0.0	0.0	83.81	N-4	-0.14	83.67	No	NA
2022-09-06	11:15	0.1	0.0	83.76	N-3	-0.11	83.65	No	NA
2022-09-13	10:20	0.1	0.2	83.82	N-3	-0.11	83.71	No	NA
2022-09-20	11:25	0.1	0.0	83.79	01-8854	-0.07	83.72	No	NA
2022-09-27	10:55	0.0	0.0	83.78	N-3	-0.11	83.67	No	NA
2022-10-04	09:52	0.1	0.1	83.85	N-4	-0.14	83.71	No	NA
2022-10-18	10:23	0.0	0.0	83.84	N-3	-0.11	83.73	No	NA
2022-10-20	10:09	0.0	0.2	83.85	N-4	-0.14	83.71	No	NA
2022-10-25	15:15	0.0	0.0	83.85	N-3	-0.11	83.74	No	NA
2022-10-27	11:45	0.0	0.0	83.78	N-3	-0.11	83.67	No	NA
2022-11-01	09:45	0.0	0.0	83.81	N-6	-0.12	83.69	No	NA
2022-11-03	09:55	0.0	0.0	83.87	N-3	-0.11	83.76	No	NA
2022-11-08	09:58	0.0	0.0	83.71	N-3	-0.11	83.60	No	NA
2022-11-10	10:00	0.0	0.0	83.78	N-3	-0.11	83.67	No	NA
2022-11-15	10:03	0.0	0.0	83.87	N-3	-0.11	83.76	No	NA
2022-11-17	09:05	0.0	0.0	83.82	N-6	-0.12	83.70	No	NA
2022-11-20	09:48	0.0	0.0	83.75	N-5	-0.06	83.69	No	NA
2022-11-22	09:30	0.0	0.0	83.83	N-3	-0.11	83.72	No	NA
2022-11-29	09:45	0.1	0.0	83.69	N-6	-0.12	83.57	No	NA
2022-12-20	10:49	0.0	0.0	83.63	N-5	-0.06	83.57	No	NA
2022-12-28	09:53	0.0	0.0	83.72	N-5	-0.06	83.66	No	NA
2023-01-04	09:28	0.0	0.0	83.69	N-5	-0.06	83.63	No	NA
2023-01-10	09:46	0.0	0.0	83.78	N-3	-0.11	83.67	No	NA
2023-01-17	10:25	0.0	0.0	83.72	N-5	-0.06	83.66	No	NA
2023-01-24	10:27	0.1	0.0	83.84	N-4	-0.14	83.70	No	NA
2023-02-14	10:44	0.0	0.0	83.73	N-4	-0.14	83.59	No	NA
2023-02-21	10:52	0.0	0.0	83.76	N-4	-0.14	83.62	No	NA
2023-02-28	09:38	0.0	0.0	83.66	N-5	-0.06	83.60	No	NA
2023-03-07	11:37	0.0	0.0	83.60	N-4	-0.14	83.46	No	NA
2023-03-14	10:20	0.0	0.0	83.60	N-6	-0.12	83.48	No	NA
2023-03-21	10:50	0.0	0.0	83.63	N-5	-0.06	83.57	No	NA
2023-03-28	10:16	0.0	0.0	83.67	N-4	-0.14	83.53	No	NA
2023-04-04	11:06	0.0	0.0	83.74	N-4	-0.14	83.60	No	NA
2023-04-25	09:50	0.0	0.0	83.68	N-5	-0.06	83.62	No	NA
2023-05-02	09:38	0.0	0.0	83.67	N-3	-0.11	83.56	No	NA
2023-05-09	09:53	0.0	0.0	83.66	N-6	-0.12	83.54	No	NA
2023-05-16	09:48	0.0	0.0	83.69	N-4	-0.14	83.55	No	NA
2023-05-23	09:46	0.0	0.0	83.50	N-3	-0.11	83.39	No	NA
2023-05-31	09:32	0.0	0.0	83.69	N-4	-0.14	83.55	No	NA
2023-06-06	10:33	0.0	0.0	83.50	N-3	-0.11	83.39	No	NA
2023-06-15	08:55	0.0	0.0	83.72	N-3	-0.11	83.61	No	NA
2023-06-19	09:43	0.0	0.0	83.54	N-3	-0.11	83.43	No	NA
2023-07-07	13:07	0.0	0.0	83.50	N-3	-0.11	83.39	No	NA

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

RHHW02									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (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*	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
2022-01-10	13:37	0.0	0.0	85.76	N-1	-0.07	85.69	No	NA
2022-01-17	12:26	0.0	0.0	85.68	N-1	-0.07	85.61	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	13:15	0.2	0.0	86.19 ³	01-5920	-0.06	86.13 ³	No	NA
2022-03-08	09:56	0.0	0.0	86.22	N-3	-0.11	86.11	No	NA
2022-03-15	11:35	0.0	0.0	86.26	N-4	-0.14	86.12	No	NA
2022-03-22	11:15	0.0	0.0	86.23	N-3	-0.11	86.12	No	NA
2022-03-31	10:40	0.0	0.0	86.23	N-4	-0.14	86.09	No	NA
2022-04-05	11:20	0.0	0.0	86.16	N-4	-0.14	86.02	No	NA
2022-04-26	10:50	0.0	0.0	86.18	N-4	-0.14	86.04	No	NA
2022-05-03	11:05	0.0	0.0	86.18	N-4	-0.14	86.04	No	NA
2022-05-09	12:05	0.0	0.0	86.15	N-4	-0.14	86.01	No	NA
2022-05-17	10:55	0.0	0.0	86.14	N-3	-0.11	86.03	No	NA
2022-05-24	10:25	0.0	0.0	86.14	N-4	-0.14	86.00	No	NA
2022-05-31	11:48	0.0	0.0	86.13	N-4	-0.14	85.99	No	NA
2022-06-07	10:48	0.0	0.0	86.15	N-3	-0.11	86.04	No	NA
2022-06-14	10:55	0.0	0.0	86.22	N-3	-0.11	86.11	No	NA
2022-06-21	11:20	0.0	0.0	86.18	N-1	-0.07	86.11	No	NA
2022-06-29	10:12	0.0	0.0	86.34	N-4	-0.14	86.20	No	NA
2022-07-06	10:30	0.0	0.0	86.36	N-4	-0.14	86.22	No	NA
2022-07-12	10:51	0.0	0.0	86.40	N-4	-0.14	86.26	No	NA
2022-08-02	11:25	0.0	0.0	86.50	N-4	-0.14	86.36	No	NA
2022-08-09	11:02	0.0	0.0	86.54	N-4	-0.14	86.40	No	NA
2022-08-16	10:46	0.0	0.0	86.54	N-4	-0.14	86.40	No	NA
2022-08-23	11:00	0.0	0.0	86.63	N-4	-0.14	86.49	No	NA
2022-08-30	11:40	0.0	0.0	86.70	N-4	-0.14	86.56	No	NA
2022-09-06	12:40	0.1	0.0	86.65	N-3	-0.11	86.54	No	NA
2022-09-13	11:15	0.0	0.4	86.66	N-3	-0.11	86.55	No	NA
2022-09-20	10:08	0.0	0.0	86.72	01-8854	-0.12	86.60	No	NA
2022-09-27	12:08	0.0	0.0	86.69	N-3	-0.11	86.58	No	NA
2022-10-04	11:37	0.1	0.1	86.75	N-4	-0.14	86.61	No	NA
2022-10-18	11:37	0.0	0.0	86.73	N-3	-0.11	86.62	No	NA
2022-10-20	11:58	0.0	0.1	86.74	N-4	-0.14	86.60	No	NA
2022-10-25	16:30	0.0	0.0	86.76	N-3	-0.11	86.65	No	NA
2022-10-27	12:05	0.0	0.0	86.69	N-3	-0.11	86.58	No	NA
2022-11-01	11:05	0.0	0.4	86.70	N-6	-0.12	86.58	No	NA
2022-11-03	11:15	0.0	0.0	86.75	N-3	-0.11	86.64	No	NA
2022-11-08	11:00	0.0	0.1	86.63	N-3	-0.11	86.52	No	NA
2022-11-10	11:09	0.1	0.0	86.67	N-3	-0.11	86.56	No	NA
2022-11-15	11:20	0.0	0.0	86.70	N-3	-0.11	86.59	No	NA
2022-11-17	09:57	0.0	0.0	86.71	N-6	-0.12	86.59	No	NA
2022-11-20	10:45	0.0	0.3	86.67	N-5	-0.06	86.61	No	NA
2022-11-22	10:15	0.0	0.0	86.73	N-3	-0.11	86.62	No	NA
2022-11-29	10:35	0.1	0.0	86.60	N-6	-0.12	86.48	No	NA
2022-12-20	11:45	0.0	0.0	86.54	N-5	-0.06	86.48	No	NA
2022-12-28	11:02	0.0	0.0	86.56	N-5	-0.06	86.50	No	NA
2023-01-04	10:26	0.0	0.0	86.61	N-5	-0.06	86.55	No	NA
2023-01-10	10:48	0.0	0.0	86.69	N-3	-0.11	86.58	No	NA
2023-01-17	11:32	0.0	0.0	86.61	N-5	-0.06	86.55	No	NA
2023-01-24	11:33	0.0	0.0	86.74	N-4	-0.14	86.60	No	NA
2023-02-14	11:48	0.0	0.0	86.67	N-4	-0.14	86.53	No	NA
2023-02-21	12:02	0.0	0.0	86.65	N-4	-0.14	86.51	No	NA
2023-02-28	10:35	0.0	0.0	86.56	N-5	-0.06	86.50	No	NA
2023-03-07	13:21	0.0	2.6	86.51	N-4	-0.14	86.37	No	NA
2023-03-14	11:35	0.0	0.0	86.51	N-6	-0.12	86.39	No	NA
2023-03-21	11:55	0.0	0.0	86.53	N-5	-0.06	86.47	No	NA
2023-03-28	11:41	0.0	0.0	86.59	N-4	-0.14	86.45	No	NA
2023-04-04	12:35	0.0	0.0	86.64	N-4	-0.14	86.50	No	NA
2023-04-25	10:50	0.0	0.0	86.57	N-5	-0.06	86.51	No	NA
2023-05-02	10:30	0.0	0.0	86.54	N-3	-0.11	86.43	No	NA
2023-05-09	10:53	0.0	0.0	86.55	N-6	-0.12	86.43	No	NA
2023-05-16	10:50	0.0	0.0	86.62	N-4	-0.14	86.48	No	NA
2023-05-23	10:52	0.0	0.0	86.42	N-3	-0.11	86.31	No	NA
2023-05-31	10:39	0.0	0.0	86.60	N-4	-0.14	86.46	No	NA
2023-06-06	11:55	0.0	0.0	86.43	N-3	-0.11	86.32	No	NA
2023-06-15	12:50	0.0	0.0	86.59	N-3	-0.11	86.48	No	NA
2023-06-19	10:46	0.0	0.0	86.49	N-3	-0.11	86.38	No	NA
2023-07-05	09:15	0.0	0.0	86.86	N-3	-0.11	86.75	No	NA

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 (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (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
2022-01-03	14:20	0.0	322.9	102.10	N-1	-0.05	102.05	No	NA
2022-01-10	15:11	0.0	0.0	102.01	N-1	-0.05	101.96	No	NA
2022-01-17	13:34	0.0	0.0	101.92	N-1	-0.05	101.87	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	14:55	0.0	0.0	102.41 ^b	01-5920	-0.04	102.37 ^b	No	NA
2022-03-08	11:10	0.0	0.0	102.42	N-3	-0.10	102.32	No	NA
2022-03-15	12:30	0.0	0.0	102.48	N-4	-0.13	102.35	No	NA
2022-03-22	12:15	0.0	0.0	102.46	N-3	-0.10	102.36	No	NA
2022-03-31	08:30	0.0	0.0	102.46	N-4	-0.13	102.33	No	NA
2022-04-05	12:23	0.0	0.0	102.41	N-4	-0.13	102.28	No	NA
2022-04-26	12:00	0.0	0.0	102.41	N-4	-0.13	102.28	No	NA
2022-05-03	12:25	0.0	0.0	102.41	N-4	-0.13	102.28	No	NA
2022-05-09	13:30	0.0	0.0	102.39	N-4	-0.13	102.26	No	NA
2022-05-17	11:50	0.0	0.0	102.37	N-3	-0.10	102.27	No	NA
2022-05-24	11:11	0.0	0.0	102.39	N-4	-0.13	102.26	No	NA
2022-05-31	12:37	0.0	0.1	102.39	N-4	-0.13	102.26	No	NA
2022-06-07	11:44	0.0	0.0	102.37	N-3	-0.10	102.27	No	NA
2022-06-14	12:00	0.0	0.0	102.49	N-3	-0.10	102.39	No	NA
2022-06-21	12:10	0.0	0.0	102.40	N-1	-0.05	102.35	No	NA
2022-06-29	11:08	0.0	0.0	102.79	N-4	-0.13	102.66	No	NA
2022-07-06	11:18	0.0	0.0	102.57	N-4	-0.13	102.44	No	NA
2022-07-12	11:42	0.0	0.0	102.62	N-4	-0.13	102.49	No	NA
2022-08-02	12:18	0.0	0.0	102.70	N-4	-0.13	102.57	No	NA
2022-08-09	12:33	0.0	0.0	102.76	N-4	-0.13	102.63	No	NA
2022-08-16	11:40	0.0	0.0	102.80	N-4	-0.13	102.67	No	NA
2022-08-23	12:12	0.0	0.0	102.85	N-4	-0.13	102.72	No	NA
2022-08-30	13:00	0.0	0.0	102.92	N-4	-0.13	102.79	Yes ^c	0.0
2022-09-06	13:45	0.1	18.0	102.85	N-3	-0.10	102.75	No	NA
2022-09-13	12:16	0.0	2.7	102.88	N-3	-0.10	102.78	No	NA
2022-09-20	08:35	0.0	5.6	102.95	01-8854	-0.13	102.82	No	NA
2022-09-27	13:50	0.0	0.0	102.90	N-3	-0.10	102.80	No	NA
2022-10-04	12:41	0.1	1.3	102.97	N-4	-0.13	102.84	No	NA
2022-10-18	12:37	0.0	0.0	102.92	N-3	-0.10	102.82	No	NA
2022-10-20	12:57	0.0	0.0	102.96	N-4	-0.13	102.83	No	NA
2022-10-25	17:32	0.0	0.0	103.00	N-3	-0.10	102.90	No	NA
2022-10-27	13:12	0.0	0.0	102.91	N-3	-0.10	102.81	No	NA
2022-11-01	12:45	0.0	0.0	102.93	N-6	-0.10	102.83	No	NA
2022-11-03	12:32	0.0	0.4	102.95	N-3	-0.10	102.85	No	NA
2022-11-08	11:55	0.0	0.0	102.85	N-3	-0.10	102.75	No	NA
2022-11-10	12:20	0.0	0.0	102.88	N-3	-0.10	102.78	No	NA
2022-11-15	12:20	0.0	0.0	102.96	N-3	-0.10	102.86	No	NA
2022-11-17	10:45	0.0	0.0	102.95	N-6	-0.10	102.85	No	NA
2022-11-20	11:40	0.0	0.0	102.88	N-5	-0.05	102.83	No	NA
2022-11-22	11:03	0.0	0.0	102.95	N-3	-0.10	102.85	No	NA
2022-11-29	11:20	0.0	0.0	102.81	N-6	-0.10	102.71	No	NA
2022-12-20	12:42	0.0	0.0	102.76	N-5	-0.05	102.71	No	NA
2022-12-28	11:53	0.0	0.0	102.77	N-5	-0.05	102.72	No	NA
2023-01-04	11:23	0.0	0.0	102.83	N-5	-0.05	102.78	No	NA
2023-01-10	11:38	0.0	0.0	102.93	N-3	-0.10	102.83	No	NA
2023-01-17	12:22	0.0	0.0	102.84	N-5	-0.05	102.79	No	NA
2023-01-24	12:34	0.0	0.0	102.98	N-4	-0.13	102.85	No	NA
2023-02-14	12:38	0.0	0.0	102.85	N-4	-0.13	102.72	No	NA
2023-02-21	13:13	0.0	0.0	102.86	N-4	-0.13	102.73	No	NA
2023-02-28	11:33	0.0	0.0	102.82	N-5	-0.05	102.77	No	NA
2023-03-07	14:19	0.0	3.1	102.73	N-4	-0.13	102.60	No	NA
2023-03-14	12:42	0.0	0.0	102.73	N-6	-0.10	102.63	No	NA
2023-03-21	13:29	0.0	0.0	102.74	N-5	-0.05	102.69	No	NA
2023-03-28	13:10	0.0	0.0	102.79	N-4	-0.13	102.66	No	NA
2023-04-04	14:20	0.0	0.0	102.85	N-4	-0.13	102.72	No	NA
2023-04-25	11:45	0.0	0.0	102.79	N-5	-0.05	102.74	No	NA
2023-05-02	11:25	0.0	0.0	102.75	N-3	-0.10	102.65	No	NA
2023-05-09	11:53	0.0	0.0	102.79	N-6	-0.10	102.69	No	NA
2023-05-16	11:55	0.0	0.0	102.82	N-4	-0.13	102.69	No	NA
2023-05-23	11:53	0.0	0.0	102.64	N-3	-0.10	102.54	No	NA
2023-05-31	11:45	0.0	0.0	102.83	N-4	-0.13	102.70	No	NA
2023-06-06	13:15	0.0	0.0	102.67	N-3	-0.10	102.57	No	NA
2023-06-14	13:15	0.0	0.0	102.78	N-3	-0.10	102.68	No	NA
2023-06-19	11:45	0.0	0.0	102.70	N-3	-0.10	102.60	No	NA
2023-07-05	12:10	0.0	0.0	103.03	N-3	-0.10	102.93	No	NA

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 20211057-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Monitoring Well Headspace and Fuel Product Gauging

RHHW04									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW ² (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
1/4/2022 ²	09:55	0.0	0.0	293.51	N-2	-0.06	293.45	No	NA
2022-01-14	09:15	0.0	0.0	293.42	N-2	-0.06	293.36	No	NA
2022-01-16	13:00	1.9	2.0	293.29	N-1	-0.06	293.23	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	10:35	0.1	0.0	293.90 ⁵	16HF	-0.06	293.84 ⁵	No	NA
2022-03-07	13:30	0.1	0.0	293.69	N-4	-0.16	293.53	No	NA
2022-03-14	10:55	0.0	0.0	293.76	N-4	-0.16	293.60	No	NA
2022-03-23	09:30	0.0	0.0	293.74	N-4	-0.16	293.58	No	NA
2022-03-30	09:00	0.1	0.1	293.71	N-4	-0.16	293.55	No	NA
2022-04-06	08:43	0.0	0.0	293.69	N-4	-0.16	293.53	No	NA
2022-04-25	13:55	0.0	0.0	293.65	N-4	-0.16	293.49	No	NA
2022-05-04	10:45	0.0	0.0	293.63	N-4	-0.16	293.47	No	NA
2022-05-11	12:25	0.0	0.0	293.41	N-4	-0.16	293.25	No	NA
2022-05-16	12:40	0.0	0.0	293.59	N-3	-0.12	293.47	No	NA
2022-05-23	11:15	0.0	0.0	293.62	N-4	-0.16	293.46	No	NA
2022-06-03	08:00	0.0	0.0	293.61	N-3	-0.12	293.49	No	NA
2022-06-08	09:35	0.0	0.0	293.61	N-3	-0.12	293.49	No	NA
2022-06-15	08:00	0.0	0.0	293.62	N-3	-0.12	293.50	No	NA
2022-06-22	09:37	0.0	0.0	293.70	N-3	-0.12	293.58	No	NA
2022-06-30	08:13	0.0	0.0	293.85	N-4	-0.16	293.69	No	NA
2022-07-08	12:28	0.0	0.0	293.85	N-4	-0.16	293.69	No	NA
2022-07-14	08:08	0.0	0.0	293.89	N-4	-0.16	293.73	No	NA
2022-08-03	08:05	0.0	0.0	293.99	N-4	-0.16	293.83	No	NA
2022-08-10	07:50	0.0	0.0	294.05	N-4	-0.16	293.89	No	NA
2022-08-17	08:00	0.0	0.0	294.09	N-4	-0.16	293.93	No	NA
2022-08-24	10:30	0.0	0.0	294.12	N-4	-0.16	293.96	No	NA
2022-08-31	08:05	0.0	0.0	294.19	N-4	-0.16	294.03	No	NA
2022-09-09	07:30	0.0	0.0	294.14	N-4	-0.16	293.98	No	NA
2022-09-14	07:40	0.0	0.0	294.17	N-3	-0.12	294.05	No	NA
2022-09-23	08:00	0.0	0.0	294.32	01-8854	-0.25	294.07 ⁶	No	NA
2022-09-28	11:43	0.0	0.0	294.10	N-5	-0.05	294.05	No	NA
2022-10-05	08:05	0.0	0.0	294.28	N-4	-0.16	294.12	No	NA
2022-10-17	08:03	0.1	0.4	294.20	N-5	-0.05	294.15	No	NA
2022-10-19	08:10	0.0	0.0	294.28	N-3	-0.12	294.16	No	NA
2022-10-24	12:25	0.0	0.0	294.21	N-6	-0.11	294.10	No	NA
2022-10-26	08:00	0.0	0.0	294.27	N-6	-0.11	294.16	No	NA
2022-10-31	08:05	0.0	0.0	294.19	N-5	-0.05	294.14	No	NA
2022-11-02	07:40	0.0	0.0	294.27	N-6	-0.11	294.16	No	NA
2022-11-07	13:10	0.0	0.0	293.96	N-5	-0.05	293.91	No	NA
2022-11-09	12:07	0.0	0.0	294.12	N-3	-0.12	294.00	No	NA
2022-11-14	07:40	0.0	0.0	294.23	N-3	-0.12	294.11	No	NA
2022-11-16	08:10	0.0	0.0	294.25	N-3	-0.12	294.13	No	NA
2022-11-19	10:19	0.0	0.0	294.30	N-4	-0.16	294.14	No	NA
2022-11-21	07:25	0.0	0.0	294.21	N-5	-0.05	294.16	No	NA
2022-11-30	10:19	0.0	0.0	294.12	N-5	-0.05	294.07	No	NA
2022-12-23	12:09	0.0	0.0	294.12	N-3	-0.12	294.00	No	NA
2022-12-30	11:45	0.0	0.3	294.07	N-5	-0.05	294.02	No	NA
2023-01-06	11:16	0.0	0.0	294.15	N-5	-0.05	294.10	No	NA
2023-01-13	07:50	0.0	0.0	294.31	N-3	-0.12	294.19	No	NA
2023-01-20	08:10	0.0	0.0	294.20	N-5	-0.05	294.15	No	NA
2023-01-25	10:30	0.0	0.0	294.32	N-4	-0.16	294.16	No	NA
2023-02-16	08:00	0.0	0.0	294.23	N-4	-0.16	294.07	No	NA
2023-02-23	07:35	0.7	0.0	294.24	N-4	-0.16	294.08	No	NA
2023-03-02	08:00	0.0	0.0	294.10	N-6	-0.11	293.99	No	NA
2023-03-09	07:50	0.0	0.0	294.08	N-3	-0.12	293.96	No	NA
2023-03-15	10:20	0.0	0.0	294.10	N-4	-0.16	293.94	No	NA
2023-03-24	07:50	0.0	0.0	294.11	N-3	-0.12	293.99	No	NA
2023-03-30	08:10	0.0	0.0	294.05	N-5	-0.05	294.00	No	NA
2023-04-06	07:58	0.0	0.0	294.14	N-6	-0.11	294.03	No	NA
2023-04-27	08:15	0.0	0.0	294.17	N-6	-0.11	294.06	No	NA
2023-05-04	08:00	0.0	0.0	294.17	N-4	-0.16	294.01	No	NA
2023-05-11	10:50	0.0	0.0	294.11	N-6	-0.11	294.00	No	NA
2023-05-18	07:40	0.0	0.0	294.15	N-6	-0.11	294.04	No	NA
2023-05-25	09:45	0.0	0.0	294.09	N-3	-0.12	293.97	No	NA
2023-06-02	11:00	0.0	0.0	294.01	N-3	-0.12	293.89	No	NA
2023-06-07	08:05	0.0	0.0	294.09	N-6	-0.11	293.98	No	NA
2023-06-14	08:10	0.0	0.0	294.14	N-4	-0.16	293.98	No	NA
2023-06-21	07:48	0.0	0.0	294.22	N-4	-0.16	294.06	No	NA
2023-07-05	08:25	0.0	0.0	294.42	N-4	-0.16	294.26	No	NA

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

RHHW05									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW ² (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (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
2022-01-03	09:12	0.0	105.7	82.56	N-1	-0.02	82.54	No	NA
2022-01-10	08:50	0.0	0.0	82.42	N-1	-0.02	82.40	No	NA
2022-01-17	09:40	0.0	0.0	82.36	N-1	-0.02	82.34	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	09:30	0.0	0.0	82.95 ⁵	01-5920	-0.01	82.94 ⁵	No	NA
2022-03-08	07:55	0.0	0.0	82.90	N-3	-0.06	82.84	No	NA
2022-03-15	08:55	0.0	0.0	82.97	N-4	-0.09	82.88	No	NA
2022-03-22	08:50	0.2	0.0	82.99	N-3	-0.06	82.93	No	NA
2022-03-31	09:35	0.1	0.0	82.92	N-4	-0.09	82.83	No	NA
2022-04-05	08:45	0.2	0.0	82.86	N-4	-0.09	82.77	No	NA
2022-04-26	08:40	0.0	0.0	82.90	N-4	-0.09	82.81	No	NA
2022-05-03	08:35	0.1	0.0	82.87	N-4	-0.09	82.78	No	NA
2022-05-10	09:25	0.0	1.0	82.93	N-4	-0.09	82.84	No	NA
2022-05-17	08:42	0.0	0.0	82.85	N-3	-0.06	82.79	No	NA
2022-05-24	08:18	0.1	0.0	82.85	N-4	-0.09	82.76	No	NA
2022-05-31	09:27	0.0	0.0	82.85	N-4	-0.09	82.76	No	NA
2022-06-07	08:34	0.0	0.0	82.87	N-3	-0.06	82.81	No	NA
2022-06-14	08:47	0.0	0.0	82.92	N-3	-0.06	82.86	No	NA
2022-06-21	08:50	0.0	0.0	82.94	N-1	-0.02	82.92	No	NA
2022-06-29	08:20	0.1	0.0	83.05	N-4	-0.09	82.96	No	NA
2022-07-06	08:40	0.1	0.0	83.04	N-4	-0.09	82.95	No	NA
2022-07-12	08:43	0.2	0.0	83.10	N-4	-0.09	83.01	No	NA
2022-08-02	09:20	0.0	0.0	83.18	N-4	-0.09	83.09	No	NA
2022-08-09	08:45	0.1	0.0	83.24	N-4	-0.09	83.15	No	NA
2022-08-16	08:25	0.1	0.0	83.27	N-4	-0.09	83.18	No	NA
2022-08-23	08:58	0.0	0.0	83.34	N-4	-0.09	83.25	No	NA
2022-08-30	09:00	0.0	0.0	83.42	N-4	-0.09	83.33	No	NA
2022-09-06	10:00	0.0	0.0	83.38	N-3	-0.06	83.32	No	NA
2022-09-13	09:15	0.0	0.0	83.43	N-3	-0.06	83.37	No	NA
2022-09-20	13:15	0.1	0.0	83.40	01-8854	-0.06	83.34 ¹	No	NA
2022-09-27	09:33	0.0	0.0	83.40	N-3	-0.06	83.34	No	NA
2022-10-04	08:50	0.0	0.0	83.52	N-4	-0.09	83.43	No	NA
2022-10-18	08:59	0.0	0.0	83.45	N-3	-0.06	83.39	No	NA
2022-10-20	08:58	0.0	0.1	83.47	N-4	-0.09	83.38	No	NA
2022-10-25	13:50	0.0	0.0	83.47	N-3	-0.06	83.41	No	NA
2022-10-27	10:00	0.0	0.0	83.42	N-4	-0.09	83.33	No	NA
2022-11-01	08:40	0.1	0.0	83.44	N-6	-0.07	83.37	No	NA
2022-11-03	08:40	0.0	0.0	83.49	N-3	-0.06	83.43	No	NA
2022-11-08	08:57	0.0	0.1	83.32	N-3	-0.06	83.26	No	NA
2022-11-10	08:31	0.3	0.2	83.45	N-3	-0.06	83.39	No	NA
2022-11-15	08:50	0.0	0.0	83.43	N-3	-0.06	83.37	No	NA
2022-11-17	08:15	0.0	0.0	83.42	N-6	-0.07	83.35	No	NA
2022-11-20	08:52	0.1	0.1	83.36	N-5	-0.01	83.35	No	NA
2022-11-22	08:39	0.2	0.0	83.41	N-3	-0.06	83.35	No	NA
2022-11-29	08:50	0.0	0.0	83.31	N-6	-0.07	83.24	No	NA
2022-12-20	09:37	0.1	0.0	83.24	N-5	-0.01	83.23	No	NA
2023-12-28	08:50	0.0	0.0	83.27	N-5	-0.01	83.26	No	NA
2023-01-04	08:30	0.0	0.0	83.30	N-5	-0.01	83.29	No	NA
2023-01-10	08:31	0.0	0.0	83.47	N-3	-0.06	83.41	No	NA
2023-01-17	09:23	0.0	0.0	83.34	N-5	-0.01	83.33	No	NA
2023-01-24	09:20	0.0	0.0	83.45	N-4	-0.09	83.36	No	NA
2023-02-14	09:15	0.0	0.0	83.31	N-4	-0.09	83.22	No	NA
2023-02-21	09:35	0.0	0.0	83.33	N-4	-0.09	83.24	No	NA
2023-02-28	08:38	0.0	0.0	83.25	N-5	-0.01	83.24	No	NA
2023-03-07	10:20	0.0	5.1	83.21	N-4	-0.09	83.12	No	NA
2023-03-14	09:00	0.1	0.0	83.27	N-6	-0.07	83.20	No	NA
2023-03-21	09:07	0.0	0.0	83.22	N-5	-0.01	83.21	No	NA
2023-03-28	08:49	0.0	0.0	83.27	N-4	-0.09	83.18	No	NA
2023-04-04	09:27	0.0	0.0	83.34	N-4	-0.09	83.25	No	NA
2023-04-25	08:55	0.0	0.0	83.28	N-5	-0.01	83.27	No	NA
2023-05-02	08:37	0.0	0.0	83.27	N-3	-0.06	83.21	No	NA
2023-05-09	08:57	0.0	0.0	83.26	N-6	-0.07	83.19	No	NA
2023-05-16	08:50	0.0	0.0	83.30	N-4	-0.09	83.21	No	NA
2023-05-23	08:38	0.0	0.0	83.05	N-3	-0.06	82.99	No	NA
2023-05-31	08:22	0.0	0.0	83.28	N-4	-0.09	83.19	No	NA
2023-06-06	09:05	0.0	0.0	83.03	N-3	-0.06	82.97	No	NA
2023-06-15	11:40	0.0	0.0	83.29	N-4	-0.09	83.20	No	NA
2023-06-19	08:40	0.0	0.0	83.11	N-3	-0.06	83.05	No	NA
2023-07-07	09:50	0.1	0.1	83.53	N-3	-0.06	83.47	No	NA

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

RHHW06									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
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
2022-01-04	07:45	0.0	0.0	240.39	N-2	-0.04	240.35	No	NA
2022-01-11	08:15	0.0	0.0	240.43	N-2	-0.04	240.39	No	NA
2022-01-18	11:45	0.0	0.1	240.29	N-1	-0.04	240.25	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	10:50	0.0	0.0	240.64	N-1	-0.04	240.60	No	NA
2022-03-07	10:15	0.1	0.2	240.74	N-4	-0.15	240.59	No	NA
2022-03-16	12:15	0.1	0.1	240.72	N-4	-0.15	240.57	No	NA
2022-03-23	08:00	0.0	0.0	240.74	N-4	-0.15	240.59	No	NA
2022-03-30	07:30	0.0	0.0	240.71	N-4	-0.15	240.56	No	NA
2022-04-04	11:40	0.0	0.0	240.90	N-4	-0.15	240.75	No	NA
2022-04-25	11:30	0.0	0.0	240.87	N-4	-0.15	240.72	No	NA
2022-05-04	08:25	0.0	0.0	240.85	N-4	-0.15	240.70	No	NA
2022-05-11	10:25	0.0	0.0	240.83	N-4	-0.15	240.68	No	NA
2022-05-16	10:50	0.0	0.0	240.82	N-3	-0.11	240.71	No	NA
2022-05-23	10:05	0.0	0.0	240.85	N-4	-0.15	240.70	No	NA
2022-06-03	13:09	0.0	0.0	240.80	N-3	-0.11	240.69	No	NA
2022-06-08	07:45	0.0	0.0	240.82	N-3	-0.11	240.71	No	NA
2022-06-15	12:25	0.0	0.0	240.80	N-3	-0.11	240.69	No	NA
2022-06-22	08:20	0.0	0.0	240.91	N-3	-0.11	240.80	No	NA
2022-06-30	10:50	0.0	0.0	241.04	N-4	-0.15	240.89	No	NA
2022-07-08	08:15	0.0	0.0	241.06	N-4	-0.15	240.91	No	NA
2022-07-14	11:12	0.0	0.0	241.08	N-4	-0.15	240.93	No	NA
2022-08-03	10:32	0.0	0.0	241.17	N-4	-0.15	241.02	No	NA
2022-08-10	09:55	0.0	0.0	241.23	N-4	-0.15	241.08	No	NA
2022-08-17	09:55	0.0	0.0	241.06	N-4	-0.15	240.91	No	NA
2022-08-24	07:50	0.0	0.0	241.13	N-4	-0.15	240.98	No	NA
2022-08-31	09:45	0.0	0.0	241.18	N-4	-0.15	241.03	No	NA
2022-09-09	09:10	0.0	0.0	241.13	N-4	-0.15	240.98	No	NA
2022-09-14	09:30	0.0	0.0	241.14	N-3	-0.11	241.03	No	NA
2022-09-23	10:05	0.0	0.0	241.28	01-8854	-0.20	241.08	No	NA
2022-09-28	14:20	0.0	0.0	241.09	N-5	-0.04	241.05	No	NA
2022-10-06	10:40	0.0	0.0	241.17	N-3	-0.11	241.06	No	NA
2022-10-17	10:19	0.0	0.0	241.18	N-5	-0.04	241.14	No	NA
2022-10-19	11:55	0.0	0.0	241.18	N-3	-0.11	241.07	No	NA
2022-10-24	09:08	0.0	0.0	241.22	N-6	-0.10	241.12	No	NA
2022-10-26	10:55	0.0	0.0	241.22	N-6	-0.10	241.12	No	NA
2022-10-31	12:20	0.0	0.0	241.09	N-5	-0.04	241.05	No	NA
2022-11-02	10:45	0.0	0.0	241.38	N-6	-0.10	241.28	No	NA
2022-11-07	11:05	0.0	0.0	240.92	N-5	-0.04	240.88	No	NA
2022-11-09	10:09	0.0	0.0	241.13	N-3	-0.11	241.02	No	NA
2022-11-14	12:04	0.0	0.0	241.13	N-3	-0.11	241.02	No	NA
2022-11-16	11:32	0.0	0.0	241.14	N-3	-0.11	241.03	No	NA
2022-11-19	12:50	0.1	0.0	241.22	N-4	-0.15	241.07	No	NA
2022-11-21	12:07	0.1	0.1	241.13	N-5	-0.04	241.09	No	NA
2022-11-30	12:26	0.1	0.1	241.06	N-3	-0.11	240.95	No	NA
2022-12-19	13:55	0.0	0.0	240.98	N-5	-0.04	240.94	No	NA
2022-12-30	07:30	0.0	0.2	241.08	N-5	-0.04	241.04	No	NA
2023-01-06	09:40	0.0	0.0	241.15	N-5	-0.04	241.11	No	NA
2023-01-13	09:42	0.0	0.0	241.26	N-3	-0.11	241.15	No	NA
2023-01-20	15:13	0.0	0.0	241.12	N-5	-0.04	241.08	No	NA
2023-01-25	13:37	0.0	0.0	241.24	N-4	-0.15	241.09	No	NA
2023-02-16	12:30	0.0	0.0	241.16	N-4	-0.15	241.01	No	NA
2023-02-23	09:50	0.0	0.0	241.21	N-4	-0.15	241.06	No	NA
2023-03-02	14:05	0.0	0.0	241.05	N-6	-0.10	240.95	No	NA
2023-03-09	12:20	0.0	0.0	240.98	N-3	-0.11	240.87	No	NA
2023-03-15	13:10	0.0	0.0	241.05	N-4	-0.15	240.90	No	NA
2023-03-24	12:55	0.0	0.0	241.05	N-3	-0.11	240.94	No	NA
2023-03-30	11:56	0.0	0.0	240.99	N-5	-0.04	240.95	No	NA
2023-04-06	12:50	0.0	0.0	241.04	N-6	-0.10	240.94	No	NA
2023-04-27	14:57	0.0	0.0	241.12	N-6	-0.10	241.02	No	NA
2023-05-04	10:30	0.0	0.0	241.14	N-4	-0.15	240.99	No	NA
2023-05-11	13:10	0.0	0.0	241.10	N-6	-0.10	241.00	No	NA
2023-05-18	11:42	0.0	0.0	241.10	N-6	-0.10	241.00	No	NA
2023-05-25	11:15	0.0	0.0	241.05	N-3	-0.11	240.94	No	NA
2023-06-02	09:43	0.0	0.0	240.99	N-3	-0.11	240.88	No	NA
2023-06-07	10:43	0.0	0.0	241.07	N-6	-0.10	240.97	No	NA
2023-06-14	11:50	0.0	0.0	241.12	N-4	-0.15	240.97	No	NA
2023-06-21	10:15	0.0	0.0	241.21	N-4	-0.15	241.06	No	NA
2023-07-05	12:10	0.0	0.0	241.37	N-4	-0.15	241.22	No	NA

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

RHHW08									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (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
12/18/2021	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
2022-01-04	10:10	0.0	0.0	292.00	N-2	-0.07	291.93	No	NA
2022-01-11	11:35	0.0	1.0	291.76	N-2	-0.07	291.69	No	NA
2022-01-18	12:00	0.0	0.0	291.82	N-1	-0.07	291.75	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	13:10	0.1	0.0	292.11	N-1	-0.07	292.04	No	NA
2022-03-09	11:20	0.0	0.0	292.21	N-4	-0.17	292.04	No	NA
2022-03-16	10:25	0.0	0.0	292.23	N-4	-0.17	292.06	No	NA
2022-03-23	11:15	0.0	0.0	292.22	N-4	-0.17	292.05	No	NA
2022-03-30	10:58	0.0	0.0	292.19	N-4	-0.17	292.02	No	NA
2022-04-04	08:55	0.0	0.0	292.35	N-4	-0.17	292.18	No	NA
2022-04-25	08:20	0.0	0.0	292.38	N-4	-0.17	292.21	No	NA
2022-05-04	12:25	0.0	0.0	292.34	N-4	-0.17	292.17	No	NA
2022-05-11	08:18	0.0	0.0	292.30	N-4	-0.17	292.13	No	NA
2022-05-16	08:35	0.0	0.0	292.35	N-3	-0.13	292.22	No	NA
2022-05-23	08:40	0.0	0.0	292.33	N-4	-0.17	292.16	No	NA
2022-06-03	11:15	0.0	0.0	292.31	N-3	-0.13	292.18	No	NA
2022-06-08	12:30	0.1	0.1	292.30	N-3	-0.13	292.17	No	NA
2022-06-15	10:45	0.0	0.0	292.27	N-3	-0.13	292.14	No	NA
2022-06-22	12:05	0.0	0.0	292.37	N-3	-0.13	292.24	No	NA
2022-06-30	12:28	0.0	0.0	292.52	N-4	-0.17	292.35	No	NA
2022-07-08	10:34	0.0	0.0	292.55	N-4	-0.17	292.38	No	NA
2022-07-12	12:56	0.0	0.0	292.57	N-4	-0.17	292.40	No	NA
2022-08-03	11:55	0.0	0.0	292.64	N-4	-0.17	292.47	No	NA
2022-08-10	11:40	0.0	0.0	292.71	N-4	-0.17	292.54	No	NA
2022-08-17	11:17	0.0	0.0	292.53	N-4	-0.17	292.36	No	NA
2022-08-24	09:05	0.0	0.0	292.62	N-4	-0.17	292.45	No	NA
2022-08-31	11:05	0.0	0.0	292.66	N-4	-0.17	292.49	No	NA
2022-09-09	10:15	0.0	0.0	292.63	N-4	-0.17	292.46	No	NA
2022-09-14	10:55	0.0	0.0	292.60	N-3	-0.13	292.47	No	NA
2022-09-23	12:25	0.0	0.0	292.79	01-8854	-0.26	292.53	No	NA
2022-09-28	08:38	0.0	0.0	292.61	N-5	-0.06	292.55	No	NA
2022-10-05	10:25	0.0	0.0	292.74	N-4	-0.17	292.57	No	NA
2022-10-17	13:30	0.0	0.0	292.61	N-5	-0.06	292.55	No	NA
2022-10-19	10:25	0.0	0.0	292.70	N-3	-0.13	292.57	No	NA
2022-10-24	11:00	0.0	0.0	292.72	N-6	-0.12	292.60	No	NA
2022-10-26	12:20	0.0	0.0	292.72	N-6	-0.12	292.60	No	NA
2022-10-31	09:55	0.0	0.0	292.63	N-5	-0.06	292.57	No	NA
2022-11-02	09:30	0.0	0.0	292.92	N-6	-0.12	292.80	No	NA
2022-11-07	08:00	0.0	0.0	292.32	N-5	-0.06	292.26	No	NA
2022-11-09	08:25	0.0	0.0	292.63	N-3	-0.13	292.50	No	NA
2022-11-14	10:30	0.0	0.0	292.65	N-3	-0.13	292.52	No	NA
2022-11-16	10:05	0.0	0.0	292.67	N-3	-0.13	292.54	No	NA
2022-11-19	15:00	0.0	0.0	292.66	N-4	-0.17	292.49	No	NA
2022-11-21	09:58	0.0	0.0	292.65	N-5	-0.06	292.59	No	NA
2022-11-30	07:46	0.0	0.1	292.80	N-3	-0.13	292.67	No	NA
2022-12-19	11:40	0.0	0.0	292.48	N-5	-0.06	292.42	No	NA
2022-12-30	09:22	0.0	0.0	292.57	N-5	-0.06	292.51	No	NA
2023-01-06	07:50	0.0	0.0	292.62	N-5	-0.06	292.56	No	NA
2023-01-13	11:35	0.0	0.0	292.72	N-3	-0.13	292.59	No	NA
2023-01-20	10:10	0.0	0.0	292.63	N-5	-0.06	292.57	No	NA
2023-01-25	08:04	0.0	0.0	292.96	N-4	-0.17	292.79	No	NA
2023-02-16	10:10	0.0	0.0	292.67	N-4	-0.17	292.50	No	NA
2023-02-23	12:04	0.0	0.0	292.66	N-4	-0.17	292.49	No	NA
2023-03-02	12:25	0.0	0.0	292.58	N-6	-0.12	292.44	No	NA
2023-03-09	10:15	0.0	0.0	292.51	N-3	-0.13	292.38	No	NA
2023-03-15	08:05	0.0	0.0	292.55	N-4	-0.17	292.38	No	NA
2023-03-24	11:25	0.0	0.0	292.55	N-3	-0.13	292.42	No	NA
2023-03-30	10:30	0.0	0.0	292.50	N-5	-0.06	292.44	No	NA
2023-04-06	10:50	0.0	0.0	292.55	N-6	-0.12	292.43	No	NA
2023-04-27	13:05	0.0	0.0	292.64	N-6	-0.12	292.52	No	NA
2023-05-04	13:00	0.0	0.0	292.63	N-4	-0.17	292.46	No	NA
2023-05-11	07:55	0.0	0.0	292.62	N-6	-0.12	292.50	No	NA
2023-05-18	10:30	0.0	0.0	292.61	N-6	-0.12	292.49	No	NA
2023-05-25	13:47	0.0	0.0	292.57	N-3	-0.13	292.44	No	NA
2023-06-02	08:01	0.0	0.0	292.37	N-3	-0.13	292.24	No	NA
2023-06-07	12:10	0.0	0.0	292.56	N-6	-0.12	292.44	No	NA
2023-06-16	08:15	0.0	0.0	292.53	N-6	-0.12	292.41	No	NA
2023-06-21	11:30	0.0	0.0	292.72	N-4	-0.17	292.55	No	NA
2023-07-06	07:55	0.0	0.0	292.91	N-4	-0.17	292.74	No	NA

Red Hill Bulk Fuel Storage Facility
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 Monitoring Well Headspace and Fuel Product Gauging

RHHW09									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft bloc)		Factor (ft)	DTW ^o (ft bloc)	(Yes/No)	(ft)
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
2022-01-01	09:50	0.1	0.0	377.18	N-2	-0.29	376.89	No	NA
2022-01-07	11:10	0.0	0.0	377.06	N-2	-0.29	376.77	No	NA
2022-01-12	13:17	0.0	0.0	377.05	N-1	-0.29	376.76	No	NA
2022-01-17	12:40	0.0	0.0	377.18 ^b	01-5920	-0.24	376.94 ^b	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	10:45	0.1	0.0	377.38	N-2	-0.29	377.09	No	NA
NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
2022-03-16	08:05	0.0	0.0	377.31	N-4	-0.37	376.94	No	NA
2022-03-21	10:30	0.0	0.0	377.30	N-4	-0.37	376.93	No	NA
2022-03-28	10:05	0.0	0.0	377.49	N-4	-0.37	377.12	No	NA
2022-04-08	10:45	0.0	0.0	377.41	N-3	-0.32	377.09	No	NA
2022-04-28	10:00	0.0	0.0	377.19	N-3	-0.32	376.87	No	NA
2022-05-02	09:00	0.0	0.0	377.25	N-4	-0.37	376.88	No	NA
2022-05-09	09:50	0.0	0.0	377.44	N-4	-0.37	377.07	No	0.0
2022-05-18	08:20	0.0	0.0	377.40	N-3	-0.32	377.08	No	NA
2022-05-25	08:20	0.0	0.0	377.30	N-4	-0.37	376.93	No	NA
2022-06-01	09:38	0.0	0.0	377.39	N-3	-0.32	377.07	No	NA
2022-06-06	08:45	0.0	0.0	377.35	N-3	-0.32	377.03	No	NA
2022-06-13	15:00	0.0	0.0	377.46	N-3	-0.32	377.14	No	NA
2022-06-20	08:45	0.0	0.0	377.47	N-3	-0.32	377.15	No	NA
2022-06-28	08:35	0.0	0.0	377.35	N-3	-0.32	377.03	No	NA
2022-07-05	08:43	0.0	0.0	377.63	N-4	-0.37	377.26	No	NA
2022-07-11	10:59	0.0	0.0	377.67	N-4	-0.37	377.3	No	NA
2022-08-01	08:45	0.0	0.0	377.78	N-4	-0.37	377.41	No	NA
2022-08-08	08:40	0.0	0.0	377.82	N-4	-0.37	377.45	No	NA
2022-08-15	08:10	0.0	0.0	377.87	N-4	-0.37	377.5	No	NA
2022-08-22	08:30	0.0	0.0	377.92	N-4	-0.37	377.55	No	NA
2022-08-29	08:40	0.0	0.0	377.93	N-4	-0.37	377.56	No	NA
2022-09-07	07:45	0.0	0.0	377.74	N-3	-0.32	377.42	No	NA
2022-09-12	08:15	0.0	0.0	377.95	N-3	-0.32	377.63	No	NA
2022-09-19	09:50	0.0	0.0	378.01	01-8607	-0.64	377.37 ^f	No	NA
2022-09-26	08:55	0.0	0.0	377.77	N-3	-0.32	377.45	No	NA
2022-10-03	08:05	0.0	0.0	378.05	N-4	-0.37	377.68	No	NA
2022-10-17	08:15	0.0	0.0	377.88	N-4	-0.37	377.51	No	NA
2022-10-19	08:30	0.0	0.0	377.86	N-4	-0.37	377.49	No	NA
2022-10-24	08:00	0.0	0.0	377.87	N-4	-0.37	377.50	No	NA
2022-10-26	10:45	0.0	0.0	377.95	N-5	-0.27	377.68	No	NA
2022-10-31	08:20	0.0	0.0	377.80	N-6	-0.34	377.46	No	NA
2022-11-02	08:15	0.0	0.0	377.87	N-4	-0.37	377.50	No	NA
2022-11-07	08:25	0.0	0.0	377.53	N-3	-0.32	377.21	No	NA
2022-11-09	10:05	0.0	0.0	377.80	N-4	-0.37	377.43	No	NA
2022-11-14	08:15	0.0	0.0	377.83	N-4	-0.37	377.46	No	NA
2022-11-16	07:50	0.0	0.0	377.82	N-6	-0.34	377.48	No	NA
2022-11-19	08:05	0.0	0.0	377.76	N-5	-0.27	377.49	No	NA
2022-11-21	09:52	0.0	0.0	377.85	N-4	-0.37	377.48	No	NA
2022-11-28	08:25	0.0	0.0	377.55	N-3	-0.32	377.23	No	NA
2022-12-23	07:30	0.0	0.0	377.66	N-3	-0.32	377.34	No	NA
2022-12-27	08:00	0.0	0.0	377.66	N-5	-0.27	377.39	No	NA
2023-01-03	07:30	0.0	0.0	377.66	N-5	-0.27	377.39	No	NA
2023-01-09	10:43	0.0	0.0	377.73	N-5	-0.27	377.46	No	NA
2023-01-16	07:38	0.0	0.0	377.78	N-6	-0.34	377.44	No	NA
2023-01-23	08:35	0.0	0.0	377.94	N-5	-0.27	377.67	No	NA
2023-02-13	08:15	0.0	0.0	377.64	N-5	-0.27	377.37	No	NA
2023-02-20	08:35	0.0	0.0	377.78	N-4	-0.37	377.41	No	NA
2023-02-27	08:50	0.0	0.0	377.71	N-6	-0.34	377.37	No	NA
2023-03-06	08:00	0.0	0.0	377.52	N-5	-0.27	377.25	No	NA
2023-03-13	07:49	0.0	0.0	377.65	N-4	-0.37	377.28	No	NA
2023-03-20	08:06	0.0	0.0	377.66	N-6	-0.34	377.32	No	NA
2023-03-27	08:28	0.0	0.0	377.64	N-6	-0.34	377.30	No	NA
2023-04-03	07:45	0.0	0.0	377.63	N-5	-0.27	377.36	No	NA
2023-04-26	07:53	0.0	0.0	377.78	N-4	-0.37	377.41	No	NA
2023-05-03	08:00	0.0	0.0	377.67	N-6	-0.34	377.33	No	NA
2023-05-10	08:10	0.0	0.0	377.67	N-3	-0.32	377.35	No	NA
2023-05-17	08:23	0.0	0.0	377.67	N-6	-0.34	377.33	No	NA
2023-05-24	08:00	0.0	0.0	377.65	N-6	-0.34	377.31	No	NA
2023-06-01	07:50	0.0	0.0	377.67	N-6	-0.34	377.33	No	NA
2023-06-07	08:10	0.0	0.0	377.68	N-4	-0.37	377.31	No	NA
2023-06-13	12:47	0.0	0.0	377.55	N-6	-0.34	377.21	No	NA
2023-06-20	14:05	0.0	0.0	377.71	N-4	-0.37	377.34	No	NA
2023-07-06	08:15	0.0	0.0	377.97	N-6	-0.34	377.63	No	NA

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RHMW10									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW ^{net} (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
6/14/2023 ^m	11:40	0.0	0.0	477.69	N-6	-0.19	477.50	No	NA
2023-07-05	12:55	0.0	0.0	477.99	N-6	-0.19	477.80	No	NA

Red Hill Bulk Fuel Storage Facility
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RHHW11**									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
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
2022-01-06	09:13	0.0	0.0	NA	NA	NA	NA	No	NA
2022-01-13	08:34	0.0	0.0	NA	NA	NA	NA	No	NA
2022-01-20	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	07:52	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-09	09:28	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-17	08:41	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-22	00:30	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-31	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
2022-04-07	08:37	0.0	0.0	NA	NA	NA	NA	No	NA
2022-04-28	09:33	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-05	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-11	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-19	08:15	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-26	09:00	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-02	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-09	10:40	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-16	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-23	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
2022-07-01	08:22	0.0	0.0	NA	NA	NA	NA	No	NA
2022-07-07	10:00	0.0	0.0	NA	NA	NA	NA	No	NA
2022-07-13	08:05	0.0	0.0	NA	NA	NA	NA	No	NA
NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3
2022-08-12	12:20	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-17	08:05	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-22	11:12	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-29	12:00	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-07	11:50	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-13	10:50	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-20	11:35	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-27	11:48	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-03	09:34	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-17	12:20	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-21	15:45	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-24	11:58	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-28	16:50	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-02	13:08	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-04	09:56	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-09	09:47	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-11	08:57	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-16	08:57	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-18	08:48	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-21	09:11	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-23	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-29	08:53	0.0	0.1	NA	NA	NA	NA	No	NA
2022-12-20	08:55	0.0	0.1	NA	NA	NA	NA	No	NA
2023-12-28	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-04	08:48	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-10	09:10	0.0	0.3	NA	NA	NA	NA	No	NA
2023-01-17	08:30	0.0	0.6	NA	NA	NA	NA	No	NA
2023-01-24	08:55	0.0	0.2	NA	NA	NA	NA	No	NA
2023-02-15	09:08	0.0	0.0	NA	NA	NA	NA	No	NA
2023-02-21	09:33	0.0	0.0	NA	NA	NA	NA	No	NA
2023-02-27	09:42	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-08	08:40	0.7	0.0	NA	NA	NA	NA	No	NA
2023-03-15	09:23	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-21	13:23	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-27	09:36	0.0	0.0	NA	NA	NA	NA	No	NA
2023-04-03	12:00	0.0	0.0	NA	NA	NA	NA	No	NA
2023-04-26	12:54	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-01	12:13	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-08	09:12	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-18	14:15	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-25	09:00	0.0	0.0	NA	NA	NA	NA	No	NA
2023-06-02	08:40	0.0	0.0	NA	NA	NA	NA	No	NA
2023-06-08	08:55	0.0	0.2	NA	NA	NA	NA	No	NA
2023-06-14	09:05	0.0	0.4	NA	NA	NA	NA	No	NA
2023-06-21	10:00	0.0	0.0	NA	NA	NA	NA	No	NA
2023-07-06	09:02	0.0	0.9	NA	NA	NA	NA	No	NA

Red Hill Bulk Fuel Storage Facility
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 Monitoring Well Headspace and Fuel Product Gauging

RHHW12A*									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
12/14/2021	14:15	0.1	0.1	220.48	N-1	-0.09	220.39	No	NA
12/22/2021	12:45	0.0	0.0	220.31	N-1	-0.09	220.22	No	NA
12/27/2021	13:05	0.1	0.0	220.29	N-2	-0.09	220.20	No	NA
2022-01-05	11:15	0.0	0.0	219.54	N-2	-0.09	219.45	No	NA
2022-01-12	12:22	0.0	4.1	219.93	N-2	-0.09	219.84	No	NA
2022-01-17	12:00	0.0	0.0	219.93	N-2	-0.09	219.84	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	12:05	0.1	0.0	220.19	N-2	-0.09	220.10	No	NA
2022-03-08	10:55	0.1	0.0	220.26	N-2	-0.09	220.17	No	NA
2022-03-15	12:05	0.0	0.0	220.24	N-2	-0.09	220.15	No	NA
2022-03-22	08:30	0.0	0.0	220.29	N-4	-0.20	220.09	No	NA
2022-03-29	10:20	0.1	0.1	220.18	N-3	-0.16	220.02	No	NA
2022-04-04	11:20	0.0	0.0	220.17	N-3	-0.16	220.01	No	NA
2022-04-26	11:00	0.0	0.0	220.17	N-3	-0.16	220.01	No	NA
2022-05-03	11:10	0.0	0.0	220.15	N-3	-0.16	219.99	No	NA
2022-05-10	10:28	0.0	0.0	220.14	N-3	-0.16	219.98	No	NA
2022-05-17	10:40	0.0	0.0	220.21	N-4	-0.20	220.01	No	NA
2022-05-24	11:00	0.0	0.0	220.11	N-3	-0.16	219.95	No	NA
2022-06-01	10:40	0.1	0.0	220.18	N-4	-0.20	219.98	No	NA
2022-06-07	09:55	0.0	0.0	220.20	N-4	-0.20	220.00	No	NA
2022-06-14	09:55	0.0	0.0	220.28	N-4	-0.20	220.08	No	NA
2022-06-21	11:05	0.0	0.0	220.22	N-3	-0.16	220.06	No	NA
2022-06-29	10:35	0.0	0.0	220.32	N-3	-0.16	220.16	No	NA
2022-07-05	08:45	0.0	0.0	220.36	N-3	-0.16	220.20	No	NA
2022-07-11	11:01	0.0	0.0	220.38	N-3	-0.16	220.22	No	NA
2022-08-02	10:20	0.0	0.1	220.49	N-3	-0.16	220.33	No	NA
2022-08-09	09:55	0.0	0.0	220.55	N-3	-0.16	220.39	No	NA
2022-08-16	10:05	0.0	0.0	220.55	N-3	-0.16	220.39	No	NA
2022-08-25	09:35	0.0	0.0	220.63	N-3	-0.16	220.47	No	NA
2022-09-01	10:00	0.0	0.0	220.73	N-4	-0.20	220.53	No	NA
2022-09-07	10:05	0.0	0.0	220.76	N-4	-0.20	220.56	No	NA
2022-09-13	10:35	0.0	0.0	220.70	N-4	-0.20	220.50	No	NA
2022-09-22	08:20	0.0	0.0	220.77	01-8854	-0.18	220.59	No	NA
2022-09-27	10:50	0.0	0.0	220.61	N-5	-0.09	220.52	No	NA
2022-10-04	09:45	0.0	0.2	220.70	N-3	-0.16	220.54	No	NA
2022-10-18	11:13	0.1	0.0	220.70	N-6	-0.15	220.55	No	NA
2022-10-20	08:00	0.0	0.0	220.75	N-6	-0.15	220.60	No	NA
2022-10-24	10:15	0.0	0.0	220.69	N-5	-0.09	220.60	No	NA
2022-10-27	07:50	0.1	0.2	220.66	N-5	-0.09	220.57	No	NA
2022-11-01	08:20	0.0	0.0	220.78	N-4	-0.20	220.58	No	NA
2022-11-03	10:10	0.0	0.1	220.76	N-6	-0.15	220.61	No	NA
2022-11-07	08:15	0.0	0.0	220.58	N-6	-0.15	220.43	No	NA
2022-11-10	11:20	0.0	0.0	220.72	N-4	-0.20	220.52	No	NA
2022-11-15	07:30	0.0	0.0	220.73	N-6	-0.15	220.58	No	NA
2022-11-17	08:15	0.0	0.0	220.72	N-3	-0.16	220.56	No	NA
2022-11-17	10:05	0.0	0.0	220.74	N-6	-0.15	220.59	No	NA
2022-11-22	08:15	0.0	0.0	220.80	N-4	-0.20	220.60	No	NA
2022-11-29	08:00	0.1	0.1	220.64	N-3	-0.16	220.48	No	NA
2022-12-20	08:10	0.0	0.0	220.64	N-3	-0.16	220.48	No	NA
2022-12-28	09:20	0.0	0.0	220.72	N-4	-0.20	220.52	No	NA
2023-01-04	08:00	1.4	0.0	220.69	N-3	-0.16	220.53	No	NA
2023-01-10	07:50	0.0	0.0	220.78	N-4	-0.20	220.58	No	NA
2023-01-17	08:32	0.0	0.0	220.72	N-3	-0.16	220.56	No	NA
2023-01-25	08:25	0.0	0.0	220.76	N-3	-0.16	220.60	No	NA
2023-02-14	08:15	0.0	0.0	220.62	N-5	-0.09	220.53	No	NA
2023-02-21	09:00	0.0	0.0	220.60	N-5	-0.09	220.51	No	NA
2023-02-28	08:10	0.0	0.0	220.69	N-4	-0.20	220.49	No	NA
2023-03-06	08:30	0.0	0.0	220.53	N-3	-0.16	220.37	No	NA
2023-03-13	08:30	0.0	0.0	220.53	N-3	-0.16	220.37	No	NA
2023-03-20	07:50	0.0	0.0	220.55	N-5	-0.09	220.46	No	NA
2023-03-27	08:15	0.0	0.0	220.55	N-5	-0.09	220.46	No	NA
2023-04-03	08:20	0.0	0.0	220.64	N-3	-0.16	220.48	No	NA
2023-04-24	08:00	0.0	0.0	220.67	N-4	-0.20	220.47	No	NA
2023-05-01	08:35	0.0	0.0	220.47	N-6	-0.15	220.32	No	NA
2023-05-09	08:59	0.0	0.0	220.63	N-4	-0.20	220.43	No	NA
2023-05-15	08:00	0.0	0.0	220.53	N-6	-0.15	220.38	No	NA
2023-05-22	08:05	0.0	0.0	220.52	N-6	-0.15	220.37	No	NA
2023-05-31	07:47	0.0	0.0	220.56	N-3	-0.16	220.40	No	NA
2023-06-06	10:00	0.0	0.0	220.52	N-6	-0.15	220.37	No	NA
2023-06-12	08:00	0.0	0.0	220.59	N-4	-0.20	220.39	No	NA
2023-06-19	08:05	0.0	0.0	220.58	N-6	-0.15	220.43	No	NA
2023-07-07	08:10	0.0	0.0	220.86	N-6	-0.15	220.71	No	NA

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

RHHW13**									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft bloc)		Factor (ft)	DTW** (ft bloc)	(Yes/No)	(ft)
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
2022-01-05	08:59	0.0	0.0	NA	NA	NA	NA	No	NA
2022-01-12	08:58	0.0	0.0	NA	NA	NA	NA	No	NA
2022-01-19	09:35	0.0	0.1	NA	NA	NA	NA	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-10	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-16	08:57	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-23	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-30	08:10	0.0	0.0	NA	NA	NA	NA	No	NA
2022-04-06	08:37	0.0	0.0	NA	NA	NA	NA	No	NA
2022-04-27	09:20	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-04	08:25	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-12	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-18	08:10	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-25	09:20	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-01	08:00	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-10	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-15	08:02	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-22	08:40	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-30	08:05	0.0	0.0	NA	NA	NA	NA	No	NA
2022-07-06	09:08	0.0	0.0	NA	NA	NA	NA	No	NA
2022-07-12	07:55	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-03	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-13	08:00	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-18	08:25	0.0	0.3	NA	NA	NA	NA	No	NA
2022-08-24	10:22	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-31	08:38	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-09	09:08	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-14	08:10	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-21	08:41	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-28	09:35	0.0	0.1	NA	NA	NA	NA	No	NA
2022-10-06	09:36	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-19	10:11	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-21	09:41	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-26	09:21	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-28	09:27	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-31	09:04	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-04	09:50	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-07	09:03	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-11	08:31	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-14	09:30	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-16	09:17	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-19	08:34	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-22	08:58	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-30	09:15	0.0	0.0	NA	NA	NA	NA	No	NA
2022-12-21	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
2022-12-29	10:00	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-05	09:35	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-11	09:03	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-18	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-25	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
2023-02-14	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
2023-02-22	08:40	0.0	0.5	NA	NA	NA	NA	No	NA
2023-02-28	09:10	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-07	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-14	08:48	0.0	0.5	NA	NA	NA	NA	No	NA
2023-03-22	09:40	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-28	09:23	0.0	0.0	NA	NA	NA	NA	No	NA
2023-04-04	08:44	0.0	0.0	NA	NA	NA	NA	No	NA
2023-04-25	10:05	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-02	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-09	10:16	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-16	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-23	11:25	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-31	08:55	0.0	0.2	NA	NA	NA	NA	No	NA
2023-06-06	11:37	0.0	1.1	NA	NA	NA	NA	No	NA
2023-06-15	09:10	0.0	0.1	NA	NA	NA	NA	No	NA
2023-06-22	09:35	0.0	0.0	NA	NA	NA	NA	No	NA
2023-07-05	09:30	0.0	0.0	NA	NA	NA	NA	No	NA

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 (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
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
2022-01-03	08:18	0.0	0.0	NA	NA	NA	NA	No	NA
2022-01-10	10:05	0.0	0.0	NA	NA	NA	NA	No	NA
2022-01-18	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	09:33	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-08	07:41	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-15	08:52	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-22	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-29	08:36	0.0	0.0	NA	NA	NA	NA	No	NA
2022-04-05	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
2022-04-26	09:06	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-03	08:36	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-10	09:12	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-17	08:24	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-24	08:39	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-31	08:15	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-07	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-14	08:00	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-21	08:43	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-29	08:19	0.0	0.0	NA	NA	NA	NA	No	NA
2022-07-05	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
2022-07-14	08:15	0.0	0.0	NA	NA	NA	NA	No	NA
NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3	NC3
2022-08-13	12:15	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-16	08:19	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-22	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-29	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-07	08:56	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-13	08:15	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-20	08:43	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-27	08:54	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-04	08:54	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-17	08:54	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-19	14:55	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-24	09:09	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-26	13:32	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-31	13:30	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-02	08:25	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-07	09:09	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-09	09:13	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-15	08:53	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-17	08:52	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-21	08:25	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-23	08:30	0.0	0.1	NA	NA	NA	NA	No	NA
2022-12-01	08:40	0.0	0.0	NA	NA	NA	NA	No	NA
2022-12-20	12:35	0.0	0.0	NA	NA	NA	NA	No	NA
2022-12-30	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-06	08:46	0.0	1.7	NA	NA	NA	NA	No	NA
2023-01-12	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-19	08:40	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-26	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
2023-02-16	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
2023-02-23	08:33	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-01	09:55	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-08	12:09	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-15	13:00	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-21	08:47	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-31	09:34	0.0	0.0	NA	NA	NA	NA	No	NA
2023-04-03	08:25	0.0	0.0	NA	NA	NA	NA	No	NA
2023-04-26	09:15	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-01	09:04	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-10	09:17	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-17	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-24	08:50	0.0	0.7	NA	NA	NA	NA	No	NA
2023-06-01	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
2023-06-07	09:27	0.0	0.0	NA	NA	NA	NA	No	NA
2023-06-13	09:16	0.0	0.0	NA	NA	NA	NA	No	NA
2023-06-20	09:15	0.0	0.0	NA	NA	NA	NA	No	NA
2023-07-07	08:45	0.0	0.0	NA	NA	NA	NA	No	NA

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 bloc)		Factor (ft)	DTW** (ft bloc)	(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
2022-01-04	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
2022-01-11	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
2022-01-16	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-07	07:38	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-14	09:20	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-21	08:50	0.0	0.0	NA	NA	NA	NA	No	NA
2022-03-28	09:30	0.0	0.0	NA	NA	NA	NA	No	NA
2022-04-04	09:14	0.0	0.0	NA	NA	NA	NA	No	NA
2022-04-25	08:56	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-02	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-09	09:11	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-16	08:26	0.0	0.0	NA	NA	NA	NA	No	NA
2022-05-23	08:23	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-03	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-06	09:21	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-13	08:35	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-20	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
2022-06-28	09:08	0.0	0.0	NA	NA	NA	NA	No	NA
2022-07-08	10:40	0.0	0.0	NA	NA	NA	NA	No	NA
2022-07-11	08:51	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-02	09:32	0.0	2.5'	NA	NA	NA	NA	No	NA
2022-08-12	08:26	0.0	0.5	NA	NA	NA	NA	No	NA
2022-08-15	08:15	0.0	0.0	NA	NA	NA	NA	No	NA
2022-08-23	09:02	0.0	1.3	NA	NA	NA	NA	No	NA
2022-08-30	09:36	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-06	09:50	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-12	09:00	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-19	09:36	0.0	0.0	NA	NA	NA	NA	No	NA
2022-09-26	10:20	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-04	10:05	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-18	10:38	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-20	08:56	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-25	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
2022-10-27	08:44	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-01	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-03	08:56	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-08	10:45	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-10	09:20	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-15	09:09	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-17	09:05	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-20	09:50	0.0	0.0	NA	NA	NA	NA	No	NA
2022-11-22	08:40	0.0	0.1	NA	NA	NA	NA	No	NA
2022-11-28	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
2022-12-19	08:45	0.0	0.0	NA	NA	NA	NA	No	NA
2022-12-27	08:36	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-03	08:32	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-09	08:57	0.0	0.0	NA	NA	NA	NA	No	NA
2023-01-16	08:50	0.0	0.1	NA	NA	NA	NA	No	NA
2023-01-23	08:30	0.0	0.0	NA	NA	NA	NA	No	NA
2023-02-13	09:41	0.0	0.0	NA	NA	NA	NA	No	NA
2023-02-20	09:16	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-02	09:10	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-09	08:47	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-16	08:37	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-23	09:10	0.0	0.0	NA	NA	NA	NA	No	NA
2023-03-30	09:30	0.0	0.0	NA	NA	NA	NA	No	NA
2023-04-06	08:40	0.0	0.0	NA	NA	NA	NA	No	NA
2023-04-24	09:55	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-04	08:55	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-11	09:23	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-15	08:40	0.0	0.0	NA	NA	NA	NA	No	NA
2023-05-22	08:10	0.0	0.1	NA	NA	NA	NA	No	NA
2023-05-30	09:00	0.0	0.0	NA	NA	NA	NA	No	NA
2023-06-05	09:41	0.0	0.0	NA	NA	NA	NA	No	NA
2023-06-12	09:04	0.0	0.1	NA	NA	NA	NA	No	NA
2023-06-19	09:35	0.0	0.0	NA	NA	NA	NA	No	NA
2023-07-03	09:23	0.0	0.0	NA	NA	NA	NA	No	NA

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 (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
12/14/2021	09:30	0.1	0.1	202.28	N-1	-0.93	201.35	No	NA
12/22/2021	09:09	NC2	NC2	201.54	N-1	-0.93	200.61	No	NA
12/29/2021	07:45	0.0	0.6	201.54	N-1	-0.93	200.61	No	NA
2022-01-05	08:00	0.0	0.0	201.22	N-2	-0.93	200.29	No	NA
2022-01-12	08:20	0.0	0.0	201.16	N-2	-0.93	200.23	No	NA
2022-01-17	08:45	0.0	0.1	201.13	N-2	-0.93	200.20	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	07:30	0.1	0.0	201.98	N-2	-0.93	201.05	No	NA
2022-03-08	07:30	0.1	0.0	201.51	N-2	-0.93	200.58	No	NA
2022-03-15	09:10	0.0	3.4	201.54	N-2	-0.93	200.61	No	NA
2022-03-22	11:45	0.0	0.0	201.52	N-4	-1.03	200.49	No	NA
2022-03-31	08:45	0.1	6.7	201.45	N-3	-0.99	200.46	No	NA
2022-04-04	07:50	0.0	0.5	201.44	N-3	-0.99	200.45	No	NA
2022-04-26	08:00	0.0	0.0	201.42	N-3	-0.99	200.43	No	NA
2022-05-03	08:00	0.0	0.0	201.40	N-3	-0.99	200.41	No	NA
2022-05-10	08:00	0.0	0.0	201.41	N-3	-0.99	200.42	No	NA
2022-05-17	08:10	0.0	0.0	201.45	N-4	-1.03	200.42	No	NA
2022-05-23	08:20	0.1	0.7	201.37	N-3	-0.99	200.38	No	NA
2022-06-01	07:50	0.1	0.0	201.42	N-4	-1.03	200.39	No	NA
2022-06-07	08:00	0.0	0.0	201.46	N-4	-1.03	200.43	No	NA
2022-06-14	07:51	0.0	0.0	201.50	N-4	-1.03	200.47	No	NA
2022-06-21	08:40	0.0	0.0	201.47	N-3	-0.99	200.48	No	NA
2022-06-29	08:00	0.0	0.0	201.57	N-3	-0.99	200.58	No	NA
2022-07-08	10:25	0.0	0.1	201.58	N-3	-0.99	200.59	No	NA
2022-07-11	08:15	0.0	0.0	201.62	N-3	-0.99	200.63	No	NA
2022-08-02	08:10	0.0	0.1	201.74	N-3	-0.99	200.75	No	NA
2022-08-09	08:10	0.0	0.0	201.77	N-3	-0.99	200.78	No	NA
2022-08-16	08:00	0.0	0.0	201.83	N-3	-0.99	200.84	No	NA
2022-08-25	07:55	0.0	0.9	201.88	N-3	-0.99	200.89	No	NA
2022-09-01	08:09	0.0	0.1	201.96	N-4	-1.03	200.93	No	NA
2022-09-07	08:00	0.0	0.0	201.99	N-4	-1.03	200.96	No	NA
2022-09-13	07:55	0.0	0.0	201.93	N-4	-1.03	200.90	No	NA
2022-09-22	11:20	0.0	0.0	201.96	01-8854	-0.19	201.77	No	NA
2022-09-27	08:10	0.0	0.2	201.85	N-5	-0.93	200.92	No	NA
2022-10-04	07:50	0.0	0.2	201.95	N-3	-0.99	200.96	No	NA
2022-10-18	08:15	0.0	0.3	201.97	N-6	-0.98	200.99	No	NA
2022-10-20	10:35	0.1	0.0	201.93	N-6	-0.98	200.95	No	NA
2022-10-24	08:15	0.0	0.0	201.91	N-5	-0.93	200.98	No	NA
2022-10-27	10:03	0.1	0.1	201.90	N-5	-0.93	200.97	No	NA
2022-11-01	11:08	0.0	0.1	201.96	N-4	-1.03	200.93	No	NA
2022-11-03	08:00	0.0	0.1	202.18	N-6	-0.98	201.20	No	NA
2022-11-07	11:00	0.0	0.0	201.75	N-6	-0.98	200.77	No	NA
2022-11-10	08:45	0.0	0.0	201.96	N-4	-1.03	200.93	No	NA
2022-11-15	09:35	0.0	0.1	201.94	N-6	-0.98	200.96	No	NA
2022-11-17	10:20	0.0	0.1	201.94	N-3	-0.99	200.95	No	NA
2022-11-19	12:30	0.0	0.0	201.93	N-6	-0.98	200.95	No	NA
2022-11-22	10:10	0.0	0.0	202.00	N-4	-1.03	200.97	No	NA
2022-11-29	09:45	0.1	0.1	201.83	N-3	-0.99	200.84	No	NA
2022-12-20	11:02	0.0	0.0	201.82	N-3	-0.99	200.83	No	NA
2022-12-28	12:15	0.0	0.0	201.87	N-4	-1.03	200.84	No	NA
2023-01-04	10:45	0.0	0.0	201.90	N-3	-0.99	200.91	No	NA
2023-01-10	11:05	0.0	0.0	201.97	N-4	-1.03	200.94	No	NA
2023-01-17	13:27	0.0	0.1	201.87	N-3	-0.99	200.88	No	NA
2023-01-25	11:50	0.0	0.0	201.95	N-3	-0.99	200.96	No	NA
2023-02-14	10:55	0.0	0.0	201.81	N-5	-0.93	200.88	No	NA
2023-02-21	13:20	0.0	0.0	201.76	N-5	-0.93	200.83	No	NA
2023-02-28	11:00	0.0	0.0	201.89	N-4	-1.03	200.86	No	NA
2023-03-06	11:50	0.0	0.0	201.72	N-3	-0.99	200.73	No	NA
2023-03-13	12:15	0.0	0.0	201.72	N-3	-0.99	200.73	No	NA
2023-03-20	10:45	0.0	0.1	201.77	N-5	-0.93	200.84	No	NA
2023-03-27	12:30	0.0	0.0	201.72	N-5	-0.93	200.79	No	NA
2023-04-03	11:05	0.0	0.0	201.85	N-3	-0.99	200.86	No	NA
2023-04-24	11:30	0.0	0.0	201.87	N-4	-1.03	200.84	No	NA
2023-05-01	11:08	0.0	0.0	201.67	N-6	-0.98	200.69	No	NA
2023-05-09	11:55	0.0	0.0	201.86	N-4	-1.03	200.83	No	NA
2023-05-15	10:25	0.0	0.0	201.72	N-6	-0.98	200.74	No	NA
2023-05-22	11:30	0.0	0.0	201.69	N-6	-0.98	200.71	No	NA
2023-05-31	10:56	0.0	0.0	201.78	N-3	-0.99	200.79	No	NA
2023-06-05	11:45	0.0	0.1	201.71	N-6	-0.98	200.73	No	NA
2023-06-12	10:22	0.0	0.0	201.72	N-4	-1.03	200.69	No	NA
2023-06-19	10:35	0.0	0.1	201.77	N-6	-0.98	200.79	No	NA
2023-07-07	11:45	0.0	0.0	202.06	N-6	-0.98	201.08	No	NA

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 202110507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Monitoring Well Headspace and Fuel Product Gauging

RHMW17									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW ² (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
6/15/2022 ²	12:20	0.0	8.8	237.90	N-4	-0.15	237.75	No	NA
2022-06-23	12:05	0.0	0.1	234.00	N-1	-0.04	233.96	No	NA
2022-07-01	12:40	0.0	0.0	234.09	N-4	-0.15	233.94	No	NA
2022-07-06	11:55	0.0	0.0	234.07	N-3	-0.11	233.96	No	NA
2022-07-12	12:40	0.0	0.0	234.07	N-3	-0.11	233.96	No	NA
2022-08-03	10:45	0.0	0.0	234.21	N-2	-0.04	234.17	No	NA
2022-08-10	10:50	0.0	0.2	234.25	N-3	-0.11	234.14	No	NA
2022-08-17	10:20	0.0	0.0	234.33	N-4	-0.15	234.18	No	NA
2022-08-24	11:20	0.1	0.3	234.36	N-3	-0.11	234.25	No	NA
2022-08-31	12:13	0.0	0.0	234.44	N-4	-0.15	234.29	No	NA
2022-09-09	12:50	0.0	0.0	234.23	N-4	-0.15	234.08	No	NA
2022-09-14	10:53	0.0	0.0	234.50	N-4	-0.15	234.35	No	NA
2022-09-21	12:15	0.0	0.0	234.52	01-8854	-0.20	234.32 ²	No	NA
2022-09-28	14:15	0.0	0.1	234.41	N-3	-0.11	234.30	No	NA
2022-10-05	12:17	0.0	0.3	234.44	N-3	-0.11	234.33	No	NA
2022-10-19	11:10	0.0	0.0	234.49	N-6	-0.10	234.39	No	NA
2022-10-21	11:25	0.0	0.0	234.54	N-3	-0.11	234.43	No	NA
2022-10-25	11:55	0.0	0.0	234.52	N-3	-0.11	234.41	No	NA
2022-10-28	11:45	0.0	0.1	234.45	N-4	-0.15	234.30	No	NA
2022-11-01	12:15	0.0	0.0	234.45	N-3	-0.11	234.34	No	NA
2022-11-03	11:00	0.0	0.0	234.49	N-5	-0.04	234.45	No	NA
2022-11-08	11:50	0.0	0.0	234.45	N-4	-0.15	234.30	No	NA
2022-11-10	11:10	0.0	0.0	234.40	N-5	-0.04	234.36	No	NA
2022-11-15	11:15	0.0	0.0	234.55	N-4	-0.15	234.40	No	NA
2022-11-17	12:41	0.0	0.0	234.56	N-4	-0.15	234.41	No	NA
2022-11-20	11:25	0.0	0.0	234.56	N-3	-0.11	234.45	No	NA
2022-11-22	08:10	0.0	0.0	234.45	N-5	-0.04	234.41	No	NA
2022-11-30	10:35	0.0	0.0	234.36	N-5	-0.04	234.32	No	NA
2022-12-21	11:15	0.0	0.0	234.44	N-3	-0.11	234.33	No	NA
2022-12-30	10:39	0.0	0.0	234.43	N-3	-0.11	234.32	No	NA
2023-01-06	10:23	0.0	0.1	234.50	N-3	-0.11	234.39	No	NA
2023-01-12	10:55	0.0	0.0	234.51	N-6	-0.10	234.41	No	NA
2023-01-19	10:57	0.0	0.0	234.47	N-3	-0.11	234.36	No	NA
2023-01-26	12:58	0.0	0.0	234.49	N-3	-0.11	234.38	No	NA
2023-02-16	12:45	0.0	0.0	234.38	N-3	-0.11	234.27	No	NA
2023-02-23	11:18	0.0	0.0	234.40	N-5	-0.04	234.36	No	NA
2023-03-02	13:30	0.0	0.0	234.23	N-5	-0.04	234.19	No	NA
2023-03-09	08:28	0.0	0.0	234.38	N-6	-0.10	234.28	No	NA
2023-03-16	12:10	0.0	0.0	234.31	N-3	-0.11	234.20	No	NA
2023-03-23	12:00	0.0	0.0	234.39	N-3	-0.11	234.28	No	NA
2023-03-30	11:34	1.0	1.0	234.34	N-6	-0.10	234.24	No	NA
2023-04-06	13:15	0.0	0.0	234.38	N-4	-0.15	234.23	No	NA
2023-04-26	12:10	0.0	0.0	234.35	N-5	-0.04	234.31	No	NA
2023-05-04	08:15	0.0	0.0	234.39	N-3	-0.11	234.28	No	NA
2023-05-11	12:25	0.0	0.0	234.37	N-3	-0.11	234.26	No	NA
2023-05-16	07:35	0.0	0.0	234.36	N-3	-0.11	234.25	No	NA
2023-05-25	12:00	0.0	0.0	234.35	N-6	-0.10	234.25	No	NA
2023-06-01	11:30	0.0	0.0	234.37	N-3	-0.11	234.26	No	NA
2023-06-07	11:01	0.0	0.0	234.39	N-4	-0.15	234.24	No	NA
2023-06-15	08:32	0.0	0.0	234.40	N-1	-0.09	234.31	No	NA
2023-06-22	08:45	0.0	0.0	234.58	N-4	-0.15	234.43	No	NA
2023-07-07	08:20	0.0	0.0	234.69	N-4	-0.15	234.54	No	NA

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 (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
1/7/2022	14:20	0.1	0.3	426.07	N-2	-0.27	425.80	No	NA
2022-01-12	09:10	0.0	0.0	426.09	N-2	-0.27	425.82	No	NA
2022-01-19	08:20	0.0	0.0	425.84	N-2	-0.27	425.57	No	NA
2022-01-25	08:00	0.0	0.0	425.84	N-2	-0.27	425.57	No	NA
2022-02-02	10:25	0.0	0.0	426.32	N-2	-0.27	426.05	No	NA
2022-02-09	09:08	0.0	0.0	426.41	N-2	-0.27	426.14	No	NA
2022-02-17	07:55	0.0	0.0	426.48	N-2	-0.27	426.21	No	NA
2022-02-24	07:15	0.0	0.0	426.28	N-2	-0.27	426.01	No	NA
2022-03-04	13:45	0.0	0.0	426.23	N-2	-0.27	425.96	No	NA
2022-03-09	07:40	0.0	0.0	426.49	N-4	-0.33	426.16	No	NA
2022-03-14	08:30	0.0	0.0	426.50	N-4	-0.33	426.17	No	NA
2022-03-21	08:10	0.0	0.0	426.48	N-4	-0.33	426.15	No	NA
2022-03-28	08:10	0.0	0.0	426.47	N-4	-0.33	426.14	No	NA
2022-04-08	08:25	0.0	0.0	426.39	N-3	-0.27	426.12	No	NA
2022-04-28	12:45	0.0	0.0	426.13	N-3	-0.27	425.86	No	NA
2022-05-02	11:40	0.0	0.0	426.41	N-4	-0.33	426.08	No	NA
2022-05-09	11:20	0.0	0.0	426.40	N-4	-0.33	426.07	No	NA
2022-05-18	10:38	0.0	0.0	426.34	N-4	-0.33	426.01	No	NA
2022-05-25	10:20	0.0	0.0	426.30	N-4	-0.33	425.97	No	NA
2022-06-01	11:05	0.0	0.0	426.33	N-3	-0.27	426.06	No	NA
2022-06-06	12:00	0.0	0.0	426.15	N-3	-0.27	425.88	No	NA
2022-06-16	15:35	0.0	0.0	426.38	N-3	-0.27	426.11	No	NA
2022-06-20	10:40	0.0	0.0	426.43	N-3	-0.27	426.16	No	NA
2022-06-28	11:07	0.0	0.0	426.33	N-3	-0.27	426.06	No	NA
2022-07-05	11:42	0.0	0.0	426.60	N-4	-0.33	426.27	No	NA
2022-07-11	08:52	0.0	0.0	426.64	N-4	-0.33	426.31	No	NA
2022-08-01	10:45	0.0	0.0	426.76	N-4	-0.33	426.43	No	NA
2022-08-08	10:25	0.0	0.0	426.79	N-4	-0.33	426.46	No	NA
2022-08-15	10:38	0.0	0.0	426.83	N-4	-0.33	426.50	No	NA
2022-08-22	10:30	0.0	0.0	426.89	N-4	-0.33	426.56	No	NA
2022-08-29	10:35	0.0	0.0	426.90	N-4	-0.33	426.57	No	NA
2022-09-07	09:30	0.0	0.0	426.70	N-3	-0.27	426.43	No	NA
2022-09-12	09:35	0.0	0.0	426.88	N-3	-0.27	426.61	No	NA
2022-09-19	12:20	0.0	0.0	427.28	01-8607	-0.43	426.85	No	NA
2022-09-26	11:10	0.0	0.0	426.90	N-3	-0.27	426.63	No	NA
2022-10-03	10:25	0.0	0.0	426.99	N-4	-0.33	426.66	No	NA
2022-10-17	10:15	0.0	0.0	427.10	N-4	-0.33	426.77	No	NA
2022-10-19	10:30	0.0	0.0	426.79	N-4	-0.33	426.46	No	NA
2022-10-24	10:20	0.0	0.1	426.83	N-4	-0.33	426.50	No	NA
2022-10-26	08:40	0.0	0.0	426.75	N-5	-0.24	426.51	No	NA
2022-10-31	10:23	0.0	0.0	426.95	N-6	-0.31	426.64	No	NA
2022-11-02	11:20	0.0	0.0	427.02	N-4	-0.33	426.69	No	NA
2022-11-07	10:51	0.0	0.0	426.68	N-3	-0.27	426.41	No	NA
2022-11-09	12:00	0.0	0.0	426.74	N-4	-0.33	426.41	No	NA
2022-11-14	11:24	0.0	0.0	426.78	N-4	-0.33	426.45	No	NA
2022-11-16	10:43	0.0	0.0	426.95	N-6	-0.31	426.64	No	NA
2022-11-19	10:15	0.0	0.0	426.91	N-5	-0.24	426.67	No	NA
2022-11-21	08:00	0.0	0.0	427.04	N-4	-0.33	426.71	No	NA
2022-11-28	10:15	0.0	0.0	426.48	N-3	-0.27	426.21	No	NA
2022-12-23	09:03	0.1	0.0	426.82	N-3	-0.27	426.55	No	NA
2022-12-27	09:55	0.1	0.0	426.61	N-5	-0.24	426.37	No	NA
2023-01-03	08:55	0.0	0.0	426.83	N-5	-0.24	426.59	No	NA
2023-01-09	08:30	0.0	0.0	426.88	N-5	-0.24	426.64	No	NA
2023-01-16	09:30	0.0	0.0	426.95	N-6	-0.31	426.64	No	NA
2023-01-23	13:14	0.2	0.0	426.88	N-5	-0.24	426.64	No	NA
2023-02-13	10:10	0.0	0.0	426.61	N-5	-0.24	426.37	No	NA
2023-02-20	10:35	0.0	0.0	426.73	N-4	-0.33	426.40	No	NA
2023-02-27	10:20	0.0	0.0	426.68	N-6	-0.31	426.37	No	NA
2023-03-06	10:10	0.0	0.0	426.50	N-5	-0.24	426.26	No	NA
2023-03-13	10:17	0.0	0.0	426.62	N-4	-0.33	426.29	No	NA
2023-03-20	10:30	0.0	0.0	426.64	N-6	-0.31	426.33	No	NA
2023-03-27	11:04	0.0	0.0	426.60	N-6	-0.31	426.29	No	NA
2023-04-03	09:30	0.0	0.0	426.60	N-5	-0.24	426.36	No	NA
2023-04-26	09:25	0.0	0.0	426.74	N-4	-0.33	426.41	No	NA
2023-05-03	09:49	0.0	0.0	426.63	N-6	-0.31	426.32	No	NA
2023-05-10	10:05	0.0	0.0	426.61	N-3	-0.27	426.34	No	NA
2023-05-17	09:43	0.0	0.0	426.66	N-6	-0.31	426.35	No	NA
2023-05-24	09:11	0.0	0.0	426.62	N-6	-0.31	426.31	No	NA
2023-06-01	09:18	0.0	0.0	426.65	N-6	-0.31	426.34	No	NA
2023-06-07	09:17	0.0	0.0	426.64	N-4	-0.33	426.31	No	NA
2023-06-13	09:25	0.0	0.0	426.50	N-6	-0.31	426.19	No	NA
2023-06-20	10:33	0.0	0.0	426.62	N-4	-0.33	426.29	No	NA
2023-07-06	11:10	0.0	0.0	426.90	N-6	-0.31	426.59	No	NA

Red Hill Bulk Fuel Storage Facility
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Monitoring Well Headspace and Fuel Product Gauging

RHMW20									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW ^{adj} (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
6/14/2023 ^m	08:15	0.0	0.0	237.54	N-3	-0.10	237.44	No	NA
2023-06-21	11:10	0.0	0.0	237.62	N-3	-0.06	237.56	No	NA
2023-07-06	14:35	0.0	0.0	237.90	N-6	-0.09	237.81	No	NA

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NMW24									
DATE	TIME	AMBIENT	HEADSPACE	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ft bloc)		Factor (ft)	DTW ^{adj} (ft bloc)	(Yes/No)	(ft)
2022-11-22	09:00	0.1	0.1	92.11	N-2	-0.11	92.00	No	NA
6/13/2023 ^{pm}	11:55	0.0	0.4	90.65	N-4	-0.14	90.51	No	NA
2023-06-20	11:30	0.0	0.3	90.68	N-1	-0.08	90.60	No	NA
2023-07-05	08:15	0.0	0.0	90.85	N-6	-0.12	90.73	No	NA

Red Hill Bulk Fuel Storage Facility
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 Monitoring Well Headspace and Fuel Product Gauging

OWDFMW01*									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
12/1/2021	11:40	0.1	0.1	120.44	N-2	-0.05	120.39	No	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
2022-01-04	12:40	0.0	0.0	119.52	N-2	-0.05	119.47	No	NA
2022-01-11	07:40	0.0	0.0	119.45	N-2	-0.05	119.40	No	NA
2022-01-17	09:00	0.0	0.0	119.47 ^a	01-7350	-0.03	119.44 ^b	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	10:45	0.0	0.0	119.88 ^b	31836	-0.03	119.85 ^b	No	NA
2022-03-10	07:25	0.0	0.0	119.91	N-3	-0.10	119.81	No	NA
2022-03-15	12:51	0.0	0.0	119.88	N-3	-0.10	119.78	No	NA
2022-03-23	08:18	0.0	0.0	119.55	N-3	-0.10	119.45	No	NA
2022-03-30	08:10	0.5	0.0	119.68	N-3	-0.10	119.58	No	NA
2022-04-07	08:45	0.0	0.0	119.84	N-3	-0.10	119.74	No	NA
2022-04-27	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
2022-05-11	08:20	0.0	0.0	119.82	N-3	-0.10	119.72	No	NA
2022-05-20	09:30	0.0	0.0	119.81	N-3	-0.10	119.71	No	NA
2022-05-25	07:50	0.0	0.0	119.87	N-3	-0.10	119.77	No	NA
2022-05-31	08:00	0.0	0.0	119.80	N-3	-0.10	119.70	No	NA
2022-06-09	07:45	0.0	0.0	119.92	N-4	-0.13	119.79	No	NA
2022-06-15	08:02	0.0	0.0	119.92	N-4	-0.13	119.79	No	NA
2022-06-24	07:45	0.0	0.0	120.00	N-4	-0.13	119.87	No	NA
2022-06-28	09:00	0.1	0.0	119.79	N-4	-0.13	119.66	No	NA
2022-07-06	08:00	0.0	0.0	120.02	N-3	-0.10	119.92	No	NA
2022-07-12	08:00	0.0	0.0	120.05	N-3	-0.10	119.95	No	NA
2022-08-03	07:50	0.0	0.1	119.98	N-3	-0.10	119.88	No	NA
2022-08-10	08:00	0.0	0.0	120.15	N-3	-0.10	120.05	No	NA
2022-08-17	11:05	0.0	0.0	119.67	N-3	-0.10	119.57	No	NA
2022-08-24	08:00	0.0	0.0	120.29	N-3	-0.10	120.19	No	NA
2022-08-31	08:35	0.0	0.0	120.36	N-3	-0.10	120.26	No	NA
2022-09-09	07:40	0.0	0.0	120.37	N-4	-0.13	120.24	No	NA
2022-09-14	07:55	0.0	0.0	120.31	N-1	-0.05	120.26	No	NA
2022-09-21	08:10	0.0	0.0	120.52	287303	-0.21	120.31 ^l	No	NA
2022-09-28	08:20	0.0	0.6	120.38	N-3	-0.10	120.28	No	NA
2022-10-05	08:00	0.0	0.1	120.42	N-3	-0.10	120.32	No	NA
2022-10-19	08:00	0.0	0.0	120.44	N-6	-0.10	120.34	No	NA
2022-10-21	07:50	0.0	0.0	120.46	N-3	-0.10	120.36	No	NA
2022-10-25	08:00	0.0	0.0	120.45	N-3	-0.10	120.35	No	NA
2022-10-28	07:45	0.0	0.1	120.44	N-3	-0.10	120.34	No	NA
2022-11-02	08:10	0.0	0.0	120.41	N-5	-0.04	120.37	No	NA
2022-11-04	07:50	0.0	0.0	120.41	N-3	-0.10	120.31	No	NA
2022-11-09	09:25	0.0	0.0	120.35	N-6	-0.10	120.25	No	NA
2022-11-11	08:05	0.0	0.0	120.36	N-3	-0.10	120.26	No	NA
2022-11-16	08:20	0.0	0.0	120.42	N-3	-0.10	120.32	No	NA
2022-11-18	08:00	0.2	5.3	120.37	N-5	-0.04	120.33	No	NA
2022-11-20	07:25	0.0	0.0	120.43	N-6	-0.10	120.33	No	NA
2022-11-23	07:45	0.0	0.0	120.40	N-3	-0.10	120.30	No	NA
2022-11-30	08:00	0.0	0.0	120.28	N-5	-0.04	120.24	No	NA
2022-12-21	08:12	0.0	0.0	120.35	N-3	-0.10	120.25	No	NA
2022-12-30	07:40	0.0	0.2	120.35	N-3	-0.10	120.25	No	NA
2023-01-06	08:00	0.0	0.1	120.39	N-3	-0.10	120.29	No	NA
2023-01-12	07:55	0.0	0.0	120.41	N-6	-0.10	120.31	No	NA
2023-01-19	07:47	0.0	0.0	120.37	N-3	-0.10	120.27	No	NA
2023-01-26	08:40	0.0	0.0	120.45	N-3	-0.10	120.35	No	NA
2023-02-16	08:35	0.0	7.6	120.32	N-3	-0.10	120.22	No	NA
2023-02-23	08:00	0.0	0.0	120.26	N-5	-0.04	120.22	No	NA
2023-03-02	08:05	0.0	0.0	120.22	N-5	-0.04	120.18	No	NA
2023-03-09	10:47	0.0	0.0	120.22	N-6	-0.10	120.12	No	NA
2023-03-16	08:10	0.0	0.0	120.25	N-3	-0.10	120.15	No	NA
2023-03-23	08:20	0.0	0.0	120.28	N-3	-0.10	120.18	No	NA
2023-03-30	08:18	0.2	0.1	120.29	N-6	-0.10	120.19	No	NA
2023-04-06	09:05	0.0	0.0	120.31	N-4	-0.13	120.18	No	NA
2023-04-24	09:30	0.0	0.3	120.30	N-6	-0.10	120.20	No	NA
2023-05-04	08:00	0.0	0.0	120.29	N-6	-0.10	120.19	No	NA
2023-05-11	08:29	0.0	0.0	120.32	N-3	-0.10	120.22	No	NA
2023-05-18	07:55	0.0	0.0	120.30	N-3	-0.10	120.20	No	NA
2023-05-25	08:30	0.0	0.0	120.29	N-6	-0.10	120.19	No	NA
2023-06-01	07:50	0.0	0.1	120.30	N-3	-0.10	120.20	No	NA
2023-06-08	11:45	0.0	0.0	120.28	N-4	-0.13	120.15	No	NA
2023-06-13	10:56	0.0	0.0	120.07	N-1	-0.06	120.01	No	NA
2023-06-22	08:02	0.0	0.0	120.38	N-6	-0.10	120.28	No	NA

Red Hill Bulk Fuel Storage Facility
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 Monitoring Well Headspace and Fuel Product Gauging

RHMW2254-01									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW ² (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
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
2022-01-03	08:20	0.4	0.4	NA	NA	NA	NA	No	NA
2022-01-10	09:30	0.2	0.2	NA	NA	NA	NA	No	NA
2022-01-20	08:50	1.1	1.1	NA	NA	NA	NA	No	NA
2022-01-24	08:00	0.1	0.1	NA	NA	NA	NA	No	NA
2022-02-03	08:35	1.6	1.6	87.86	N-1	-0.01	87.85	No	NA
2022-02-10	08:45	0.0	0.0	87.91	N-1	-0.01	87.90	No	NA
2022-02-17	08:15	0.6	0.6	87.90	N-1	-0.01	87.89	No	NA
2022-02-22	08:23	1.4	1.4	87.96	N-1	-0.01	87.95	No	NA
2022-03-03	08:10	0.2	0.2	88.12 ^b	311836	0.00	88.12 ^b	No	NA
2022-03-09	12:50	0.0	0.0	88.01	N-2	-0.01	88.00	No	NA
2022-03-17	08:30	0.0	0.0	87.99	N-2	-0.01	87.98	No	NA
2022-03-24	08:30	0.8	0.8	87.97	N-2	-0.01	87.96	No	NA
2022-03-29	09:55	0.0	0.0	87.94	N-2	-0.01	87.93	No	NA
2022-04-07	09:45	0.3	0.3	87.86	N-1	-0.01	87.85	No	NA
2022-04-28	10:00	0.1	0.1	87.83	N-1	-0.01	87.82	No	NA
2022-05-05	10:20	0.4	0.4	87.81	N-1	-0.01	87.80	No	NA
2022-05-12	08:45	0.0	0.0	87.84	N-1	-0.01	87.83	No	NA
2022-05-19	08:30	0.0	0.0	87.88	N-1	-0.01	87.87	No	NA
2022-05-26	10:15	0.0	0.0	87.82	N-1	-0.01	87.81	No	NA
2022-06-02	09:37	0.0	0.1	88.08	N-2	-0.01	88.07	No	NA
2022-06-09	08:30	0.0	0.0	88.17	N-1	-0.01	88.16	No	NA
2022-06-16	08:15	0.0	0.0	87.96	N-1	-0.01	87.95	No	NA
2022-06-23	09:36	0.0	0.0	87.99	N-1	-0.01	87.98	No	NA
2022-07-01	08:55	0.0	0.0	88.09	N-1	-0.01	88.08	No	NA
2022-07-07	08:35	0.0	0.0	88.08	N-1	-0.01	88.07	No	NA
2022-07-13	08:18	0.0	0.0	88.09	N-1	-0.01	88.08	No	NA
2022-08-04	08:40	0.0	0.0	88.12	N-1	-0.01	88.11	No	NA
2022-08-11	12:55	0.0	0.0	88.16	N-1	-0.01	88.15	No	NA
2022-08-18	11:30	0.0	0.3	88.08	N-1	-0.01	88.07	No	NA
2022-08-25	09:50	0.0	0.0	88.53	N-1	-0.01	88.52	Yes ^a	0.0
2022-09-01	09:34	0.1	0.1	88.46	N-1	-0.01	88.45	No	NA
2022-09-08	08:15	0.0	0.0	88.48	N-1	-0.01	88.47	No	NA
2022-09-15	08:05	0.0	0.0	88.48	N-1	-0.01	88.47	No	NA
2022-09-22	11:55	0.1	0.1	88.86	01-8859	0.00	88.86 ^b	No	NA
2022-09-29	08:36	0.0	0.0	88.45	N-3	-0.06	88.39	No	NA
2022-10-06	08:20	0.0	0.0	88.47	N-1	-0.02	88.45	No	NA
2022-10-18	08:18	0.0	0.0	88.49	N-5	0.00	88.49	No	NA
2022-10-20	08:45	0.0	0.0	88.46	N-1	-0.02	88.44	No	NA
2022-10-25	08:40	0.0	0.0	88.62	N-5	0.00	88.62	No	NA
2022-10-27	08:00	0.0	0.0	88.46	N-3	-0.06	88.40	No	NA
2022-11-01	08:30	0.0	0.0	88.66	N-3	-0.06	88.60	No	NA
2022-11-03	08:20	0.0	0.0	88.43	N-5	0.00	88.43	No	NA
2022-11-08	09:40	0.0	0.0	88.42	N-4	-0.08	88.34	No	NA
2022-11-10	08:30	0.0	0.0	88.56	N-5	0.00	88.56	No	NA
2022-11-15	07:55	0.0	0.0	88.79	N-4	-0.08	88.71	No	NA
2022-11-17	10:44	0.0	0.0	88.64	N-4	-0.08	88.56	No	NA
2022-11-20	08:38	0.0	0.0	88.52	N-3	-0.06	88.46	No	NA
2022-11-22	10:03	0.2	0.2	88.38	N-5	0.00	88.38	No	NA
2022-12-01	11:25	0.0	0.0	88.36	N-6	-0.06	88.30	No	NA
2022-12-21	12:24	0.0	0.0	88.25	N-5	0.00	88.25	No	NA
2022-12-29	11:05	0.0	0.0	88.46	N-5	0.00	88.46	No	NA
2023-01-05	08:32	0.0	0.0	88.32	N-5	0.00	88.32	No	NA
2023-01-11	11:00	0.0	0.0	88.63	N-3	-0.06	88.57	No	NA
2023-01-18	11:07	0.0	0.0	88.57	N-3	-0.06	88.51	No	NA
2023-01-26	11:45	0.0	0.0	88.64	N-4	-0.08	88.56	No	NA
2023-02-15	11:43	0.0	0.0	88.23	N-3	-0.06	88.17	No	NA
2023-02-22	11:50	0.0	0.0	88.33	N-3	-0.06	88.27	No	NA
2023-03-01	10:25	0.0	0.0	88.26	N-3	-0.06	88.20	No	NA
2023-03-08	11:00	0.0	0.0	88.34	N-6	-0.06	88.28	No	NA
2023-03-16	11:10	0.0	0.0	88.24	N-6	-0.06	88.18	No	NA
2023-03-22	09:48	0.0	0.0	88.37	N-5	0.00	88.37	No	NA
2023-03-29	10:20	0.0	0.0	88.53	N-4	-0.08	88.45	No	NA
2023-04-05	08:45	0.0	0.0	88.29	N-5	0.00	88.29	No	NA
2023-04-26	09:30	0.0	0.0	88.57	N-5	0.00	88.57	No	NA
2023-05-04	10:48	0.0	0.0	88.40	N-3	-0.06	88.34	No	NA
2023-05-08	10:28	0.0	0.0	88.20	N-4	-0.08	88.12	No	NA
2023-05-16	09:59	0.0	0.0	88.39	N-6	-0.06	88.33	No	NA
2023-05-23	08:34	0.0	0.0	87.19	N-4	-0.08	87.11	No	NA
2023-05-30	08:30	0.0	0.0	87.43	N-4	-0.08	87.35	No	NA
2023-06-08	08:45	0.0	0.0	88.39	N-4	-0.08	88.31	No	NA
2023-06-15	09:33	0.0	0.0	87.75	N-6	-0.06	87.69	No	NA
2023-06-22	11:10	0.4	0.4	88.48	N-6	-0.06	88.42	No	NA
2023-07-03	14:45	0.0	0.0	88.66	N-4	-0.08	88.58	No	NA

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 202110507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Monitoring Well Headspace and Fuel Product Gauging

OWDFMW04A									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
12/30/2021	08:49	13.1	0.0	148.55	N-1	-0.05	148.50	No	NA
2022-01-06	12:40	0.0	0.0	148.23	N-2	-0.05	148.18	No	NA
2022-01-13	11:30	0.0	0.0	148.23	N-2	-0.05	148.18	No	NA
2022-01-16	11:48	0.0	0.0	148.19	N-2	-0.05	148.14	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	10:40	0.1	0.0	148.69	N-2	-0.05	148.64	No	NA
2022-03-09	10:30	0.1	0.0	148.40	N-3	-0.11	148.29	No	NA
2022-03-16	11:20	0.1	0.0	148.68	N-3	-0.11	148.57	No	NA
2022-03-21	11:20	0.4	0.2	148.68	N-3	-0.11	148.57	No	NA
2022-03-28	10:50	0.1	0.0	148.63	N-3	-0.11	148.52	No	NA
2022-04-05	10:20	0.0	0.2	148.61	N-3	-0.11	148.50	No	NA
2022-04-25	10:04	0.0	0.0	148.62	N-3	-0.11	148.51	No	NA
2022-05-02	11:00	0.0	0.0	148.62	N-3	-0.11	148.51	No	NA
2022-05-09	12:15	0.0	0.0	148.57	N-3	-0.11	148.46	No	NA
2022-05-18	10:18	0.0	0.0	148.65	N-4	-0.14	148.51	No	NA
2022-05-23	12:10	0.0	0.0	148.56	N-3	-0.11	148.45	No	NA
2022-06-03	10:10	0.1	0.0	148.63	N-4	-0.14	148.49	No	NA
2022-06-06	11:25	0.0	0.0	148.63	N-4	-0.14	148.49	No	NA
2022-06-13	10:15	0.0	0.0	148.74	N-4	-0.14	148.60	No	NA
2022-06-22	10:35	0.0	0.1	148.72	N-4	-0.14	148.58	No	NA
2022-06-30	10:45	0.0	0.0	148.80	N-3	-0.11	148.69	No	NA
2022-07-05	13:05	0.0	0.0	148.78	N-3	-0.11	148.67	No	NA
2022-07-15	10:45	0.0	0.0	148.84	N-3	-0.11	148.73	No	NA
2022-08-01	10:40	0.0	0.0	148.93	N-3	-0.11	148.82	No	NA
2022-08-08	10:15	0.0	0.1	148.95	N-3	-0.11	148.84	No	NA
2022-08-15	10:55	0.1	0.1	148.98	N-3	-0.11	148.87	No	NA
2022-08-22	09:45	0.0	0.1	149.07	N-3	-0.11	148.96	No	NA
2022-08-29	11:30	0.0	0.0	149.07	N-3	-0.11	148.96	No	NA
2022-09-06	11:10	0.0	0.0	149.14	N-4	-0.14	149.00	No	NA
2022-09-12	11:05	0.0	0.0	149.05	N-4	-0.14	148.91	No	NA
2022-09-21	11:10	0.0	0.0	149.09	25142	-0.12	148.97	No	NA
2022-09-26	11:55	0.0	0.0	149.06	N-1	-0.07	148.99	No	NA
2022-10-03	10:35	0.0	0.0	149.05	N-3	-0.11	148.94	No	NA
2022-10-17	12:10	0.0	0.0	149.17	N-3	-0.11	149.06	No	NA
2022-10-21	12:50	0.0	0.0	149.12	N-6	-0.10	149.02	No	NA
2022-10-26	11:25	0.0	0.0	149.13	N-3	-0.11	149.02	No	NA
2022-10-28	11:30	0.0	32.4 ¹	149.05	N-6	-0.10	148.95	No	NA
2022-10-31	10:45	0.0	0.0	149.05	N-3	-0.11	148.94	No	NA
2022-11-04	10:29	0.0	0.0	148.96	N-5	-0.05	148.91	No	NA
2022-11-08	13:50	0.0	0.0	149.00	N-6	-0.10	148.90	No	NA
2022-11-11	11:05	0.0	0.0	149.11	N-6	-0.10	149.01	No	NA
2022-11-14	10:15	0.0	0.0	148.99	N-5	-0.05	148.94	No	NA
2022-11-18	10:50	0.0	0.0	149.15	N-4	-0.14	149.01	No	NA
2022-11-21	11:18	0.0	0.0	149.11	N-3	-0.11	149.00	No	NA
2022-11-23	10:10	0.0	0.3	149.03	N-6	-0.10	148.93	No	NA
2022-12-01	10:00	0.0	0.2	148.95	N-5	-0.05	148.90	No	NA
2022-12-19	10:40	0.0	0.0	148.89	N-3	-0.11	148.78	No	NA
2022-12-29	09:45	0.0	0.0	148.99	N-3	-0.11	148.88	No	NA
2023-01-05	09:55	0.0	0.0	149.04	N-3	-0.11	148.93	No	NA
2023-01-11	10:45	0.0	0.0	149.00	N-5	-0.05	148.95	No	NA
2023-01-18	10:50	0.0	0.0	149.00	N-5	-0.05	148.95	No	NA
2023-01-24	10:35	0.0	0.0	149.09	N-3	-0.11	148.98	No	NA
2023-02-15	10:45	0.0	0.9	148.91	N-5	-0.05	148.86	No	NA
2023-02-22	10:38	0.0	0.0	148.95	N-5	-0.05	148.90	No	NA
2023-02-28	12:35	0.0	0.0	148.92	N-5	-0.05	148.87	No	NA
2023-03-10	14:30	0.0	0.0	148.90	N-3	-0.11	148.79	No	NA
2023-03-15	09:12	0.0	0.0	148.92	N-6	-0.10	148.82	No	NA
2023-03-22	11:20	0.0	0.0	148.96	N-3	-0.11	148.85	No	NA
2023-03-29	10:25	0.0	0.1	148.96	N-6	-0.10	148.86	No	NA
2023-04-05	09:40	0.0	0.0	149.03	N-4	-0.14	148.89	No	NA
2023-04-28	10:30	0.0	0.0	149.01	N-3	-0.11	148.90	No	NA
2023-05-02	10:36	0.0	0.0	148.93	N-6	-0.10	148.83	No	NA
2023-05-10	10:05	0.0	0.0	149.04	N-4	-0.14	148.90	No	NA
2023-05-17	10:30	0.0	0.0	149.04	N-4	-0.14	148.90	No	NA
2023-05-24	13:47	0.0	0.0	149.00	N-4	-0.14	148.86	No	NA
2023-06-02	11:11	0.0	0.0	148.90	N-4	-0.14	148.76	No	NA
2023-06-09	11:00	0.0	0.0	148.89	N-4	-0.14	148.75	No	NA
2023-06-13	12:05	0.0	0.0	148.86	N-4	-0.14	148.72	No	NA
2023-06-20	11:07	0.0	0.0	148.90	N-6	-0.10	148.80	No	NA

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 (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLSN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
12/31/2021	09:15	0.0	0.0	100.29	N-1	-0.04	100.25	No	NA
2022-01-06	08:35	0.0	2.1	100.06	N-1	-0.04	100.02	No	NA
2022-01-13	08:05	0.0	0.0	100.02	N-1	-0.04	99.98	No	NA
2022-01-16	08:20	0.0	0.0	100.09	N-1	-0.04	100.05	No	NA
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL
NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	NC-WL	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	07:30	0.1	0.0	100.48	N-2	-0.04	100.44	No	NA
2022-03-07	12:35	0.1	0.0	101.46	N-3	-0.09	101.37	No	NA
2022-03-17	08:00	0.2	0.0	100.45	N-3	-0.09	100.36	No	NA
2022-03-22	09:00	1.2	0.0	100.49	N-2	-0.04	100.45	No	NA
2022-03-28	08:30	0.1	0.0	100.44	N-3	-0.09	100.35	No	NA
2022-04-05	08:20	0.1	0.3	100.41	N-3	-0.09	100.32	No	NA
2022-04-25	07:45	0.0	0.0	100.43	N-3	-0.09	100.34	No	NA
2022-05-02	08:15	0.0	0.0	100.40	N-3	-0.09	100.31	No	NA
2022-05-09	08:15	0.0	0.0	100.41	N-3	-0.09	100.32	No	NA
2022-05-18	08:10	0.0	0.0	100.44	N-4	-0.12	100.32	No	NA
2022-05-23	08:20	0.2	1.4	100.41	N-3	-0.09	100.32	No	NA
2022-06-03	07:45	0.1	0.0	100.44	N-4	-0.12	100.32	No	NA
2022-06-06	08:00	0.0	0.0	100.44	N-4	-0.12	100.32	No	NA
2022-06-13	08:00	0.0	0.0	100.54	N-4	-0.12	100.42	No	NA
2022-06-20	12:30	0.0	0.0	100.39	N-3	-0.09	100.30	No	NA
2022-06-30	08:00	0.0	0.0	100.59	N-3	-0.09	100.50	No	NA
2022-07-08	08:05	0.0	0.0	100.61	N-3	-0.09	100.52	No	NA
2022-07-15	08:00	0.0	0.0	100.60	N-3	-0.09	100.51	No	NA
2022-08-01	08:15	0.0	0.0	100.73	N-3	-0.09	100.64	No	NA
2022-08-08	08:00	0.0	0.1	100.79	N-3	-0.09	100.70	No	NA
2022-08-15	08:35	0.1	0.1	100.79	N-3	-0.09	100.70	No	NA
2022-08-22	08:00	0.0	0.0	100.86	N-3	-0.09	100.77	No	NA
2022-08-29	08:35	0.0	0.0	100.80	N-3	-0.09	100.71	No	NA
2022-09-06	08:15	0.0	0.0	100.98	N-4	-0.12	100.86	No	NA
2022-09-12	08:20	0.0	0.0	100.85	N-4	-0.12	100.73	No	NA
2022-09-19	11:20	0.0	0.1	100.86	25142	-0.09	100.77	No	NA
2022-09-26	09:10	0.0	0.0	100.83	N-1	-0.06	100.77	No	NA
2022-10-03	08:05	0.0	0.0	100.92	N-3	-0.09	100.83	No	NA
2022-10-17	08:20	0.0	0.0	101.02	N-3	-0.09	100.93	No	NA
2022-10-21	08:10	0.0	0.0	100.97	N-6	-0.09	100.88	No	NA
2022-10-26	08:20	0.0	0.0	100.93	N-3	-0.09	100.84	No	NA
2022-10-28	08:20	0.0	0.0	100.87	N-6	-0.09	100.78	No	NA
2022-10-31	08:10	0.0	0.0	100.92	N-3	-0.09	100.83	No	NA
2022-11-04	08:00	0.0	0.0	100.82	N-5	-0.03	100.79	No	NA
2022-11-08	09:05	0.0	0.0	100.79	N-1	-0.06	100.73	No	NA
2022-11-11	07:50	0.0	0.0	101.05	N-6	-0.09	100.96	No	NA
2022-11-14	08:05	0.0	0.1	100.82	N-5	-0.03	100.79	No	NA
2022-11-18	08:30	0.0	0.0	100.93	N-4	-0.12	100.81	No	NA
2022-11-21	08:43	0.0	0.0	100.94	N-3	-0.09	100.85	No	NA
2022-11-23	07:50	0.0	0.0	100.89	N-6	-0.09	100.80	No	NA
2022-12-01	07:45	0.0	1.4	100.79	N-5	-0.03	100.76	No	NA
2022-12-19	08:15	0.0	0.0	100.72	N-3	-0.09	100.63	No	NA
2022-12-29	08:00	0.0	0.0	100.82	N-3	-0.09	100.73	No	NA
2023-01-05	07:45	0.0	0.1	100.85	N-3	-0.09	100.76	No	NA
2023-01-11	08:20	0.0	0.1	100.82	N-5	-0.03	100.79	No	NA
2023-01-18	08:25	0.0	0.0	100.82	N-5	-0.03	100.79	No	NA
2023-01-24	08:50	0.0	0.0	100.91	N-3	-0.09	100.82	No	NA
2023-02-15	08:05	0.0	0.0	100.63	N-5	-0.03	100.60	No	NA
2023-02-22	08:00	0.0	0.0	100.73	N-5	-0.03	100.70	No	NA
2023-02-28	08:35	0.0	0.0	100.74	N-5	-0.03	100.71	No	NA
2023-03-10	13:30	0.0	0.0	100.71	N-3	-0.09	100.62	No	NA
2023-03-15	12:40	0.0	0.0	100.71	N-6	-0.09	100.62	No	NA
2023-03-22	07:50	0.0	0.0	100.77	N-3	-0.09	100.68	No	NA
2023-03-29	07:45	0.0	0.1	100.74	N-6	-0.09	100.65	No	NA
2023-04-05	07:40	0.0	0.0	100.82	N-4	-0.12	100.70	No	NA
2023-04-28	07:55	0.0	0.0	100.82	N-3	-0.09	100.73	No	NA
2023-05-02	07:45	0.0	0.0	100.73	N-6	-0.09	100.64	No	NA
2023-05-10	08:05	0.0	0.0	100.84	N-4	-0.12	100.72	No	NA
2023-05-17	07:55	0.0	0.0	100.81	N-4	-0.12	100.69	No	NA
2023-05-24	08:12	0.0	0.1	100.78	N-4	-0.12	100.66	No	NA
2023-06-02	07:50	0.0	0.0	100.67	N-4	-0.12	100.55	No	NA
2023-06-09	08:05	0.0	0.0	100.67	N-4	-0.12	100.55	No	NA
2023-06-16	08:20	0.0	0.0	100.70	N-4	-0.12	100.58	No	NA
2023-06-20	08:00	0.0	0.1	100.64	N-6	-0.09	100.55	No	NA

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 202110507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Monitoring Well Headspace and Fuel Product Gauging

OWDFMW07A									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLSN	Correction Factor (ft)	Corrected DTW ² (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
12/31/2021	13:40	0.0	0.0	101.19	N-1	-0.09	101.10	No	NA
2022-01-06	11:30	0.0	2.0	100.83	N-1	-0.09	100.74	No	NA
2022-01-13	11:20	1.7	1.5	100.89	N-1	-0.09	100.80	No	NA
2022-01-20	07:55	0.0	0.0	100.83	N-2	-0.09	100.74	No	NA
2022-01-24	12:24	0.0	0.0	100.87	N-2	-0.09	100.78	No	NA
2022-02-02	12:50	0.1	0.0	101.10	N-2	-0.09	101.01	No	NA
2022-02-09	12:30	0.0	0.0	101.16	N-1	-0.09	101.07	No	NA
2022-02-17	08:30	0.0	0.0	101.18	N-1	-0.09	101.09	No	NA
2022-02-23	00:40	0.1	0.0	101.40	N-2	-0.09	101.31	No	NA
2022-02-28	00:15	0.0	0.0	101.32	N-2	-0.09	101.23	No	NA
2022-03-09	07:30	0.0	0.0	101.34	N-3	-0.14	101.20	No	NA
2022-03-16	08:30	0.1	0.0	101.35	N-3	-0.14	101.21	No	NA
2022-03-23	11:10	0.3	0.0	101.36	N-2	-0.09	101.27	No	NA
2022-03-31	08:00	0.0	0.0	101.32	N-3	-0.14	101.18	No	NA
2022-04-07	07:50	0.0	0.0	101.32	N-3	-0.14	101.18	No	NA
2022-04-27	12:40	0.0	0.0	101.30	N-4	-0.17	101.13	No	NA
2022-05-05	08:45	0.0	0.0	101.27	N-3	-0.14	101.13	No	NA
2022-05-12	12:35	0.1	0.0	101.25	N-3	-0.14	101.11	No	NA
2022-05-19	11:33	0.0	0.0	101.31	N-4	-0.17	101.14	No	NA
2022-05-23	08:05	0.0	0.0	101.25	N-3	-0.14	101.11	No	NA
2022-06-02	08:00	0.1	0.0	101.32	N-4	-0.17	101.15	No	NA
2022-06-08	08:15	0.0	0.0	101.34	N-4	-0.17	101.17	No	NA
2022-06-16	08:00	0.0	0.0	101.35	N-4	-0.17	101.18	No	NA
2022-06-21	11:30	1.3	5.6	101.24	N-4	-0.17	101.07	No	NA
2022-07-01	09:07	0.0	0.0	101.42	N-3	-0.14	101.28	No	NA
2022-07-07	08:30	0.0	0.0	101.48	N-3	-0.14	101.34	No	NA
2022-07-13	08:00	0.0	0.0	101.52	N-3	-0.14	101.38	No	NA
2022-08-04	07:50	0.0	0.1	101.61	N-3	-0.14	101.47	No	NA
2022-08-11	08:30	0.0	0.0	101.65	N-3	-0.14	101.51	No	NA
2022-08-18	11:05	0.0	0.0	101.66	N-3	-0.14	101.52	No	NA
2022-08-23	08:00	0.0	0.0	101.76	N-3	-0.14	101.62	No	NA
2022-08-30	08:35	0.0	0.0	101.76	N-3	-0.14	101.62	No	NA
2022-09-08	08:50	0.0	0.2	101.80	N-4	-0.17	101.63	No	NA
2022-09-15	07:50	0.0	0.1	101.73	N-5	-0.09	101.64	No	NA
2022-09-20	09:15	0.0	0.0	101.80	25142	-0.09	101.71	No	NA
2022-09-29	08:00	0.0	0.0	101.82	N-4	-0.17	101.65	No	NA
2022-10-06	07:45	0.0	0.0	101.85	N-4	-0.17	101.68	No	NA
2022-10-17	08:00	0.0	0.0	101.79	N-6	-0.14	101.65	No	NA
2022-10-21	07:45	0.0	0.0	101.80	N-4	-0.17	101.63	No	NA
2022-10-24	07:45	0.2	0.0	101.82	N-3	-0.14	101.68	No	NA
2022-10-28	07:45	0.0	0.0	101.70	N-5	-0.09	101.61	No	NA
2022-10-31	08:25	0.0	0.0	101.81	N-4	-0.17	101.64	No	NA
2022-11-04	07:40	0.0	0.1	101.77	N-6	-0.14	101.63	No	NA
2022-11-08	08:00	0.0	0.0	101.69	N-6	-0.14	101.55	No	NA
2022-11-11	07:39	0.0	0.0	101.67	N-5	-0.09	101.59	No	NA
2022-11-14	08:05	0.0	0.0	101.76	N-6	-0.14	101.62	No	NA
2022-11-18	07:55	0.0	0.0	101.81	N-6	-0.14	101.67	No	NA
2022-11-20	10:20	0.0	0.0	101.82	N-4	-0.17	101.65	No	NA
2022-11-23	07:30	0.0	0.0	101.81	N-4	-0.17	101.64	No	NA
2022-11-28	08:00	0.0	0.1	101.45	N-5	-0.09	101.36	No	NA
2022-12-22	07:50	0.0	0.0	101.69	N-3	-0.14	101.55	No	NA
2022-12-27	08:00	0.0	0.0	101.70	N-3	-0.14	101.56	No	NA
2023-01-03	08:00	0.0	0.0	101.74	N-3	-0.14	101.60	No	NA
2023-01-09	07:55	0.0	0.0	101.79	N-3	-0.14	101.65	No	NA
2023-01-16	08:10	0.0	0.0	101.78	N-3	-0.14	101.64	No	NA
2023-01-23	07:55	0.0	0.0	101.81	N-3	-0.14	101.67	No	NA
2023-02-13	08:00	0.0	0.0	101.69	N-6	-0.14	101.55	No	NA
2023-02-24	08:20	0.0	0.0	101.71	N-6	-0.14	101.57	No	NA
2023-02-27	08:40	0.0	0.1	101.74	N-4	-0.17	101.57	No	NA
2023-03-07	07:45	0.0	0.0	101.56	N-3	-0.14	101.42	No	NA
2023-03-14	08:00	0.0	0.0	101.60	N-3	-0.14	101.46	No	NA
2023-03-24	07:40	0.0	0.2	101.61	N-5	-0.09	101.52	No	NA
2023-03-28	07:50	0.0	0.0	101.58	N-5	-0.09	101.49	No	NA
2023-04-04	07:45	0.0	0.0	101.63	N-5	-0.09	101.54	No	NA
2023-04-27	07:50	0.0	0.0	101.73	N-3	-0.14	101.59	No	NA
2023-05-01	08:00	0.0	0.0	101.49	N-4	-0.17	101.32	No	NA
2023-05-08	08:00	0.0	0.0	101.48	N-6	-0.14	101.34	No	NA
2023-05-15	08:10	0.0	0.0	101.53	N-4	-0.17	101.36	No	NA
2023-05-22	08:10	0.0	0.0	101.48	N-3	-0.14	101.34	No	NA
2023-05-30	07:50	0.1	0.1	101.48	N-3	-0.14	101.34	No	NA
2023-06-09	08:15	0.0	0.0	101.53	N-6	-0.14	101.39	No	NA
2023-06-13	08:15	0.0	0.0	101.55	N-4	-0.17	101.38	No	NA
2023-06-21	08:00	0.0	0.0	101.73	N-6	-0.14	101.59	No	NA

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 202110507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Monitoring Well Headspace and Fuel Product Gauging

OWDFMW06A									
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	Raw DTW (ft bloc)	WLSN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
12/30/2021	14:50	6.2	19.8	115.31	N-1	-0.10	115.21	No	NA
2022-01-06	08:45	0.0	0.0	115.16	N-1	-0.10	115.06	No	NA
2022-01-13	08:30	0.0	0.0	115.13	N-2	-0.10	115.03	No	NA
2022-01-16	08:10	0.0	0.0	114.97	N-2	-0.10	114.87	No	NA
2022-01-24	08:35	0.0	0.0	115.01	N-2	-0.10	114.91	No	NA
2022-02-02	08:15	0.4	0.3	115.30	N-1	-0.10	115.20	No	NA
2022-02-09	08:00	0.0	0.0	115.41	N-1	-0.10	115.31	No	NA
2022-02-16	08:45	0.0	0.0	115.38	N-1	-0.10	115.28	No	NA
2022-02-23	08:00	0.1	0.0	115.43	N-2	-0.10	115.33	No	NA
2022-02-28	07:30	0.1	0.0	115.44	N-2	-0.10	115.34	No	NA
2022-03-07	08:00	0.1	0.0	115.46	N-3	-0.15	115.31	No	NA
2022-03-17	11:00	0.2	0.0	115.51	N-3	-0.15	115.36	No	NA
2022-03-24	12:00	0.3	0.0	115.49	N-3	-0.15	115.34	No	NA
2022-03-31	10:30	0.0	0.0	115.46	N-3	-0.15	115.31	No	NA
2022-04-07	10:10	0.0	0.0	115.32	N-3	-0.15	115.17	No	NA
2022-04-27	08:45	0.0	0.0	115.45	N-4	-0.18	115.27	No	NA
2022-05-05	12:00	0.0	0.0	115.40	N-3	-0.15	115.25	No	NA
2022-05-12	08:35	0.0	0.0	115.41	N-3	-0.15	115.26	No	NA
2022-05-19	08:20	0.0	0.0	115.43	N-4	-0.18	115.25	No	NA
2022-05-26	10:10	0.0	0.0	115.37	N-3	-0.15	115.22	No	NA
2022-06-02	10:20	0.1	0.0	115.44	N-4	-0.18	115.26	No	NA
2022-06-08	10:55	0.0	0.0	115.45	N-4	-0.18	115.27	No	NA
2022-06-16	10:37	0.0	0.0	115.48	N-4	-0.18	115.30	No	NA
2022-06-23	08:00	0.0	0.0	115.54	N-4	-0.18	115.36	No	NA
2022-07-01	11:55	0.0	0.1	115.59	N-3	-0.15	115.44	No	NA
2022-07-07	08:30	0.0	0.0	115.52	N-3	-0.15	115.37	No	NA
2022-07-13	10:45	0.1	0.0	115.63	N-3	-0.15	115.48	No	NA
2022-08-04	10:18	0.0	0.1	115.70	N-3	-0.15	115.55	No	NA
2022-08-11	11:45	0.0	0.0	115.79	N-3	-0.15	115.64	No	NA
2022-08-19	08:50	0.0	0.0	115.82	N-3	-0.15	115.67	No	NA
2022-08-23	10:15	0.0	0.1	115.88	N-3	-0.15	115.73	No	NA
2022-08-31	11:53	0.0	0.0	115.87	N-3	-0.15	115.72	No	NA
2022-09-08	11:43	0.3	0.8	115.94	N-4	-0.18	115.76	No	NA
2022-09-15	10:15	0.0	0.1	115.82	N-5	-0.09	115.73	No	NA
2022-09-22	12:40	0.0	0.1	115.94	25142	-0.10	115.84	No	NA
2022-09-29	11:48	0.0	0.0	115.95	N-4	-0.18	115.77	No	NA
2022-10-06	10:57	0.0	0.0	115.99	N-4	-0.18	115.81	No	NA
2022-10-17	11:00	0.0	0.0	115.94	N-6	-0.15	115.79	No	NA
2022-10-21	10:25	0.0	0.0	116.03	N-4	-0.18	115.85	No	NA
2022-10-24	10:25	0.0	0.0	115.97	N-3	-0.15	115.82	No	NA
2022-10-28	10:48	0.0	0.0	115.83	N-5	-0.09	115.74	No	NA
2022-10-31	10:45	0.0	0.0	115.94	N-4	-0.18	115.76	No	NA
2022-11-04	10:48	0.0	0.1	115.85	N-6	-0.15	115.70	No	NA
2022-11-08	11:40	0.0	0.0	115.83	N-6	-0.15	115.68	No	NA
2022-11-11	10:40	0.0	0.0	115.82	N-5	-0.09	115.73	No	NA
2022-11-14	11:05	0.0	0.0	115.90	N-5	-0.09	115.81	No	NA
2022-11-18	11:40	0.0	0.0	115.93	N-6	-0.15	115.78	No	NA
2022-11-20	13:54	0.0	0.0	115.92	N-4	-0.18	115.74	No	NA
2022-11-23	09:45	0.0	0.0	115.96	N-4	-0.18	115.78	No	NA
2022-11-28	10:22	0.0	0.0	115.61	N-5	-0.09	115.52	No	NA
2022-12-22	11:05	0.0	0.0	115.83	N-3	-0.15	115.68	No	NA
2022-12-27	10:03	0.0	0.0	115.83	N-3	-0.15	115.68	No	NA
2023-01-03	10:05	0.0	0.0	115.88	N-3	-0.15	115.73	No	NA
2023-01-09	10:12	0.0	0.0	115.90	N-3	-0.15	115.75	No	NA
2023-01-16	10:10	0.0	0.0	115.91	N-3	-0.15	115.76	No	NA
2023-01-23	10:45	0.0	0.0	115.93	N-3	-0.15	115.78	No	NA
2023-02-13	11:05	0.0	0.0	115.83	N-6	-0.15	115.68	No	NA
2023-02-24	11:10	0.0	0.3	115.86	N-6	-0.15	115.71	No	NA
2023-02-27	11:05	0.0	0.4	115.90	N-4	-0.18	115.72	No	NA
2023-03-07	09:50	0.0	0.0	115.73	N-3	-0.15	115.58	No	NA
2023-03-14	10:10	0.0	0.0	115.75	N-3	-0.15	115.60	No	NA
2023-03-24	10:20	0.0	21.2	115.76	N-5	-0.09	115.67	No	NA
2023-03-28	09:55	0.0	16.4	115.72	N-5	-0.09	115.63	No	NA
2023-04-04	09:55	0.0	0.0	115.79	N-5	-0.09	115.70	No	NA
2023-04-27	10:07	0.0	0.0	115.87	N-3	-0.15	115.72	No	NA
2023-05-01	11:55	0.0	1.0	115.68	N-4	-0.18	115.50	No	NA
2023-05-08	10:30	0.0	0.1	115.66	N-6	-0.15	115.51	No	NA
2023-05-15	10:00	0.0	4.3	115.69	N-4	-0.18	115.51	No	NA
2023-05-22	09:57	0.0	0.7	115.60	N-3	-0.15	115.45	No	NA
2023-05-30	09:45	0.0	0.0	115.60	N-3	-0.15	115.45	No	NA
2023-06-09	10:45	0.0	0.0	115.70	N-6	-0.15	115.55	No	NA
2023-06-13	09:53	0.0	1.8	115.67	N-4	-0.18	115.49	No	NA
2023-06-21	10:09	0.0	0.8	115.89	N-6	-0.15	115.74	No	NA

Red Hill Bulk Fuel Storage Facility
 Notice of Interest 202110507-0852 (6 May 2021 Event)
 Notice of Interest 20211120-2330 (20 Nov 2021 Event)
 Monitoring Well Headspace and Fuel Product Gauging

RHP01										
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	JAR TEST (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
2022-06-20	9:15	0.0	0.0	0.0	138.36	285817	N/A	138.36	No	N/A
2022-07-05	11:30	0.0	2.1	0.0	138.53	311836	N/A	138.53	No	N/A
2022-07-18	10:45	0.0	0.0	0.0	138.58	350335	N/A	138.58	No	N/A
2022-08-01	9:00	0.0	0.0	0.0	138.9	N-1	0.00	138.90	No	N/A
2022-08-17	8:10	0.1	0.2	0.0	139.06	N-3	0.00	139.06	No	N/A
2022-09-01	8:15	0.0	0.0	0.0	139.4	N-2	0.00	139.40	No	N/A
2022-09-15	9:10	0.0	0.0	0.0	139.09	N-3	0.00	139.09	No	N/A
2022-10-07	7:55	0.0	0.1	0.0	139.27	N-3	0.00	139.27	No	N/A
2022-10-16	7:55	0.0	0.0	0.0	139.37	N-4	0.00	139.37	No	N/A
2022-10-18	8:00	0.0	0.0	0.0	139.37	N-4	0.00	139.37	No	N/A
2022-10-21	8:05	0.0	0.0	0.0	139.25	N-5	0.00	139.25	No	N/A
2022-10-26	8:00	0.0	0.0	0.0	139.33	N-4	0.00	139.33	No	N/A
2022-10-28	7:25	0.0	0.0	0.0	139.26	N-3	0.00	139.26	No	N/A
2022-11-01	8:22	0.0	0.0	0.0	139.27	N-5	0.00	139.27	No	N/A
2022-11-03	8:05	0.0	0.0	0.0	139.32	N-4	0.00	139.32	No	N/A
2022-11-08	8:30	0.0	0.0	0.0	139.09	N-5	0.00	139.09	No	N/A
2022-11-10	7:40	0.0	0.0	0.0	139.15	N-6	0.00	139.15	No	N/A
2022-11-15	7:45	0.0	0.0	0.0	139.21	N-5	0.00	139.21	No	N/A
2022-11-17	7:35	0.1	0.0	0.0	139.07	N-5	0.00	139.07	No	N/A
2022-11-19	9:50	0.0	0.0	0.0	139.27	N-3	0.00	139.27	No	N/A
2022-11-22	7:35	0.0	0.1	0.0	139.15	N-6	0.00	139.15	No	N/A
2022-12-09	8:05	0.0	0.0	0.0	139.27	N-4	0.00	139.27	No	N/A
2022-12-22	7:55	0.0	0.0	0.0	139.06	N-5	0.00	139.06	No	N/A
2023-01-12	8:00	0.0	0.0	0.0	139.06	N-3	0.00	139.06	No	N/A
2023-01-27	8:00	0.0	0.0	0.0	139.29	N-3	0.00	139.29	No	N/A
2023-02-03	8:25	0.0	0.0	0.0	139.25	N-3	0.00	139.25	No	N/A
2023-02-17	7:45	0.0	0.0	0.0	139.15	N-3	-0.08	139.07	No	N/A
2023-03-03	8:35	0.0	0.0	0.0	139.12	N-4	-0.11	139.01	No	N/A
2023-03-17	8:30	0.0	0.0	0.0	139.11	N-4	-0.11	139.00	No	N/A
2023-04-07	8:00	0.0	0.0	0.0	138.64	N-3	-0.08	138.56	No	N/A
2023-04-21	8:10	0.0	0.0	0.0	139.24	N-3	-0.08	139.16	No	N/A
2023-05-05	8:00	0.0	0.0	0.0	139.31	N-6	-0.07	139.24	No	N/A
2023-05-19	7:50	0.0	0.0	0.0	139.24	N-3	-0.08	139.16	No	N/A
6/16/2023**	08:00	0.0	0.0	NC	138.55	N-1	-0.08	138.47	No	NA
2023-06-23	7:30	0.0	0.0	NC	139.46	N-4	-0.11	139.35	No	N/A
2023-07-06	08:10	0.0	0.0	NC	139.56	N-3	-0.12	139.44	No	NA

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

RHP02										
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	JAR TEST (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
2022-06-08	9:30	0.1	0.0	N/A	118.98	286651	N/A	118.98	No	N/A
2022-06-20	1:12	0.1	0.0	0.0	122.40	285817	N/A	122.40	No	N/A
2022-07-06	8:30	0.0	0.0	0.1	122.53	3131836	N/A	122.53	No	N/A
2022-07-18	8:30	0.0	0.0	0.0	122.58	350335	N/A	122.58	No	N/A
2022-08-04	10:00	0.0	0.0	0.0	121.95	N-4	0.00	121.95	No	N/A
2022-08-19	8:00	0.0	0.0	0.0	122.16	N-4	0.00	122.16	No	N/A
2022-09-01	13:20	0.0	0.0	0.0	122.38	N-1	0.00	122.38	No	N/A
2022-09-15	11:10	0.0	0.0	0.0	122.38	N-3	0.00	122.38	No	N/A
2022-10-07	10:32	0.0	0.0	0.0	122.37	N-3	0.00	122.37	No	N/A
2022-10-16	10:50	0.0	0.0	0.0	122.37	N-4	0.00	122.37	No	N/A
2022-10-18	10:30	0.0	0.1	0.0	122.39	N-4	0.00	122.39	No	N/A
2022-10-21	10:50	0.0	0.0	0.0	122.31	N-5	0.00	122.31	No	N/A
2022-10-26	10:17	0.0	0.0	0.0	122.35	N-4	0.00	122.35	No	N/A
2022-10-28	9:15	0.0	0.0	0.0	122.39	N-3	0.00	122.39	No	N/A
2022-11-01	12:57	0.0	0.0	0.0	122.21	N-5	0.00	122.21	No	N/A
2022-11-03	10:15	0.0	0.0	0.0	122.34	N-4	0.00	122.34	No	N/A
2022-11-08	12:00	0.0	0.0	0.0	122.15	N-5	0.00	122.15	No	N/A
2022-11-10	10:10	0.0	0.0	0.0	122.26	N-6	0.00	122.26	No	N/A
2022-11-15	10:15	0.0	0.0	0.0	122.18	N-5	0.00	122.18	No	N/A
2022-11-17	9:23	0.0	0.0	0.0	122.18	N-5	0.00	122.18	No	N/A
2022-11-19	11:41	0.0	0.0	0.0	122.25	N-3	0.00	122.25	No	N/A
2022-11-22	9:35	0.0	0.0	0.0	122.24	N-6	0.00	122.24	No	N/A
2022-12-09	11:40	0.0	0.0	0.0	122.21	N-4	0.00	122.21	No	N/A
2022-12-22	10:03	0.0	0.0	0.0	122.02	N-5	0.00	122.02	No	N/A
2023-01-12	10:40	0.0	0.0	0.0	122.14	N-3	0.00	122.14	No	N/A
2023-01-27	8:00	0.0	0.0	0.0	122.31	N-3	0.00	122.31	No	N/A
2023-02-03	8:40	0.0	0.0	0.0	122.27	N-6	0.00	122.27	No	N/A
2023-02-17	9:40	0.0	0.0	0.0	122.10	N-3	-0.07	122.03	No	N/A
2023-03-03	10:42	0.0	0.0	0.0	122.01	N-4	-0.10	121.91	No	N/A
2023-03-17	11:14	0.0	0.0	0.0	122.10	N-4	-0.10	122.00	No	N/A
2023-04-07	12:30	0.0	0.1	0.0	121.35	N-3	-0.07	121.28	No	N/A
2023-04-21	10:45	0.0	0.0	0.0	121.92	N-3	-0.07	121.85	No	N/A
2023-05-05	11:15	0.0	0.0	0.0	122.09	N-6	-0.07	122.02	No	N/A
2023-05-19	10:15	0.0	0.0	0.0	121.94	N-3	-0.07	121.87	No	N/A
6/16/2023*	11:25	0.0	0.0	NC	122.05	N-1	-0.05	122.00	No	NA
2023-06-23	9:39	0.0	0.0	NC	122.31	N-4	-0.10	122.21	No	N/A
2023-07-06	11:12	0.0	0.0	NC	122.41	N-3	-0.09	122.32	No	NA

Red Hill Bulk Fuel Storage Facility
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RHP03										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft bloc)		Factor (ft)	DTW** (ft bloc)	(Yes/No)	(ft)
2022-08-11	8:15	0.0	0.0	0.0	118.83	N-4	0.00	118.83	No	N/A
2022-08-25	12:30	0.0	0.0	0.0	118.93	N-4	0.00	118.93	No	N/A
2022-09-08	9:50	0.0	0.0	0.0	118.95	N-3	0.00	118.95	No	N/A
2022-09-21	11:25	0.0	0.0	0.0	119.05	18859	N/A	119.05	No	N/A
2022-10-14	10:25	0.0	0.1	0.0	118.94	N-5	0.00	118.94	No	N/A
2022-10-17	11:15	0.0	2.9	1.5	119.01	N-1	0.00	119.01	No	N/A
2022-10-20	10:00	0.0	0.0	3.2	119.01	N-3	0.00	119.01	No	N/A
2022-10-25	11:15	0.0	0.0	0.0	119.02	N-6	0.00	119.02	No	N/A
2022-10-27	9:40	0.0	0.0	0.0	118.99	N-6	0.00	118.99	No	N/A
2022-11-02	10:20	0.0	0.0	0.0	119.00	N-3	0.00	119.00	No	N/A
2022-11-04	12:15	0.0	0.0	0.0	118.92	N-4	0.00	118.92	No	N/A
2022-11-09	13:42	0.0	0.0	0.0	118.95	N-6	0.00	118.95	No	N/A
2022-11-11	12:45	0.0	0.0	0.0	118.96	N-3	0.00	118.96	No	N/A
2022-11-16	12:45	0.0	0.2	0.0	118.98	N-4	0.00	118.98	No	N/A
2022-11-18	10:32	0.0	0.0	0.0	118.95	N-5	0.00	118.95	No	N/A
2022-11-20	10:17	0.0	0.0	0.0	119.05	N-6	0.00	119.05	No	N/A
2022-11-23	10:43	0.0	0.0	0.0	118.98	N-3	0.00	118.98	No	N/A
2022-12-09	8:42	0.0	0.0	0.0	118.96	N-1	0.00	118.96	No	N/A
2022-12-22	8:15	0.0	0.0	0.0	118.40	N-6	0.00	118.40	No	N/A
2023-01-13	8:05	0.0	0.0	0.0	118.91	N-5	0.00	118.91	No	N/A
2023-01-27	9:23	0.0	0.0	0.0	119.00	N-5	0.00	119.00	No	N/A
2023-02-03	12:10	0.0	0.0	0.0	119.05	N-4	0.00	119.05	No	N/A
2023-02-17	11:15	0.0	0.0	0.0	118.94	N-4	-0.10	118.84	No	N/A
2023-03-03	8:00	0.0	0.0	0.0	118.78	N-5	-0.01	118.77	No	N/A
2023-03-17	11:00	0.0	0.0	0.0	118.78	N-5	-0.01	118.77	No	N/A
2023-04-07	13:00	0.0	0.0	0.0	118.81	N-6	-0.07	118.74	No	N/A
2023-04-21	9:23	0.0	0.0	0.0	118.93	N-6	-0.07	118.86	No	N/A
2023-05-12	8:45	0.0	0.0	0.0	118.94	N-4	-0.10	118.84	No	N/A
2023-05-19	11:15	0.0	0.0	0.0	118.82	N-3	-0.07	118.75	No	N/A
6/16/2023*	13:28	0.0	0.0	NC	118.78	N-3	-0.09	118.69	No	NA
2023-06-23	11:31	0.0	0.0	NC	119.02	N-3	-0.07	118.95	No	N/A
2023-07-03	08:00	0.0	0.0	NC	119.12	N-3	-0.09	119.03	No	NA

Red Hill Bulk Fuel Storage Facility
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RHP04A										
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	JAR TEST (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW ^{adj} (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
2022-08-09	8:57	0.1	2.2	N/A	139.78	280106	N/A	139.78	No	N/A
2022-08-12	8:20	0	0.5	0.0	139.78	N-4	0.00	139.78	No	N/A
2022-09-08	8:00	0.1	0.4	0.0	139.89	N-3	0.00	139.89	No	N/A
2022-09-21	9:25	0.0	0.0	0.0	140.01	018859	N/A	140.01	No	N/A
2022-10-14	10:25	0.0	0.0	0.0	139.90	N-5	0.00	139.90	No	N/A
2022-10-17	8:05	0.0	0.0	0.0	139.96	N-1	0.00	139.96	No	N/A
2022-10-20	7:55	0.0	0.0	0.0	139.97	N-3	0.00	139.97	No	N/A
2022-10-25	7:55	0.0	0.0	0.0	139.96	N-6	0.00	139.96	No	N/A
2022-10-27	7:45	0.0	0.0	0.0	139.92	N-6	0.00	139.92	No	N/A
2022-11-02	8:00	0.0	0.0	0.0	139.97	N-3	0.00	139.97	No	N/A
2022-11-04	9:00	0.0	0.0	0.0	139.97	N-4	0.00	139.97	No	N/A
2022-11-09	11:22	0.0	0.0	0.0	139.84	N-5	0.00	139.84	No	N/A
2022-11-11	10:40	0.0	0.1	0.0	139.92	N-4	0.00	139.92	No	N/A
2022-11-16	7:40	0.0	0.0	0.0	139.89	N-5	0.00	139.89	No	N/A
2022-11-18	10:42	0.5	0.5	0.2	139.95	N-3	0.00	139.95	No	N/A
2022-11-21	10:52	0.0	0.0	0.0	139.98	N-6	0.00	139.98	No	N/A
2022-11-23	7:45	0.0	0.0	0.0	139.86	N-5	0.00	139.86	No	N/A
2022-12-09	10:28	0.0	0.0	0.0	139.92	N-3	0.00	139.92	No	N/A
2022-12-23	7:50	0.0	0.1	0.0	139.77	N-5	0.00	139.77	No	N/A
2023-01-13	11:45	0.0	0.0	0.0	139.91	N-4	0.00	139.91	No	N/A
2023-01-27	12:17	0.0	0.0	0.0	140.02	N-4	0.00	140.02	No	N/A
2023-02-03	11:25	0.0	0.0	0.0	139.95	N-3	0.00	139.95	No	N/A
2023-02-17	10:55	0.0	0.0	0.0	139.82	N-5	-0.01	139.81	No	N/A
2023-03-03	14:10	0.0	0.0	0.0	139.76	N-6	-0.07	139.69	No	N/A
2023-03-17	8:30	0.0	0.0	0.0	139.79	N-6	-0.07	139.72	No	N/A
2023-04-07	10:26	0.0	0.0	0.0	139.79	N-4	-0.11	139.68	No	N/A
2023-04-21	8:20	0.0	0.0	0.0	139.87	N-6	-0.07	139.80	No	N/A
2023-05-05	8:40	0.0	0.0	0.0	139.85	N-3	-0.08	139.77	No	N/A
2023-05-19	10:48	0.0	0.0	0.0	139.88	N-6	-0.07	139.81	No	N/A
6/14/2023 ^{pm}	8:10	0.0	0.0	NC	139.83	N-6	-0.11	139.72	No	NA
2023-06-23	7:50	0.0	0.0	NC	139.97	N-6	-0.07	139.90	No	N/A
2023-07-03	07:55	0.0	0.0	NC	140.10	N-6	-0.11	139.99	No	NA

Red Hill Bulk Fuel Storage Facility
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RHP04B										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft bloc)		Factor (ft)	DTW ^{adj} (ft bloc)	(Yes/No)	(ft)
2022-11-09	8:05	0.0	0.0	0.0	138.92	N-5	0.00	138.92	No	N/A
2022-11-11	7:40	0.0	0.0	0.0	139.04	N-4	0.00	139.04	No	N/A
2022-11-16	9:42	0.0	0.0	0.0	138.98	N-5	0.00	138.98	No	N/A
2022-11-18	7:50	0.0	0.0	0.0	139.08	N-3	0.00	139.08	No	N/A
2022-11-21	7:50	0.0	0.0	0.0	139.12	N-6	0.00	139.12	No	N/A
2022-11-23	9:50	0.0	0.0	0.0	138.98	N-5	0.00	138.98	No	N/A
2022-12-09	8:15	0.0	0.0	0.0	139.06	N-3	0.00	139.06	No	N/A
2022-12-23	9:50	0.0	0.3	0.0	138.91	N-5	0.00	138.91	No	N/A
2023-01-13	8:50	0.0	0.3	0.0	139.05	N-4	0.00	139.05	No	N/A
2023-01-27	14:00	0.0	0.0	0.0	139.05	N-5	0.00	139.05	No	N/A
2023-02-03	8:40	0.0	0.0	0.0	139.09	N-6	0.00	139.09	No	N/A
2023-02-17	8:15	0.0	0.0	0.0	138.93	N-5	-0.01	138.92	No	N/A
2023-03-03	8:50	0.0	0.0	0.0	139.90	N-6	-0.07	139.83	No	N/A
2023-03-17	8:30	0.0	0.0	0.0	138.90	N-6	-0.07	138.83	No	N/A
2023-04-07	9:50	0.0	0.1	0.0	138.94	N-4	-0.11	138.83	No	N/A
2023-04-21	12:43	0.0	0.0	0.0	139.01	N-3	0.00	139.01	No	N/A
2023-05-05	10:45	0.0	0.0	0.0	138.99	N-3	-0.08	138.91	No	N/A
2023-05-19	9:05	0.0	0.0	0.4	138.99	N-6	-0.07	138.92	No	N/A
6/14/2023 ^a	10:23	0.0	0.0	NC	138.95	N-6	-0.07	138.88	No	NA
2023-06-23	11:40	0.0	0.0	NC	139.10	N-6	-0.07	139.03	No	N/A
2023-07-03	14:10	0.0	0.0	NC	139.23	N-6	-0.07	139.16	No	NA

Red Hill Bulk Fuel Storage Facility
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RHP04C										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft bloc)		Factor (ft)	DTW ^{adj} (ft bloc)	(Yes/No)	(ft)
2023-03-13	11:10	0.0	0.0	0.0	138.08	N-5	-0.01	138.07	No	N/A
2023-03-29	10:17	0.0	0.0	0.0	138.15	N-5	-0.01	138.14	No	N/A
2023-04-07	8:30	0.0	0.1	0.0	138.22	N-4	-0.11	138.11	No	N/A
2023-04-21	12:07	0.0	3.6	0.0	138.27	N-6	-0.07	138.20	No	N/A
2023-05-04	18:34	0.0	0.0	0.0	138.23	N-6	-0.07	138.16	No	N/A
2023-05-19	8:00	0.0	4.3	0.0	138.26	N-6	-0.07	138.19	No	N/A
6/16/2023 ^m	12:20	0.1	8.9	NC	138.17	N-6	-0.09	138.08	No	NA
2023-06-22	11:00	0.0	0.0	NC	138.33	N-3	-0.08	138.25	No	N/A
2023-07-03	12:20	0.0	2.6	NC	138.50	N-6	-0.09	138.41	No	NA

Red Hill Bulk Fuel Storage Facility
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RHP05										
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	JAR TEST (ppmv)	Raw DTW (ft bloc)	WLM SN	Correction Factor (ft)	Corrected DTW** (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
2022-12-13	8:35	0.0	0.0	0.0	212.80	036365	N/A	212.80	No	N/A
2022-12-21	8:10	0.0	0.0	0.0	212.58	N-5	0.00	212.58	No	N/A
2023-01-13	10:25	0.1	0.1	0.0	212.65	N-5	0.00	212.65	No	N/A
2023-01-27	8:48	0.0	0.0	0.0	212.82	N-4	0.00	212.82	No	N/A
2023-02-03	8:26	0.0	0.0	0.0	212.78	N-4	0.00	212.78	No	N/A
2023-02-17	8:00	0.0	0.0	0.0	212.68	N-4	-0.11	212.57	No	N/A
2023-03-03	15:15	0.0	0.0	0.0	212.48	N-5	-0.03	212.45	No	N/A
2023-03-17	8:00	0.0	0.0	0.0	212.52	N-5	-0.03	212.49	No	N/A
2023-04-07	7:50	0.0	0.0	0.0	212.57	N-6	-0.08	212.49	No	N/A
2023-04-21	7:30	0.0	0.0	0.0	212.60	N-5	-0.03	212.57	No	N/A
2023-05-05	7:55	0.0	0.0	0.0	212.69	N-4	-0.14	212.55	No	N/A
2023-05-19	7:50	0.0	0.0	0.0	212.52	N-4	-0.14	212.38	No	N/A
6/16/2023 th	8:15	0.0	0.0	NC	212.43	N-3	-0.10	212.33	No	NA
2023-06-23	7:59	0.0	0.0	NC	212.74	N-3	-0.10	212.64	No	N/A
2023-07-06	12:38	0.0	0.0	NC	212.92	N-4	-0.14	212.78	No	NA

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

RHP07										
DATE	TIME	AMBIENT	HEADSPACE	JAR TEST	Raw DTW	WLM SN	Correction	Corrected	PRODUCT?	THICKNESS
		(ppmv)	(ppmv)	(ppmv)	(ft bloc)		Factor (ft)	DTW ^{adj} (ft bloc)	(Yes/No)	(ft)
2023-03-06	11:52	0.0	2.2	0.0	82.14	N-4	-0.08	82.06	No	N/A
2023-03-20	9:20	4.9	0.1	0.8	82.75	N-4	-0.08	82.67	No	N/A
2023-04-05	9:10	0.0	1.9	0.0	82.75	N-6	-0.06	82.69	No	N/A
2023-04-28	9:00	0.0	0.0	0.0	82.33	N-6	-0.06	82.27	No	N/A
2023-05-03	9:53	0.0	0.0	0.0	82.63	N-4	-0.08	82.55	No	N/A
2023-05-18	14:20	0.0	0.0	0.0	82.81	N-3	-0.05	82.76	No	N/A
6/15/2023 ^m	8:55	0.0	0.0	NC	82.55	N-4	-0.08	82.47	No	N/A
2023-06-22	8:54	0.0	0.0	NC	82.93	N-3	-0.05	82.88	No	N/A
2023-07-03	09:35	0.0	0.0	NC	83.08	N-4	-0.08	83.00	No	NA

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

NMW24										
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	JAR TEST (ppmv)	Raw DTW (ft btoc)	WLM SN	Correction Factor (ft)	Corrected DTW* (ft btoc)	PRODUCT? (Yes/No)	THICKNESS (ft)
2022-11-22	9:00	0.1	0.1	N/A	92.11	N-2	-0.01	92.10	No	N/A
2022-12-09	12:40	0.0	0.5	N/A	90.74	N-1	0.00	90.74	No	N/A
2022-12-13	8:27	0.0	0.0	0.0	90.78	N-3	0.00	90.78	No	N/A
2022-12-22	11:38	0.1	0.1	0.0	90.70	N-6	0.00	90.70	No	N/A
2022-12-29	8:20	0.0	0.0	N/A	90.63	N-5	0.00	90.63	No	N/A
2023-01-05	14:00	0.0	0.0	N/A	90.67	N-5	0.00	90.67	No	N/A
2023-01-11	10:30	0.0	0.0	N/A	90.8	N-4	0.00	90.80	No	N/A
2023-01-18	9:35	0.0	0.0	N/A	90.78	N-3	0.00	90.78	No	N/A
2023-01-26	9:30	0.0	0.0	N/A	90.85	N-4	0.00	90.85	No	N/A
2023-02-01	12:00	0.0	0.0	0.0	90.72	N-5	0.00	90.72	No	N/A
2023-02-08	11:15	0.0	0.0	0.0	90.74	N-3	-0.06	90.68	No	N/A
2023-02-15	9:30	0.0	0.0	0.0	90.72	N-3	-0.06	90.66	No	N/A
2023-02-22	9:15	0.0	0.0	0.0	90.68	N-3	-0.06	90.62	No	N/A
2023-03-01	14:10	0.0	0.0	0.0	90.68	N-4	-0.14	90.54	No	N/A
2023-03-06	10:45	0.0	2.2	0.0	82.14	N-4	-0.14	82.00	No	N/A
2023-03-13	11:10	0.0	0.0	0.0	90.54	N-5	0.00	90.54	No	N/A
2023-03-20	9:20	2.2	0.1	0.1	90.68	N-4	-0.14	90.54	No	N/A
2023-03-29	8:00	0.0	0.0	0.0	90.57	N-5	0.00	90.57	No	N/A
2023-04-05	9:10	0.0	0.0	0.0	90.65	N-6	-0.06	90.59	No	N/A
2023-04-11	12:15	0.0	0.0	0.0	90.66	N-4	-0.14	90.52	No	N/A
2023-04-18	11:40	0.0	0.0	0.0	90.66	N-6	-0.06	90.60	No	N/A
2023-04-28	11:50	0.0	0.0	0.0	90.64	N-6	-0.06	90.58	No	N/A
2023-05-03	7:55	0.0	0.0	0.0	90.63	N-4	-0.14	90.49	No	N/A
2023-05-10	12:00	0.0	0.0	0.0	90.64	N-6	-0.06	90.58	No	N/A
2023-05-17	12:00	0.0	0.0	0.0	90.64	N-3	-0.06	90.58	No	N/A
2023-05-25	11:20	0.0	0.0	0.0	90.63	N-3	-0.06	90.57	No	N/A
2023-06-01	11:28	0.0	0.0	0.0	90.66	N-6	-0.06	90.60	No	N/A
2023-06-13	11:55	0.0	0.4		90.65	N-3	-0.06	90.59	No	N/A
2023-06-20	11:30	0.0	0.3		90.68	N-1	-0.01	90.67	No	N/A

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

Adit 3 Sump						
DATE	TIME	AMBIENT (ppmv)	HEADSPACE (ppmv)	DTW (ft bloc)	PRODUCT? (Yes/No)	THICKNESS (ft)
2022-12-15	11:15	0.0	52.7	NM	NA	NA
2022-12-20	13:00	0.3	41.2	NM	NA	NA
2022-12-27	NC	NC	NC	NC	NC	NC
2022-01-03	11:20	0.0	39.8	NM	NA	NA
2022-01-11	11:50	0.0	7.4	NM	NA	NA
2022-01-20	11:30	1.5	8.0	NM	NA	NA
2022-01-24	10:45	0.2	23.9	NM	NA	NA
2022-02-03	11:32	0.9	5.0	NM	NA	NA
2022-02-10	11:55	0.0	5.1	NM	NA	NA
2022-02-17	11:40	1.3	6.7	NM	NA	NA
2022-02-22	11:10	0.8	5.2	NM	NA	NA
2022-03-02	14:20	0.1	3.1	NM	NA	NA
2022-03-08	11:45	0.0	0.0	NM	NA	NA
2022-03-17	11:25	0.2	7.8	NM	NA	NA
2022-03-24	11:04	0.5	8.1	NM	NA	NA
2022-03-29	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
2022-05-05	09:10	0.5	0.6	NM	NA	NA
2022-05-12	10:50	0.0	0.0	NM	NA	NA
5/19/2022	10:45	0.0	0.0	NM	NA	NA
2022-05-26	09:18	0.0	0.0	NM	NA	NA
2022-06-02	09:01	0.0	0.0	NM	NA	NA
6/9/2022	09:21	0.0	0.0	NM	NA	NA
2022-06-16	10:26	0.0	0.0	NM	NA	NA
2022-06-23	08:40	0.0	0.0	NM	NA	NA
2022-07-01	11:31	0.0	0.0	NM	NA	NA
2022-07-07	10:46	0.0	0.2	NM	NA	NA
2022-07-13	10:24	0.0	0.0	NM	NA	NA
2022-08-04	10:50	0.0	0.0	NM	NA	NA
2022-08-11	15:17	0.0	0.0	NM	NA	NA
2022-08-18	13:54	0.0	0.0	NM	NA	NA
2022-08-25	13:14	0.0	0.0	NM	NA	NA
2022-09-01	08:57	0.0	0.0	NM	NA	NA
2022-09-08	10:38	0.1	0.1	NM	NA	NA
2022-09-15	10:24	0.0	0.0	NM	NA	NA
2022-09-22	11:09	0.1	0.1	NM	NA	NA
2022-09-29	10:51	0.0	0.0	NM	NA	NA
2022-10-05	13:25	0.2	7.9	NM	NA	NA
2022-10-18	10:32	0.0	0.0	NM	NA	NA
2022-10-20	10:51	0.0	0.0	NM	NA	NA
2022-10-25	10:10	0.0	0.5	NM	NA	NA
2022-10-27	09:56	0.0	0.5	NM	NA	NA
2022-11-01	11:18	0.0	0.0	NM	NA	NA
2022-11-03	09:54	0.0	0.0	NM	NA	NA
2022-11-08	08:53	0.1	2.0	NM	NA	NA
2022-11-10	10:14	0.0	0.1	NM	NA	NA
2022-11-15	09:44	0.0	0.0	NM	NA	NA
2022-11-17	10:11	0.0	0.0	NM	NA	NA
2022-11-20	10:34	0.0	0.0	NM	NA	NA
2022-11-22	11:31	0.0	0.0	NM	NA	NA
2022-12-01	14:02	0.0	0.0	NM	NA	NA
2022-12-21	11:25	0.0	0.1	NM	NA	NA
2022-12-29	10:28	0.0	0.0	NM	NA	NA
2023-01-05	12:44	0.0	0.0	NM	NA	NA
2023-01-11	13:21	0.0	0.0	NM	NA	NA
2023-01-18	13:43	0.0	0.0	NM	NA	NA
2023-01-26	14:11	0.0	0.0	NM	NA	NA
2023-02-15	14:38	0.0	0.0	NM	NA	NA
2023-02-22	11:21	0.0	0.0	NM	NA	NA
2023-03-01	09:55	0.0	3.1	NM	NA	NA
2023-03-08	09:48	0.1	0.6	NM	NA	NA
2023-03-16	09:30	0.0	0.0	NM	NA	NA
2023-03-22	08:38	0.0	2.2	NM	NA	NA
2023-03-29	09:14	0.0	114.8	NM	NA	NA
2023-04-05	10:40	0.0	100.1	NM	NA	NA
2023-04-26	10:50	0.0	1.1	NM	NA	NA
2023-05-04	09:59	0.0	10.3	NM	NA	NA
2023-05-08	09:28	0.0	0.0	NM	NA	NA
2023-05-16	08:59	0.0	5.8	NM	NA	NA
2023-05-23	10:40	0.0	0.0	NM	NA	NA
2023-05-30	10:20	0.0	0.5	NM	NA	NA
2023-06-08	10:35	0.0	0.0	NM	NA	NA
2023-06-15	08:30	0.0	14.4	NM	NA	NA
2023-06-20	10:18	0.4	15.0	NM	NA	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 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 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 RHMW01R through RHMW19, OWDFMW01 through OWDFMW08A, HDMW2253-03, NMW24, RHP01 through RHP04A, RHP04C, and RHP07 and are pending results for wells RHMW20, RHP04B, and RHP05. 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 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.

l: Well added as part of the 20 Nov 2021 NOI event

m: Well added as part of the consolidated groundwater sampling program

Appendix B.3 – Groundwater Parameters from May 10, 2021 through July 14, 2023

Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters

RHMW10								
DATE	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
	(ppm)		(mS/cm)	(mg/L)	(NTU)	(°C)	(Mv)	(psu)
6/14/2023 ¹	208.33	7.55	0.32	8.48	0.00	24.83	261.5	0.15
2023-07-05	181.56	7.32	0.28	8.51	0.00	24.48	120.7	0.13

Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters

RHMW17								
DATE	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
	(ppm)		(mS/cm)	(mg/L)	(NTU)	(oC)	(Mv)	(psu)
6/15/2022 ^a	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 ^d	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
2023-04-26	262.84	7.43	0.40	5.11	0.52	23.92	167.8	0.20
2023-05-04	283.41	7.36	0.44	3.63	3.80	22.57	86.9	0.21
2023-05-11	250.75	7.47	0.39	3.70	0.75	23.15	92.1	0.19
2023-05-16	325.39	7.47	0.50	3.43	7.44	23.29	-154.0	0.24
2023-05-25	300.54	7.32	0.46	3.17	0.89	24.54	177.4	0.22
2023-06-01	273.94	7.34	0.42	4.35	0.54	26.52	74.0	0.20
2023-06-07	256.28	7.36	0.39	3.92	0.53	24.86	202.1	0.19
2023-06-15	286.24	7.40	0.44	2.29	0.00	24.48	46.2	0.21
2023-06-22	293.00	7.27	0.45	3.44	1.47	23.43	97.1	0.22
2023-07-07	264.19	7.46	0.41	2.65	0.27	24.07	65.5	0.20

Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters

RHMW20								
DATE	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
	(ppm)		(mS/cm)	(mg/L)	(NTU)	(°C)	(Mv)	(psu)
6/14/2023 ¹	1022.20	7.47	1.57	3.91	0.37	25.53	138.8	0.8
2023-06-21	921.64	7.65	1.42	2.99	1.20	26.35	177.6	0.7
2023-07-06	1082.32	7.24	1.67	3.73	0.17	25.71	205.2	0.9

**Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters**

RHP01									
DATE	Time	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
		(ppm)		(mS/cm)	(mg/L)	(NTU)	(oC)	(Mv)	(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
2023-04-21	10:02	428.09	6.82	0.66	6.72	0.00	24.34	95.4	0.32
2023-05-05	12:26	449.08	6.87	0.69	7.16	0.00	24.97	187.1	0.34
2023-05-19	9:26	424.19	6.88	0.65	7.07	0.02	24.22	232.7	0.32
6/16/2023	10:17	439.50	6.91	0.68	6.86	0.00	24.78	101.4	0.33
2023-06-23	8:40	445.29	6.96	0.69	6.86	0.06	24.80	277.0	0.34
2023-07-06	9:16	426.86	6.89	0.66	7.43	0.09	24.72	186.2	0.32

**Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters**

RHP02									
DATE	Time	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
		(ppm)		(mS/cm)	(mg/L)	(NTU)	(oC)	(MV)	(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
2023-04-21	11:58	475.36	6.71	0.73	7.54	0.06	25.47	128.6	0.36
2023-05-05	13:34	507.65	6.81	0.78	7.05	0.00	24.91	204.7	0.38
2023-05-19	11:37	477.01	6.83	0.73	7.60	0.00	24.98	238.9	0.36
6/16/2023	12:41	493.32	6.84	0.76	7.70	0.19	25.96	107.5	0.37
2023-06-23	10:51	481.78	6.79	0.74	7.53	0.30	25.53	197.8	0.37
2023-07-06	14:53	0.48	6.78	0.74	7.55	0.00	25.65	185.5	0.36

Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters

RHP03									
DATE	Time	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
		(ppm)		(mS/cm)	(mg/L)	(NTU)	(oC)	(Mv)	(psu)
2022-08-11	11:16	763.18	7.48	1.17	2.50	1.15	25.03	163.9	0.59
2022-08-25	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	15:08	727.85	7.31	1.12	4.31	0.87	24.24	136.9	0.56
2023-04-21	16:12	684.14	7.30	1.05	3.86	5.02	24.48	75.5	0.53
2023-05-12	10:51	698.81	7.33	1.08	4.02	1.07	24.86	127.2	0.54
2023-05-19	13:22	709.29	7.20	1.09	3.97	2.72	24.55	130.7	0.55
6/16/2023	14:13	700.00	7.19	1.08	3.05	2.32	25.25	79.6	0.54
2023-06-23	14:41	706.60	7.23	1.09	3.08	4.66	25.29	117.0	0.54
2023-07-03	9:52	643.15	7.31	0.99	3.46	4.06	25.78	157.5	0.49

Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters

RHP04A									
DATE	Time	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
		(ppm)		(mS/cm)	(mg/L)	(NTU)	(oC)	(MV)	(psu)
2022-08-12	10:16	656.96	7.47	1.02	7.48	0.61	27.14	77.1	0.51
2022-08-25	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	0.00	7.71	1.04	3.67	50.07	25.64	-47.8	0.52
2023-04-21	11:24	613.91	7.65	0.94	2.60	9.84	25.33	63.5	0.47
2023-05-05	11:38	583.41	7.66	0.90	2.68	7.87	25.54	25.4	0.45
2023-05-19	16:50	589.64	7.69	0.91	2.52	19.71	25.92	8.3	0.45
6/14/2023	9:22	604.10	7.71	0.93	2.88	6.63	25.68	109.6	0.46
2023-06-23	10:58	599.08	7.65	0.92	2.27	6.16	25.66	98.1	0.46
2023-07-03	14:14	602.01	7.55	0.93	2.27	9.26	26.71	-131.7	0.46

Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters

RHP04B									
DATE	Time	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
		(ppm)		(mS/cm)	(mg/L)	(NTU)	(oC)	(Mv)	(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	0.00	7.74	0.88	3.15	1.23	26.51	-221.2	0.44
2023-04-21	14:32	490.89	7.87	0.76	0.95	1.25	25.98	-258.9	0.37
2023-05-05	13:20	466.80	7.79	0.73	1.04	0.28	26.24	-342.8	0.35
2023-05-19	13:00	453.00	7.79	0.70	0.74	0.60	25.35	-353.9	0.34
6/14/2023	12:45	448.12	7.80	0.69	0.97	0.26	25.72	-337.2	0.34
2023-06-23	13:23	450.62	7.61	0.69	1.16	1.30	25.96	-302.6	0.34
2023-07-03	15:43	0.45	7.71	0.69	0.65	1.24	26.62	-279.0	0.34

**Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters**

RHP04C									
DATE	Time	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
		(ppm)		(mS/cm)	(mg/L)	(NTU)	(oC)	(Mv)	(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	10:18	9.79E+02	7.45	1.51	0.58	2.62	25.93	-149.4	0.77
2023-04-21	13:44	9.87E+02	7.45	1.52	0.53	0.49	26.41	-20.6	0.77
2023-05-04	13:22	9.52E+02	7.47	1.47	0.54	0.21	26.81	32.9	0.74
2023-05-19	11:18	9.03E+02	7.54	1.39	2.25	0.05	25.62	40.8	0.70
6/16/2023	14:24	1016.94	7.45	1.56	0.63	0.32	26.99	-96.1	0.80
2023-06-22	13:20	8.59E+02	7.59	1.32	1.35	0.36	26.62	137.6	0.67
2023-07-03	14:15	8.95E+02	7.49	1.38	0.83	0.05	27.02	131.5	0.70

Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters

RHP05									
DATE	Time	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
		(ppm)		(mS/cm)	(mg/L)	(NTU)	(oC)	(Mv)	(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	0.00	7.41	0.87	7.02	6.55	26.54	98.0	0.43
2023-04-21	14:45	638.76	7.31	0.99	6.17	7.82	26.53	272.3	0.50
2023-05-05	11:04	615.70	7.41	0.95	6.12	0.23	25.75	149.0	0.47
2023-05-19	10:06	635.35	7.27	0.98	6.45	0.64	25.96	156.3	0.49
6/16/2023	11:06	615.70	7.33	0.95	6.21	6.24	26.44	90.4	0.47
2023-06-23	10:08	0.61	7.29	0.94	6.22	0.28	27.09	127.7	0.47
2023-07-06	18:00	577.00	7.42	0.89	4.72	0.44	26.90	140.8	0.44

Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters

RHP07									
DATE	Time	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
		(ppm)		(mS/cm)	(mg/L)	(NTU)	(oC)	(Mv)	(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	10:26	0.41	7.56	0.63	7.56	0.06	23.41	105.6	0.31
2023-04-28	10:20	453.56	7.48	0.70	7.83	0.34	23.30	148.0	0.34
2023-05-03	11:02	408.80	7.53	0.63	7.75	0.56	23.55	208.8	0.31
2023-05-18	15:15	407.43	7.43	0.63	8.55	0.75	23.32	222.6	0.31
6/15/2023	10:18	403.36	7.40	0.62	8.08	0.12	23.57	152.5	0.30
2023-06-22	9:51	370.14	7.61	0.57	8.23	0.00	23.49	225.3	0.28
2023-07-03	10:43	388.13	7.43	0.60	8.13	0.02	23.32	269.6	0.30

Red Hill Bulk Fuel Storage Facility
Stablized Groundwater Parameters

NMW24									
DATE	Time	TDS	pH	Sp. Cond.	D.O.	Turbidity	Temp	ORP	SAL
		(ppm)		(mS/cm)	(mg/L)	(NTU)	(oC)	(Mv)	(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	5.56E+02	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	13:38	576.56	7.18	0.89	5.42	1.27	25.95	156.1	0.44
2023-04-18	12:44	0.15	7.28	0.80	5.47	0.15	7.28	80.9	0.40
2023-04-28	12:43	534.57	7.23	0.82	5.07	0.00	25.82	165.0	0.41
2023-05-03	8:41	472.84	7.20	0.73	5.06	0.44	25.50	190.8	0.36
2023-05-10	13:03	NR	7.25	0.79	5.68	1.79	25.71	177.2	0.39
2023-05-17	13:42	488.81	7.49	0.75	5.13	0.11	25.95	260.3	0.37
2023-05-24	12:26	523.98	7.25	0.81	5.53	0.31	26.46	201.8	0.40
2023-06-01	12:20	518.68	7.13	0.80	5.48	0.00	26.09	180.9	0.40
2023-06-13	12:54	493.95	7.31	0.76	5.40	2.07	26.07	253.5	0.38
2023-06-20	12:21	464.33	7.14	0.71	5.45	0.50	25.84	232.6	0.35
2023-07-05	10:31	409.41	7.07	0.63	5.77	0.00	25.94	129.4	0.31

Appendix B.3 Table Notes:

D.O. = Dissolved Oxygen

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

b = 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 callulation as the AquaTroll, Method 2520A.

c = Issue with conductivity sensor affecting values derived from specific conductivity: TDS, Specific Conductivity, and Salinity

d = pH data corrupted due to issue with pH sensor calibration malfunction

e = 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

f = 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

g = AquaTroll missing turbidity sensor wiper causing bubbles to accumulate on the turbidity sensor and affecting parameter accuracy.

h = 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.

i = Well added as part of the 20 Nov 2021 NOI event

j = Well added as part of the consolidated groundwater sampling program

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

Appendix B.4 – Summary of Groundwater Analytical Results through July 14, 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) ^b	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	120	ND	ND	ND	ND	ND	210							
Maximum							ND	270	67	ND	ND	4100	ND	530							
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result				
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK2	2/14/2023	Primary	V	<80	U	190		<100	U	<300	U	<300	U	1000		<0.0058	U	210
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK3	2/21/2023	Primary	V	<80	U	120		<100	U	<300	U	<300	U	<800	U	<0.0056	U	530
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK4	2/28/2023	Primary	V	<80	U	270		<100	U	<310	U	<310	U	1300		<0.0057	U	450
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK1	3/7/2023	Primary	V	<80	U	160		<83	U	<250	U	<250	U	4100		<0.0058	UJ	390
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK3	3/21/2023	Primary	V	<80	U	130		67	J	<300	U	<300	U	2800		<0.0057	UJ	480
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK4	3/28/2023	Primary	V	<80	U	160		<100	U	<310	U	<310	U	990	J	<0.0057	U	460
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2304WK1	4/4/2023	Primary	V	<80	U	170		67	J	<300	U	<300	U	740	J	<0.0057	U	420
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2305WK1	5/2/2023	Primary	V	<80	U	200		<100	U	<310	U	<310	U	2100		<0.0058	U	520

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) ^b	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	620	140	ND	ND	480	ND	1300							
Maximum							ND	2400	600	250	ND	9300	ND	3600							
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result				
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK2	2/14/2023	Primary	V	<80	U	1600		310		220	J	<300	U	4400		<0.0058	U	2100
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK3	2/21/2023	Primary	V	<80	U	1200		320		230	J	<310	U	480	J	<0.0057	U	2300
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK4	2/28/2023	Primary	V	<80	U	1800		320		250	J	<310	U	3400		<0.0057	U	2100
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK1	3/7/2023	Primary	V	<80	U	620		140		<310	U	<310	U	2900		<0.0058	UJ	1300
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK3	3/21/2023	Primary	V	<80	U	1500		460		<300	U	<300	U	5500		<0.0058	UJ	3000
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK4	3/28/2023	Primary	V	<80	U	1300		290		<310	U	<310	U	3800		<0.0057	U	2500
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2304WK1	4/4/2023	Primary	V	<80	U	1500		400		<300	U	<300	U	4300		<0.0057	U	2200
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2305WK1	5/2/2023	Primary	V	<80	U	2400		600		220	J	<300	U	9300		<0.0057	U	3600

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) ^b	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	120	ND	190	ND	1600	ND	ND
Maximum							ND	350	76	490	ND	6000	ND	0.7
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-2302WK2	2/14/2023	Primary	V	<80 U	150	<100 U	220 J	<310 U	2500	<0.0058 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK3	2/21/2023	Primary	V	<80 U	130	<100 U	200 J	<300 U	1800	<0.0058 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK4	2/28/2023	Primary	V	<80 U	120	<100 U	200 J	<310 U	1900	<0.0058 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK1	3/7/2023	Primary	V	<80 U	300	76 J	340	<250 U	2700	<0.0059 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK3	3/21/2023	Primary	V	<80 U	190	<100 U	240 J	<300 U	2700	<0.0057 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK4	3/28/2023	Primary	V	<80 U	210	<100 U	270 J	<310 U	2700	<0.0058 U	0.7 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2304WK1	4/4/2023	Primary	V	<80 U	140	<100 U	190 J	<310 U	2300	<0.0057 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK1	5/2/2023	Primary	V	<80 U	350	<100 U	490	<310 U	1600	<0.0057 U	<1.3 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK3	5/16/2023	Primary	V	<80 U	210	<100 U	270 J	<310 U	6000 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: RHMW04

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs) ^b	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	560	ND	ND
Maximum							ND	160	76	680	440	4000	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK4	1/25/2023	Field Duplicate	V	<80 U	<110 UJ	-	<300 U	-	-	-	-
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK4	1/25/2023	Primary	V	<80 U	<100 U	-	<310 U	-	1200	<0.0058 U	<1.3 U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK1	3/9/2023	Field Duplicate	V	<80 U	<82 U	-	<250 U	-	-	-	-
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK1	3/9/2023	Primary	V	<80 U	<85 U	-	<250 U	-	780 J	<0.0058 U	<1.3 U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK2	3/15/2023	Field Duplicate	V	<80 U	160	67 J	680	440	-	-	-
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK2	3/15/2023	Primary	V	<80 U	130	76 J	650	420	4000	<0.0056 UJ	<1.3 U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK4	3/30/2023	Field Duplicate	V	<80 U	<100 U	-	<310 U	-	-	-	-
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK4	3/30/2023	Primary	V	<80 U	<110 U	-	<320 U	-	560 J	<0.0057 U	<1.3 U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2304WK1	4/6/2023	Field Duplicate	V	<80 U	140	<100 U	210 J	<300 U	-	-	-
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2304WK1	4/6/2023	Primary	V	<80 U	100 J	<100 U	200 J	<310 U	1900	<0.0057 U	<1.3 U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2305WK2	5/11/2023	Field Duplicate	V	<80 U	<100 U	-	<300 U	-	-	-	-
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2305WK2	5/11/2023	Primary	V	<80 U	<100 U	-	<300 U	-	1100	<0.0059 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) ^b	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	140	ND	250	ND	1100	ND	8						
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result			
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK2	2/14/2023	Primary	V	<80	U	<100	U	-	<310	U	-	540	J	<0.0057	U	<1.3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK3	2/21/2023	Primary	V	<80	U	140		<100	U	250	J	<310	U	<0.0057	UJ	<1.3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK4	2/28/2023	Primary	V	<80	U	<100	U	-	<310	U	-	600	J	<0.0057	U	<1.3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK1	3/7/2023	Primary	V	<80	U	<75	U	-	<220	U	-	<800	U	<0.0057	UJ	<1.3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK3	3/21/2023	Primary	V	<80	U	<100	UJ	-	<300	UJ	-	460	J	<0.0057	UJ	8	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK4	3/28/2023	Primary	V	<80	U	<100	U	-	<310	U	-	620	J	<0.0057	U	<1.3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2304WK1	4/4/2023	Primary	V	<80	U	<100	U	-	<310	U	-	350	J	<0.0057	U	<1.3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK1	5/2/2023	Primary	V	<80	U	<100	U	-	<310	U	-	520	J	<0.0058	U	<1.3	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK3	5/16/2023	Primary	V	<80	U	<110	U	-	<320	U	-	1100	J	<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: RHMW06

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs) ^b	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	-	900	0.01	ND						
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result			
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK4	1/25/2023	Primary	V	<80	U	<100	U	-	<300	U	-	900	J	<0.0057	U	<1.3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK1	3/9/2023	Primary	V	<80	U	<84	UJ	-	<250	U	-	-	R	<0.0058	U	<1.3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK2	3/15/2023	Primary	V	<80	U	<82	U	-	<250	U	-	<800	U	<0.0057	UJ	<1.3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK3	3/24/2023	Primary	V	<80	U	<100	UJ	-	<310	U	-	540	J	0.01		<1.3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK4	3/30/2023	Primary	V	<80	U	<100	U	-	<310	U	-	490	J	<0.0057	U	<1.3	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2304WK1	4/6/2023	Primary	V	<80	U	<100	U	-	<300	U	-	410	J	<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: RHMW08

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs) ^b	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	910	ND	ND								
Maximum							ND	840	250	890	370	13000	0.03	50								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK4	1/25/2023	Primary	V	<80	U	840		250		700		370		13000		<0.0058	U	11	J
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK1	3/9/2023	Primary	V	<80	U	<80	UJ	-		<260	U	-		1000		<0.0059	U	<1.3	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK2	3/15/2023	Primary	V	<80	U	92	J	<82	U	200	J	<240	U	2600		0.03	J	0.99	J
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK4	3/30/2023	Primary	V	<80	U	93	J	<100	U	<310	U	<310	U	1300		0.015		<1.3	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2304WK1	4/6/2023	Primary	V	<80	U	<100	U	-		<310	U	-		910	J	0.022		<1.3	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2305WK2	5/11/2023	Primary	V	<80	U	620		150		890		230	J	11000		<0.0057	U	50	

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) ^b	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	89	ND	ND	ND	4200	ND	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-WGN01B-2302WK3	2/20/2023	Primary	V	<80 U	<100 U	-	<300 U	-	<800 U	<0.0057 U	<1.3 U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK4	2/27/2023	Primary	V	<80 U	<100 U	-	<310 U	-	380 J	<0.0056 U	<1.3 U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK1	3/6/2023	Primary	V	<80 U	<100 U	-	<300 U	-	430 J	<0.0057 U	<1.3 U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK2	3/13/2023	Primary	V	<80 U	74 J	<100 U	<300 U	<300 U	600 J	<0.0058 U	<1.3 U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK3	3/20/2023	Primary	V	<80 U	89 J	<110 U	<320 U	<320 U	440 J	<0.0057 U	<1.3 U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2304WK1	4/3/2023	Primary	V	<80 U	<100 U	-	<310 U	-	460 J	<0.0057 U	<1.3 U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2305WK1	5/3/2023	Primary	V	<80 U	<100 U	-	<310 U	-	4200	<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) ^b		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		-		680		0.065		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-WGN01LF-2302WK3	2/21/2023	Primary	V	<80	U	<100	UJ	-		<300	UJ	-		510	J	<0.0057	UJ	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK4	2/28/2023	Primary	V	<80	U	<100	U	-		<310	U	-		370	J	0.065	J+	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK1	3/6/2023	Primary	V	<80	U	<79	U	-		<240	U	-		<800	U	<0.0058	UJ	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK2	3/13/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0058	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK3	3/20/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0056	UJ	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK1	4/3/2023	Primary	V	<80	U	<100	U	-		<300	U	-		380	J	<0.0057	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK4	4/24/2023	Primary	V	<80	U	<100	U	-		<300	U	-		410	J	<0.0058	U	<1.3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2305WK1	5/1/2023	Primary	V	<80	U	<100	U	-		<310	U	-		680	J	<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: RHMW11-05

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs) ^b		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		130		ND		ND		ND		1700		ND		1.7	
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-2302WK2	2/15/2023	Primary	V	<80	U	<100	U	-		<310	U	-		480	J	<0.0058	U	1.2	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK1	3/8/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0057	U	1.3	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK3	3/21/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0057	UJ	1.1	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK4	3/27/2023	Primary	V	<80	U	130		<100	UJ	<300	U	<300	UJ	490	J	<0.0058	U	1.7	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2304WK1	4/3/2023	Primary	V	<80	U	<100	U	-		<310	U	-		500	J	<0.0057	UJ	1.3	J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK1	5/1/2023	Primary	V	<80	U	<100	U	-		<310	U	-		820	J	<0.0058	U	<1.3	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK3	5/18/2023	Primary	V	<80	U	<100	U	-		<300	U	-		1700		<0.0058	U	0.65	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) ^b	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	-	530	ND	0.95
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK2	2/14/2023	Primary	V	<80 U	<100 U	-	<310 U	-	520 J	<0.0057 U	<1.3 U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK3	2/22/2023	Primary	V	<80 U	<100 U	-	<310 U	-	<800 U	<0.0058 U	<1.3 U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK1	3/7/2023	Primary	V	<80 U	<100 U	-	<310 U	-	360 J	<0.0057 UJ	<1.3 U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK2	3/14/2023	Primary	V	<80 U	<100 U	-	<310 U	-	<800 U	<0.0057 U	0.95 J
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK3	3/22/2023	Primary	V	<80 U	<100 U	-	<310 U	-	<800 U	<0.0055 UJ	<1.3 U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK4	3/28/2023	Primary	V	<80 U	<100 U	-	<310 U	-	450 J	<0.0057 U	<1.3 U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2304WK1	4/4/2023	Primary	V	<80 U	<100 U	-	<310 U	-	410 J	<0.0058 UJ	<1.3 U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2305WK1	5/2/2023	Primary	V	<80 U	<100 UJ	-	<310 U	-	530 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) ^b	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	-	950	0.0022	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-WGN01G-2302WK4	3/1/2023	Primary	V	<80 U	<100 U	-	<310 U	-	<800 U	<0.0058 U	<1.3 U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK1	3/8/2023	Primary	V	<80 U	<100 UJ	-	<250 U	-	<800 U	0.0022 J	<1.3 U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK3	3/21/2023	Primary	V	<80 U	<100 U	-	<310 U	-	<800 U	<0.0057 UJ	<1.3 UJ
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK4	3/31/2023	Primary	V	<80 U	<110 U	-	<320 U	-	<800 U	<0.0058 U	<1.3 U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2304WK1	4/3/2023	Primary	V	<80 U	<100 U	-	<310 U	-	430 J	<0.0057 U	<1.3 U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK1	5/1/2023	Primary	V	<80 U	<100 U	-	<310 U	-	390 J	<0.0057 U	<1.3 U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK3	5/17/2023	Primary	V	<80 U	<100 U	-	<310 U	-	950 J-	<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: RHMW15-05

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs) ^b		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		-		540		0.0044		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-WGN01G-2302WK4	3/2/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0057	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK1	3/9/2023	Primary	V	<80	U	<88	U	-		<270	U	-		370	J	<0.0061	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK3	3/23/2023	Primary	V	<80	U	<100	UJ	-		<300	U	-		<800	U	<0.0057	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK4	3/30/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	0.0044	J	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2304WK1	4/6/2023	Primary	V	<80	U	<83	U	-		<250	U	-		<800	U	<0.0058	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK1	5/4/2023	Primary	V	<80	U	<100	U	-		<300	U	-		410	J	<0.0057	U	<1.3	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK2	5/11/2023	Primary	V	<80	U	<100	U	-		<310	U	-		540	J	<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) ^b	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	-	4300	ND	ND						
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result			
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK3	2/21/2023	Primary	V	<80	U	<100	U	-	<300	U	-	4300		<0.0057	UJ	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK4	2/28/2023	Primary	V	<80	U	<100	U	-	<310	U	-	520	J	<0.0057	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK1	3/6/2023	Primary	V	<80	U	<82	U	-	<250	U	-	360	J	<0.0057	UJ	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK2	3/13/2023	Primary	V	<80	U	<100	U	-	<310	U	-	<800	U	<0.0058	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK3	3/20/2023	Primary	V	<80	U	<100	U	-	<300	U	-	<800	U	<0.0057	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2304WK1	4/3/2023	Primary	V	<80	U	<100	U	-	<310	U	-	<800	U	<0.0058	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2304WK4	4/24/2023	Primary	V	<80	U	<100	U	-	<310	U	-	<800	U	<0.0057	U	<1.3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2305WK1	5/1/2023	Primary	V	<80	U	<100	U	-	<310	U	-	390	J	<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: RHMW17

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs) ^b		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		370		ND		ND	
Maximum							ND		310		62		500		ND		4500		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-2303WK1	3/9/2023	Primary	V	<80	U	250		62	J	240	J	<250	U	1400		<0.006	U	<1.3	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK2	3/16/2023	Primary	V	<80	U	<85	UJ	-		<260	U	-		370	J	-	R	<1.3	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK3	3/23/2023	Primary	V	<80	U	<100	U	-		<310	U	-		600	J	<0.0057	U	<1.3	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK4	3/30/2023	Primary	V	<80	U	<100	U	-		<310	U	-		1900		<0.0057	U	<1.3	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2304WK1	4/6/2023	Primary	V	<80	U	79	J	<110	U	<320	U	<320	U	1900		<0.0057	U	<1.3	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2305WK1	5/4/2023	Primary	V	<80	U	310		<110	U	500		<320	U	4500		<0.0056	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: RHMW19

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs) ^b		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		180		ND		ND		ND	
Maximum							ND		250		ND		450		180		2300		0.042		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-WGN01B-2302WK3	2/20/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0058	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK4	2/27/2023	Primary	V	<80	U	<83	U	-		<250	U	-		570	J	<0.0057	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK1	3/6/2023	Primary	V	<80	U	250		<100	U	450		180	J	2300		<0.0057	UJ	<1.3	UJ
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK2	3/13/2023	Primary	V	<80	U	<100	U	-		<310	U	-		-	R	<0.0057	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK3	3/20/2023	Primary	V	<80	U	<110	U	-		<320	U	-		480	J	<0.0057	U	<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2304WK1	4/3/2023	Primary	V	<80	U	<87	U	-		<260	U	-		580	J	0.042		<1.3	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2305WK1	5/3/2023	Primary	V	<80	U	<100	UJ	-		<300	U	-		1200		<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: RHMW2254-01

Analyte							TPH-g (Eurofins Labs)		TPH-d (Eurofins Labs)		TPH-d (Eurofins Labs) with Silica Gel Cleanup		TPH-o (Eurofins Labs) ^b		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		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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK1	1/5/2023	Primary	V	<80	U	<100	U	-		<310	U	-		1700	J+	<0.0058	U	<1.3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK1	1/5/2023	Primary	V	<80	U	<110	UJ	-		<320	UJ	-		1500	J+	<0.0058	U	<1.3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK1	3/8/2023	Primary	V	<80	U	<77	U	-		<230	U	-		390	J	<0.0058	U	<1.3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2303WK1	3/8/2023	Primary	V	<80	U	<95	U	-		<280	U	-		<800	U	<0.0059	U	<1.3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK3	3/22/2023	Primary	V	<80	U	93	J	<100	U	<300	U	<300	U	2300		<0.0057	U	<1.3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2303WK3	3/22/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0057	U	<1.3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK4	3/29/2023	Primary	V	<80	U	<100	U	-		<300	U	-		450	J	<0.0057	U	<1.3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2303WK4	3/29/2023	Primary	V	<80	U	<100	U	-		<300	U	-		<800	U	<0.0058	U	<1.3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2304WK1	4/5/2023	Primary	V	<80	U	<100	U	-		<310	U	-		760	J	<0.0057	U	<1.3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2304WK1	4/5/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0057	U	<1.3	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2305WK1	5/4/2023	Primary	V	<80	U	<100	U	-		<310	U	-		410	J	<0.0057	U	<1.3	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2305WK1	5/4/2023	Primary	V	<80	U	<100	U	-		<300	U	-		410	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) ^b		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		-		730		ND		ND	
Maximum							ND		ND		-		ND		-		970		0.0067		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-2303WK1	3/9/2023	Primary	V	<80	U	<86	U	-		<260	U	-		730	J	<0.0059	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK3	3/23/2023	Primary	V	<80	U	<110	U	-		<320	U	-		750	J	<0.0056	U	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK4	3/30/2023	Primary	V	<80	U	<100	U	-		<310	U	-		870	J	0.0067	J	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2304WK1	4/6/2023	Primary	V	<80	U	<100	U	-		<310	U	-		830	J	<0.0057	UJ	<1.3	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2305WK1	5/4/2023	Primary	V	<80	U	<100	U	-		<300	U	-		970	J	<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: OWDFMW04A

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs) ^b	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	-	660	ND	ND						
Maximum							ND	ND	-	ND	-	1500	ND	ND						
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result			
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK2	2/15/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK2	2/15/2023	Primary	V	<80	U	<100	U	-	<310	U	-	850	J	<0.0058	U	<1.3	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK3	2/22/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK3	2/22/2023	Primary	V	<80	U	<100	U	-	<300	U	-	660	J	<0.0058	U	<1.3	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK4	3/1/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK4	3/1/2023	Primary	V	<80	U	<100	U	-	<300	U	-	770	J	<0.0057	U	<1.3	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK2	3/15/2023	Field Duplicate	V	<80	U	<82	UJ	-	<250	UJ	-	-	-	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK2	3/15/2023	Primary	V	<80	U	<83	U	-	<250	U	-	690	J	<0.0057	UJ	<1.3	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK3	3/22/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK3	3/22/2023	Primary	V	<80	U	<100	U	-	<300	U	-	660	J	<0.0057	U	<1.3	UJ
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK4	3/29/2023	Field Duplicate	V	<80	U	<100	U	-	<310	U	-	-	-	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK4	3/29/2023	Primary	V	<80	U	<100	U	-	<300	U	-	660	J	<0.0057	UJ	<1.3	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2304WK1	4/5/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2304WK1	4/5/2023	Primary	V	<80	U	<100	U	-	<300	U	-	740	J	<0.0057	U	<1.3	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK1	5/2/2023	Field Duplicate	V	<80	U	<100	U	-	<310	U	-	-	-	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK1	5/2/2023	Primary	V	<80	U	<100	U	-	<300	U	-	860	J	<0.0057	U	<1.3	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK3	5/17/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-	-
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK3	5/17/2023	Primary	V	<80	U	<100	U	-	<310	U	-	1500	J-	<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: OWDFMW05A

Analyte							TPH-g (Eurofins Labs)	TPH-d (Eurofins Labs)	TPH-d (Eurofins Labs) with Silica Gel Cleanup	TPH-o (Eurofins Labs) ^b	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	-	1300	ND	48
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-WGN01LF-2302WK2	2/15/2023	Primary	V	<80 U	<100 U	-	<310 U	-	480 J	<0.0057 U	<1.3 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2302WK3	2/22/2023	Primary	V	<80 U	<100 U	-	<310 U	-	480 J	<0.0058 U	<1.3 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2302WK4	3/1/2023	Primary	V	<80 U	<100 U	-	<300 U	-	<800 U	<0.0057 U	<1.3 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK2	3/15/2023	Primary	V	<80 U	<100 U	-	<310 U	-	<800 U	<0.0058 U	<1.3 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK3	3/22/2023	Primary	V	<80 U	<100 U	-	<310 U	-	420 J	<0.0057 U	5.3 J-
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK4	3/29/2023	Primary	V	<80 U	<100 U	-	<300 U	-	380 J	<0.0058 U	48
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2304WK1	4/5/2023	Primary	V	<80 U	<100 U	-	<310 U	-	470 J	<0.0057 U	25
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK1	5/2/2023	Primary	V	<80 U	<110 U	-	<330 U	-	540 J	<0.0057 U	1.8 J
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK3	5/17/2023	Primary	V	<80 U	<100 U	-	<310 U	-	1300 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) ^b		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		-		350		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-2303WK1	3/7/2023	Primary	V	<80	U	<80	U	-		<240	U	-		<800	U	<0.0057	UJ	<1.3	UJ
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK2	3/14/2023	Primary	V	<80	U	<100	U	-		<300	U	-		<800	U	<0.0057	U	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK4	3/28/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0057	U	<1.3	UJ
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2304WK1	4/4/2023	Primary	V	<80	U	<100	U	-		<310	U	-		<800	U	<0.0058	UJ	<1.3	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2305WK1	5/1/2023	Primary	V	<80	U	<100	U	-		<310	U	-		350	J	<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) ^b	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	ND	ND	160	ND	580	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-WGFD01LF-2303WK1	3/7/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-				
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK1	3/7/2023	Primary	V	<80	U	<80	U	<80	U	160	J	<240	U	350	J	<0.0058	UJ	<1.3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK2	3/14/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-	-	-	-
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK2	3/14/2023	Primary	V	<80	U	<100	U	-	<300	U	-	-	<800	U	<0.0059	U	<1.3	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK4	3/28/2023	Field Duplicate	V	<80	U	<100	U	-	<310	U	-	-	-	-	-	-	-	-	-
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK4	3/28/2023	Primary	V	<80	U	<100	UJ	-	<310	UJ	-	-	<800	U	<0.0057	U	<1.3	UJ	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2304WK1	4/4/2023	Field Duplicate	V	<80	U	<100	U	-	<300	U	-	-	-	-	-	-	-	-	-
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2304WK1	4/4/2023	Primary	V	<80	U	<100	U	-	<310	U	-	-	410	J	<0.0058	UJ	<1.3	U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2305WK1	5/1/2023	Field Duplicate	V	<80	U	<100	U	-	<310	U	-	-	-	-	-	-	-	-	-
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2305WK1	5/1/2023	Primary	V	<80	U	<110	U	-	<320	U	-	-	580	J	<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) ^b	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	520	ND	ND
Maximum							ND	1600	1500	190	ND	1800	ND	1.2
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-2301WK1	1/5/2023	Primary	V	<80 U	<100 U	<100 U	190 J	<310 U	1700 J+	<0.0058 U	<1.3 U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK1	3/8/2023	Primary	V	<80 U	210	180	<250 U	<250 U	1200	<0.0061 U	1 J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK3	3/22/2023	Primary	V	<80 U	<100 U	-	<310 U	-	520 J	<0.0057 U	1.2 J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK4	3/29/2023	Primary	V	<80 U	300	250	<300 U	<300 U	640 J	<0.0057 U	0.87 J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2304WK1	4/5/2023	Primary	V	<80 U	1600	1500	<310 U	<310 U	1800	<0.0057 U	0.69 J

Notes:

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									
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									
Method							8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B								
DOH Tier 1 EAL							5	30	40	20	-	-	-	80	5	25	-									
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									
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK3	2/21/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK1	3/7/2023	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK3	3/21/2023	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK4	3/28/2023	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2304WK1	4/4/2023	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2305WK1	5/2/2023	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

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							Chloroethane	Chloroform	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													
CAS No.							75-00-3	67-66-3	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													
Method							8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B											
DOH Tier 1 EAL							16	28	190	-	-	-	10	5	5	-	2.8	5	7													
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	0.54	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-2302WK2	2/14/2023	Primary	V	<0.25	U	<0.07	U	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		
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK3	2/21/2023	Primary	V	<0.25	U	<0.07	U	<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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK4	2/28/2023	Primary	V	<0.25	U	<0.07	U	<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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK1	3/7/2023	Primary	V	<0.25	U	<0.07	U	<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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK3	3/21/2023	Primary	V	<0.25	U	<0.07	U	<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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK4	3/28/2023	Primary	V	<0.25	U	<0.07	U	0.16	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2304WK1	4/4/2023	Primary	V	<0.25	U	<0.07	U	<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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2305WK1	5/2/2023	Primary	V	<0.25	U	<0.07	U	0.54		<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

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	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	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	
							CAS No.	156-59-2	156-60-5	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	
							Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
							DOH Tier 1 EAL	70	100	5	-	-	-	-	-	5600	5	5	10	
							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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK2	2/14/2023	Primary	V	<0.15 U	<0.07 U	<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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15 U	<0.07 U	<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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK4	2/28/2023	Primary	V	<0.15 U	<0.07 U	<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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK1	3/7/2023	Primary	V	<0.15 U	<0.07 U	<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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK3	3/21/2023	Primary	V	<0.15 U	<0.07 U	<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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK4	3/28/2023	Primary	V	<0.15 U	<0.07 U	<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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2304WK1	4/4/2023	Primary	V	<0.15 U	<0.07 U	<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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2305WK1	5/2/2023	Primary	V	<0.15 U	<0.07 U	<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	

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							1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Dissolved Lead													
CAS No.							630-20-6	79-34-5	127-18-4	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	8260B	8260B	8260B	SW6020	SW6020												
DOH Tier 1 EAL							0.61	0.078	5	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	µg/L	µg/L													
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.079	ND													
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25	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													
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK2	2/14/2023	Primary	V	<0.15	U	<0.15	U	<0.25	U	<0.07	U	<0.15	U	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.079	J	0.046	J
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15	U	<0.15	U	<0.25	U	<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	0.055	J
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK4	2/28/2023	Primary	V	<0.15	U	<0.15	U	<0.25	U	<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	0.042	J
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK1	3/7/2023	Primary	V	<0.15	U	<0.15	U	<0.25	U	<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	0.31	J
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK3	3/21/2023	Primary	V	<0.15	U	<0.15	U	<0.25	U	<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	0.31	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK4	3/28/2023	Primary	V	<0.15	U	<0.15	U	<0.25	U	<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	<0.08	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2304WK1	4/4/2023	Primary	V	<0.15	U	<0.15	U	<0.25	U	<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	0.075	J
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2305WK1	5/2/2023	Primary	V	<0.15	U	<0.15	U	<0.25	U	<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

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										
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										
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										
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	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND										
Maximum							ND	0.14	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										
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK2	2/14/2023	Primary	V	<0.07	U	0.088	J	<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
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK3	2/21/2023	Primary	V	<0.07	U	0.064	J	<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
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK4	2/28/2023	Primary	V	<0.07	U	0.082	J	<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
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK1	3/7/2023	Primary	V	<0.07	U	0.03	J	<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
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK3	3/21/2023	Primary	V	<0.07	U	0.1	J	<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
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK4	3/28/2023	Primary	V	<0.07	U	0.065	J	<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
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2304WK1	4/4/2023	Primary	V	<0.07	U	0.083	J	<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
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2305WK1	5/2/2023	Primary	V	<0.07	U	0.14	J	<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

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							Chloroform	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.							67-66-3	74-87-3	95-49-8	106-43-4	74-95-3	95-60-1	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	8260B																
DOH Tier 1 EAL							28	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	µg/L																	
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																	
Maximum							ND	0.55	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														
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK2	2/14/2023	Primary	V	<0.07	U	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	<0.15	U	<0.07	U		
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK3	2/21/2023	Primary	V	<0.07	U	<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	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK4	2/28/2023	Primary	V	<0.07	U	<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	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK1	3/7/2023	Primary	V	<0.07	U	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	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK3	3/21/2023	Primary	V	<0.07	U	<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	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK4	3/28/2023	Primary	V	<0.07	U	<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	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2304WK1	4/4/2023	Primary	V	<0.07	U	0.14	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	<0.15	U	<0.07	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2305WK1	5/2/2023	Primary	V	<0.07	U	0.55		<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	<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	1,1,1-Trichloroethane	1,1,2-Trichloroethane		
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	71-55-6	79-00-5		
Method							8260B	8260B	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	11	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	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	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-2302WK2	2/14/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK4	2/28/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK1	3/7/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK3	3/21/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK4	3/28/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2304WK1	4/4/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2305WK1	5/2/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 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: RHMW02

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
Minimum							ND	ND	ND	ND	ND	ND	0.14	ND								
Maximum							ND	ND	ND	ND	ND	ND	0.57	0.18								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK2	2/14/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.17	J	0.082	J
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.14	J	<0.08	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK4	2/28/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.19	J	0.092	J
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK1	3/7/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.21	J	0.18	J
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK3	3/21/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.57	J	0.056	J
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK4	3/28/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.26	J	<0.08	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2304WK1	4/4/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.23	J	<0.08	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2305WK1	5/2/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.26	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: 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	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	0.052	ND	ND	ND	ND	ND	ND	ND	0.066	ND	ND													
Maximum							ND	ND	0.052	ND	ND	ND	ND	ND	ND	0.066	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-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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK4	2/28/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	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-2303WK1	3/7/2023	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-2303WK3	3/21/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK4	3/28/2023	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	0.066	J	<0.15	U	<0.25	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2304WK1	4/4/2023	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-2305WK1	5/2/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK3	5/16/2023	Primary	V	<0.07	U	<0.07	U	0.052	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

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	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							0.41	ND	ND	ND	0.083	ND	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	Result	Result													
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-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		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK3	2/21/2023	Primary	V	0.14	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		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-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		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK1	3/7/2023	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		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK3	3/21/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	0.052	J	<0.15	U	1.2		<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK4	3/28/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	0.082	J	<0.15	U	2		<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2304WK1	4/4/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	0.083	J	<0.15	U	1.7		<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK1	5/2/2023	Primary	V	0.41	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		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK3	5/16/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	0.044	J	<0.15	U	0.3		<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: 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	1,1,1-Trichloroethane	1,1,2-Trichloroethane		
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	71-55-6	79-00-5		
Method							8260B	8260B	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	11	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	µg/L	µg/L	
Minimum							ND	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	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	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK2	2/14/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK4	2/28/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK1	3/7/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK3	3/21/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK4	3/28/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2304WK1	4/4/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK1	5/2/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U		
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK3	5/16/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 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: RHMW03

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Dissolved Lead
CAS No.							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	SW6020	SW6020
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Minimum							ND	ND	ND	ND	ND	ND	0.12	ND
Maximum							ND	ND	ND	ND	ND	ND	0.73	0.23
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-2302WK2	2/14/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.17 J	0.15 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.12 J	0.077 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK4	2/28/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.37 J	0.06 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK1	3/7/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.47 J	0.23 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK3	3/21/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.73 J	0.043 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK4	3/28/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.47 J	<0.08 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2304WK1	4/4/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.14 J	0.1 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK1	5/2/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.22 J	0.044 J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK3	5/16/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.51 J	0.058 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	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											
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK4	1/25/2023	Field Duplicate	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK1	3/9/2023	Field Duplicate	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK1	3/9/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK2	3/15/2023	Field Duplicate	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK2	3/15/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK4	3/30/2023	Field Duplicate	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK4	3/30/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2304WK1	4/6/2023	Field Duplicate	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2304WK1	4/6/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2305WK2	5/11/2023	Field Duplicate	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2305WK2	5/11/2023	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

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							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	0.15	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											
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK4	1/25/2023	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-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	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK1	3/9/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK1	3/9/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK2	3/15/2023	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	0.063	J	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK2	3/15/2023	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	J	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK4	3/30/2023	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-2303WK4	3/30/2023	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-2304WK1	4/6/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2304WK1	4/6/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2305WK2	5/11/2023	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-2305WK2	5/11/2023	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

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	1,1,1-Trichloroethane	1,1,2-Trichloroethane			
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	71-55-6	79-00-5			
Method							8260B	8260B	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	11	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	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	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK4	1/25/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK1	3/9/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK1	3/9/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK2	3/15/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK4	3/30/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK4	3/30/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2304WK1	4/6/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2304WK1	4/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2305WK2	5/11/2023	Field Duplicate	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2305WK2	5/11/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<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: RHMW04

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
Minimum							ND	ND	ND	ND	ND	ND	0.13	ND								
Maximum							ND	ND	ND	ND	ND	ND	0.55	0.19								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK4	1/25/2023	Field Duplicate	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.36	J	0.075	J
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK1	3/9/2023	Field Duplicate	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK1	3/9/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.55	J+	0.064	J
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK2	3/15/2023	Field Duplicate	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.48	-	0.062	J
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK4	3/30/2023	Field Duplicate	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK4	3/30/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.49	-	<0.08	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2304WK1	4/6/2023	Field Duplicate	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2304WK1	4/6/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.4	-	0.19	J
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2305WK2	5/11/2023	Field Duplicate	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	-	-		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2305WK2	5/11/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.13	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: 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	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-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	<0.15	U	<0.25	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-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	<0.15	U	<0.25	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK4	2/28/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK1	3/7/2023	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	<0.25	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK3	3/21/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK4	3/28/2023	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	<0.25	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2304WK1	4/4/2023	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	<0.25	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK1	5/2/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK3	5/16/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	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	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							0.34	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-2302WK2	2/14/2023	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
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK3	2/21/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-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
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK1	3/7/2023	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
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK3	3/21/2023	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
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK4	3/28/2023	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
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2304WK1	4/4/2023	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
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK1	5/2/2023	Primary	V	0.34	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-2305WK3	5/16/2023	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

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	1,1,1-Trichloroethane	1,1,2-Trichloroethane		
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	71-55-6	79-00-5		
Method							8260B	8260B	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	11	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	µg/L	µg/L	
Minimum							ND	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	0.096	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK2	2/14/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK4	2/28/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK1	3/7/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK3	3/21/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK4	3/28/2023	Primary	V	<0.15 U	<0.07 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	0.094 J	<0.07 U	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2304WK1	4/4/2023	Primary	V	<0.15 U	<0.07 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	0.089 J	<0.07 U	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK1	5/2/2023	Primary	V	<0.15 U	<0.07 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	0.096 J	<0.07 U	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK3	5/16/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 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: RHMW05

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead
CAS No.							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	SW6020	SW6020
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Minimum							ND	ND	ND	ND	ND	ND	0.34	ND
Maximum							ND	ND	ND	ND	ND	ND	3.5	0.82
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-2302WK2	2/14/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	1.5	0.82
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	2	0.72
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK4	2/28/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	1	0.35 J
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK1	3/7/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	1.1	0.052 J
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK3	3/21/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	3.5	0.063 J
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK4	3/28/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.92	<0.08 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2304WK1	4/4/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	2.8	0.043 J
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK1	5/2/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.43	<0.08 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK3	5/16/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.34 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: 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	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													
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-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	0.048	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK1	3/9/2023	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	0.046	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK2	3/15/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.047	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK3	3/24/2023	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	0.048	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK4	3/30/2023	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	0.045	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2304WK1	4/6/2023	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	0.048	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	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							0.16	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											
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-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	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK1	3/9/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK2	3/15/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK3	3/24/2023	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	U	<0.15	U	<0.07	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK4	3/30/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2304WK1	4/6/2023	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

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	1,1,1-Trichloroethane	1,1,2-Trichloroethane			
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	71-55-6	79-00-5			
Method							8260B	8260B	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	11	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	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	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-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK1	3/9/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK3	3/24/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK4	3/30/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2304WK1	4/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<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: RHMW06

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	0.11	0.18								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.11	J	0.046	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK1	3/9/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	0.18	J
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK3	3/24/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.043	J	<0.08	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK4	3/30/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.067	J	<0.08	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2304WK1	4/6/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.11	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: 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	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													
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-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	<0.25	U	<0.07	U		
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK1	3/9/2023	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
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK2	3/15/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK4	3/30/2023	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-2304WK1	4/6/2023	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-2305WK2	5/11/2023	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

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	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							0.35	ND	ND	ND	ND	ND	ND	ND	ND	0.34	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-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	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK1	3/9/2023	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
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK2	3/15/2023	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
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK4	3/30/2023	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
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2304WK1	4/6/2023	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	0.097	J	<0.07	U	<0.15	U	<0.07	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2305WK2	5/11/2023	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	0.34	J	<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	1,1,1-Trichloroethane	1,1,2-Trichloroethane							
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	71-55-6	79-00-5							
Method							8260B	8260B	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	11	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	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	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	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK1	3/9/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK4	3/30/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2304WK1	4/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2305WK2	5/11/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<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: RHMW08

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
Minimum							ND	ND	ND	ND	ND	ND	0.062	ND								
Maximum							ND	ND	ND	ND	ND	ND	0.32	0.047								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.32	J	<0.08	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK1	3/9/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.13	J	<0.08	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.098	J	<0.08	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK4	3/30/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.062	J	<0.08	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2304WK1	4/6/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.17	J	0.047	J
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2305WK2	5/11/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.26	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: 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	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													
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-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	<0.25	U	<0.07	U		
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK1	3/6/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK2	3/13/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK3	3/20/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2304WK1	4/3/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2305WK1	5/3/2023	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

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	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							0.52	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											
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK3	2/20/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK1	3/6/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK2	3/13/2023	Primary	V	0.26	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK3	3/20/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2304WK1	4/3/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2305WK1	5/3/2023	Primary	V	0.52		<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: 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	1,1,1-Trichloroethane	1,1,2-Trichloroethane			
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	71-55-6	79-00-5			
Method							8260B	8260B	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	11	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	µg/L	µg/L		
Minimum							ND	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	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-WGN01B-2302WK3	2/20/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK4	2/27/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK1	3/6/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK2	3/13/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK3	3/20/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2304WK1	4/3/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2305WK1	5/3/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<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							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	0.31	0.085								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK3	2/20/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.047	J	<0.08	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK4	2/27/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.081	J	<0.08	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK1	3/6/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.11	J	0.061	J
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK2	3/13/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.31	J	0.085	J
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK3	3/20/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.14	J	<0.08	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2304WK1	4/3/2023	Primary	V	<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-2305WK1	5/3/2023	Primary	V	<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: 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	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	0.036				
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-WGN01LF-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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK4	2/28/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK1	3/6/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK2	3/13/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	-	R	<0.35	U	<0.07	U	<0.15	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK3	3/20/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK1	4/3/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK4	4/24/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2305WK1	5/1/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	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	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	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-WGN01LF-2302WK3	2/21/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK1	3/6/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK2	3/13/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK3	3/20/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK1	4/3/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK4	4/24/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2305WK1	5/1/2023	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)
 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	1,1,1-Trichloroethane	1,1,2-Trichloroethane		
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	71-55-6	79-00-5		
Method							8260B	8260B	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	11	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	µg/L	µg/L	
Minimum							ND	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	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		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK3	2/21/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK4	2/28/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK1	3/6/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK2	3/13/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK3	3/20/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK1	4/3/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK4	4/24/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2305WK1	5/1/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<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: RHMW12A

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	0.57	0.31								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK3	2/21/2023	Primary	V	<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-2302WK4	2/28/2023	Primary	V	<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-2303WK1	3/6/2023	Primary	V	<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-2303WK2	3/13/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.57		0.31	J
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK3	3/20/2023	Primary	V	<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-2304WK1	4/3/2023	Primary	V	<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-2304WK4	4/24/2023	Primary	V	<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-2305WK1	5/1/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	0.059	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: 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	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	0.05	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-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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK1	3/8/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK3	3/21/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK4	3/27/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2304WK1	4/3/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK1	5/1/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK3	5/18/2023	Primary	V	<0.07	U	<0.07	U	0.05	J	<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: 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							0.14	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-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	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK1	3/8/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK3	3/21/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK4	3/27/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2304WK1	4/3/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK1	5/1/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK3	5/18/2023	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: 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	1,1,1-Trichloroethane	1,1,2-Trichloroethane					
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	71-55-6	79-00-5					
Method							8260B	8260B	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	11	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	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	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK2	2/15/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.25 U	<0.07 U	<0.15 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK1	3/8/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.25 U	<0.07 U	<0.15 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK3	3/21/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.25 U	<0.07 U	<0.15 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK4	3/27/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.25 U	<0.07 U	<0.15 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2304WK1	4/3/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.25 U	<0.07 U	<0.15 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK1	5/1/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.25 U	<0.07 U	<0.15 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK3	5/18/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	<0.25 U	<0.07 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: RHMW11-05

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead
CAS No.							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	SW6020	SW6020
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-
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	0.25	0.043
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-2302WK2	2/15/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK1	3/8/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK3	3/21/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK4	3/27/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2304WK1	4/3/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	<0.08 U	<0.08 U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK1	5/1/2023	Primary	V	<0.15 U	<0.35 U	<0.15 U	<0.09 U	<0.25 U	<0.35 U	0.25 J	0.043 J
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK3	5/18/2023	Primary	V	<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: 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										
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											
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-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	<0.15	U	<0.25	U	<0.07	U				
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-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	<0.15	U	<0.25	U	<0.07	U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK1	3/7/2023	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	<0.15	U	<0.25	U	<0.07	U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK2	3/14/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	-	R	<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-2303WK3	3/22/2023	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	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK4	3/28/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	-	R	<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-2304WK1	4/4/2023	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	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2305WK1	5/2/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<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: 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	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							0.87	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											
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK1	3/7/2023	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-2303WK2	3/14/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK3	3/22/2023	Primary	V	0.87		<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-2303WK4	3/28/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2304WK1	4/4/2023	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-2305WK1	5/2/2023	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

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	1,1,1-Trichloroethane	1,1,2-Trichloroethane		
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	71-55-6	79-00-5		
Method							8260B	8260B	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	11	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	µg/L	µg/L	
Minimum							ND	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	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		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK2	2/14/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK3	2/22/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK1	3/7/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK2	3/14/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK3	3/22/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK4	3/28/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2304WK1	4/4/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U		
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2305WK1	5/2/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<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: RHMW13-05

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	0.1	ND								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK2	2/14/2023	Primary	V	<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-2302WK3	2/22/2023	Primary	V	<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-2303WK1	3/7/2023	Primary	V	<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-2303WK2	3/14/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.1	J	<0.08	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK3	3/22/2023	Primary	V	<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-2303WK4	3/28/2023	Primary	V	<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-2304WK1	4/4/2023	Primary	V	<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-2305WK1	5/2/2023	Primary	V	<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	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-WGN01G-2302WK4	3/1/2023	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	<0.07	U		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK1	3/8/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK3	3/21/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	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-2303WK4	3/31/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2304WK1	4/3/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	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-2305WK1	5/1/2023	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	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK3	5/17/2023	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

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	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-WGN01G-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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK1	3/8/2023	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-2303WK3	3/21/2023	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-2303WK4	3/31/2023	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-2304WK1	4/3/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK1	5/1/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK3	5/17/2023	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	1,1,1-Trichloroethane	1,1,2-Trichloroethane							
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	71-55-6	79-00-5							
Method							8260B	8260B	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	11	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	µg/L	µg/L						
Minimum							ND	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	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	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK4	3/1/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK1	3/8/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK3	3/21/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK4	3/31/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2304WK1	4/3/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK1	5/1/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK3	5/17/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<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: RHMW14-03

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	0.12	0.051								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK4	3/1/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.046	J	<0.08	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK1	3/8/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.052	J	0.051	J
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK3	3/21/2023	Primary	V	<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-2303WK4	3/31/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.068	J	0.043	J
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2304WK1	4/3/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK1	5/1/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK3	5/17/2023	Primary	V	<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								
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-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	<0.07	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK1	3/9/2023	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-2303WK3	3/23/2023	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-2303WK4	3/30/2023	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-2304WK1	4/6/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK1	5/4/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK2	5/11/2023	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

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	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	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-WGN01G-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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK1	3/9/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK3	3/23/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK4	3/30/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2304WK1	4/6/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK1	5/4/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK2	5/11/2023	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

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	1,1,1-Trichloroethane	1,1,2-Trichloroethane		
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	71-55-6	79-00-5		
Method							8260B	8260B	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	11	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	µg/L	µg/L	
Minimum							ND	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	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK4	3/2/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK1	3/9/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK3	3/23/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK4	3/30/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2304WK1	4/6/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK1	5/4/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK2	5/11/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 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							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Dissolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	ND								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK4	3/2/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK1	3/9/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.047	J	<0.08	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK3	3/23/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK4	3/30/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.041	J	<0.08	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2304WK1	4/6/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK1	5/4/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK2	5/11/2023	Primary	V	<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: 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	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					
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2302WK4	2/28/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK1	3/6/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK2	3/13/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	-	R	<0.35	U	<0.07	U	<0.15	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK3	3/20/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2304WK1	4/3/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2304WK4	4/24/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2305WK1	5/1/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	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	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							0.18	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											
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2302WK3	2/21/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK1	3/6/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK2	3/13/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK3	3/20/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2304WK1	4/3/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2304WK4	4/24/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2305WK1	5/1/2023	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)
 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	1,1,1-Trichloroethane	1,1,2-Trichloroethane		
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	71-55-6	79-00-5		
Method							8260B	8260B	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	11	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	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	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-WGN01F-2302WK3	2/21/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2302WK4	2/28/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK1	3/6/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK2	3/13/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK3	3/20/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2304WK1	4/3/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2304WK4	4/24/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2305WK1	5/1/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 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: RHMW16

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	0.071								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2302WK3	2/21/2023	Primary	V	<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-WGN01F-2302WK4	2/28/2023	Primary	V	<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-WGN01F-2303WK1	3/6/2023	Primary	V	<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-WGN01F-2303WK2	3/13/2023	Primary	V	<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-WGN01F-2303WK3	3/20/2023	Primary	V	<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-WGN01F-2304WK1	4/3/2023	Primary	V	<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-WGN01F-2304WK4	4/24/2023	Primary	V	<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-WGN01F-2305WK1	5/1/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	0.071	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: 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	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-2303WK1	3/9/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK2	3/16/2023	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-2303WK3	3/23/2023	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-2303WK4	3/30/2023	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-2304WK1	4/6/2023	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-2305WK1	5/4/2023	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

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	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							0.25	ND	ND	ND	ND	ND	ND	ND	ND	0.13	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-2303WK1	3/9/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK2	3/16/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK3	3/23/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK4	3/30/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2304WK1	4/6/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2305WK1	5/4/2023	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	0.13	J	<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	1,1,1-Trichloroethane	1,1,2-Trichloroethane					
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	71-55-6	79-00-5					
Method							8260B	8260B	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	11	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	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	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK1	3/9/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK2	3/16/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK3	3/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK4	3/30/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2304WK1	4/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2305WK1	5/4/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<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: RHMW17

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
Minimum							ND	ND	ND	ND	ND	ND	0.14	ND								
Maximum							ND	ND	ND	ND	ND	ND	0.41	0.12								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK1	3/9/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.14	J	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK2	3/16/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.39	J	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK3	3/23/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.35	J	<0.08	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK4	3/30/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.41	J	0.12	J
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2304WK1	4/6/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.15	J	0.064	J
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2305WK1	5/4/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.24	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	Result	Result	Result	Result													
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-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	<0.25	U	<0.07	U		
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK1	3/6/2023	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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK2	3/13/2023	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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK3	3/20/2023	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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2304WK1	4/3/2023	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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2305WK1	5/3/2023	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

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	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							0.29	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											
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK3	2/20/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.35	UJ	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-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	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK1	3/6/2023	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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK2	3/13/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	UJ	<0.15	U	<0.07	UJ
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK3	3/20/2023	Primary	V	0.14	J	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2304WK1	4/3/2023	Primary	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2305WK1	5/3/2023	Primary	V	0.29	J	<0.35	U	<0.25	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: 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	1,1,1-Trichloroethane	1,1,2-Trichloroethane									
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	71-55-6	79-00-5									
Method							8260B	8260B	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	11	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	µg/L	µg/L								
Minimum							ND	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	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			
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK3	2/20/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	<0.15	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK4	2/27/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	<0.15	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK1	3/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	<0.15	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK2	3/13/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	<0.15	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK3	3/20/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	<0.15	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2304WK1	4/3/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U	<0.15	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2305WK1	5/3/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	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							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	0.18	0.083								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK3	2/20/2023	Primary	V	<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-2302WK4	2/27/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.18	J	0.047	J
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK1	3/6/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.082	J	<0.08	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK2	3/13/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.095	J	0.083	J
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK3	3/20/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.066	J	<0.08	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2304WK1	4/3/2023	Primary	V	<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-2305WK1	5/3/2023	Primary	V	<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: RHMW2254-01

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											
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	0.14										
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result											
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-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	0.12	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-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
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK1	3/8/2023	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	0.11	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK1	3/8/2023	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-2303WK3	3/22/2023	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	0.11	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK3	3/22/2023	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-2303WK4	3/29/2023	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	0.1	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK4	3/29/2023	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-2304WK1	4/5/2023	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	0.14	J
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2304WK1	4/5/2023	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
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2305WK1	5/4/2023	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
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2305WK1	5/4/2023	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

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							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							0.56	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													
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK1	1/5/2023	Primary	V	0.26	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	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2301WK1	1/5/2023	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
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK1	3/8/2023	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
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK1	3/8/2023	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
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK3	3/22/2023	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	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK3	3/22/2023	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
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK4	3/29/2023	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
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK4	3/29/2023	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
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2304WK1	4/5/2023	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
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2304WK1	4/5/2023	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
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2305WK1	5/4/2023	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
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2305WK1	5/4/2023	Primary	V	0.56		<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: RHMW2254-01

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	1,1,1-Trichloroethane	1,1,2-Trichloroethane		
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	71-55-6	79-00-5		
Method							8260B	8260B	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	11	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	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	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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-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	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-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	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK1	3/8/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK1	3/8/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK3	3/22/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK3	3/22/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK4	3/29/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK4	3/29/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2304WK1	4/5/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2304WK1	4/5/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2305WK1	5/4/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2305WK1	5/4/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<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: RHMW2254-01

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Dissolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	0.17	0.64								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK1	1/5/2023	Primary	V	<0.15	U	<0.35	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-WGN01F-2301WK1	1/5/2023	Primary	V	<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-2303WK1	3/8/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.064	J	<0.08	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK1	3/8/2023	Primary	V	<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-2303WK3	3/22/2023	Primary	V	<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-WGN01F-2303WK3	3/22/2023	Primary	V	<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-2303WK4	3/29/2023	Primary	V	<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-WGN01F-2303WK4	3/29/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	0.64	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2304WK1	4/5/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.076	J	<0.08	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2304WK1	4/5/2023	Primary	V	<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-2305WK1	5/4/2023	Primary	V	<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-WGN01F-2305WK1	5/4/2023	Primary	V	<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: 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	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	0.27											
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-2303WK1	3/9/2023	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	0.24
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK3	3/23/2023	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	0.24
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK4	3/30/2023	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-2304WK1	4/6/2023	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	0.24
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2305WK1	5/4/2023	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	0.27

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	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	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											
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK1	3/9/2023	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
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK3	3/23/2023	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-2303WK4	3/30/2023	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-2304WK1	4/6/2023	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
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2305WK1	5/4/2023	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	1,1,1-Trichloroethane	1,1,2-Trichloroethane			
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	71-55-6	79-00-5			
Method							8260B	8260B	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	11	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	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	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-2303WK1	3/9/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK3	3/23/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK4	3/30/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2304WK1	4/6/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2305WK1	5/4/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<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: OWDFMW01

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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							0.13	ND	ND	ND	ND	ND	0.047	0.062								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK1	3/9/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK3	3/23/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.047	J	<0.08	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK4	3/30/2023	Primary	V	0.11	J	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.045	J	<0.08	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2304WK1	4/6/2023	Primary	V	0.13	J	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	0.062	J
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2305WK1	5/4/2023	Primary	V	<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: 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	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	0.073	ND	ND	ND	4.8										
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-WGFD01LF-2302WK2	2/15/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.046	J	<0.15	U	<0.15	U	<0.25	U	4.2
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-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	0.046	J	<0.15	U	<0.15	U	<0.25	U	4.2
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK3	2/22/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.071	J	<0.15	U	<0.15	U	<0.25	U	3.8
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-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	0.073	J	<0.15	U	<0.15	U	<0.25	U	3.9
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK4	3/1/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.053	J	<0.15	U	<0.15	U	<0.25	U	3.5
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-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	0.058	J	<0.15	U	<0.15	U	<0.25	U	3.7
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK2	3/15/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.054	J	<0.15	U	<0.15	U	<0.25	U	3.7
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK2	3/15/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.059	J	<0.15	U	<0.15	U	<0.25	U	3.8
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK3	3/22/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.039	J	<0.15	U	<0.15	U	<0.25	U	3.6
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK3	3/22/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.045	J	<0.15	U	<0.15	U	<0.25	U	3.7
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK4	3/29/2023	Field Duplicate	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	3.8
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK4	3/29/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.046	J	<0.15	U	<0.15	U	<0.25	U	3.6
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2304WK1	4/5/2023	Field Duplicate	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	4.1
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2304WK1	4/5/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.038	J	<0.15	U	<0.15	U	<0.25	U	4
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK1	5/2/2023	Field Duplicate	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	4.2
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK1	5/2/2023	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	4.6
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK3	5/17/2023	Field Duplicate	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.05	J	<0.15	U	<0.15	U	<0.25	U	4.8
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK3	5/17/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.35	U	0.044	J	<0.15	U	<0.15	U	<0.25	U	4.5

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	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							0.16	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											
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK2	2/15/2023	Field Duplicate	V	<0.35	U	<0.35	U	<0.25	U	<0.15	U	<0.15	U	<0.15	U	<0.8	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-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	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK3	2/22/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK4	3/1/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK2	3/15/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK2	3/15/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK3	3/22/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK3	3/22/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK4	3/29/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK4	3/29/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2304WK1	4/5/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2304WK1	4/5/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK1	5/2/2023	Field Duplicate	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	U	<0.15	U	<0.07	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK1	5/2/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK3	5/17/2023	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
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK3	5/17/2023	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: 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		1,1,1-Trichloroethane		1,1,2-Trichloroethane					
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		71-55-6		79-00-5					
Method							8260B		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		11		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		µg/L		µg/L			
Minimum							ND		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		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					
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK2	2/15/2023	Field Duplicate	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK2	2/15/2023	Primary	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK3	2/22/2023	Field Duplicate	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK3	2/22/2023	Primary	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK4	3/1/2023	Field Duplicate	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK4	3/1/2023	Primary	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK2	3/15/2023	Field Duplicate	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK3	3/22/2023	Field Duplicate	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK3	3/22/2023	Primary	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK4	3/29/2023	Field Duplicate	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK4	3/29/2023	Primary	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2304WK1	4/5/2023	Field Duplicate	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2304WK1	4/5/2023	Primary	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK1	5/2/2023	Field Duplicate	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK1	5/2/2023	Primary	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK3	5/17/2023	Field Duplicate	V	<0.15	U	<0.07	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	<0.25	U	<0.07	U	<0.15	U				
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK3	5/17/2023	Primary	V	<0.15	U	<0.07	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	<0.25	U	<0.07	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: OWDFMW04A

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	0.051	ND								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK2	2/15/2023	Field Duplicate	V	<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-2302WK2	2/15/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.049	J	<0.08	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK3	2/22/2023	Field Duplicate	V	<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-2302WK3	2/22/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK4	3/1/2023	Field Duplicate	V	<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-2302WK4	3/1/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK2	3/15/2023	Field Duplicate	V	<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-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK3	3/22/2023	Field Duplicate	V	<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-2303WK3	3/22/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.051	J	<0.08	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK4	3/29/2023	Field Duplicate	V	<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-2303WK4	3/29/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2304WK1	4/5/2023	Field Duplicate	V	<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-2304WK1	4/5/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK1	5/2/2023	Field Duplicate	V	<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-2305WK1	5/2/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK3	5/17/2023	Field Duplicate	V	<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-2305WK3	5/17/2023	Primary	V	<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: 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	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-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	<0.15	U	<0.15	U	<0.25	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-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	<0.15	U	<0.15	U	<0.25	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-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	<0.15	U	<0.15	U	<0.25	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK2	3/15/2023	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	<0.25	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK3	3/22/2023	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	<0.25	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK4	3/29/2023	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	<0.25	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2304WK1	4/5/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK1	5/2/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.25	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK3	5/17/2023	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	<0.25	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	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							0.14	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										
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-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	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-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	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-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	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK2	3/15/2023	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	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK3	3/22/2023	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	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK4	3/29/2023	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	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2304WK1	4/5/2023	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	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK1	5/2/2023	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	<0.15	U	<0.07	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK3	5/17/2023	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	<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: 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	1,1,1-Trichloroethane	1,1,2-Trichloroethane			
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	71-55-6	79-00-5			
Method							8260B	8260B	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	11	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	µg/L	µg/L		
Minimum							ND	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	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2302WK2	2/15/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2302WK3	2/22/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2302WK4	3/1/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK3	3/22/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK4	3/29/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2304WK1	4/5/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK1	5/2/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK3	5/17/2023	Primary	V	<0.15	U	<0.07	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<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: OWDFMW05A

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Dissolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	0.59								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2302WK2	2/15/2023	Primary	V	<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-2302WK3	2/22/2023	Primary	V	<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-2302WK4	3/1/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	0.079	J
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK2	3/15/2023	Primary	V	<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-2303WK3	3/22/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	0.59	J
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK4	3/29/2023	Primary	V	<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-2304WK1	4/5/2023	Primary	V	<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-2305WK1	5/2/2023	Primary	V	<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-2305WK3	5/17/2023	Primary	V	<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-2303WK1	3/7/2023	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	<0.25	U	<0.07	U						
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK2	3/14/2023	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	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK4	3/28/2023	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	<0.07	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2304WK1	4/4/2023	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
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2305WK1	5/1/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	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: 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	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							0.18	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-2303WK1	3/7/2023	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
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK2	3/14/2023	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
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK4	3/28/2023	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
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2304WK1	4/4/2023	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
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2305WK1	5/1/2023	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

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	1,1,1-Trichloroethane	1,1,2-Trichloroethane		
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	71-55-6	79-00-5		
Method							8260B	8260B	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	11	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	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	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	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK1	3/7/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK2	3/14/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK4	3/28/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2304WK1	4/4/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2305WK1	5/1/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 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: OWDFMW07A

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
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	0.063	0.075								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK1	3/7/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.053	J	<0.08	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK2	3/14/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.063	J	<0.08	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK4	3/28/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.055	J	<0.08	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2304WK1	4/4/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	<0.08	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2305WK1	5/1/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	<0.08	U	0.075	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							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													
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.061												
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.075												
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-WGFD01LF-2303WK1	3/7/2023	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	0.069	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK1	3/7/2023	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	0.067	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK2	3/14/2023	Field Duplicate	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	0.063	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK2	3/14/2023	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	0.061	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK4	3/28/2023	Field Duplicate	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	0.065	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK4	3/28/2023	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	0.067	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2304WK1	4/4/2023	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	0.064	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2304WK1	4/4/2023	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	0.075	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2305WK1	5/1/2023	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	0.068	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2305WK1	5/1/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.061	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	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							0.45	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	Result										
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01F-2303WK1	3/7/2023	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	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01F-2303WK1	3/7/2023	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	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01F-2303WK2	3/14/2023	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	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01F-2303WK2	3/14/2023	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	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01F-2303WK4	3/28/2023	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	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01F-2303WK4	3/28/2023	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	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01F-2304WK1	4/4/2023	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	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01F-2304WK1	4/4/2023	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	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01F-2305WK1	5/1/2023	Field Duplicate	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	<0.15	U	<0.07	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01F-2305WK1	5/1/2023	Primary	V	0.45	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	<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	1,1,1-Trichloroethane	1,1,2-Trichloroethane			
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	71-55-6	79-00-5			
Method							8260B	8260B	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	11	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	µg/L	µg/L		
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31	ND	ND			
Maximum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	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-WGFD01LF-2303WK1	3/7/2023	Field Duplicate	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	0.31 J	<0.07 U	<0.15 U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK1	3/7/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	0.39 J	<0.07 U	<0.15 U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK2	3/14/2023	Field Duplicate	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	1.2	<0.07 U	<0.15 U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK2	3/14/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	1	<0.07 U	<0.15 U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK4	3/28/2023	Field Duplicate	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	0.58	<0.07 U	<0.15 U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK4	3/28/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	0.65	<0.07 U	<0.15 U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2304WK1	4/4/2023	Field Duplicate	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	1.1	<0.07 U	<0.15 U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2304WK1	4/4/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	0.79	<0.07 U	<0.15 U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2305WK1	5/1/2023	Field Duplicate	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	0.48	<0.07 U	<0.15 U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2305WK1	5/1/2023	Primary	V	<0.15 U	<0.07 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	<0.15 U	0.43	<0.07 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: OWDFMW08A

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Disolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
Minimum							ND	ND	ND	ND	ND	ND	0.13	ND								
Maximum							ND	ND	ND	ND	ND	ND	0.37	2.5								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result					
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK1	3/7/2023	Field Duplicate	V	<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-2303WK1	3/7/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.22	J	0.13	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK2	3/14/2023	Field Duplicate	V	<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-2303WK2	3/14/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.25	J	0.23	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK4	3/28/2023	Field Duplicate	V	<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-2303WK4	3/28/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.37	J	<0.08	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2304WK1	4/4/2023	Field Duplicate	V	<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-2304WK1	4/4/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.13	J	0.075	J
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2305WK1	5/1/2023	Field Duplicate	V	<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-2305WK1	5/1/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.22	J	2.5	

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	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	0.057												
Maximum							ND	0.2	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17												
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									
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-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	0.057	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK1	3/8/2023	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	0.11	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK3	3/22/2023	Primary	V	<0.07	U	<0.07	U	<0.15	U	<0.35	U	<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.16	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK4	3/29/2023	Primary	V	<0.07	U	0.2		<0.15	U	1.7		<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.17	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2304WK1	4/5/2023	Primary	V	<0.07	U	0.08	J	<0.15	U	0.84		<0.15	U	<0.15	U	<0.15	U	<0.35	U	<0.07	U	<0.15	U	<0.15	U	<0.25	U	0.15	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)
 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	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							0.4	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													
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK1	1/5/2023	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
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK1	3/8/2023	Primary	V	0.4	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
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK3	3/22/2023	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
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK4	3/29/2023	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
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2304WK1	4/5/2023	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)
 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	1,1,1-Trichloroethane	1,1,2-Trichloroethane		
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	71-55-6	79-00-5		
Method							8260B	8260B	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	11	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	µg/L	µg/L	
Minimum							ND	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	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	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK1	1/5/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK1	3/8/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK3	3/22/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK4	3/29/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 U	<0.15 U	<0.15 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2304WK1	4/5/2023	Primary	V	<0.15 U	<0.07 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	<0.25 U	<0.07 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)
 Water Sampling: Sump Adit 3

Analyte							Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl chloride	m+p-Xylenes	o-Xylene	Lead	Dissolved Lead								
CAS No.							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	SW6020	SW6020								
DOH Tier 1 EAL							5	-	0.6	2	-	-	5.6	-								
Units							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L								
Minimum							ND	ND	ND	ND	ND	ND	0.18	ND								
Maximum							ND	ND	ND	ND	0.94	0.78	10	0.87								
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-2301WK1	1/5/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.18	J	<0.08	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK1	3/8/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	10	J	0.87	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK3	3/22/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	<0.25	U	<0.35	U	0.43	J	<0.08	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK4	3/29/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	0.94	J	0.78	J	0.35	J	0.097	J
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2304WK1	4/5/2023	Primary	V	<0.15	U	<0.35	U	<0.15	U	<0.09	U	0.51	J	0.33	J	0.58	J	<0.08	U

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	
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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK3	2/21/2023	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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK4	2/28/2023	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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK1	3/7/2023	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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK3	3/21/2023	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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK4	3/28/2023	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 U	<0.3 U	<0.3 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2304WK1	4/4/2023	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	- R	<0.29 U	<0.29 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2305WK1	5/2/2023	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	

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											
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											
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK3	2/21/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK4	2/28/2023	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-2303WK1	3/7/2023	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK3	3/21/2023	Primary	V	<0.15	UJ	<0.15	U	<0.15	U	<0.3	UJ	<1.2	UJ	<0.15	UJ	<0.3	U	<0.15	UJ	<6	U	<0.15	UJ	<0.15	UJ
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK4	3/28/2023	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2304WK1	4/4/2023	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2305WK1	5/2/2023	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	<5.9	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: 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	
							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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-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	<0.29 U	<0.29 UJ	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK3	2/21/2023	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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK4	2/28/2023	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-2303WK1	3/7/2023	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	<0.29 U	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK3	3/21/2023	Primary	V	<0.09 UJ	<0.15 UJ	<1.6 UJ	<0.6 UJ	<8 UJ	<0.3 UJ	<0.3 UJ	<0.15 UJ	<0.3 UJ	<0.15 UJ	<0.3 UJ	<0.3 UJ	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK4	3/28/2023	Primary	V	<0.089 U	<0.15 U	<1.6 U	<0.6 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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2304WK1	4/4/2023	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	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2305WK1	5/2/2023	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	<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: 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									
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-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	<3.1	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK3	2/21/2023	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK4	2/28/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	-	R	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	-	R
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK1	3/7/2023	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK3	3/21/2023	Primary	V	<0.15	UJ	<0.3	UJ	<0.3	U	<0.09	UJ	<0.3	UJ	<0.15	UJ	<0.09	UJ	<0.15	U	<1	U	<0.6	U	<3.2	UJ
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK4	3/28/2023	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	<0.6	U	<3.2	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2304WK1	4/4/2023	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2305WK1	5/2/2023	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

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	
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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-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 UJ	<0.29 U	<0.29 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK3	2/21/2023	Primary	V	<0.31 U	<0.15 U	<0.092 U	<0.092 U	<0.31 U	<0.31 U	<0.51 U	<0.51 U	<1.2 UJ	<0.31 U	<0.31 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK4	2/28/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK1	3/7/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK3	3/21/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK4	3/28/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2304WK1	4/4/2023	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	- R	<0.29 U	<0.29 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2305WK1	5/2/2023	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 UJ	<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: 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	
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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-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 U	<0.14 U	<0.14 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15 U	<0.15 U	<0.15 U	<0.31 U	- R	<0.15 U	<0.31 U	<0.15 U	<6.1 U	<0.15 U	<0.15 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK4	2/28/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK1	3/7/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK3	3/21/2023	Primary	V	<0.14 U	- R	- R	<0.29 U	- R	<0.14 U	- R	<0.14 U	- R	<0.14 U	<0.14 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK4	3/28/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2304WK1	4/4/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2305WK1	5/2/2023	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	<5.9 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: 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	
							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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-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 U	<0.14 U	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK3	2/21/2023	Primary	V	<0.092 U	<0.15 U	<1.6 U	<0.61 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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK4	2/28/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK1	3/7/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK3	3/21/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK4	3/28/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2304WK1	4/4/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2305WK1	5/2/2023	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	<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: 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	Result	Result	Result	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK2	2/14/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15 U	<0.31 U	<0.31 U	<0.092 U	<0.31 U	<0.15 U	<0.092 U	<0.15 U	<1 U	<0.61 U	<3.3 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK4	2/28/2023	Primary	V	<0.14 U	<0.29 U	<0.29 U	<0.086 U	- R	<0.14 U	<0.086 U	<0.14 U	<0.95 U	<0.57 U	- R	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK1	3/7/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK3	3/21/2023	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	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK4	3/28/2023	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-2304WK1	4/4/2023	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	<3.1 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2305WK1	5/2/2023	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	

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	
Maximum							ND	0.053	ND	1	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-2302WK2	2/14/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK3	2/21/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	<0.29	U	<0.29	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK4	2/28/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	U	<0.28	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK1	3/7/2023	Primary	V	<0.29	U	<0.15	U	<0.088	U	<0.088	U	<0.29	U	<0.29	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK3	3/21/2023	Primary	V	<0.29	U	<0.15	U	<0.088	U	0.36	J	<0.29	U	<0.29	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK4	3/28/2023	Primary	V	<0.3	U	<0.15	U	<0.089	U	0.86		<0.3	U	<0.3	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2304WK1	4/4/2023	Primary	V	<0.29	U	0.053	J	<0.087	U	1		<0.29	U	<0.29	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK1	5/2/2023	Primary	V	<0.3	U	<0.15	U	<0.09	U	0.34	J	<0.3	U	<0.3	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK3	5/16/2023	Primary	V	<0.3	U	<0.15	U	<0.091	U	0.37	J	<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: 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													
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											
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK2	2/14/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK3	2/21/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK4	2/28/2023	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	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK1	3/7/2023	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	<5.9	U	<0.15	U	<0.15	U	<0.15	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK3	3/21/2023	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	<5.9	U	<0.15	U	<0.15	U	<0.15	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK4	3/28/2023	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	<0.15	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2304WK1	4/4/2023	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	<0.14	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK1	5/2/2023	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	<0.15	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK3	5/16/2023	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	<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: 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	
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	ND	ND	ND	ND	ND	0.31	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-2302WK2	2/14/2023	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	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK3	2/21/2023	Primary	V	<0.086 U	<0.14 U	<1.5 U	<0.57 U	<7.6 U	<0.29 U	<0.29 U	0.31 J	<0.29 U	<0.14 U	<0.29 U	<0.29 U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK4	2/28/2023	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	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK1	3/7/2023	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	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK3	3/21/2023	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	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK4	3/28/2023	Primary	V	<0.089 U	<0.15 U	<1.6 U	<0.6 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	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2304WK1	4/4/2023	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	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK1	5/2/2023	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	-	R	<0.3 U	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK3	5/16/2023	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 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: 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-2302WK2	2/14/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK3	2/21/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK4	2/28/2023	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	<0.57	U	-	R
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK1	3/7/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK3	3/21/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK4	3/28/2023	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	<0.6	U	<3.2	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2304WK1	4/4/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK1	5/2/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK3	5/16/2023	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

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	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	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK4	1/25/2023	Field Duplicate	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	-- R	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-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	-- R	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK1	3/9/2023	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	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK1	3/9/2023	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	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK2	3/15/2023	Field Duplicate	V	<0.3 U	<0.15 U	<0.089 U	<0.089 U	-- R	-- R	-- R	-- R	-- R	-- R	-- R	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK2	3/15/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	-- R	-- R	-- R	-- R	-- R	-- R	-- R	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK4	3/30/2023	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-2303WK4	3/30/2023	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-2304WK1	4/6/2023	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	-- R	<0.28 U	<0.28 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2304WK1	4/6/2023	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	-- R	<0.29 U	<0.29 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2305WK2	5/11/2023	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 UJ	<0.29 U	<0.29 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2305WK2	5/11/2023	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 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: 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-2301WK4	1/25/2023	Field Duplicate	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	UJ	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK4	1/25/2023	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	UJ	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK1	3/9/2023	Field Duplicate	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	<1.1	U	<0.14	U	<0.29	U	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK1	3/9/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK2	3/15/2023	Field Duplicate	V	<0.15	U	-	R	-	R	<0.3	U	-	R	<0.15	U	-	R	<0.15	U	-	R	<0.15	U	<0.15	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK2	3/15/2023	Primary	V	<0.14	U	-	R	-	R	<0.29	U	-	R	<0.14	U	-	R	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK4	3/30/2023	Field Duplicate	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK4	3/30/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2304WK1	4/6/2023	Field Duplicate	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2304WK1	4/6/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2305WK2	5/11/2023	Field Duplicate	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2305WK2	5/11/2023	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

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	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	3.9	ND	ND	ND	ND	0.06	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-2301WK4	1/25/2023	Field Duplicate	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				
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK4	1/25/2023	Primary	V	<0.089	U	<0.15	U	<1.6	U	<0.6	U	<7.9	U	<0.3	U	<0.3	U	<0.15	U	<0.3	U				
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK1	3/9/2023	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				
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK1	3/9/2023	Primary	V	<0.087	U	<0.15	U	<1.5	U	<0.58	U	<7.7	U	<0.29	U	<0.29	U	0.06	J	<0.29	U	<0.15	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK2	3/15/2023	Field Duplicate	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	-	R		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK2	3/15/2023	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	-	R		
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK4	3/30/2023	Field Duplicate	V	<0.086	U	<0.14	U	3.9		<0.57	U	<7.6	U	<0.29	U	<0.29	U	<0.14	U	<0.29	U	<0.14	U	<0.29	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK4	3/30/2023	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-2304WK1	4/6/2023	Field Duplicate	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	U	<0.28	U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2304WK1	4/6/2023	Primary	V	<0.087	U	<0.14	U	0.97	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2305WK2	5/11/2023	Field Duplicate	V	<0.087	U	<0.14	U	1.4	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2305WK2	5/11/2023	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

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-2301WK4	1/25/2023	Field Duplicate	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	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-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 U	<0.99 U	<0.6 U	<3.2 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK1	3/9/2023	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-2303WK1	3/9/2023	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	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK2	3/15/2023	Field Duplicate	V	<0.15 U	<0.3 U	- R	<0.089 U	<0.3 U	<0.15 U	<0.089 U	- R	- R	- R	<3.2 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK2	3/15/2023	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	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK4	3/30/2023	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 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK4	3/30/2023	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	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2304WK1	4/6/2023	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	<0.95 U	<0.57 U	- R	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2304WK1	4/6/2023	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	- R	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2305WK2	5/11/2023	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	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2305WK2	5/11/2023	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	<0.97 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: 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	
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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK2	2/14/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK3	2/21/2023	Primary	V	<0.31 U	<0.15 U	<0.092 U	<0.092 U	- R	- R	- R	- R	- R	<0.31 U	<0.31 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK4	2/28/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK1	3/7/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK3	3/21/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK4	3/28/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2304WK1	4/4/2023	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	- R	<0.29 U	<0.29 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK1	5/2/2023	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 UJ	<0.3 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK3	5/16/2023	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 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: 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	Result	Result	Result	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK2	2/14/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15 U	- R	- R	<0.31 U	- R	<0.15 U	- R	<0.15 U	- R	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK4	2/28/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK1	3/7/2023	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	<5.9 U	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK3	3/21/2023	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 U	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK4	3/28/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2304WK1	4/4/2023	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-2305WK1	5/2/2023	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 UJ	<0.15 U	<0.15 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK3	5/16/2023	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	<5.9 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: 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	1.6	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK2	2/14/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK3	2/21/2023	Primary	V	<0.092 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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK4	2/28/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK1	3/7/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK3	3/21/2023	Primary	V	<0.09 U	<0.15 U	1.6 J	<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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK4	3/28/2023	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-2304WK1	4/4/2023	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-2305WK1	5/2/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK3	5/16/2023	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	<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: 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	Result	Result	Result	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK2	2/14/2023	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	<3.1 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK3	2/21/2023	Primary	V	<0.15 U	<0.31 U	- R	<0.092 U	<0.31 U	<0.15 U	<0.092 U	- R	- R	- R	<3.3 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK4	2/28/2023	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	<0.57 U	- R	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK1	3/7/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK3	3/21/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK4	3/28/2023	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-2304WK1	4/4/2023	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	<0.95 U	<0.57 U	<3.1 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK1	5/2/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK3	5/16/2023	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	<0.98 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: 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	
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	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK4	1/25/2023	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-2303WK1	3/9/2023	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-2303WK2	3/15/2023	Primary	V	<0.3 U	<0.15 U	<0.09 U	<0.09 U	- R	- R	- R	- R	- R	- R	- R	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK3	3/24/2023	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	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK4	3/30/2023	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	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2304WK1	4/6/2023	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: 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											
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											
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK4	1/25/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK1	3/9/2023	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-2303WK2	3/15/2023	Primary	V	<0.15	U	-	R	-	R	<0.3	U	-	R	<0.15	U	-	R	<0.15	U	-	R	<0.15	U	<0.15	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK3	3/24/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK4	3/30/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2304WK1	4/6/2023	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: 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	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK4	1/25/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK1	3/9/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK2	3/15/2023	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	- R
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK3	3/24/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK4	3/30/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2304WK1	4/6/2023	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

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	Result	Result	Result											
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK4	1/25/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK1	3/9/2023	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	<0.96	U	<0.57	U	<3.1	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.3	U	-	R	<0.09	U	<0.3	U	<0.15	U	<0.09	U	-	R	-	R	-	R	<3.2	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK3	3/24/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK4	3/30/2023	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
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2304WK1	4/6/2023	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: 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	
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-2301WK4	1/25/2023	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	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK1	3/9/2023	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	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK2	3/15/2023	Primary	V	<0.3 U	<0.15 U	<0.091 U	<0.091 U	- R	- R	- R	- R	- R	- R	- R	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK4	3/30/2023	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-2304WK1	4/6/2023	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 U	<0.29 U	<0.29 U	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2305WK2	5/11/2023	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: 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	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											
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK4	1/25/2023	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	<0.14	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK1	3/9/2023	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	<0.14	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK2	3/15/2023	Primary	V	<0.15	U	-	R	-	R	<0.3	U	-	R	<0.15	U	-	R	<0.15	U	-	R	<0.15	U	<0.15	U	<0.15	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK4	3/30/2023	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	<0.14	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2304WK1	4/6/2023	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	<0.14	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2305WK2	5/11/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	-	R	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	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	2.5	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	Result	Result	Result						
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK4	1/25/2023	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
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK1	3/9/2023	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
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK2	3/15/2023	Primary	V	<0.091	U	<0.15	U	1.6	J	<0.6	U	<8	U	<0.3	U	<0.3	U	<0.15	U	<0.15	R
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK4	3/30/2023	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
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2304WK1	4/6/2023	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
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2305WK2	5/11/2023	Primary	V	<0.086	U	<0.14	U	2.5	J	<0.57	U	<7.7	U	<0.29	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: 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	Result	Result	Result											
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK4	1/25/2023	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
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK1	3/9/2023	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
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.3	U	-	R	<0.091	U	<0.3	U	<0.15	U	<0.091	U	-	R	-	R	-	R	<3.2	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK4	3/30/2023	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	UJ	<0.57	U	<3.1	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2304WK1	4/6/2023	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	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2305WK2	5/11/2023	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	UJ	<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: 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	
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	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK3	2/20/2023	Primary	V	<0.31 U	<0.15 U	<0.092 U	<0.092 U	<0.31 U	<0.31 U	<0.51 U	<0.51 U	<1.2 UJ	<0.31 U	<0.31 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK4	2/27/2023	Primary	V	<0.29 UJ	<0.14 UJ	<0.086 UJ	<0.086 UJ	<0.29 UJ	<0.29 UJ	<0.48 UJ	<0.48 UJ	<1.2 UJ	<0.29 UJ	<0.29 UJ	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK1	3/6/2023	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	<1.2 U	<0.29 U	<0.29 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK2	3/13/2023	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	- R	<0.29 U	<0.29 U	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK3	3/20/2023	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	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2304WK1	4/3/2023	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	
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2305WK1	5/3/2023	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 UJ	<0.29 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: 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											
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											
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK4	2/27/2023	Primary	V	<0.14	UJ	<0.14	UJ	<0.14	UJ	<0.29	UJ	<1.2	UJ	<0.14	UJ	<0.29	UJ	<0.14	UJ	<5.8	UJ	<0.14	UJ	<0.14	UJ
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK1	3/6/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK2	3/13/2023	Primary	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK3	3/20/2023	Primary	V	<0.15	U	<0.15	U	<0.15	UJ	<0.29	U	<1.2	UJ	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2304WK1	4/3/2023	Primary	V	<0.14	U	<0.14	UJ	<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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2305WK1	5/3/2023	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	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: 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						
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						
							Maximum	ND	ND	1.6	0.27	ND	ND	ND	0.067	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-WGN01B-2302WK3	2/20/2023	Primary	V	<0.092	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK4	2/27/2023	Primary	V	<0.086	UJ	<0.14	UJ	<1.5	UJ	<0.58	UJ	<7.7	UJ	<0.29	UJ	<0.29	UJ	<0.14	UJ	<0.29	UJ
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK1	3/6/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK2	3/13/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK3	3/20/2023	Primary	V	<0.088	U	<0.15	U	1.6	J	<0.58	U	<7.8	U	<0.29	U	<0.29	U	0.067	J	<0.29	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2304WK1	4/3/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2305WK1	5/3/2023	Primary	V	<0.087	U	<0.14	U	1.4	J	0.27	J	<7.7	U	<0.29	U	<0.29	U	<0.14	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: 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	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-WGN01B-2302WK3	2/20/2023	Primary	V	<0.15	U	<0.31	U	<0.31	U	<0.092	U	<0.31	U	<0.15	U	<0.092	U	<0.15	U	<1	U	<0.62	U	<3.3	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK4	2/27/2023	Primary	V	<0.14	UJ	<0.29	UJ	<0.29	UJ	<0.086	UJ	<0.29	UJ	<0.14	UJ	<0.086	UJ	<0.14	UJ	<0.96	UJ	<0.58	UJ	<3.1	UJ
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK1	3/6/2023	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	<0.58	U	<3.1	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK2	3/13/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK3	3/20/2023	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	<3.1	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2304WK1	4/3/2023	Primary	V	<0.14	U	<0.29	U	<0.29	UJ	<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-2305WK1	5/3/2023	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

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	Result	Result	Result															
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK3	2/21/2023	Primary	V	<0.29	U	<0.14	U	<0.086	U	<0.086	U	-	R	-	R	-	R	-	R	-	R	-	R	-	R	<0.29	U	<0.29	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK4	2/28/2023	Primary	V	<0.29	UJ	<0.14	UJ	<0.086	UJ	<0.086	UJ	<0.29	UJ	<0.29	UJ	<0.48	UJ	<0.48	UJ	<1.1	UJ	<0.29	UJ	<0.29	UJ	<0.29	UJ		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK1	3/6/2023	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	<0.28	U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK2	3/13/2023	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	-	R	<0.28	U	<0.28	U	<0.28	U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK3	3/20/2023	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	UJ	<0.31	U	<0.31	U	<0.31	U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK1	4/3/2023	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	<0.29	U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK4	4/24/2023	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	<0.29	U		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2305WK1	5/1/2023	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	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: 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	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	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK3	2/21/2023	Primary	V	<0.14	U	-	R	-	R	<0.29	U	-	R	<0.14	U	-	R	<0.14	U	-	R	<0.14	U	<0.14	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK4	2/28/2023	Primary	V	<0.14	UJ	<0.14	UJ	<0.14	UJ	<0.29	UJ	<1.1	UJ	<0.14	UJ	<0.29	UJ	<0.14	UJ	<5.7	UJ	<0.14	UJ	<0.14	UJ
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK1	3/6/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK2	3/13/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK3	3/20/2023	Primary	V	<0.16	U	<0.16	U	<0.16	UJ	<0.31	U	<1.2	UJ	<0.16	U	<0.31	U	<0.16	U	<6.2	U	<0.16	U	<0.16	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK1	4/3/2023	Primary	V	<0.15	U	<0.15	UJ	<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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK4	4/24/2023	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-2305WK1	5/1/2023	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	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: 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									
Minimum							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Maximum							ND	ND	ND	0.59	ND	ND	ND	0.39	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									
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK3	2/21/2023	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		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK4	2/28/2023	Primary	V	<0.086	UJ	<0.14	UJ	<1.5	UJ	<0.57	UJ	<7.6	UJ	<0.29	UJ	<0.29	UJ	<0.14	UJ	<0.29	UJ		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK1	3/6/2023	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		
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK2	3/13/2023	Primary	V	<0.085	U	<0.14	U	<1.5	U	0.59	J	<7.6	U	<0.28	U	<0.28	U	0.39	J	<0.28	U	<0.28	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK3	3/20/2023	Primary	V	<0.093	U	<0.16	U	<1.7	U	<0.62	U	<8.3	U	<0.31	U	<0.31	U	0.069	J	<0.31	U	<0.31	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK1	4/3/2023	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	<0.29	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK4	4/24/2023	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	<0.29	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2305WK1	5/1/2023	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	<0.29	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							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	Hexachloroethane		Isophorone		m+p-Cresols		n-Nitroso-di-n-propylamine		n-Nitrosodimethylamine		n-Nitrosodiphenylamine		Nitrobenzene		o-Cresol		Pentachlorophenol		Phenol		Pyridine	
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK3	2/21/2023	Primary	V	<0.14	U	<0.29	U	-	R	<0.086	U	<0.29	U	<0.14	U	<0.086	U	-	R	-	R	-	R	<3.1	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK4	2/28/2023	Primary	V	<0.14	UJ	<0.29	UJ	<0.29	UJ	<0.086	UJ	<0.29	UJ	<0.14	UJ	<0.086	UJ	<0.14	UJ	<0.95	UJ	<0.57	UJ	<3	UJ
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK1	3/6/2023	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	<3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK2	3/13/2023	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	<0.95	U	<0.57	U	<3	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK3	3/20/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK1	4/3/2023	Primary	V	<0.15	U	<0.29	U	<0.29	UJ	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK4	4/24/2023	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	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2305WK1	5/1/2023	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	UJ	<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: 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	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK2	2/15/2023	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	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK1	3/8/2023	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	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK3	3/21/2023	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	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK4	3/27/2023	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	- R	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2304WK1	4/3/2023	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	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK1	5/1/2023	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 UJ	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK3	5/18/2023	Primary	V	<0.29 U	<0.14 U	<0.087 U	<0.087 U	<0.29 UJ	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 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: 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													
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													
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-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	<0.14	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK1	3/8/2023	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	<0.14	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK3	3/21/2023	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	U	<0.15	U	<0.15	U	<0.15	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK4	3/27/2023	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	<0.14	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2304WK1	4/3/2023	Primary	V	<0.15	U	<0.15	UJ	<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	<0.15	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK1	5/1/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK3	5/18/2023	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	UJ	<0.14	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: 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	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-2302WK2	2/15/2023	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-2303WK1	3/8/2023	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	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK3	3/21/2023	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	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK4	3/27/2023	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 U	<0.29 U	<0.29 U	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2304WK1	4/3/2023	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	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK1	5/1/2023	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	
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK3	5/18/2023	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: 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											
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2302WK2	2/15/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK1	3/8/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK3	3/21/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK4	3/27/2023	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
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2304WK1	4/3/2023	Primary	V	<0.15	U	<0.29	U	<0.29	UJ	<0.087	U	<0.29	U	<0.15	U	<0.087	U	<0.15	U	<0.97	U	<0.58	U	<3.1	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK1	5/1/2023	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	UJ	<0.58	U	-	R
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2305WK3	5/18/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.14	U	<0.087	UJ	<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: 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	
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-WGN01G-2302WK2	2/14/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK3	2/22/2023	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 UJ	<0.29 U	<0.29 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK1	3/7/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK2	3/14/2023	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	- R	<0.29 U	<0.29 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK3	3/22/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK4	3/28/2023	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	- R	<0.3 U	<0.3 U	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2304WK1	4/4/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2305WK1	5/2/2023	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 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: 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	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-WGN01G-2302WK2	2/14/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK3	2/22/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK1	3/7/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK2	3/14/2023	Primary	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK3	3/22/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK4	3/28/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2304WK1	4/4/2023	Primary	V	<0.15 U	<0.15 UJ	<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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2305WK1	5/2/2023	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	<5.8 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: 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						
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						
							Maximum	ND	ND	ND	ND	ND	ND	0.098	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-WGN01G-2302WK2	2/14/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK3	2/22/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK1	3/7/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK2	3/14/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK3	3/22/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK4	3/28/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2304WK1	4/4/2023	Primary	V	<0.09	U	<0.15	U	<1.6	U	<0.6	U	<8	U	<0.3	U	<0.3	U	0.098	J	<0.3	U
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2305WK1	5/2/2023	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

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	Result	Result	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK2	2/14/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK3	2/22/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK1	3/7/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK2	3/14/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK3	3/22/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK4	3/28/2023	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	- R	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2304WK1	4/4/2023	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	
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2305WK1	5/2/2023	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	- 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	
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-WGN01G-2302WK4	3/1/2023	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	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK1	3/8/2023	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	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK3	3/21/2023	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-2303WK4	3/31/2023	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	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2304WK1	4/3/2023	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	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK1	5/1/2023	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-2305WK3	5/17/2023	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	

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	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-WGN01G-2302WK4	3/1/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK1	3/8/2023	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	<0.14	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK3	3/21/2023	Primary	V	<0.14	U	<0.14	U	<0.14	UJ	<0.29	U	<1.1	UJ	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	<0.14	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK4	3/31/2023	Primary	V	<0.15	U	<0.15	UJ	<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	<0.15	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2304WK1	4/3/2023	Primary	V	<0.14	U	<0.14	UJ	<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	<0.14	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK1	5/1/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK3	5/17/2023	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	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: 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	0.065	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-WGN01G-2302WK4	3/1/2023	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		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK1	3/8/2023	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		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK3	3/21/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	0.065	J	<0.29	U	<0.29	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK4	3/31/2023	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		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2304WK1	4/3/2023	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		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK1	5/1/2023	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		
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK3	5/17/2023	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		

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											
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-WGN01G-2302WK4	3/1/2023	Primary	V	<0.14	U	<0.29	U	<0.29	U	<0.087	U	-	R	<0.14	U	<0.087	U	<0.14	U	<0.96	U	<0.58	U	-	R
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK1	3/8/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK3	3/21/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK4	3/31/2023	Primary	V	<0.15	U	<0.29	U	<0.29	UJ	<0.087	U	<0.29	U	<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-2304WK1	4/3/2023	Primary	V	<0.14	U	<0.29	U	<0.29	UJ	<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-2305WK1	5/1/2023	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	UJ	<0.58	U	-	R
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK3	5/17/2023	Primary	V	<0.15	U	<0.29	U	<0.29	U	<0.087	U	<0.29	U	<0.15	U	<0.087	UJ	<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: 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	Result	Result	Result	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-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	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK1	3/9/2023	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-2303WK3	3/23/2023	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-2303WK4	3/30/2023	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-2304WK1	4/6/2023	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	- R	<0.29 U	<0.29 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK1	5/4/2023	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	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK2	5/11/2023	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: 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	
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	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-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	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK1	3/9/2023	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	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK3	3/23/2023	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	<5.7 U	<0.14 U	<0.14 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK4	3/30/2023	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	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2304WK1	4/6/2023	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	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK1	5/4/2023	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	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK2	5/11/2023	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: 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-WGN01G-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	<0.29 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK1	3/9/2023	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-2303WK3	3/23/2023	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-2303WK4	3/30/2023	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	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2304WK1	4/6/2023	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-2305WK1	5/4/2023	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	<0.29 U	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK2	5/11/2023	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: 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	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-WGN01G-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	<0.96	U	<0.57	U	<3.1	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK1	3/9/2023	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-2303WK3	3/23/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK4	3/30/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2304WK1	4/6/2023	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	<0.95	U	<0.57	U	-	R
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK1	5/4/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK2	5/11/2023	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

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	
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	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK3	2/21/2023	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	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK4	2/28/2023	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	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK1	3/6/2023	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	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK2	3/13/2023	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	- R	<0.28 U	<0.28 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK3	3/20/2023	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 UJ	<0.29 U	<0.29 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2304WK1	4/3/2023	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 U	<0.3 U	<0.3 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2304WK4	4/24/2023	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	<1.1 U	<0.29 U	<0.29 U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2305WK1	5/1/2023	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 UJ	<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: 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	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									
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK3	2/21/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK4	2/28/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK1	3/6/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK2	3/13/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK3	3/20/2023	Primary	V	<0.14	U	<0.14	U	<0.14	UJ	<0.29	U	<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-WGN01LF-2304WK1	4/3/2023	Primary	V	<0.15	U	<0.15	UJ	<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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2304WK4	4/24/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2305WK1	5/1/2023	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	<5.9	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: 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	
							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			
							Minimum	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND			
							Maximum	ND		ND		ND		ND		ND		ND		0.07		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-WGN01LF-2302WK3	2/21/2023	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	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK4	2/28/2023	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	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK1	3/6/2023	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	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK2	3/13/2023	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	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK3	3/20/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	0.07	J	<0.29	U	<0.14	U	<0.29	U	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2304WK1	4/3/2023	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	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2304WK4	4/24/2023	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	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2305WK1	5/1/2023	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	

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	Result	Result											
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK3	2/21/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2302WK4	2/28/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK1	3/6/2023	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	<3	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK2	3/13/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2303WK3	3/20/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2304WK1	4/3/2023	Primary	V	<0.15	U	<0.3	U	<0.3	UJ	<0.089	U	<0.3	U	<0.15	U	<0.089	U	<0.15	U	<0.99	U	<0.59	U	<3.2	U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2304WK4	4/24/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01LF-2305WK1	5/1/2023	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	<0.98	UJ	<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: 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	
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-2303WK1	3/9/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK2	3/16/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK3	3/23/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK4	3/30/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2304WK1	4/6/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2305WK1	5/4/2023	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	

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	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-2303WK1	3/9/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK2	3/16/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK3	3/23/2023	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	<5.7 U	<0.14 U	<0.14 U	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK4	3/30/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2304WK1	4/6/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2305WK1	5/4/2023	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 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: 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	2.9	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-2303WK1	3/9/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK2	3/16/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK3	3/23/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK4	3/30/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2304WK1	4/6/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2305WK1	5/4/2023	Primary	V	<0.089	U	<0.15	U	2.9	J	<0.6	U	<8	U	<0.3	U	<0.3	U	<0.15	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: 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	Result	Result	Result	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK1	3/9/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK2	3/16/2023	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	- R	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK3	3/23/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK4	3/30/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2304WK1	4/6/2023	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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2305WK1	5/4/2023	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	<0.6 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: 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	
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	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK3	2/20/2023	Primary	V	<0.31 U	<0.15 U	<0.092 U	<0.092 U	<0.31 U	<0.31 U	<0.51 U	<0.51 U	<1.2 UJ	<0.31 U	<0.31 U	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK4	2/27/2023	Primary	V	<0.31 UJ	<0.15 UJ	<0.092 UJ	<0.092 UJ	<0.31 UJ	<0.31 UJ	<0.51 UJ	<0.51 UJ	<1.2 UJ	<0.31 UJ	<0.31 UJ	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK1	3/6/2023	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	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK2	3/13/2023	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	- R	<0.29 U	<0.29 U	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK3	3/20/2023	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	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2304WK1	4/3/2023	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-2305WK1	5/3/2023	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 UJ	<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									
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK4	2/27/2023	Primary	V	<0.15	UJ	<0.15	UJ	<0.15	UJ	<0.31	UJ	<1.2	UJ	<0.15	UJ	<0.31	UJ	<0.15	UJ	<6.1	UJ	<0.15	UJ	<0.15	UJ
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK1	3/6/2023	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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK2	3/13/2023	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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK3	3/20/2023	Primary	V	<0.15	U	<0.15	U	<0.15	UJ	<0.29	U	<1.2	UJ	<0.15	U	<0.29	U	<0.15	U	<5.9	U	<0.15	U	<0.15	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2304WK1	4/3/2023	Primary	V	<0.14	U	<0.14	UJ	<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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2305WK1	5/3/2023	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	<5.9	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						
							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	4.3	ND	ND	ND	ND	0.21	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						
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK3	2/20/2023	Primary	V	<0.092	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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK4	2/27/2023	Primary	V	<0.092	UJ	<0.15	UJ	<1.6	UJ	<0.61	UJ	<8.2	UJ	<0.31	UJ	<0.31	UJ	<0.15	UJ	<0.31	UJ
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK1	3/6/2023	Primary	V	<0.085	U	<0.14	U	4.3	J	<0.57	U	<7.6	U	<0.28	U	<0.28	U	<0.14	U	<0.28	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK2	3/13/2023	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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK3	3/20/2023	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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2304WK1	4/3/2023	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
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2305WK1	5/3/2023	Primary	V	<0.089	U	<0.15	U	2	J	<0.59	U	<7.9	U	<0.3	U	<0.3	U	<0.15	U	<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	Result	Result	Result	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK3	2/20/2023	Primary	V	<0.15 U	<0.31 U	<0.31 U	<0.092 U	<0.31 U	<0.15 U	<0.092 U	<0.15 U	<1 U	<0.62 U	<3.3 U	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK4	2/27/2023	Primary	V	<0.15 UJ	<0.31 UJ	<0.31 UJ	<0.092 UJ	<0.31 UJ	<0.15 UJ	<0.092 UJ	<0.15 UJ	<1 UJ	<0.61 UJ	<3.3 UJ	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK1	3/6/2023	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	<3 U	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK2	3/13/2023	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	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK3	3/20/2023	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-2304WK1	4/3/2023	Primary	V	<0.14 U	<0.29 U	<0.29 UJ	<0.087 U	<0.29 U	<0.14 U	<0.087 U	<0.14 U	<0.97 U	<0.58 U	<3.1 U	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2305WK1	5/3/2023	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	

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	
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-2301WK1	1/5/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2301WK1	1/5/2023	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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK1	3/8/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK1	3/8/2023	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-2303WK3	3/22/2023	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 U	<0.28 U	<0.28 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK3	3/22/2023	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 U	<0.28 U	<0.28 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK4	3/29/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK4	3/29/2023	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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2304WK1	4/5/2023	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	- R	<0.29 U	<0.29 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2304WK1	4/5/2023	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	- R	<0.29 U	<0.29 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2305WK1	5/4/2023	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 UJ	<0.3 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2305WK1	5/4/2023	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 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: 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	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-2301WK1	1/5/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2301WK1	1/5/2023	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	<5.9 U	<0.15 U	<0.15 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK1	3/8/2023	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-WGN01F-2303WK1	3/8/2023	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	<5.6 U	<0.14 U	<0.14 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK3	3/22/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK3	3/22/2023	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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK4	3/29/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK4	3/29/2023	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-2304WK1	4/5/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2304WK1	4/5/2023	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	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2305WK1	5/4/2023	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 UJ	<0.15 U	<0.15 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2305WK1	5/4/2023	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 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: 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	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	0.34	ND	ND	ND	0.068	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-2301WK1	1/5/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2301WK1	1/5/2023	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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK1	3/8/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK1	3/8/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	<0.56 U	<7.5 U	<0.28 U	<0.28 U	0.068 J	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK3	3/22/2023	Primary	V	<0.085 U	<0.14 U	<1.5 U	0.34 J	<7.6 U	<0.28 U	<0.28 U	<0.14 U	<0.28 U	<0.14 U	<0.28 U	<0.28 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK3	3/22/2023	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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK4	3/29/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2303WK4	3/29/2023	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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2304WK1	4/5/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2304WK1	4/5/2023	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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2305WK1	5/4/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2305WK1	5/4/2023	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	<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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK1	1/5/2023	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	-	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK1	1/5/2023	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	-	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK1	3/8/2023	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	<3.1 U	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2303WK1	3/8/2023	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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK3	3/22/2023	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-2303WK3	3/22/2023	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	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK4	3/29/2023	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	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2303WK4	3/29/2023	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-2304WK1	4/5/2023	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	-	
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2304WK1	4/5/2023	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	-	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2305WK1	5/4/2023	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	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2305WK1	5/4/2023	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	

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	Result	Result	Result											
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK1	3/9/2023	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-2303WK3	3/23/2023	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
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK4	3/30/2023	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
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2304WK1	4/6/2023	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	-	R	<0.29	U	<0.29	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2305WK1	5/4/2023	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	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: 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	Result	Result	Result											
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK1	3/9/2023	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
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK3	3/23/2023	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
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK4	3/30/2023	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	<5.9	U	<0.15	U	<0.15	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2304WK1	4/6/2023	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	<5.9	U	<0.15	U	<0.15	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2305WK1	5/4/2023	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	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: 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	
							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		
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK1	3/9/2023	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	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK3	3/23/2023	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	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK4	3/30/2023	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	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2304WK1	4/6/2023	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	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2305WK1	5/4/2023	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	

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	Result	Result											
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK1	3/9/2023	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-2303WK3	3/23/2023	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
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK4	3/30/2023	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-2304WK1	4/6/2023	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	<0.98	U	<0.59	U	-	R
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2305WK1	5/4/2023	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	<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	
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-WGFD01F-2302WK2	2/15/2023	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 UJ	<0.29 U	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2302WK2	2/15/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2302WK3	2/22/2023	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 UJ	<0.29 U	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2302WK3	2/22/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2302WK4	3/1/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2302WK4	3/1/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2303WK2	3/15/2023	Field Duplicate	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	-- R	-- R	-- R	-- R	-- R	-- R	-- R	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2303WK2	3/15/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	-- R	-- R	-- R	-- R	-- R	-- R	-- R	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2303WK3	3/22/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2303WK3	3/22/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2303WK4	3/29/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2303WK4	3/29/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2304WK1	4/5/2023	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	-- R	<0.29 U	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2304WK1	4/5/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2304WK1	5/2/2023	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 UJ	<0.29 UJ	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2305WK1	5/2/2023	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 UJ	<0.29 UJ	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2305WK3	5/17/2023	Field Duplicate	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 UJ	<0.29 U	<0.48 U	<0.48 U	<1.2 UJ	<0.29 UJ	<0.29 U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2305WK3	5/17/2023	Primary	V	<0.29 U	<0.14 U	<0.086 U	<0.086 U	<0.29 UJ	<0.29 U	<0.48 U	<0.48 U	<1.1 UJ	<0.29 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: 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		534-62-1		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		0.36		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-WGFD01F-2302WK2	2/15/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2302WK2	2/15/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2302WK3	2/22/2023	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-WGN01F-2302WK3	2/22/2023	Primary	V	<0.14	U	<0.14	U	<0.14	U	<0.29	U	-	R	<0.14	U	<0.29	U	<0.14	U	<5.7	U	<0.14	U	<0.14	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2302WK4	3/1/2023	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-WGN01F-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	<5.9	U	<0.15	U	<0.15	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2303WK2	3/15/2023	Field Duplicate	V	<0.14	U	-	R	-	R	<0.29	U	-	R	<0.14	U	-	R	<0.14	U	-	R	<0.14	U	<0.14	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2303WK2	3/15/2023	Primary	V	<0.14	U	-	R	-	R	<0.29	U	-	R	<0.14	U	-	R	<0.14	U	-	R	<0.14	U	<0.14	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2303WK3	3/22/2023	Field Duplicate	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2303WK3	3/22/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2303WK4	3/29/2023	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	-	R	<0.14	U	<0.14	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2303WK4	3/29/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2304WK1	4/5/2023	Field Duplicate	V	<0.15	U	<0.15	U	0.36	J	<0.29	U	<1.2	UJ	<0.15	U	<0.29	U	<0.15	U	<5.8	U	<0.15	U	<0.15	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2304WK1	4/5/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2305WK1	5/2/2023	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-WGN01F-2305WK1	5/2/2023	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	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2305WK3	5/17/2023	Field Duplicate	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	UJ	<0.14	U	<0.14	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2305WK3	5/17/2023	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	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: 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								
							Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND								
							Maximum	ND	ND	ND	ND	ND	ND	ND	0.11	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-WGFD01LF-2302WK2	2/15/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK2	2/15/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK3	2/22/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK3	2/22/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK4	3/1/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK4	3/1/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK2	3/15/2023	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	-	R		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK2	3/15/2023	Primary	V	<0.086	U	<0.14	U	<1.5	U	<0.57	U	<7.6	U	<0.29	U	<0.29	U	0.11	J	<0.29	U	-	R
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK3	3/22/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK3	3/22/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK4	3/29/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK4	3/29/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2304WK1	4/5/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2304WK1	4/5/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK1	5/2/2023	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	-	R		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK1	5/2/2023	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	-	R		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK3	5/17/2023	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		
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK3	5/17/2023	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		

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	Result	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK2	2/15/2023	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	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK2	2/15/2023	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	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK3	2/22/2023	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	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK3	2/22/2023	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	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2302WK4	3/1/2023	Field Duplicate	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	<0.57 U	- R	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2302WK4	3/1/2023	Primary	V	<0.15 U	<0.3 U	<0.3 U	<0.089 U	- R	<0.15 U	<0.089 U	<0.15 U	<0.99 U	<0.59 U	- R	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK2	3/15/2023	Field Duplicate	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	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK2	3/15/2023	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	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK3	3/22/2023	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	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK3	3/22/2023	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	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK4	3/29/2023	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	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2303WK4	3/29/2023	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	<3.1 U	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2304WK1	4/5/2023	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	- R	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2304WK1	4/5/2023	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	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK1	5/2/2023	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	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK1	5/2/2023	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	<0.96 U	<0.57 U	<3.1 U	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2305WK3	5/17/2023	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	<0.58 U	<3.1 U	U	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01LF-2305WK3	5/17/2023	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	<3.1 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: 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											
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											
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-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	UJ	<0.29	U	<0.29	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2302WK3	2/22/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2303WK2	3/15/2023	Primary	V	<0.31	U	<0.15	U	<0.092	U	<0.092	U	-	R	-	R	-	R	-	R	-	R	-	R	-	R
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2303WK3	3/22/2023	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	U	<0.28	U	<0.28	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2303WK4	3/29/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2304WK1	4/5/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2305WK1	5/2/2023	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	UJ	<0.3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2305WK3	5/17/2023	Primary	V	<0.28	U	<0.14	U	<0.085	U	<0.085	U	<0.28	UJ	<0.28	U	<0.47	U	<0.47	U	<1.1	UJ	<0.28	UJ	<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											
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-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	<0.14	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2302WK3	2/22/2023	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	<0.14	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-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	<0.14	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2303WK2	3/15/2023	Primary	V	<0.15	U	-	R	-	R	<0.31	U	-	R	<0.15	U	-	R	<0.15	U	-	R	<0.15	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2303WK3	3/22/2023	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	<0.14	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2303WK4	3/29/2023	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	<0.14	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2304WK1	4/5/2023	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	<0.14	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2305WK1	5/2/2023	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	U	<0.15	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2305WK3	5/17/2023	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	UJ	<0.14	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: 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	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						
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2302WK2	2/15/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2302WK3	2/22/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2303WK2	3/15/2023	Primary	V	<0.092	U	<0.15	U	<1.6	U	<0.61	U	<8.1	U	<0.31	U	<0.31	U	<0.15	U	<0.15	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2303WK3	3/22/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2303WK4	3/29/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2304WK1	4/5/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2305WK1	5/2/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01F-2305WK3	5/17/2023	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

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											
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2302WK3	2/22/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK2	3/15/2023	Primary	V	<0.15	U	<0.31	U	-	R	<0.092	U	<0.31	U	<0.15	U	<0.092	U	-	R	-	R	-	R	<3.3	U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK3	3/22/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK4	3/29/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2304WK1	4/5/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK1	5/2/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK3	5/17/2023	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

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	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	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	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK1	3/7/2023	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-2303WK2	3/14/2023	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	-	R	<0.29	U	<0.29	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK4	3/28/2023	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	-	R	<0.29	U	<0.29	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2304WK1	4/4/2023	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-2305WK1	5/1/2023	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: 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	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											
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK1	3/7/2023	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	<0.14	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK2	3/14/2023	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	<0.14	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK4	3/28/2023	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	<0.14	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2304WK1	4/4/2023	Primary	V	<0.14	U	<0.14	UJ	<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
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2305WK1	5/1/2023	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	<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	
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-2303WK1	3/7/2023	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	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK2	3/14/2023	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	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK4	3/28/2023	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	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2304WK1	4/4/2023	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	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2305WK1	5/1/2023	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	

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	Result	Result	Result											
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK1	3/7/2023	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
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK2	3/14/2023	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
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK4	3/28/2023	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
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2304WK1	4/4/2023	Primary	V	<0.14	U	<0.28	U	<0.28	UJ	<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-2305WK1	5/1/2023	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	UJ	<0.58	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: 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	
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-WGFD01LF-2303WK1	3/7/2023	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-2303WK1	3/7/2023	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-2303WK2	3/14/2023	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	- R	<0.29 U	<0.29 U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK2	3/14/2023	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	- R	<0.28 U	<0.28 U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK4	3/28/2023	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	- R	<0.29 U	<0.29 U	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK4	3/28/2023	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	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2304WK1	4/4/2023	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-2304WK1	4/4/2023	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-2305WK1	5/1/2023	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-2305WK1	5/1/2023	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 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: 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	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											
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK1	3/7/2023	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	<0.14	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK1	3/7/2023	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	<0.14	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK2	3/14/2023	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	-	R	<0.14	U	<0.14	U	<0.14	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK2	3/14/2023	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	<0.14	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK4	3/28/2023	Field Duplicate	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	<0.14	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK4	3/28/2023	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	<0.14	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2304WK1	4/4/2023	Field Duplicate	V	<0.14	U	<0.14	UJ	<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	<0.14	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2304WK1	4/4/2023	Primary	V	<0.14	U	<0.14	UJ	<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
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2305WK1	5/1/2023	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	<0.14	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2305WK1	5/1/2023	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	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: 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-WGFD01LF-2303WK1	3/7/2023	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	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK1	3/7/2023	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	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK2	3/14/2023	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	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK2	3/14/2023	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	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK4	3/28/2023	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	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK4	3/28/2023	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	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2304WK1	4/4/2023	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	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2304WK1	4/4/2023	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	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2305WK1	5/1/2023	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	
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2305WK1	5/1/2023	Primary	V	<0.089	U	<0.15	U	<1.6	U	<0.6	U	<7.9	U	<0.3	U	<0.3	U	<0.15	U	<0.3	U	<0.15	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: 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											
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-WGFD01LF-2303WK1	3/7/2023	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	<3	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK1	3/7/2023	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
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK2	3/14/2023	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	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK2	3/14/2023	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
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK4	3/28/2023	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	<0.58	U	-	R
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK4	3/28/2023	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
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2304WK1	4/4/2023	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
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2304WK1	4/4/2023	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
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2305WK1	5/1/2023	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	-	R
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2305WK1	5/1/2023	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	<0.6	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: 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	
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	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK1	1/5/2023	Primary	V	<0.6 U	<0.3 U	<0.18 U	<0.18 U	<0.6 U	<0.6 U	<1 U	<1 U	<2.4 UJ	<0.6 U	<0.6 U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK1	3/8/2023	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	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK3	3/22/2023	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-2303WK4	3/29/2023	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	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2304WK1	4/5/2023	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	- R	<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: 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	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	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK1	1/5/2023	Primary	V	<0.3	U	<0.3	U	<0.3	U	<0.6	U	<2.4	UJ	<0.3	U	<0.6	U	<0.3	U	<12	U	<0.3	U	<0.3	U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK1	3/8/2023	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
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK3	3/22/2023	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
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK4	3/29/2023	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
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2304WK1	4/5/2023	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

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	SW8270C	SW8270C	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	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
							Maximum	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	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		Result		Result		Result				
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK1	1/5/2023	Primary	V	<0.18	U	<0.3	U	<3.2	U	<1.2	U	<16	U	<0.6	U	<0.6	U	<0.3	U	<0.6	U	<0.3	U	<0.6	U	<0.6	U			
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK1	3/8/2023	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	<0.14	U	<0.28	U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK3	3/22/2023	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	<0.14	U	<0.29	U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK4	3/29/2023	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	<0.14	U	<0.29	U	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2304WK1	4/5/2023	Primary	V	<0.087	U	<0.15	U	1.4	J	<0.58	U	<7.8	U	<0.29	U	<0.29	U	<0.15	U	<0.29	U	<0.15	U	<0.29	U	<0.15	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: 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	Result	Result	Result	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2301WK1	1/5/2023	Primary	V	<0.3 U	<0.6 U	<0.6 U	<0.18 U	<0.6 U	<0.3 U	<0.18 U	<0.3 U	<2 U	<1.2 U	- R	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK1	3/8/2023	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	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK3	3/22/2023	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-2303WK4	3/29/2023	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	
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2304WK1	4/5/2023	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	- 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							0.14	0.1	0.13	0.033	ND	ND	0.023	0.025								
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result							
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK2	2/14/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	0.021	J	<0.031	U	<0.076	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK3	2/21/2023	Primary	V	<0.031	U	<0.077	U	0.093	J	0.023	J	<0.031	U	<0.077	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK4	2/28/2023	Primary	V	<0.031	U	<0.077	U	0.1	J	0.028	J	<0.031	U	<0.077	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK1	3/7/2023	Primary	V	<0.031	U	<0.078	U	0.11	J	0.025	J	<0.031	U	<0.078	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK3	3/21/2023	Primary	V	<0.032	UJ	<0.08	UJ	0.045	J	<0.032	UJ	<0.032	UJ	<0.08	UJ	<0.032	UJ	<0.032	UJ
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK4	3/28/2023	Primary	V	0.14	J	0.1	J	0.13	J	0.033	J	<0.032	U	<0.079	U	<0.032	U	<0.032	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2304WK1	4/4/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U	<0.077	U	<0.031	U	<0.031	U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2305WK1	5/2/2023	Primary	V	<0.032	U	<0.079	U	<0.079	U	0.029	J	<0.032	U	<0.079	U	0.023	J	0.025	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							0.024	0.026	0.017	0.018	ND	0.028	0.029	0.026	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK2	2/14/2023	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	<0.076 U	<0.076 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK3	2/21/2023	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
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2302WK4	2/28/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.017 J	<0.031 U	<0.077 U	<0.077 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK1	3/7/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.018 J	0.016 J	<0.031 U	<0.078 U	<0.078 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK3	3/21/2023	Primary	V	<0.032 UJ	<0.032 UJ	<0.032 UJ	<0.032 UJ	<0.032 UJ	<0.032 UJ	<0.032 UJ	<0.032 UJ	<0.08 UJ	<0.08 UJ
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2303WK4	3/28/2023	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	0.018 J	<0.032 U	<0.079 U	<0.079 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2304WK1	4/4/2023	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	<0.077 U	<0.077 U
RHMW01R	Bailer	Eurofins Seattle	RHMW01R-WGN01B-2305WK1	5/2/2023	Primary	V	0.024 J	0.026 J	0.017 J	0.018 J	<0.032 U	0.028 J	0.029 J	0.026 J	<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: 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 Before 11/5/2022							0.42	0.22	0.9	0.16	ND	ND	ND	ND					
Maximum Before 11/5/2022							16	12	28	0.66	0.16	ND	ND	0.011					
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-2302WK2	2/14/2023	Primary	V	1.8	0.76	3.1	0.26	<0.031	U	<0.076	U	<0.031	U	<0.031	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK3	2/21/2023	Primary	V	1.8	0.61	2.6	0.66	0.16	U	<0.082	U	<0.033	U	<0.033	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK4	2/28/2023	Primary	V	2.3	0.67	4.4	0.33	J	<0.3	U	<0.076	U	<0.03	U	<0.03	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK1	3/7/2023	Primary	V	0.42	0.22	0.9	0.16	J	<0.31	U	<0.077	U	<0.031	U	<0.031	U
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK3	3/21/2023	Primary	V	4.1	2.8	7.2	0.22	0.047	J	<0.076	U	<0.03	U	<0.03	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK4	3/28/2023	Primary	V	3.6	2	5.1	0.23	<0.03	U	<0.076	U	<0.03	U	0.011	J	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2304WK1	4/4/2023	Primary	V	6	3.2	9.7	0.31	<0.031	U	<0.078	U	<0.031	U	<0.031	U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2305WK1	5/2/2023	Primary	V	16	12	28	0.38	<0.032	U	<0.079	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: 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
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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							0.011	ND	ND	0.047	ND	0.018	0.32	ND	0.054	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-2302WK2	2/14/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.16	<0.031 U	0.054 J	<0.076 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK3	2/21/2023	Primary	V	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	0.32	<0.033 U	<0.082 U	<0.082 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2302WK4	2/28/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.17 J	<0.03 U	<0.076 U	<0.076 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK1	3/7/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.31 U	<0.31 U	<0.077 U	<0.077 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK3	3/21/2023	Primary	V	0.01 J	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.1	<0.03 U	<0.076 U	<0.076 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2303WK4	3/28/2023	Primary	V	0.011 J	<0.03 U	<0.03 U	0.047 J	<0.03 U	0.018 J	<0.03 U	0.036 J	<0.076 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2304WK1	4/4/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.17	<0.031 U	<0.078 U	<0.078 U	
RHMW02	Bailer	Eurofins Seattle	RHMW02-WGN01B-2305WK1	5/2/2023	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.079 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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							ND	ND	ND	ND	ND	ND	0.015	0.012		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK2	2/14/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK3	2/21/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK4	2/28/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK1	3/7/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK3	3/21/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK4	3/28/2023	Primary	V	<0.032	U	<0.079	U	<0.079	U	<0.032	U	0.015	J
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2304WK1	4/4/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK1	5/2/2023	Primary	V	<0.032	U	<0.08	U	<0.08	U	<0.032	U	<0.032	U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK3	5/16/2023	Primary	V	<0.032	U	<0.081	U	<0.081	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							0.015	ND	ND	0.017	ND	0.029	ND	ND	ND	ND
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result	Result	Result	Result	Result	Result	Result	Result	Result	
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK2	2/14/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK3	2/21/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.019 J	<0.03 U	<0.03 U	<0.076 U	<0.076 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2302WK4	2/28/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK1	3/7/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK3	3/21/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2303WK4	3/28/2023	Primary	V	0.015 J	<0.032 U	<0.032 U	0.017 J	<0.032 U	0.029 J	<0.032 U	<0.032 U	<0.079 U	<0.079 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2304WK1	4/4/2023	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	<0.077 U	<0.077 U
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK1	5/2/2023	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
RHMW03	Bailer	Eurofins Seattle	RHMW03-WGN01B-2305WK3	5/16/2023	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

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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK4	1/25/2023	Field Duplicate	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK4	1/25/2023	Primary	V	<0.16 U	<0.4 U	<0.4 U	<0.16 U	<0.16 U	<0.4 U	<0.16 U	<0.16 U
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK1	3/9/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK1	3/9/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK2	3/15/2023	Field Duplicate	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK2	3/15/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK4	3/30/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK4	3/30/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2304WK1	4/6/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2304WK1	4/6/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2305WK2	5/11/2023	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
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2305WK2	5/11/2023	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

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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2301WK4	1/25/2023	Field Duplicate	V	<0.032 U	<0.032 UJ	<0.032 U	<0.032 U	<0.032 UJ	<0.032 U	<0.032 UJ	<0.079 U	<0.079 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2301WK4	1/25/2023	Primary	V	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.4 U	<0.4 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK1	3/9/2023	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK1	3/9/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK2	3/15/2023	Field Duplicate	V	<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	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK2	3/15/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2303WK4	3/30/2023	Field Duplicate	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2303WK4	3/30/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2304WK1	4/6/2023	Field Duplicate	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.076 U	<0.076 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2304WK1	4/6/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGFD01B-2305WK2	5/11/2023	Field Duplicate	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 U	<0.077 U	
RHMW04	Bailer	Eurofins Seattle	RHMW04-WGN01B-2305WK2	5/11/2023	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	

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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							ND	ND	ND	ND	ND	ND	0.02	0.018
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-2302WK2	2/14/2023	Primary	V	<0.031 U	<0.078 U	<0.078 U	<0.031 U	<0.031 U	<0.078 U	0.015 J	<0.031 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK3	2/21/2023	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
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK4	2/28/2023	Primary	V	<0.03 U	<0.076 U	<0.076 U	<0.03 U	<0.03 U	<0.076 U	0.014 J	<0.03 U
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK1	3/7/2023	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
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK3	3/21/2023	Primary	V	<0.032 U	<0.08 U	<0.08 U	<0.032 U	<0.032 U	<0.08 U	0.02 J	0.018 J
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK4	3/28/2023	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
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2304WK1	4/4/2023	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
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK1	5/2/2023	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
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK3	5/16/2023	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: 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
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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							0.022	0.013	ND	0.026	ND	0.045	ND	0.017	0.033	0.044
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-2302WK2	2/14/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK3	2/21/2023	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	<0.082 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2302WK4	2/28/2023	Primary	V	0.018 J	<0.03 U	<0.03 U	0.019 J	<0.03 U	0.03 J	<0.03 U	<0.03 U	<0.076 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK1	3/7/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	0.018 J	<0.031 U	UJ	<0.078 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK3	3/21/2023	Primary	V	0.022 J	0.013 J	<0.032 U	0.026 J	<0.032 U	0.045 J	<0.032 U	0.017 J	0.033 J	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2303WK4	3/28/2023	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	<0.077 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2304WK1	4/4/2023	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	<0.076 U	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK1	5/2/2023	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	
RHMW05	Bailer	Eurofins Seattle	RHMW05-WGN01B-2305WK3	5/16/2023	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	<0.079 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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							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-2301WK4	1/25/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK1	3/9/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK2	3/15/2023	Primary	V	<0.032	U	<0.08	U	<0.08	U	<0.032	U	<0.032	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK3	3/24/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK4	3/30/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2304WK1	4/6/2023	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: RHMW06

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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2301WK4	1/25/2023	Primary	V	<0.031 U	<0.031 UJ	<0.031 U	<0.031 U	<0.031 UJ	<0.031 U	<0.031 UJ	<0.076 U	<0.076 U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK1	3/9/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.076 U	<0.076 U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK2	3/15/2023	Primary	V	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.08 U	<0.08 U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK3	3/24/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 UJ	<0.077 U	<0.077 U	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2303WK4	3/30/2023	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	
RHMW06	Bailer	Eurofins Seattle	RHMW06-WGN01B-2304WK1	4/6/2023	Primary	V	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.031 U	<0.077 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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.39	U	<0.39	U	<0.15	U	<0.15	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK1	3/9/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK2	3/15/2023	Primary	V	<0.032	U	<0.08	U	<0.08	U	<0.032	U	<0.032	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK4	3/30/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2304WK1	4/6/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2305WK2	5/11/2023	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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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-2301WK4	1/25/2023	Primary	V	<0.15	U	<0.15	U	<0.15	U	<0.15	U	<0.15	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK1	3/9/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK2	3/15/2023	Primary	V	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2303WK4	3/30/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2304WK1	4/6/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U
RHMW08	Bailer	Eurofins Seattle	RHMW08-WGN01B-2305WK2	5/11/2023	Primary	V	<0.031	U	<0.031	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							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-WGN01B-2302WK3	2/20/2023	Primary	V	<0.033	U	<0.082	U	<0.082	U	<0.033	U	<0.033	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2302WK4	2/27/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK1	3/6/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK2	3/13/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK3	3/20/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2304WK1	4/3/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2305WK1	5/3/2023	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: 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
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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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-WGN01B-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	<0.082 U	<0.082 U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-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	<0.077 U	<0.077 U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK1	3/6/2023	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	<0.077 U	<0.077 U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK2	3/13/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2303WK3	3/20/2023	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	<0.078 U	<0.078 U
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2304WK1	4/3/2023	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
RHMW09	Bailer	Eurofins Seattle	RHMW09-WGN01B-2305WK1	5/3/2023	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	<0.077 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							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-WGN01LF-2302WK3	2/21/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK4	2/28/2023	Primary	V	<0.03	UJ	<0.076	UJ	<0.076	UJ	<0.03	UJ	<0.03	UJ
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK1	3/6/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK2	3/13/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK3	3/20/2023	Primary	V	<0.033	U	<0.083	U	<0.083	U	<0.033	U	<0.033	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK1	4/3/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK4	4/24/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2305WK1	5/1/2023	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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-WGN01LF-2302WK3	2/21/2023	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	<0.076 U	<0.076 U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2302WK4	2/28/2023	Primary	V	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.076 UJ	<0.076 UJ
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK1	3/6/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK2	3/13/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 UJ	<0.03 UJ	<0.076 U	<0.076 U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2303WK3	3/20/2023	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	<0.083 U	<0.083 U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK1	4/3/2023	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
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2304WK4	4/24/2023	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	<0.077 U	<0.077 U
RHMW12A	Low-Flow	Eurofins Seattle	RHMW12A-WGN01LF-2305WK1	5/1/2023	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

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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							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-2302WK2	2/15/2023	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-2303WK1	3/8/2023	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-2303WK3	3/21/2023	Primary	V	<0.032	U	<0.08	U	<0.08	U	<0.032	U	<0.032	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK4	3/27/2023	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-2304WK1	4/3/2023	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-2305WK1	5/1/2023	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-2305WK3	5/18/2023	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	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 Before 11/5/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
							Maximum Before 11/5/2022	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-2302WK2	2/15/2023	Primary	V	<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-2303WK1	3/8/2023	Primary	V	<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-2303WK3	3/21/2023	Primary	V	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.08	U	<0.08	U
RHMW11-05	Westbay	Eurofins Seattle	RHMW11-05-WGN01G-2303WK4	3/27/2023	Primary	V	<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-2304WK1	4/3/2023	Primary	V	<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-2305WK1	5/1/2023	Primary	V	<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-2305WK3	5/18/2023	Primary	V	<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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK2	2/14/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK3	2/22/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK1	3/7/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK2	3/14/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK3	3/22/2023	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-2303WK4	3/28/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2304WK1	4/4/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2305WK1	5/2/2023	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

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
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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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-WGN01G-2302WK2	2/14/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2302WK3	2/22/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK1	3/7/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK2	3/14/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK3	3/22/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2303WK4	3/28/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2304WK1	4/4/2023	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
RHMW13-05	Westbay	Eurofins Seattle	RHMW13-05-WGN01G-2305WK1	5/2/2023	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK4	3/1/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK1	3/8/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK3	3/21/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK4	3/31/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2304WK1	4/3/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK1	5/1/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK3	5/17/2023	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: 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
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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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	
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2302WK4	3/1/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK1	3/8/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK3	3/21/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2303WK4	3/31/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2304WK1	4/3/2023	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	<0.076 U	<0.076 U
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK1	5/1/2023	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
RHMW14-03	Westbay	Eurofins Seattle	RHMW14-03-WGN01G-2305WK3	5/17/2023	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2302WK4	3/2/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK1	3/9/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK3	3/23/2023	Primary	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK4	3/30/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2304WK1	4/6/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK1	5/4/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK2	5/11/2023	Primary	V	<0.031	U	<0.076	U	<0.076	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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-WGN01G-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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK1	3/9/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK3	3/23/2023	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	<0.076 U	<0.076 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2303WK4	3/30/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2304WK1	4/6/2023	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
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK1	5/4/2023	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	<0.078 U	<0.078 U
RHMW15-05	Westbay	Eurofins Seattle	RHMW15-05-WGN01G-2305WK2	5/11/2023	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	<0.076 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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2302WK3	2/21/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2302WK4	2/28/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK1	3/6/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK2	3/13/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK3	3/20/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2304WK1	4/3/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2304WK4	4/24/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2305WK1	5/1/2023	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

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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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-WGN01F-2302WK3	2/21/2023	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	
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-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	<0.076 U	<0.076 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK1	3/6/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK2	3/13/2023	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	<0.076 U	<0.076 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2303WK3	3/20/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2304WK1	4/3/2023	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
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2304WK4	4/24/2023	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	<0.077 U	<0.077 U
RHMW16	Low-Flow	Eurofins Seattle	RHMW16-WGN01F-2305WK1	5/1/2023	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	<0.079 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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK1	3/9/2023	Primary	V	<0.032	U	<0.08	U	<0.08	U	<0.032	U	<0.032	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK2	3/16/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK3	3/23/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK4	3/30/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2304WK1	4/6/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2305WK1	5/4/2023	Primary	V	<0.032	U	<0.08	U	<0.08	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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	
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK1	3/9/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK2	3/16/2023	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	<0.078 U	<0.078 U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK3	3/23/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2303WK4	3/30/2023	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
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2304WK1	4/6/2023	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	<0.078 U	<0.078 U
RHMW17	Bailer	Eurofins Seattle	RHMW17-WGN01B-2305WK1	5/4/2023	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

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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK3	2/20/2023	Primary	V	<0.033	U	<0.082	U	<0.082	U	<0.033	U	<0.033	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK4	2/27/2023	Primary	V	<0.033	UJ	<0.082	UJ	<0.082	UJ	<0.033	UJ	<0.033	UJ
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK1	3/6/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK2	3/13/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK3	3/20/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2304WK1	4/3/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2305WK1	5/3/2023	Primary	V	<0.032	U	<0.079	U	<0.079	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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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-WGN01B-2302WK3	2/20/2023	Primary	V	<0.033	U	<0.033	U	<0.033	U	<0.033	U	<0.082	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2302WK4	2/27/2023	Primary	V	<0.033	UJ	<0.033	UJ	<0.033	UJ	<0.033	UJ	<0.082	UJ
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK1	3/6/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK2	3/13/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2303WK3	3/20/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2304WK1	4/3/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U
RHMW19	Bailer	Eurofins Seattle	RHMW19-WGN01B-2305WK1	5/3/2023	Primary	V	<0.032	U	<0.032	U	<0.032	U	<0.032	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							0.031	ND	ND	ND	ND	ND	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-2301WK1	1/5/2023	Primary	V	<0.031 U	<0.077 U	<0.077 U	<0.031 U	<0.031 U	<0.077 U	0.014 J	<0.031 U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2301WK1	1/5/2023	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	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK1	3/8/2023	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-2303WK1	3/8/2023	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-2303WK3	3/22/2023	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-2303WK3	3/22/2023	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	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK4	3/29/2023	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-2303WK4	3/29/2023	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-2304WK1	4/5/2023	Primary	V	0.031 J	<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-2304WK1	4/5/2023	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
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2305WK1	5/4/2023	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	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01F-2305WK1	5/4/2023	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							0.011	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	
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2301WK1	1/5/2023	Primary	V	0.011	J	<0.031	U	<0.031	U	<0.031	U	<0.077	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2301WK1	1/5/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK1	3/8/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2303WK1	3/8/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.075	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK3	3/22/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2303WK3	3/22/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.076	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2303WK4	3/29/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2303WK4	3/29/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.075	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2304WK1	4/5/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2304WK1	4/5/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.077	U
RHMW2254-01	Bailer	Eurofins Seattle	RHMW2254-01-WGN01B-2305WK1	5/4/2023	Primary	V	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.08	U
RHMW2254-01	Low-Flow	Eurofins Seattle	RHMW2254-01-WGN01LF-2305WK1	5/4/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01F-2303WK1	3/9/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01F-2303WK3	3/23/2023	Primary	V	<0.031	U	<0.079	U	<0.079	U	<0.031	U	<0.031	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01F-2303WK4	3/30/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01F-2304WK1	4/6/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01F-2305WK1	5/4/2023	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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-2303WK1	3/9/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK3	3/23/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.079	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2303WK4	3/30/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2304WK1	4/6/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.078	U
OWDFMW01	Low-Flow	Eurofins Seattle	OWDFMW01-WGN01LF-2305WK1	5/4/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	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: 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 Before 11/5/2022							ND	ND	0.03	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							ND	ND	0.03	0.014	ND	ND	ND	ND		
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result	
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2302WK2	2/15/2023	Field Duplicate	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2302WK2	2/15/2023	Primary	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2302WK3	2/22/2023	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2302WK3	2/22/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2302WK4	3/1/2023	Field Duplicate	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2302WK4	3/1/2023	Primary	V	<0.032	U	<0.079	U	<0.079	U	<0.032	U	<0.032	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2303WK2	3/15/2023	Field Duplicate	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2303WK2	3/15/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2303WK3	3/22/2023	Field Duplicate	V	<0.031	U	<0.076	U	<0.076	U	<0.031	U	<0.031	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2303WK3	3/22/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2303WK4	3/29/2023	Field Duplicate	V	<0.031	U	<0.076	U	0.03	J	0.014	J	<0.031	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2303WK4	3/29/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2304WK1	4/5/2023	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2304WK1	4/5/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2305WK1	5/2/2023	Field Duplicate	V	<0.031	U	<0.078	U	<0.078	U	<0.031	U	<0.031	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2305WK1	5/2/2023	Primary	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01F-2305WK3	5/17/2023	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGN01F-2305WK3	5/17/2023	Primary	V	<0.031	U	<0.076	U	<0.076	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: 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	µg/L		
							Minimum Before 11/5/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
							Maximum Before 11/5/2022	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-WGFD01LF-2302WK2	2/15/2023	Field Duplicate	V	<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-2302WK2	2/15/2023	Primary	V	<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-2302WK3	2/22/2023	Field Duplicate	V	<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-2302WK3	2/22/2023	Primary	V	<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-WGFD01LF-2302WK4	3/1/2023	Field Duplicate	V	<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-2302WK4	3/1/2023	Primary	V	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.079	U	<0.079	U
OWDFMW04A	Low-Flow	Eurofins Seattle	OWDFMW04A-WGFD01LF-2303WK2	3/15/2023	Field Duplicate	V	<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-2303WK2	3/15/2023	Primary	V	<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-WGFD01LF-2303WK3	3/22/2023	Field Duplicate	V	<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-2303WK3	3/22/2023	Primary	V	<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-2303WK4	3/29/2023	Field Duplicate	V	<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-2303WK4	3/29/2023	Primary	V	<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-WGFD01LF-2304WK1	4/5/2023	Field Duplicate	V	<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-2304WK1	4/5/2023	Primary	V	<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-WGFD01LF-2305WK1	5/2/2023	Field Duplicate	V	<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-2305WK1	5/2/2023	Primary	V	<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-2305WK3	5/17/2023	Field Duplicate	V	<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-2305WK3	5/17/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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-WGN01LF-2302WK2	2/15/2023	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-2302WK3	2/22/2023	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-2302WK4	3/1/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK2	3/15/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK3	3/22/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK4	3/29/2023	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-2304WK1	4/5/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK1	5/2/2023	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-2305WK3	5/17/2023	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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	
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2302WK2	2/15/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2302WK3	2/22/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-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	<0.03 U	<0.076 U	<0.076 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK2	3/15/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK3	3/22/2023	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	<0.076 U	<0.076 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2303WK4	3/29/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2304WK1	4/5/2023	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	<0.076 U	<0.076 U
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK1	5/2/2023	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
OWDFMW05A	Low-Flow	Eurofins Seattle	OWDFMW05A-WGN01LF-2305WK3	5/17/2023	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	<0.076 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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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-2303WK1	3/7/2023	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-2303WK2	3/14/2023	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
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK4	3/28/2023	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
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2304WK1	4/4/2023	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-2305WK1	5/1/2023	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: OWDFMW07A

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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							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	
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK1	3/7/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK2	3/14/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2303WK4	3/28/2023	Primary	V	<0.031	U	<0.031	U	<0.031	U	<0.031	U	<0.031	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2304WK1	4/4/2023	Primary	V	<0.03	U	<0.03	U	<0.03	U	<0.03	U	<0.03	U
OWDFMW07A	Low-Flow	Eurofins Seattle	OWDFMW07A-WGN01LF-2305WK1	5/1/2023	Primary	V	<0.031	U	<0.031	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND		
Maximum Before 11/5/2022							ND	ND	ND	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-WGFD01LF-2303WK1	3/7/2023	Field Duplicate	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK1	3/7/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK2	3/14/2023	Field Duplicate	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK2	3/14/2023	Primary	V	<0.03	U	<0.075	U	<0.075	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK4	3/28/2023	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2303WK4	3/28/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2304WK1	4/4/2023	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2304WK1	4/4/2023	Primary	V	<0.03	U	<0.076	U	<0.076	U	<0.03	U	<0.03	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2305WK1	5/1/2023	Field Duplicate	V	<0.031	U	<0.077	U	<0.077	U	<0.031	U	<0.031	U
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGN01LF-2305WK1	5/1/2023	Primary	V	<0.032	U	<0.079	U	<0.079	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: 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						
Maximum Before 11/5/2022							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			
OWDFMW08A	Low-Flow	Eurofins Seattle	OWDFMW08A-WGFD01LF-2303WK1	3/7/2023	Field Duplicate	V	<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-2303WK1	3/7/2023	Primary	V	<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-2303WK2	3/14/2023	Field Duplicate	V	<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-2303WK2	3/14/2023	Primary	V	<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-2303WK4	3/28/2023	Field Duplicate	V	<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-2303WK4	3/28/2023	Primary	V	<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-2304WK1	4/4/2023	Field Duplicate	V	<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-2304WK1	4/4/2023	Primary	V	<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-2305WK1	5/1/2023	Field Duplicate	V	<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-2305WK1	5/1/2023	Primary	V	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	U	<0.032	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)
 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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							6.4	6.8	2.5	0.076	0.072	0.064	0.41	0.36
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-2301WK1	1/5/2023	Primary	V	<0.064 U	<0.16 U	<0.16 U	<0.064 U	<0.064 U	<0.16 U	<0.064 U	<0.064 U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK1	3/8/2023	Primary	V	0.065 J	0.059 J	0.039 J	0.015 J	<0.03 U	0.064 J	0.41	0.34
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK3	3/22/2023	Primary	V	0.059 J	0.055 J	0.031 J	<0.031 U	<0.031 U	<0.077 U	<0.031 U	<0.031 U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK4	3/29/2023	Primary	V	4.7	5.3	2.3	0.063 J	0.059	<0.076 U	<0.03 U	<0.03 U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2304WK1	4/5/2023	Primary	V	6.4	6.8	2.5	0.076 J	0.072	0.036 J	0.28	0.36

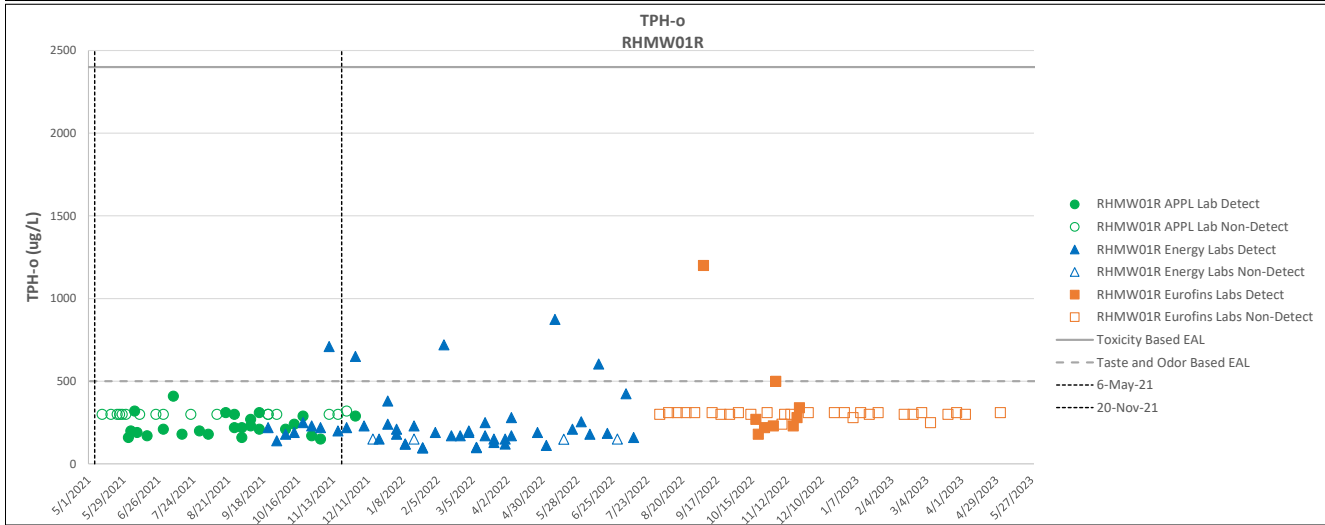
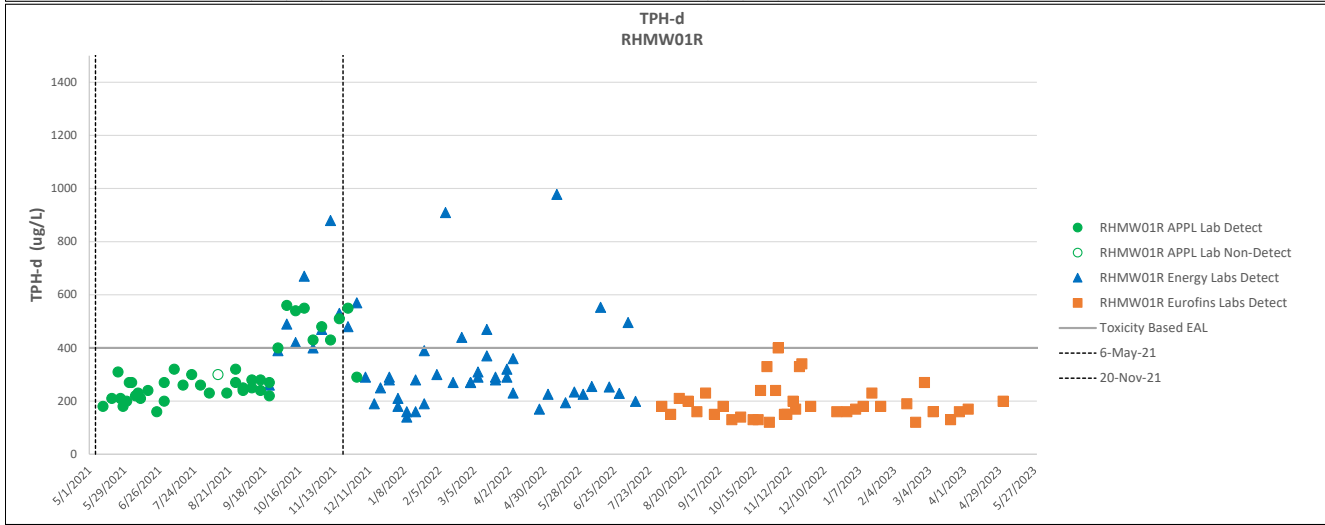
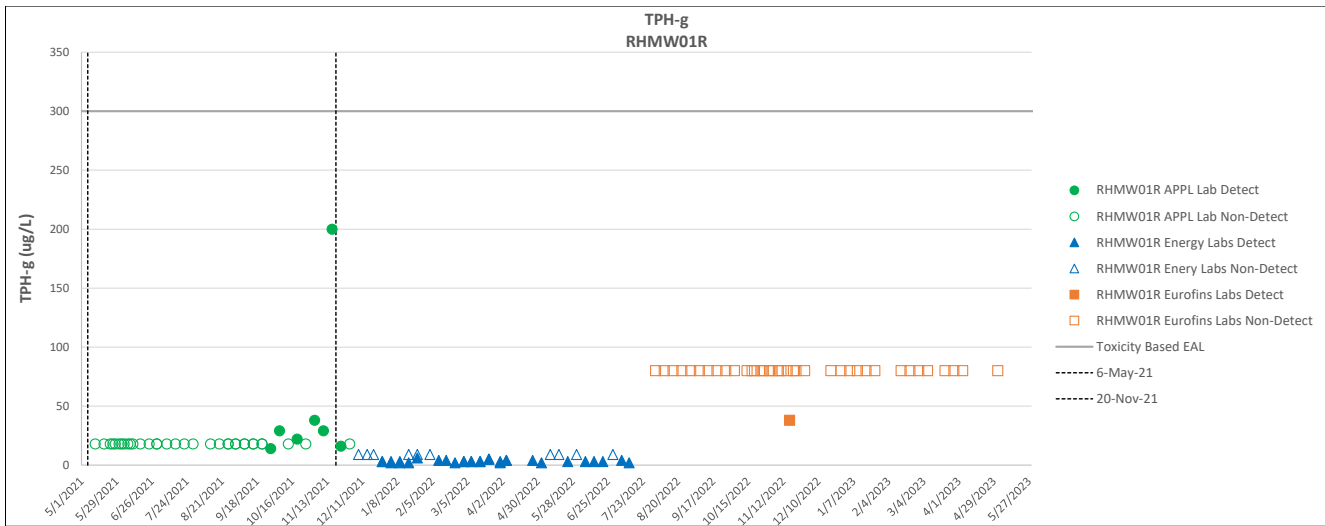
Notes:
 See Data Legend

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

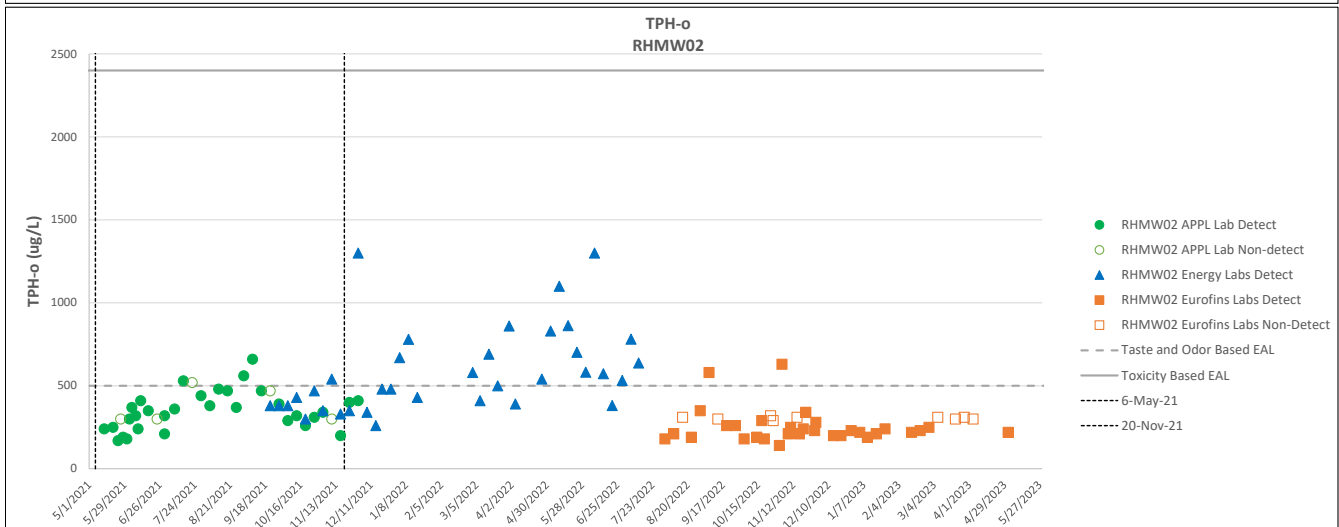
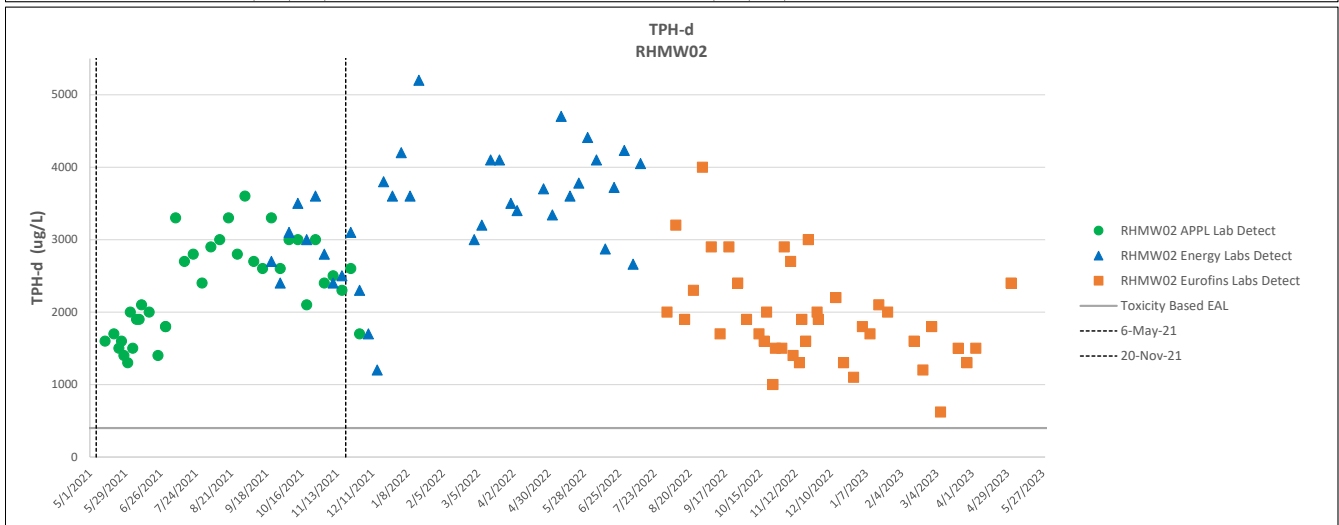
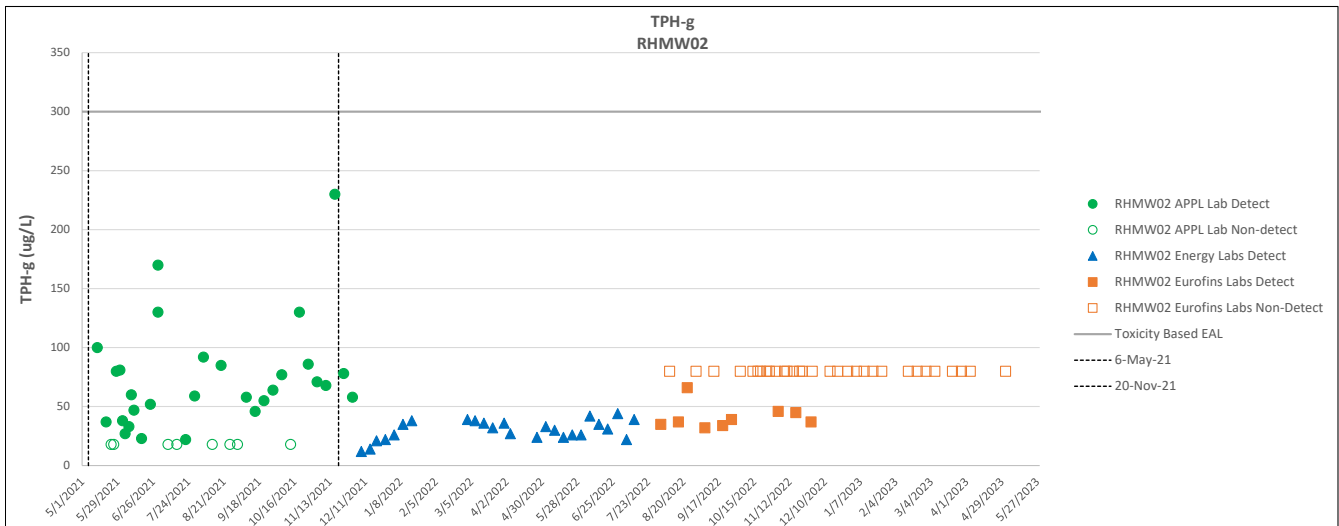
Analyte							Benzo(b)fluoranthene (SIM)	Benzo(g,h)perylene (SIM)	Benzo(k)fluoranthene (SIM)	Chrysene (SIM)	Dibenzo(a,h)anthracene (SIM)	Fluoranthene (SIM)	Fluorene (SIM)	Indeno(1,2,3-cd)pyrene (SIM)	Phenanthrene (SIM)	Pyrene (SIM)
CAS No.							205-99-2	191-24-2	207-08-9	218-01-9	53-70-3	206-44-0	86-73-7	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 Before 11/5/2022							ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Before 11/5/2022							0.45	0.27	0.16	0.42	0.06	0.77	0.11	0.28	0.22	0.78
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-2301WK1	1/5/2023	Primary	V	<0.064 U	<0.064 U	<0.064 U	<0.064 U	<0.064 U	<0.064 U	<0.064 U	<0.064 U	<0.16 U	<0.16 U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK1	3/8/2023	Primary	V	0.45	0.18	0.15	0.42	0.053 J	0.77	<0.03 U	0.27	0.22	0.78
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK3	3/22/2023	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
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2303WK4	3/29/2023	Primary	V	<0.03 U	<0.03 U	<0.03 U	<0.03 U	<0.03 U	0.077 J	<0.03 U	<0.076 U	<0.076 U	<0.076 U
Sump Adit 3	Bailer	Eurofins Seattle	ADIT3-SUMP-WGN01B-2304WK1	4/5/2023	Primary	V	0.43	0.27	0.16	0.36	0.06 J	0.47	0.11	0.28	0.18	0.5

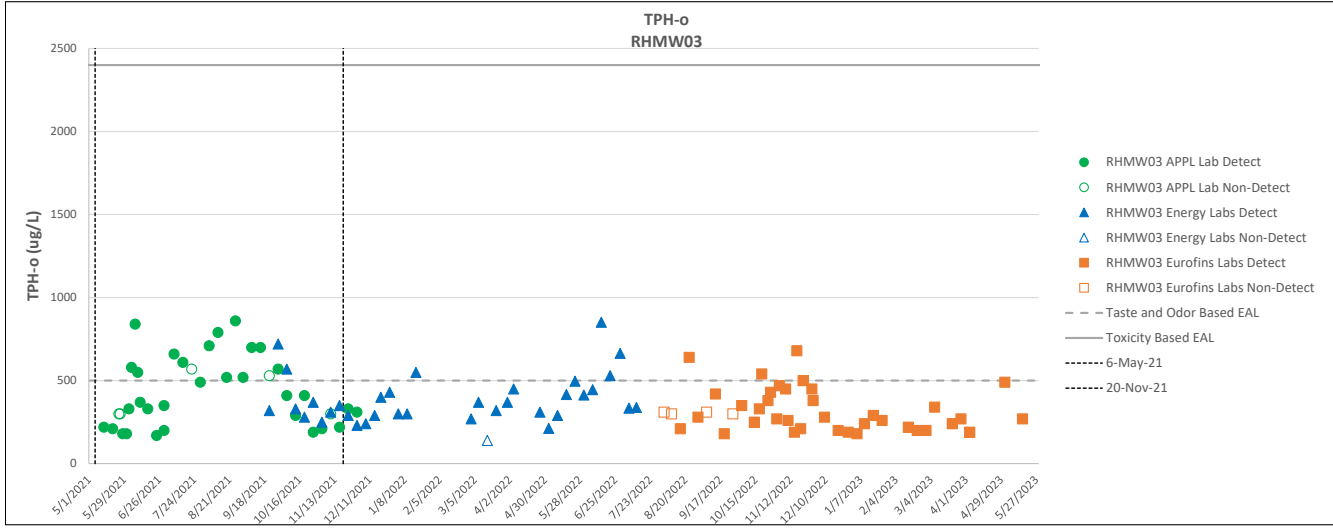
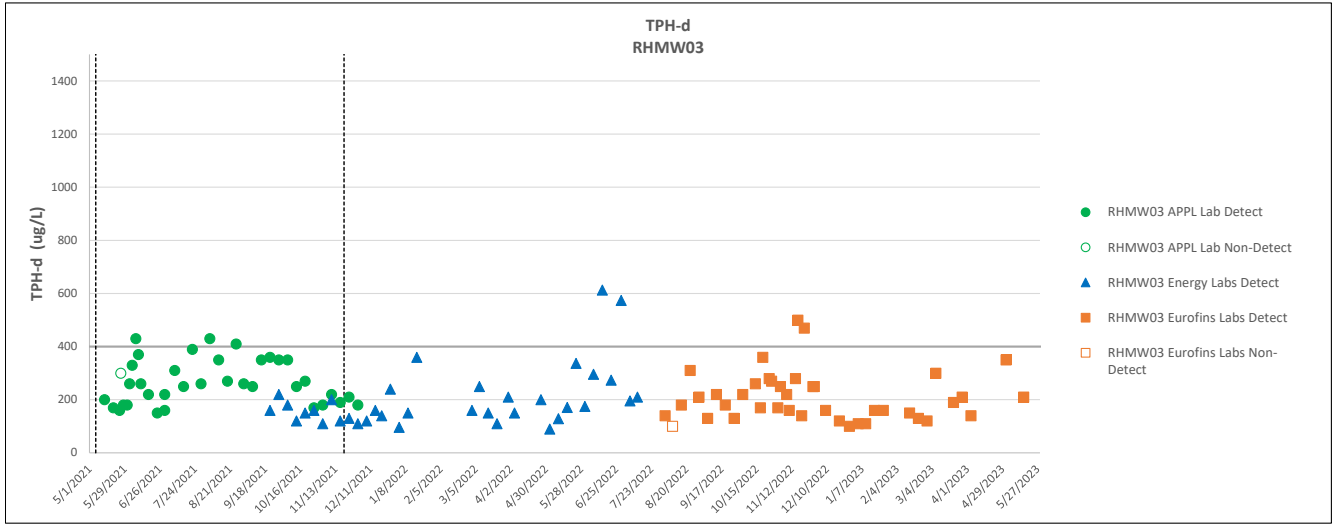
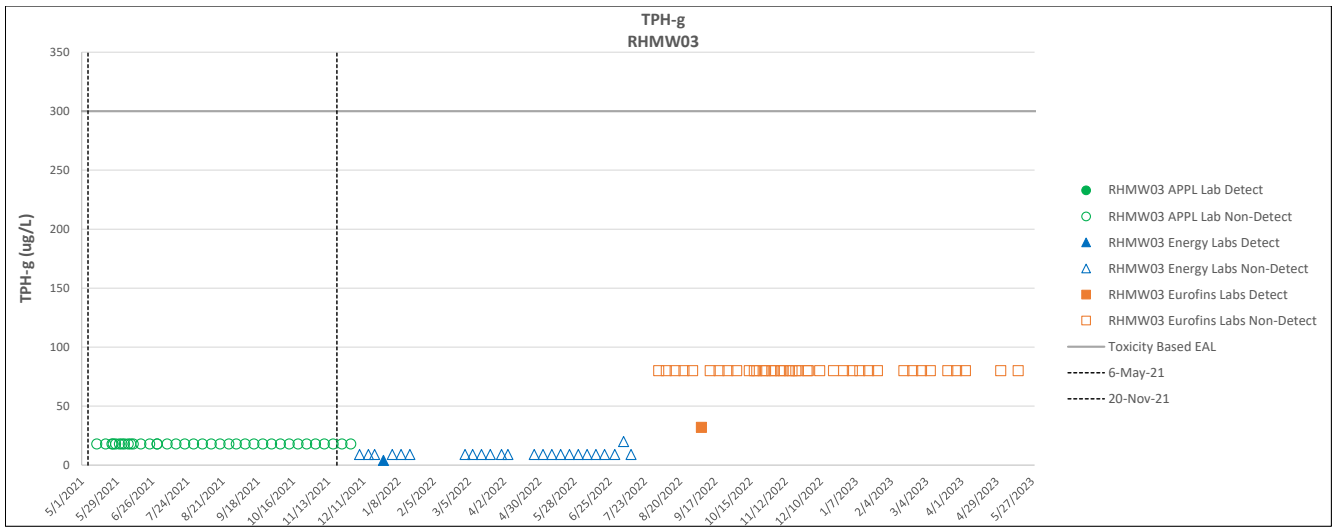
Notes:
 See Data Legend

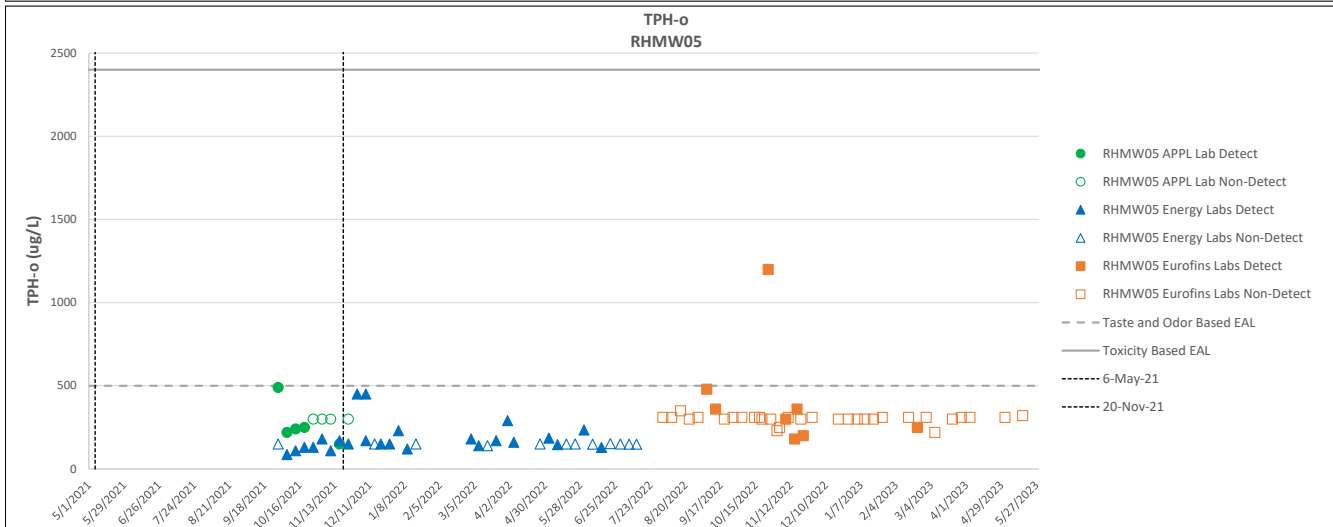
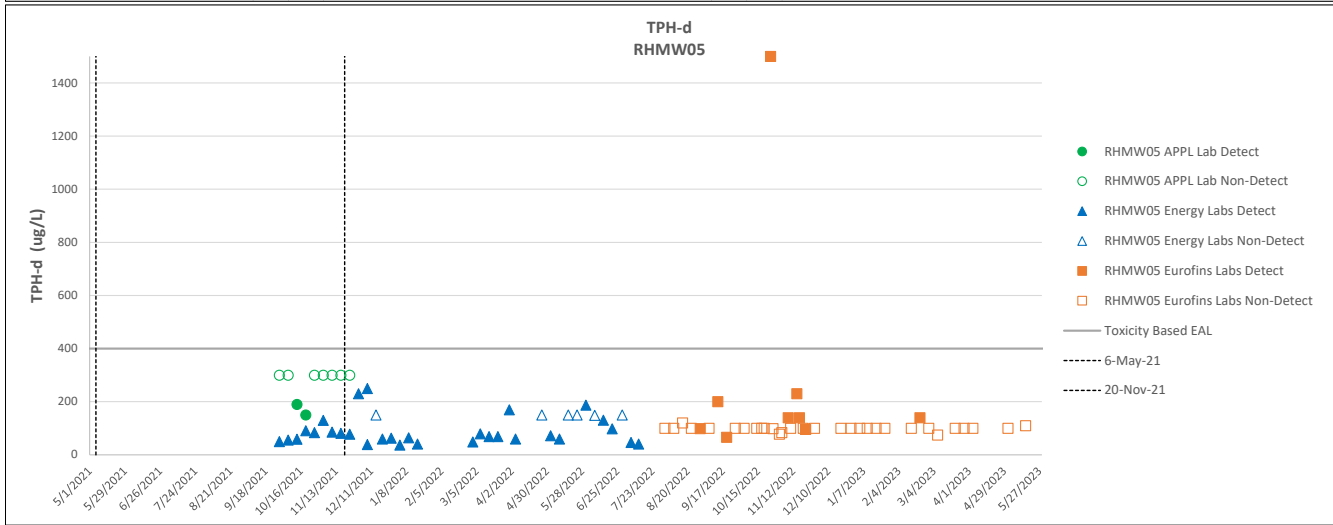
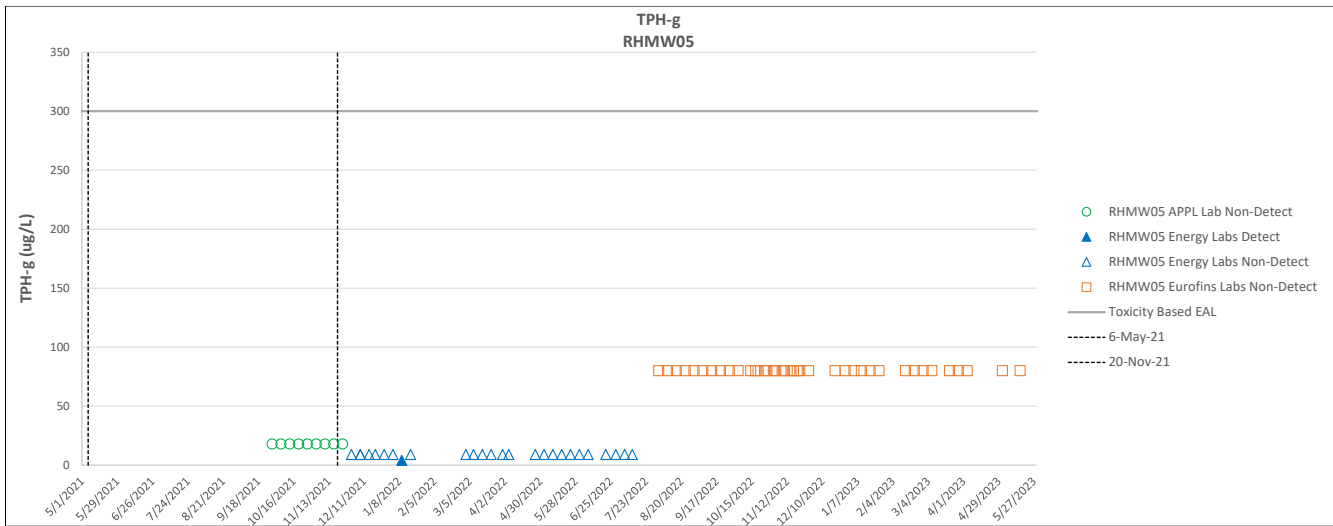
Appendix B.4.5 – TPH Charts

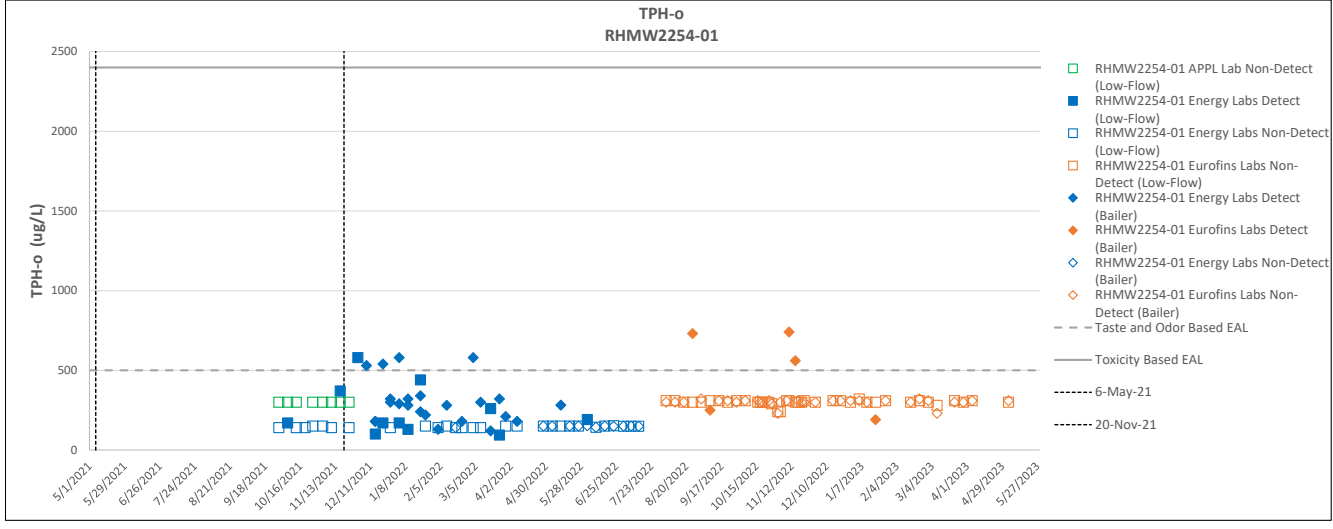
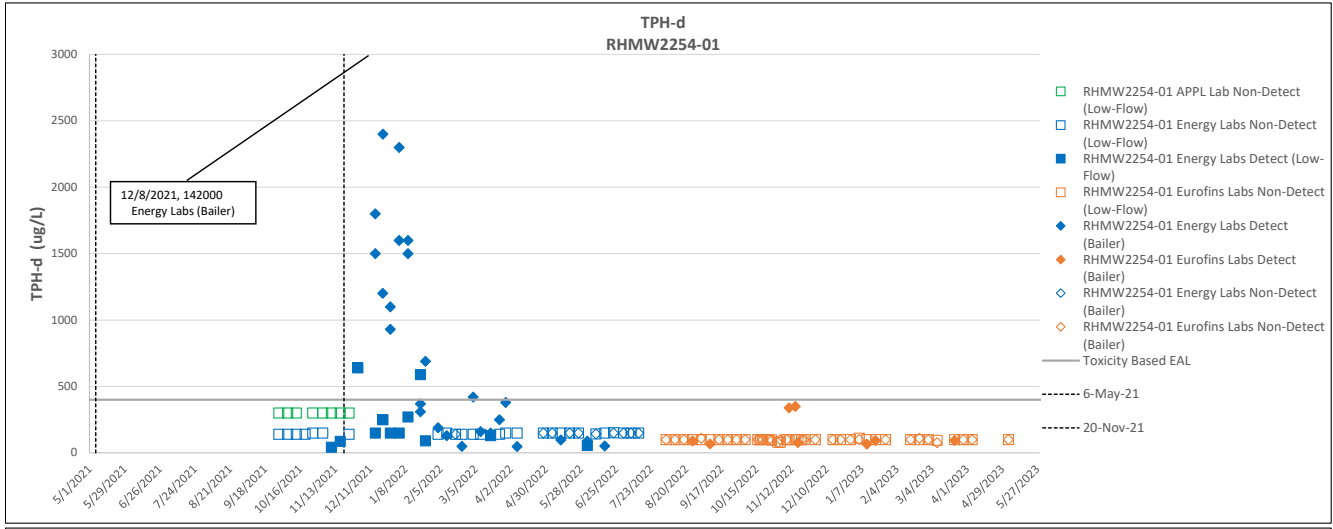
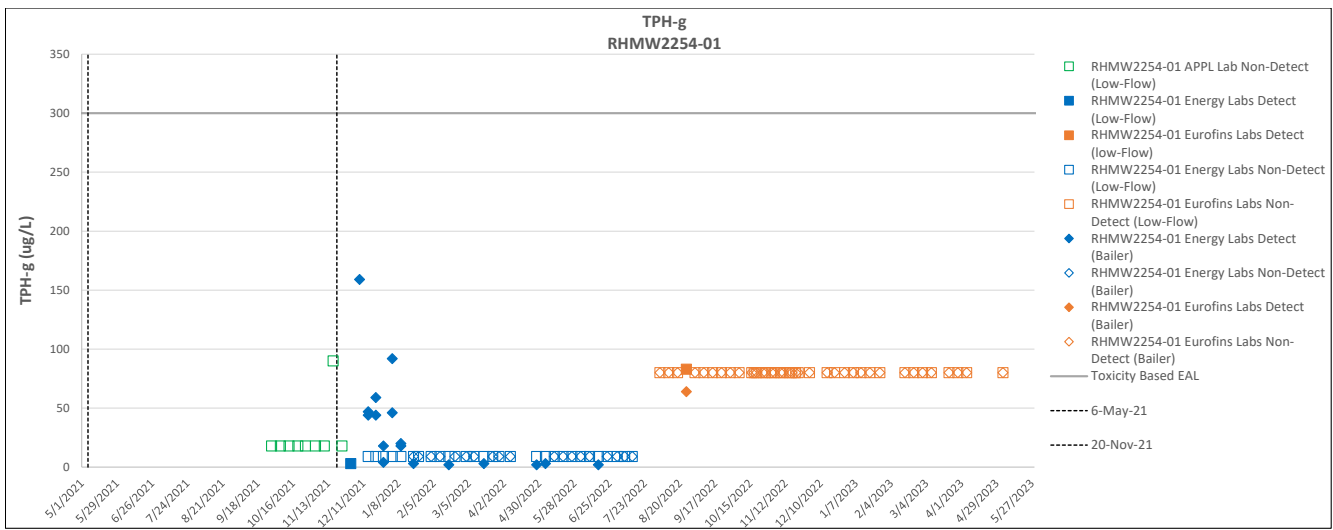


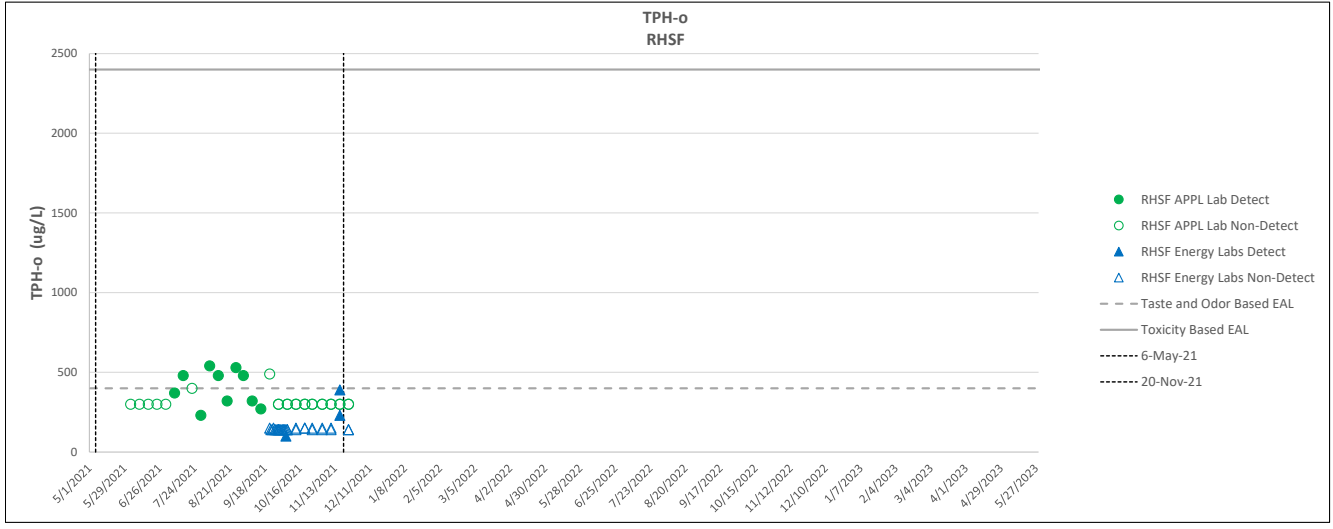
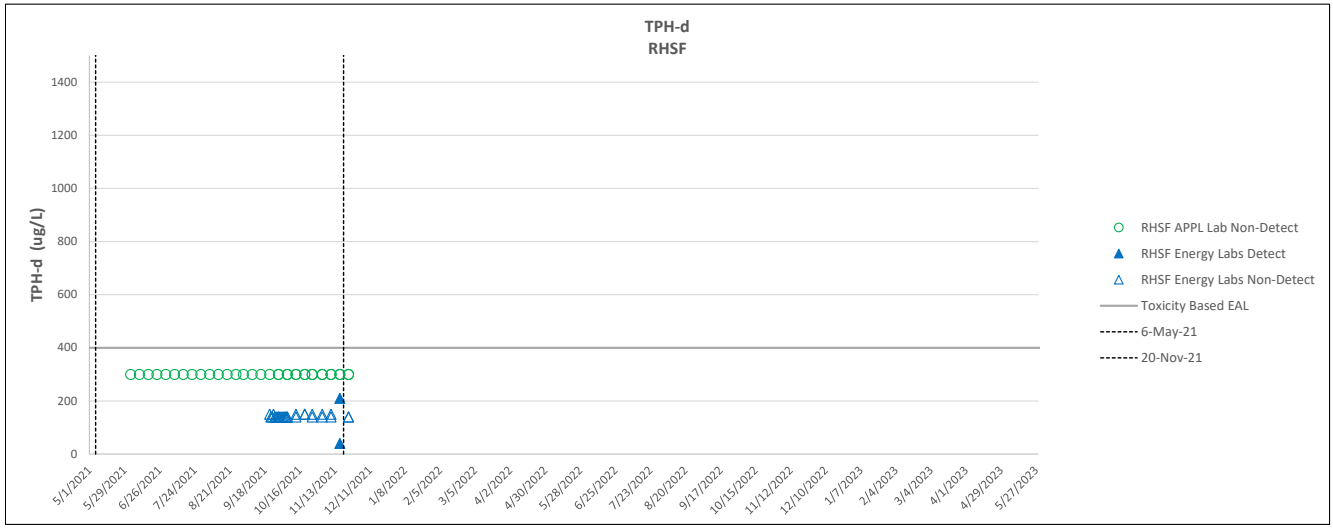
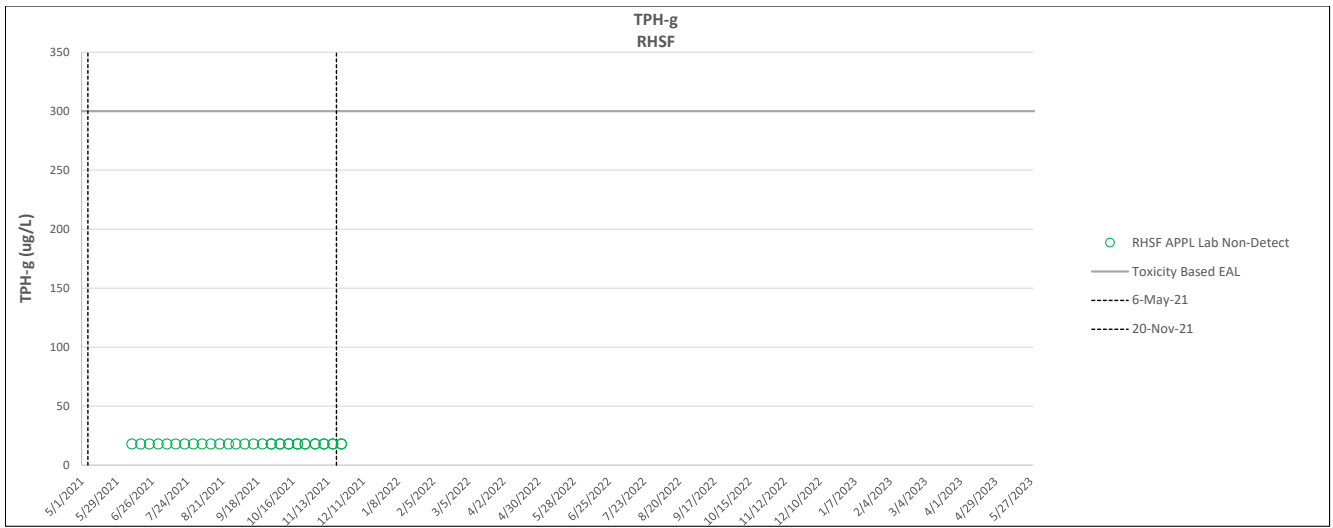
Notes:
¹ Sample collected on 12/20/2021 was reanalyzed due to inconsistency with historic trend and suspected container switch. Reanalysis results reported.

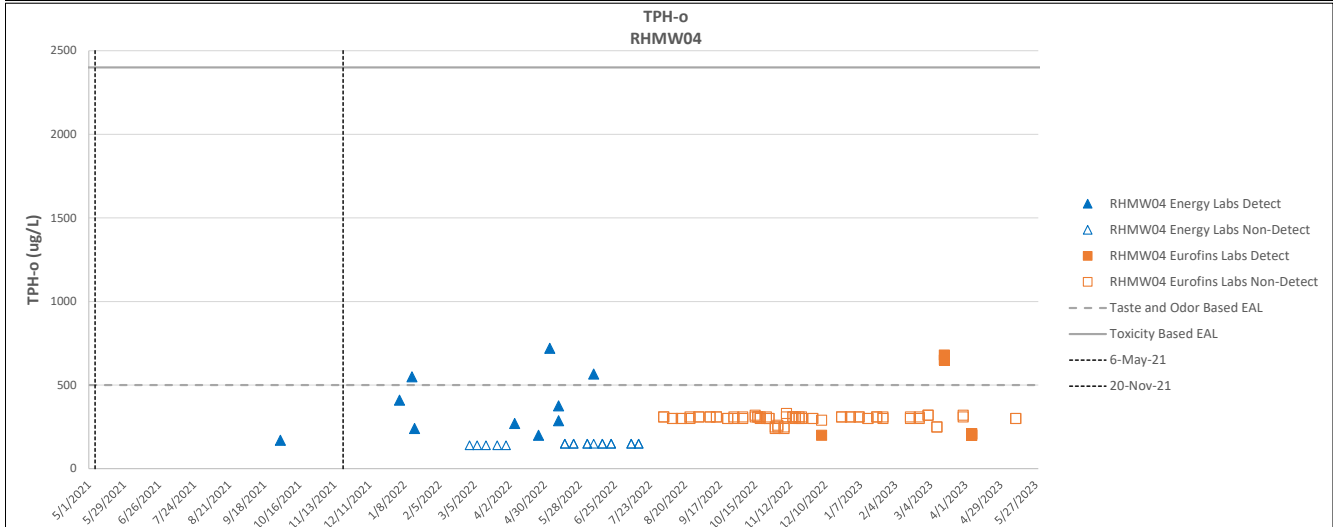
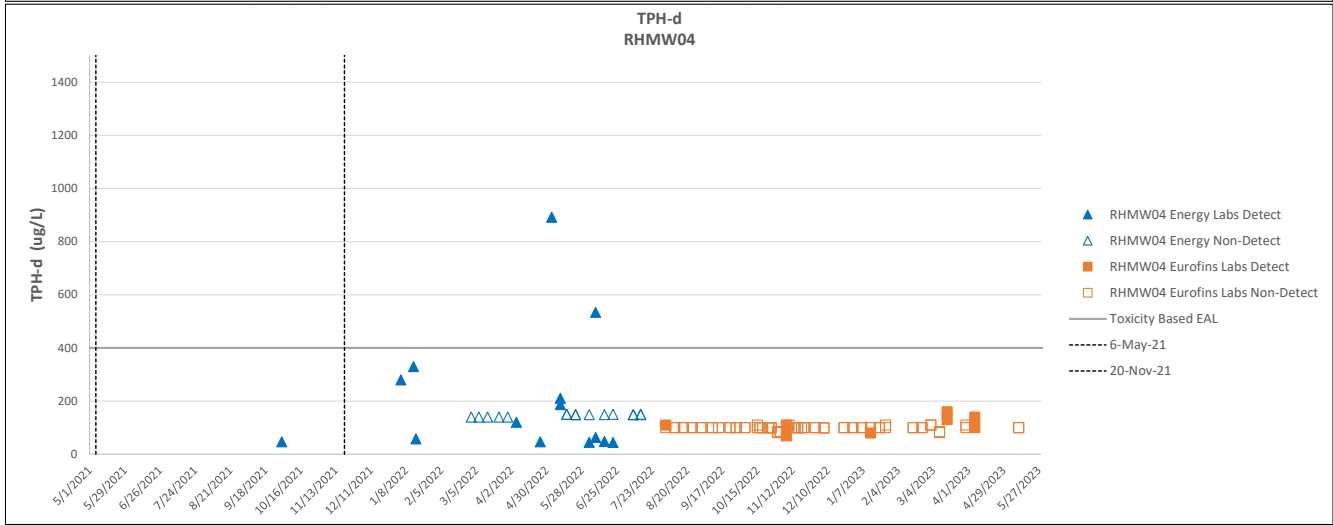
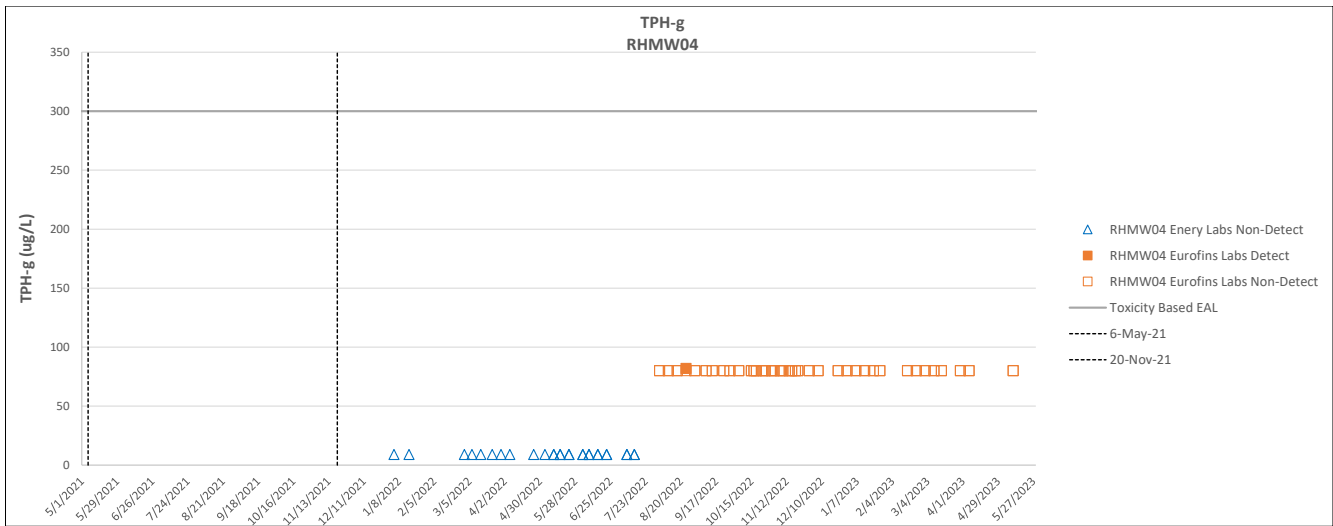


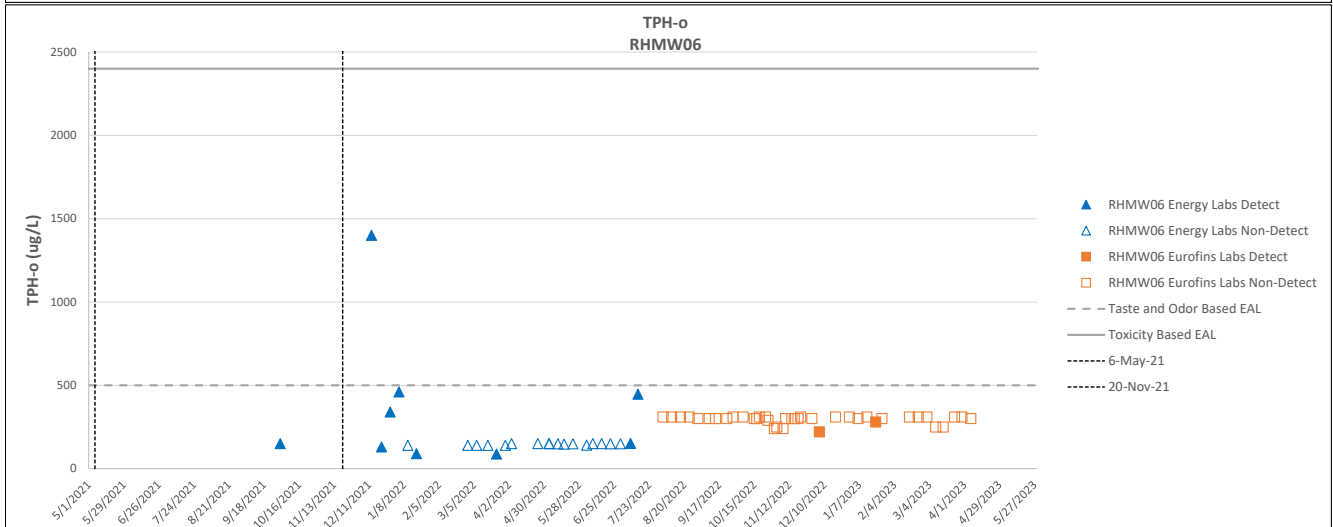
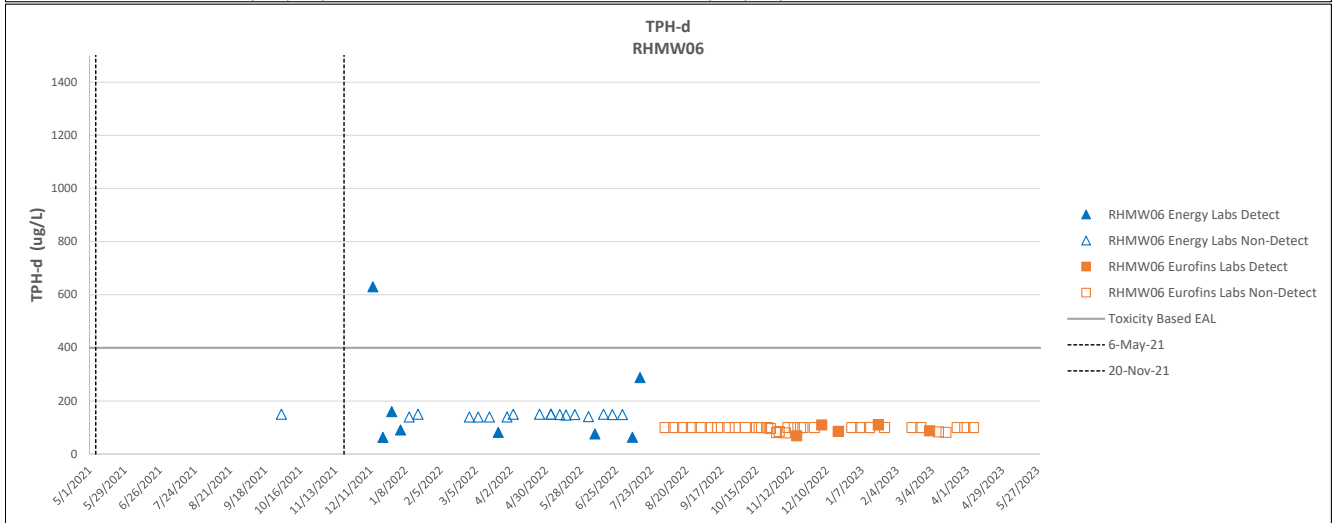
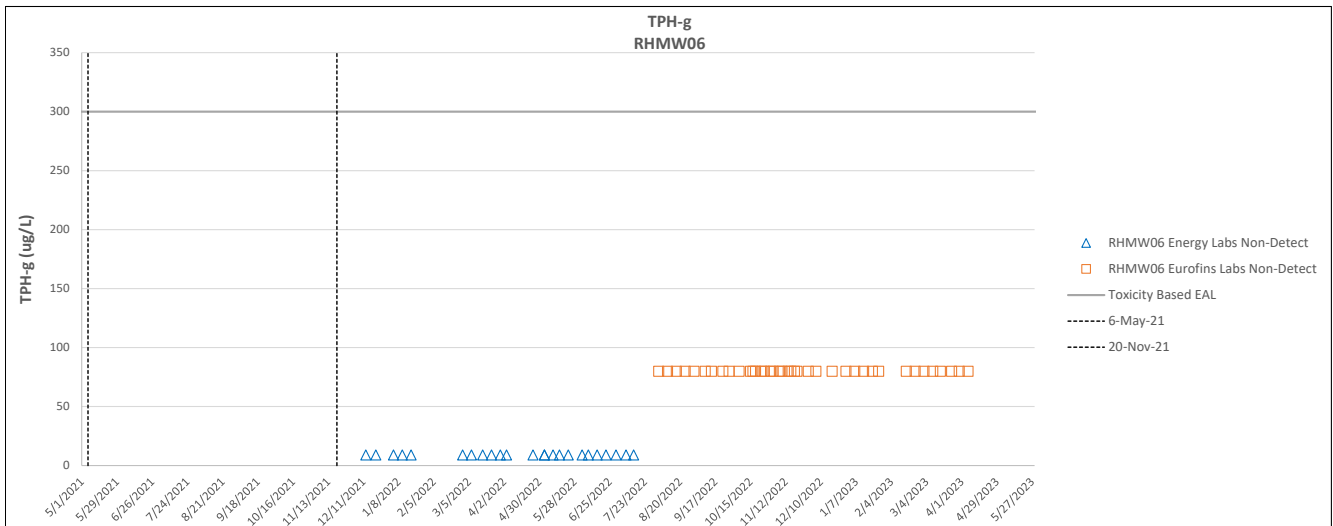


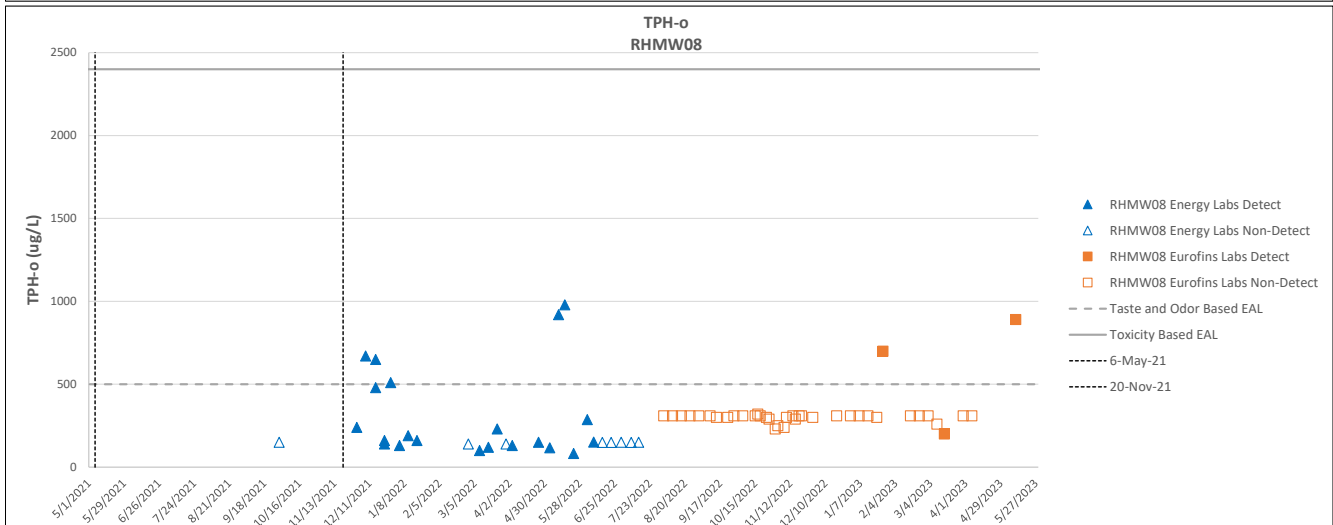
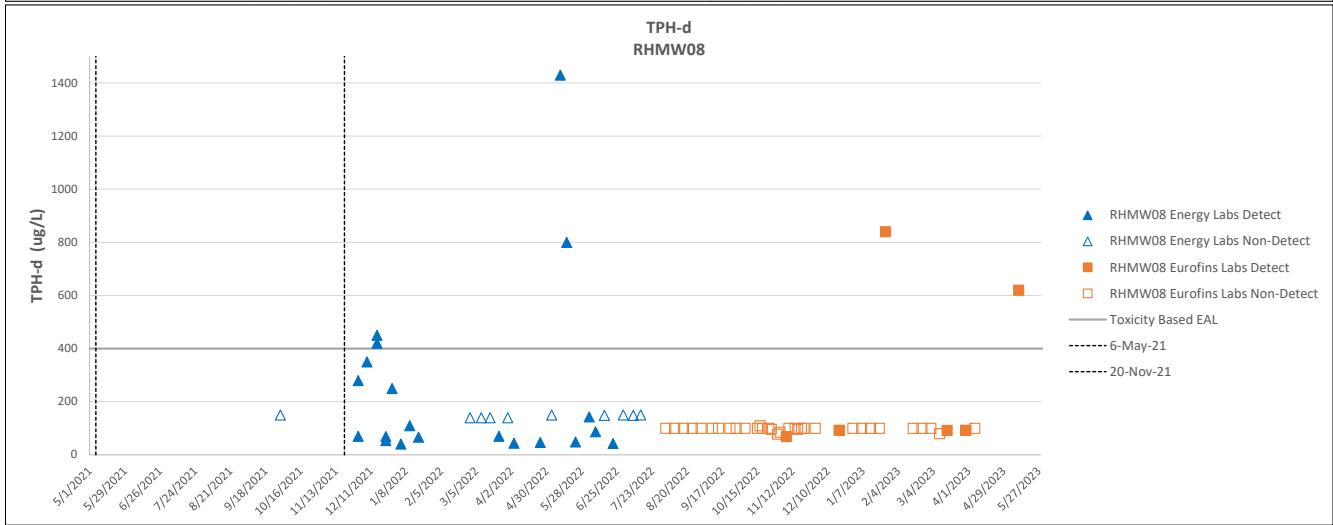
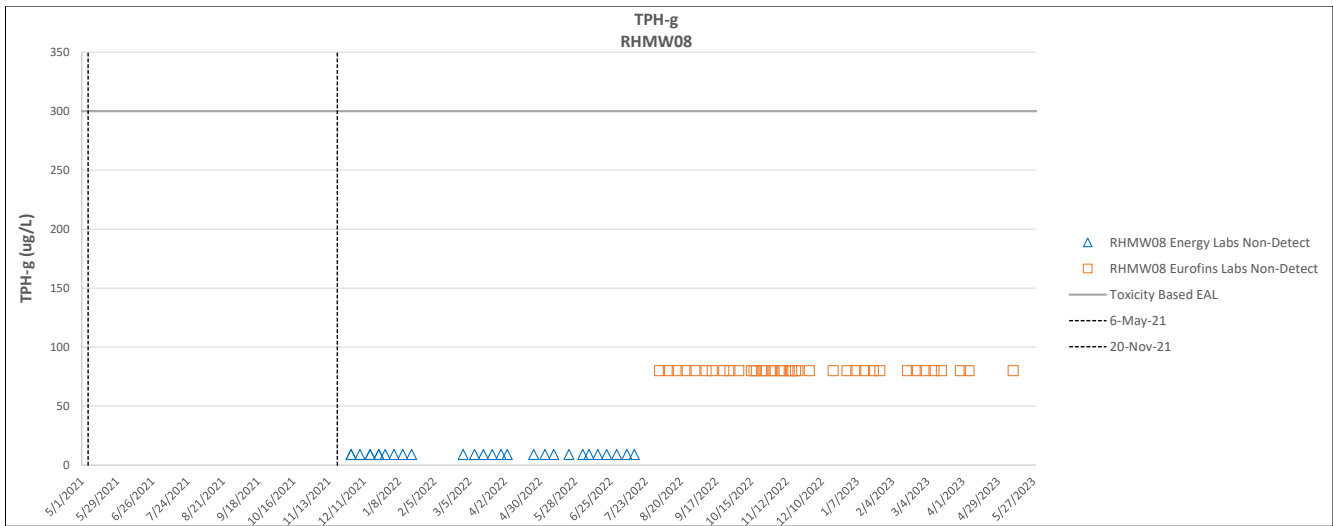




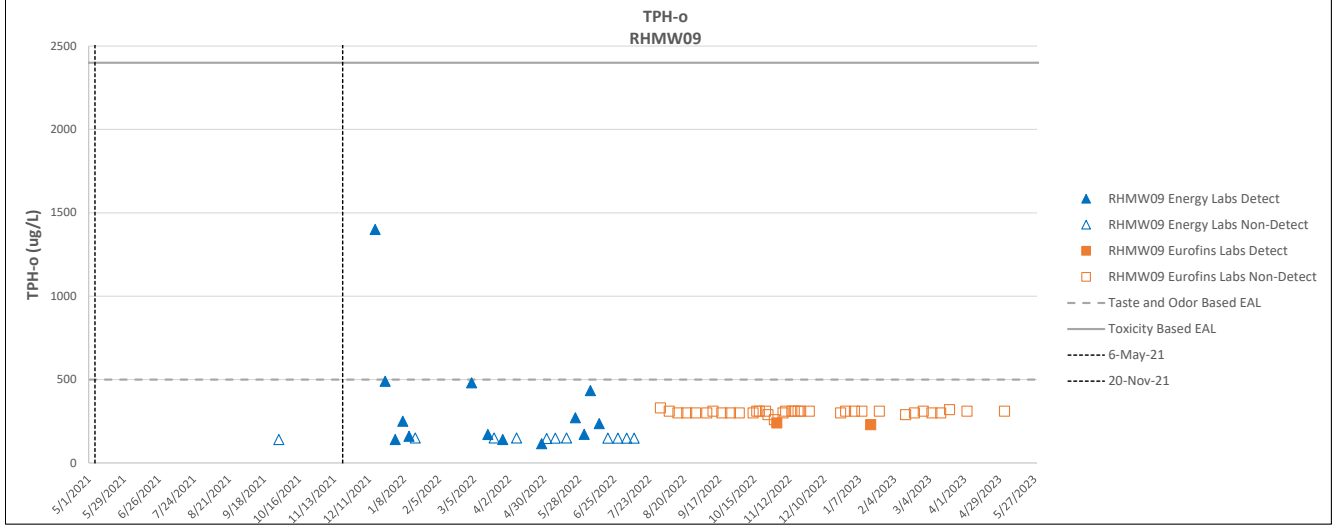
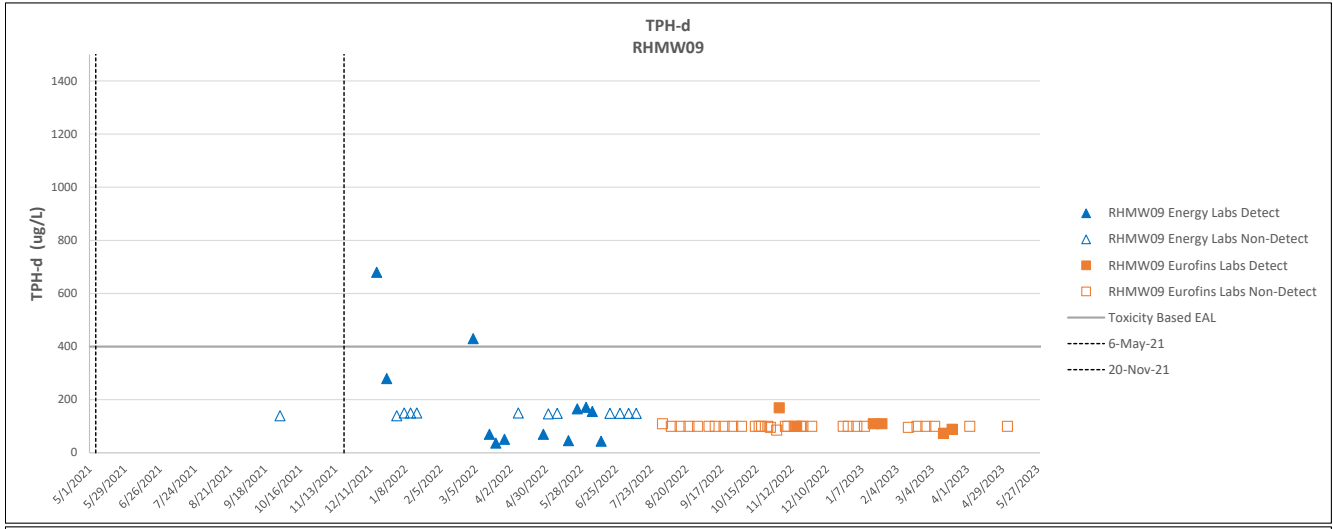
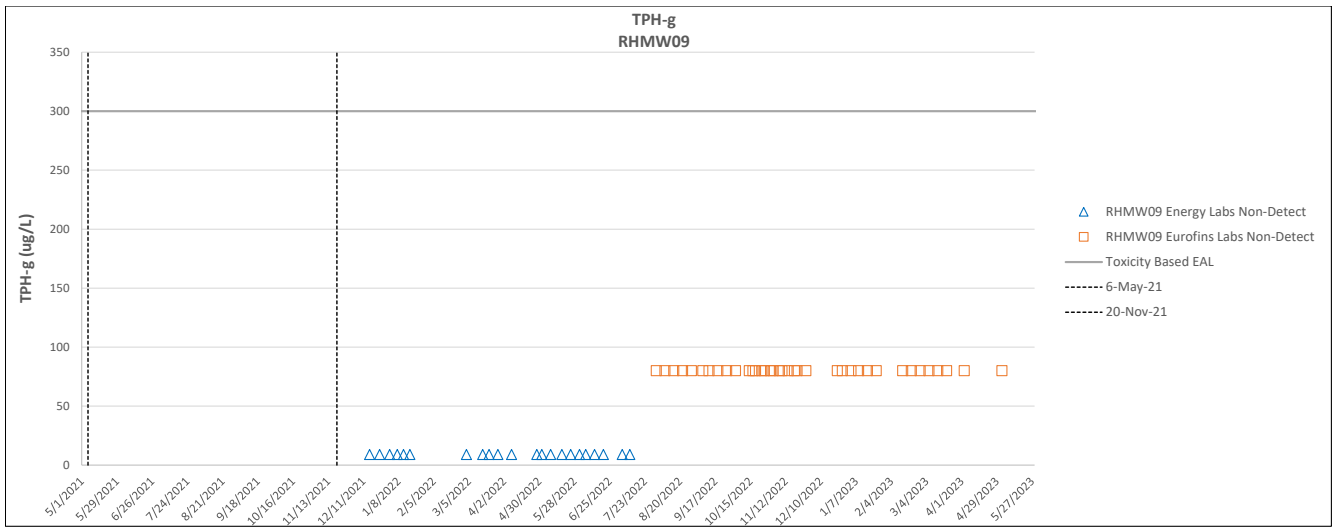


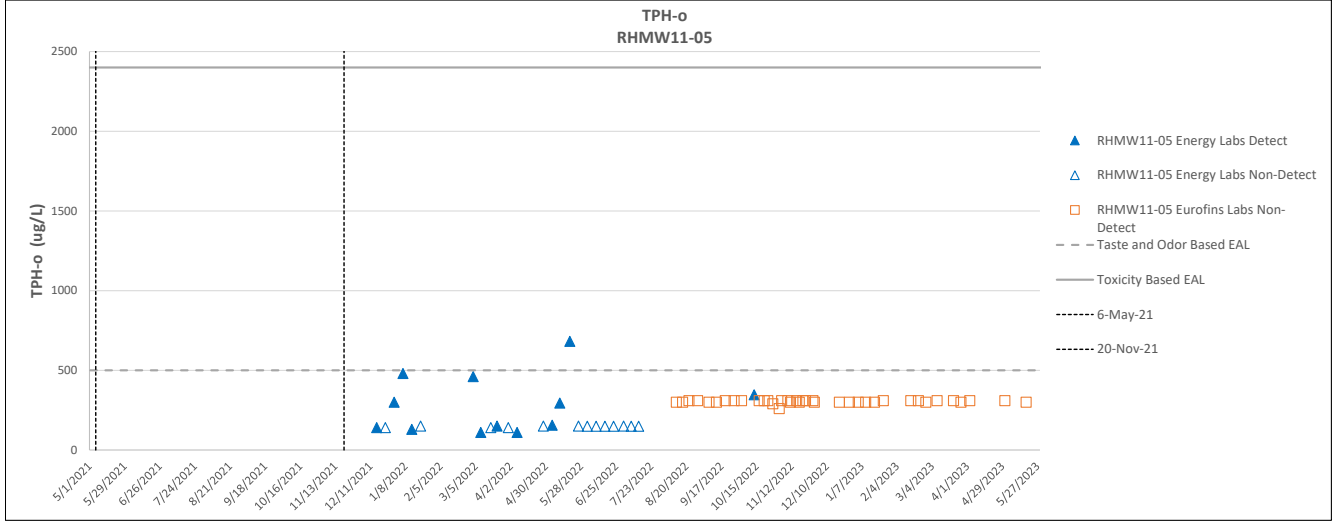
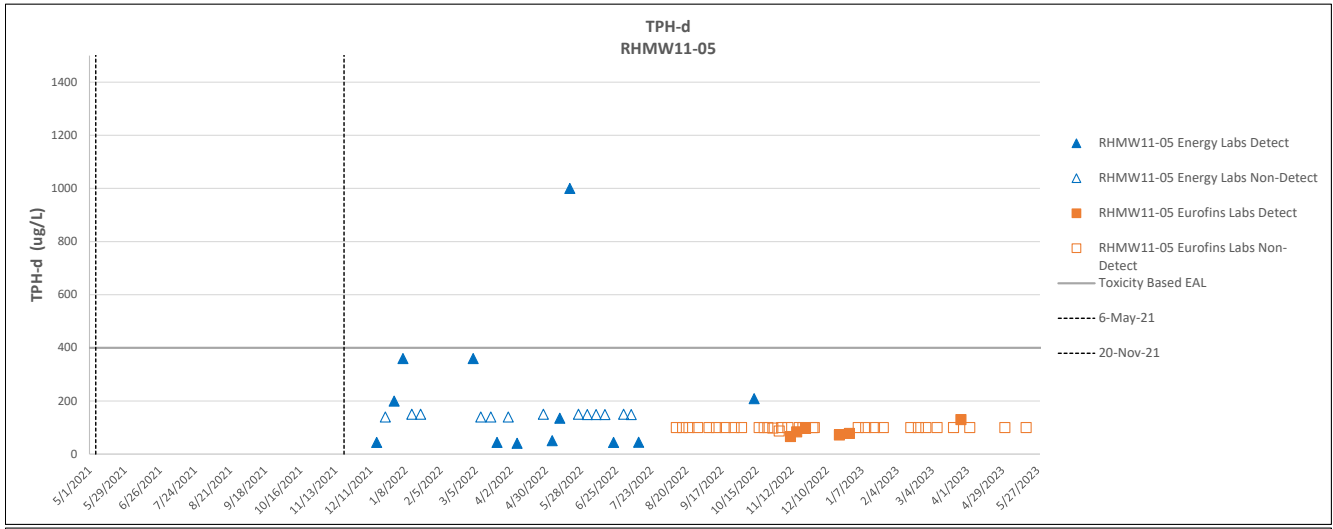
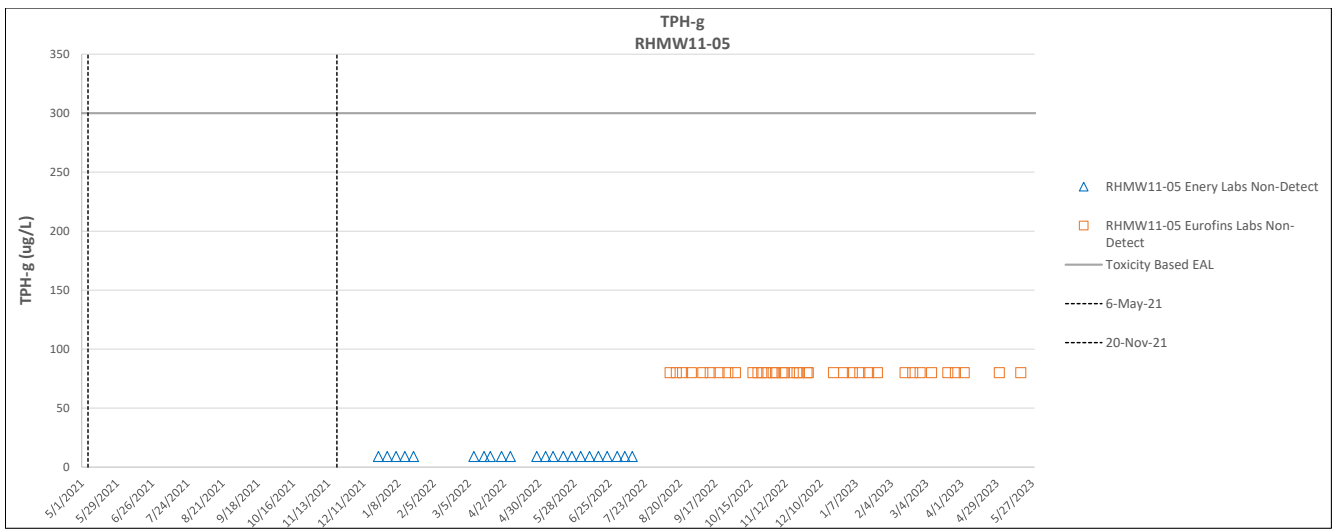


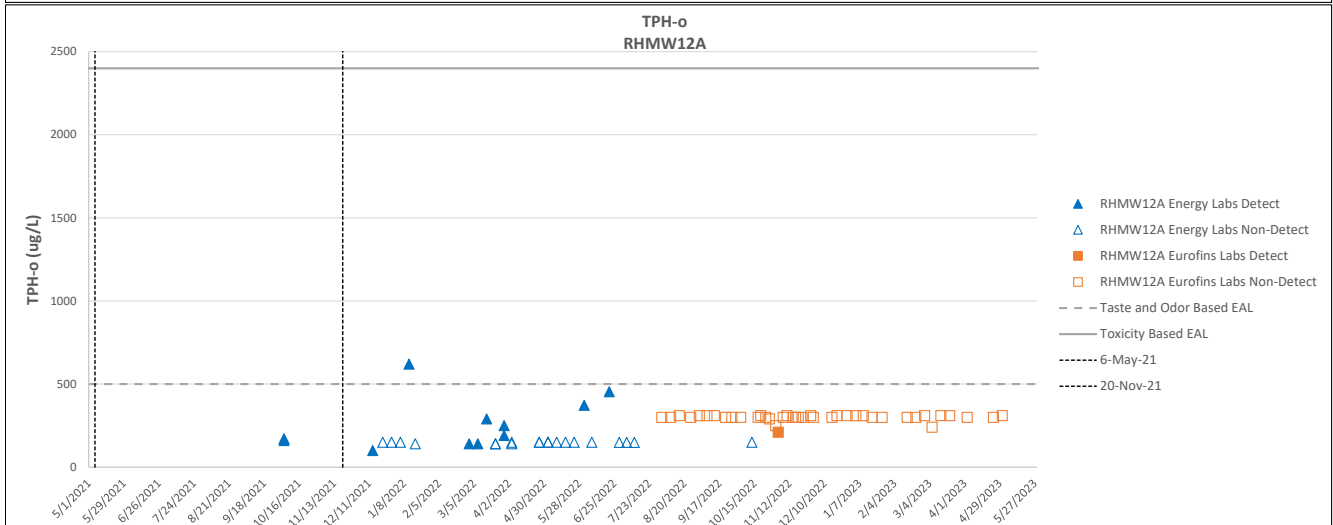
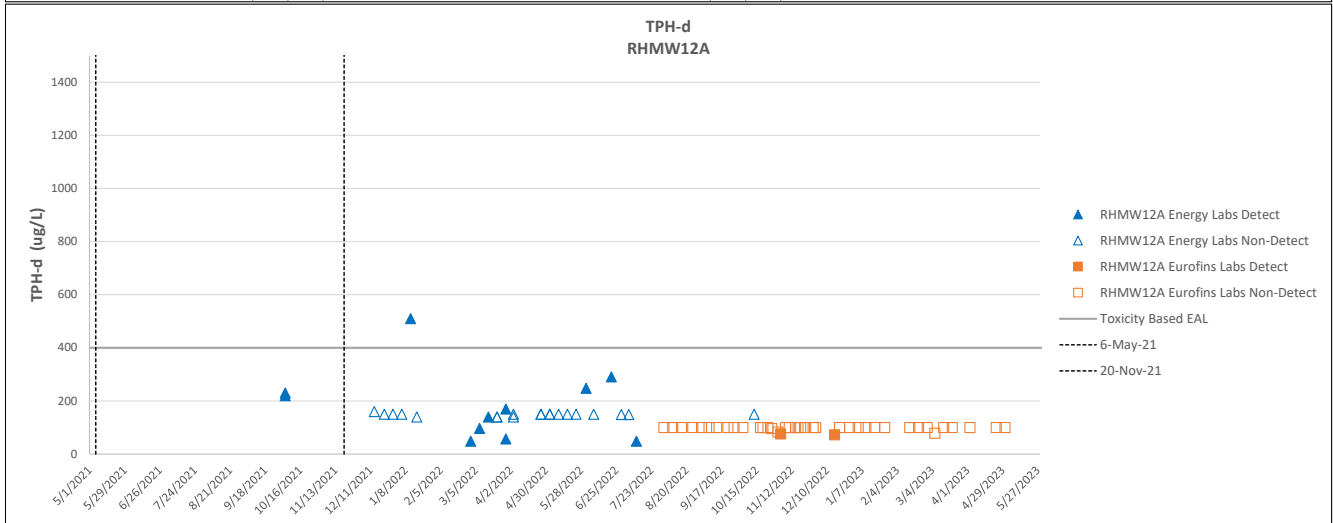
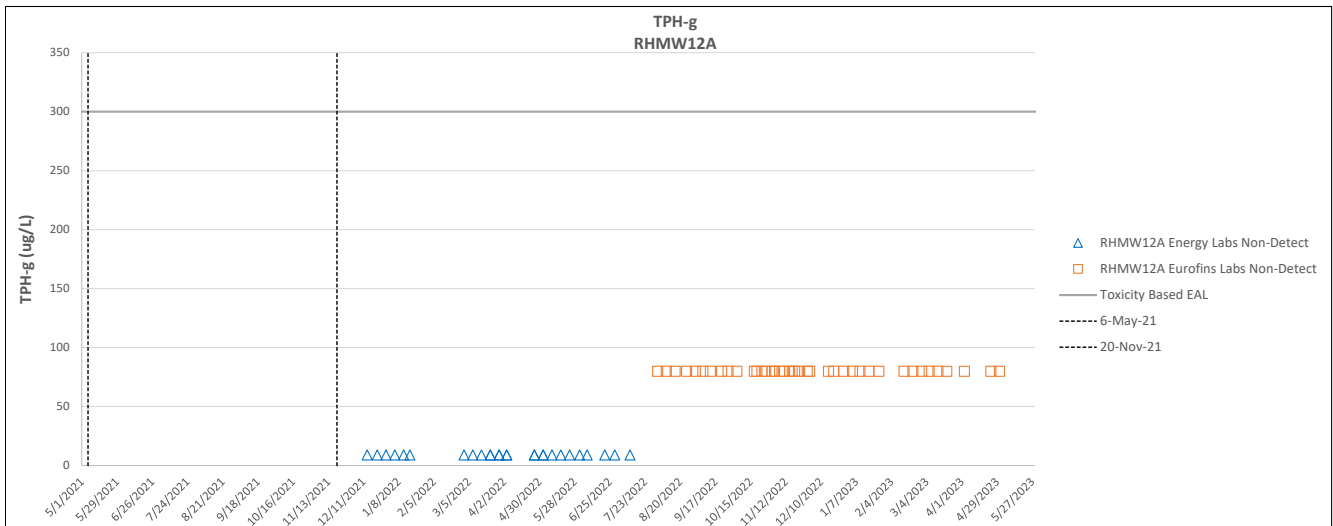


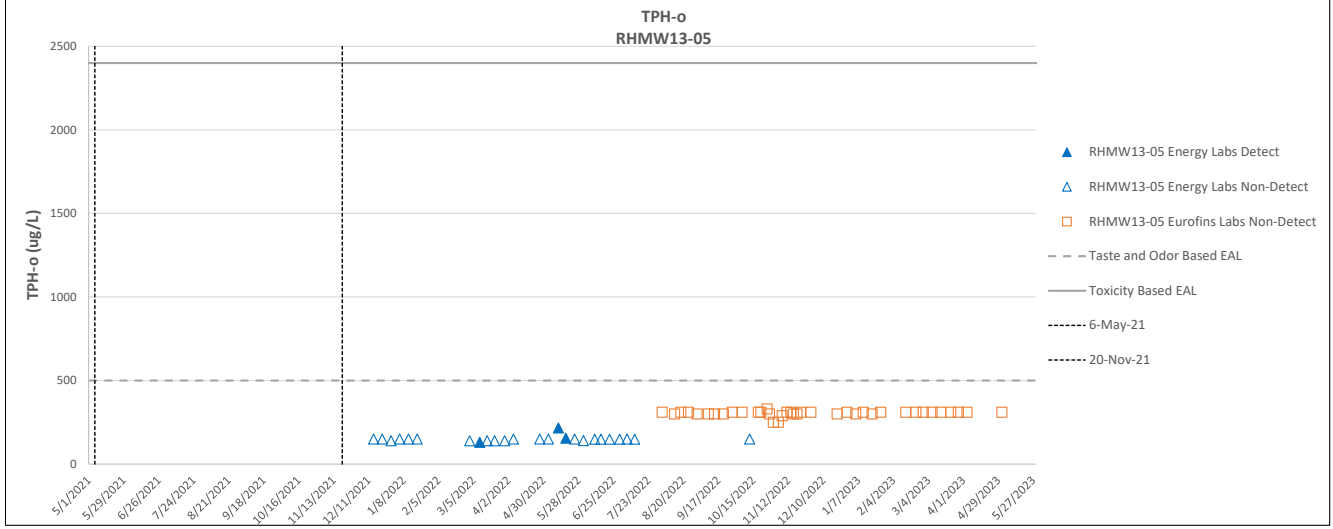
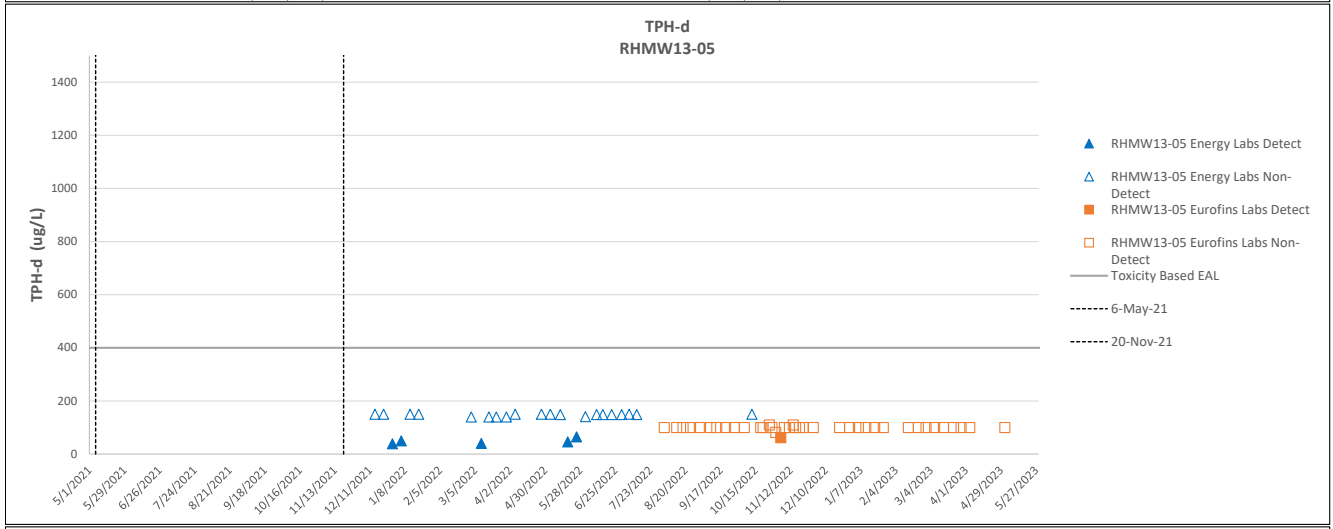
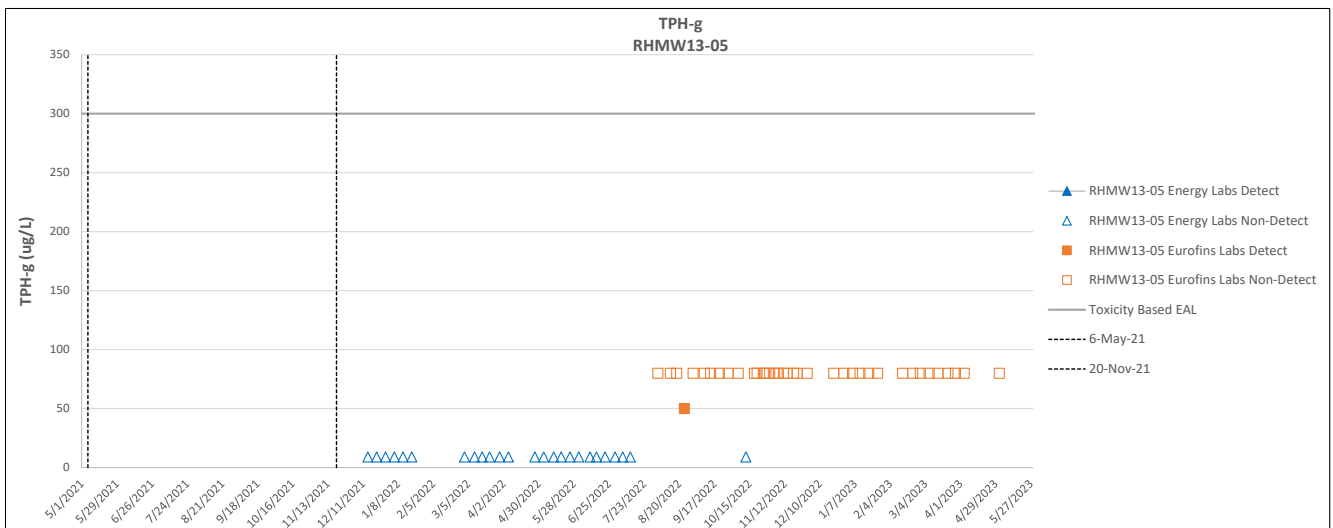


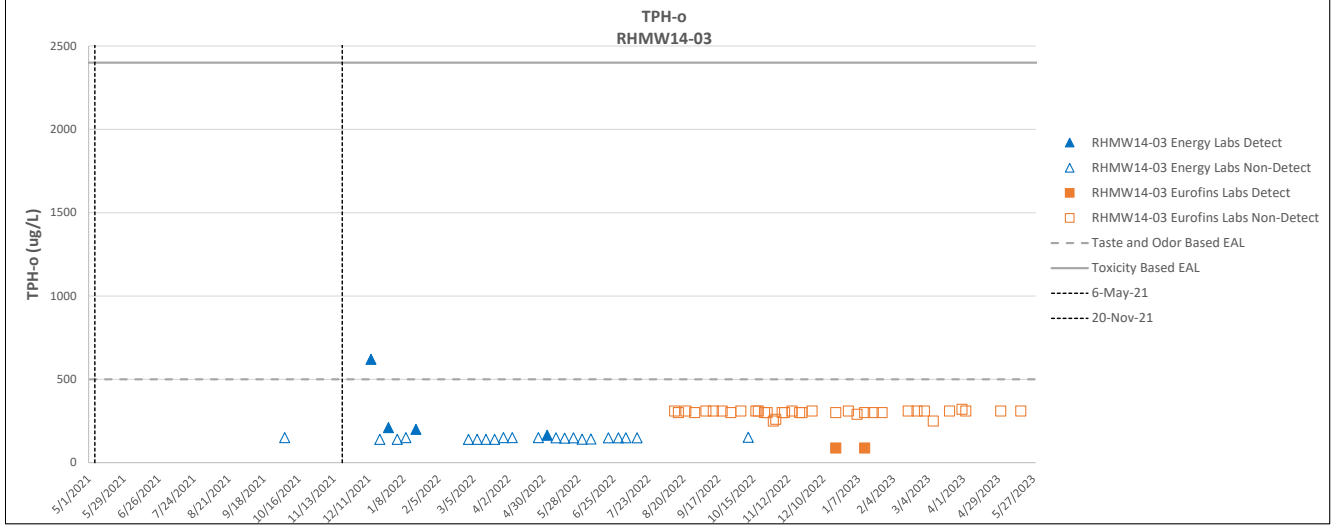
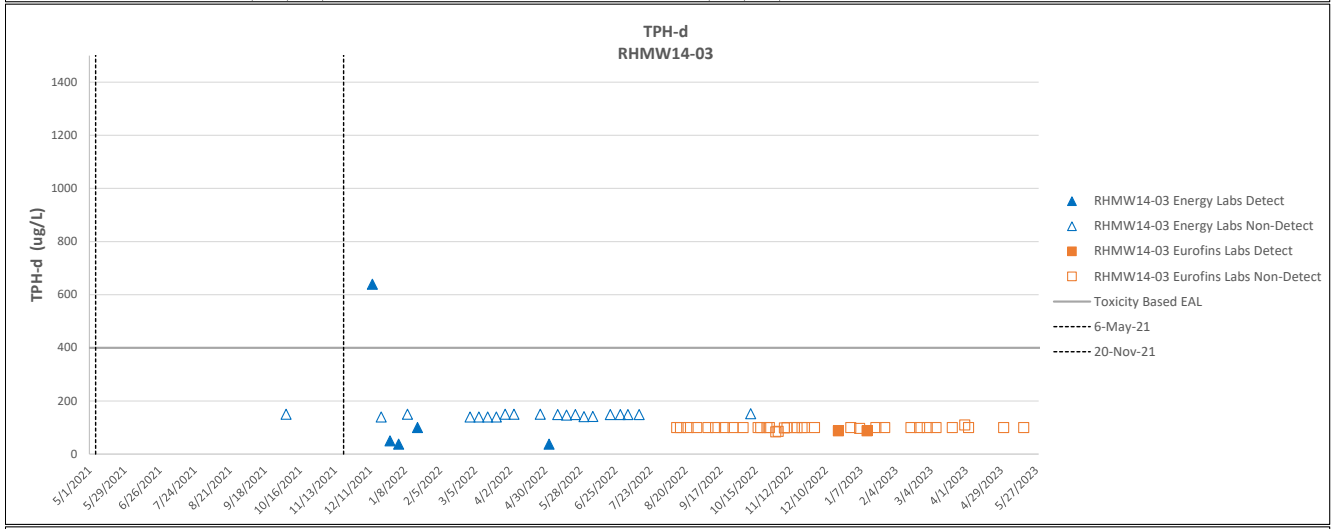
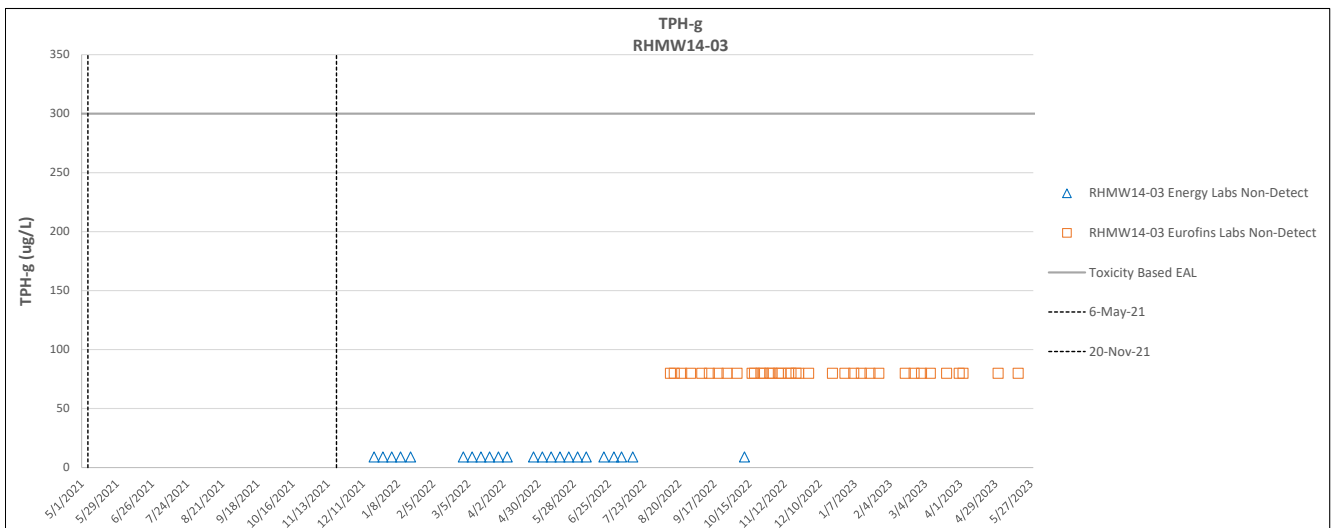
Notes:
¹ Sample collected 12/11/2021 was reanalyzed due to inconsistency with historic trends and suspected container switch. Reanalysis results were inconclusive and original results were reported.

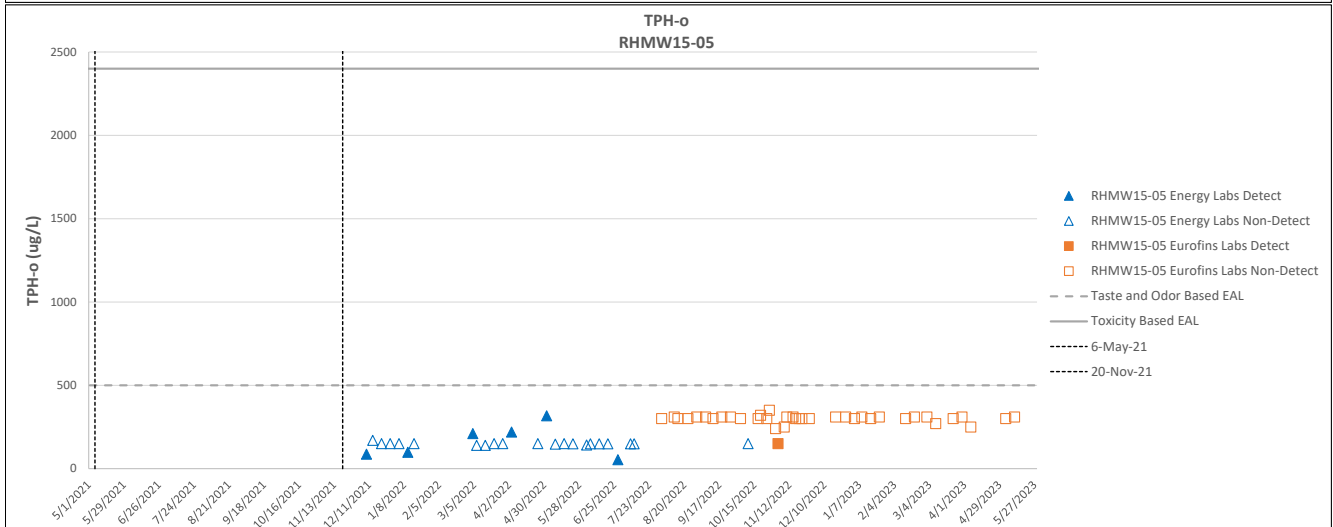
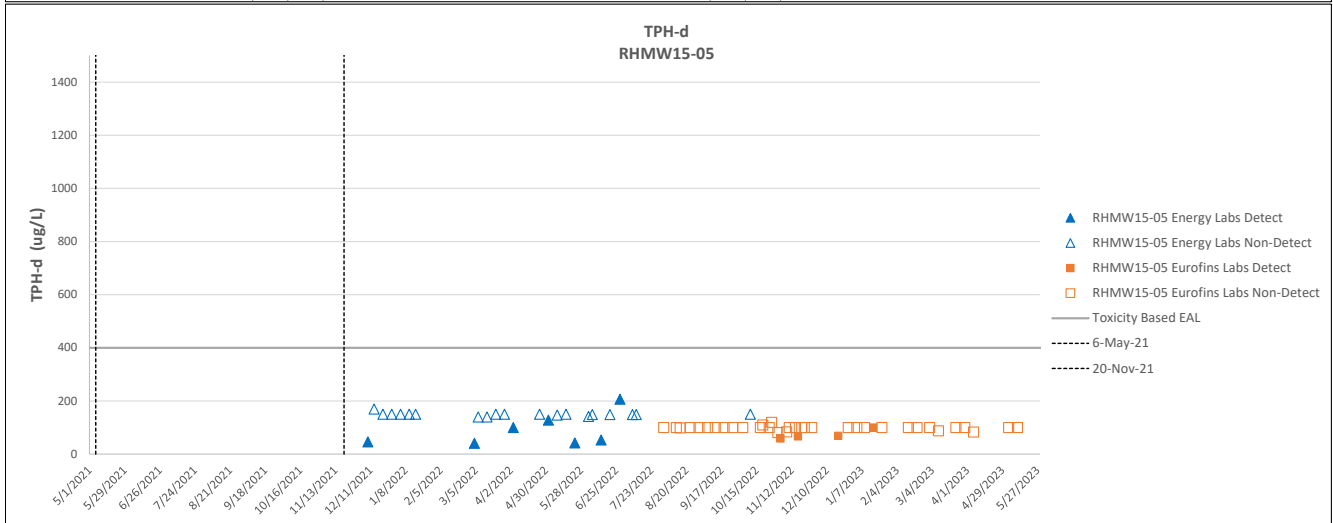
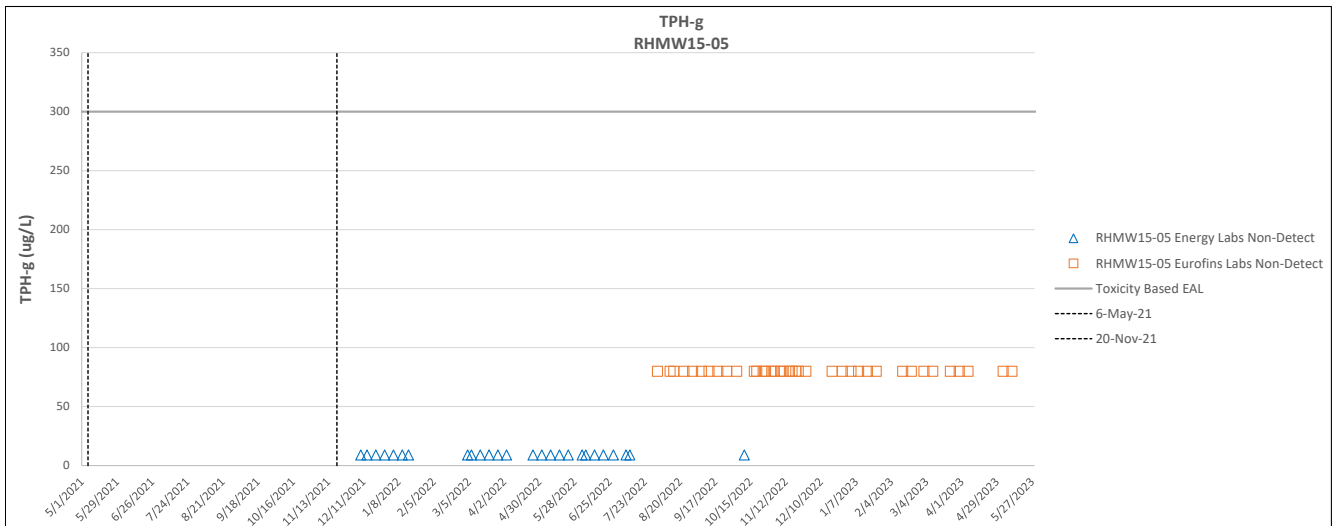




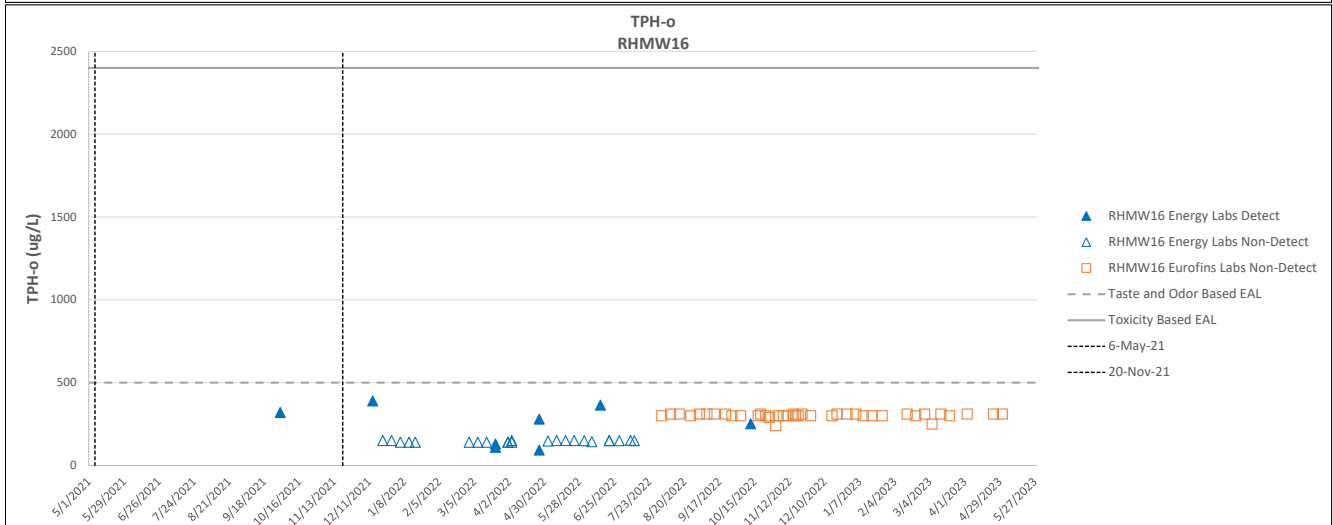
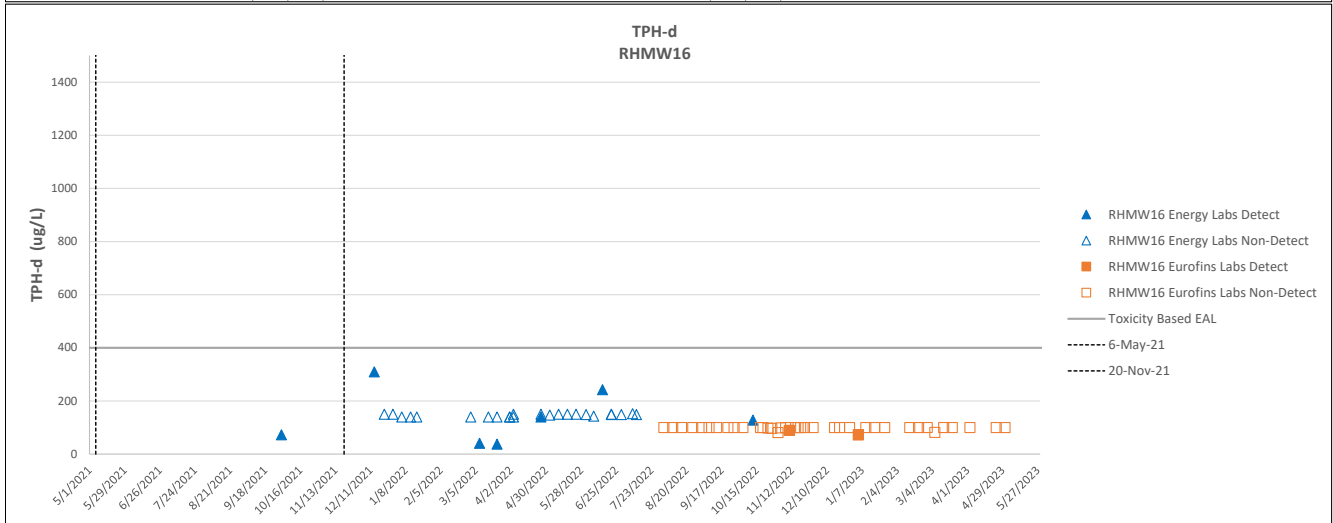
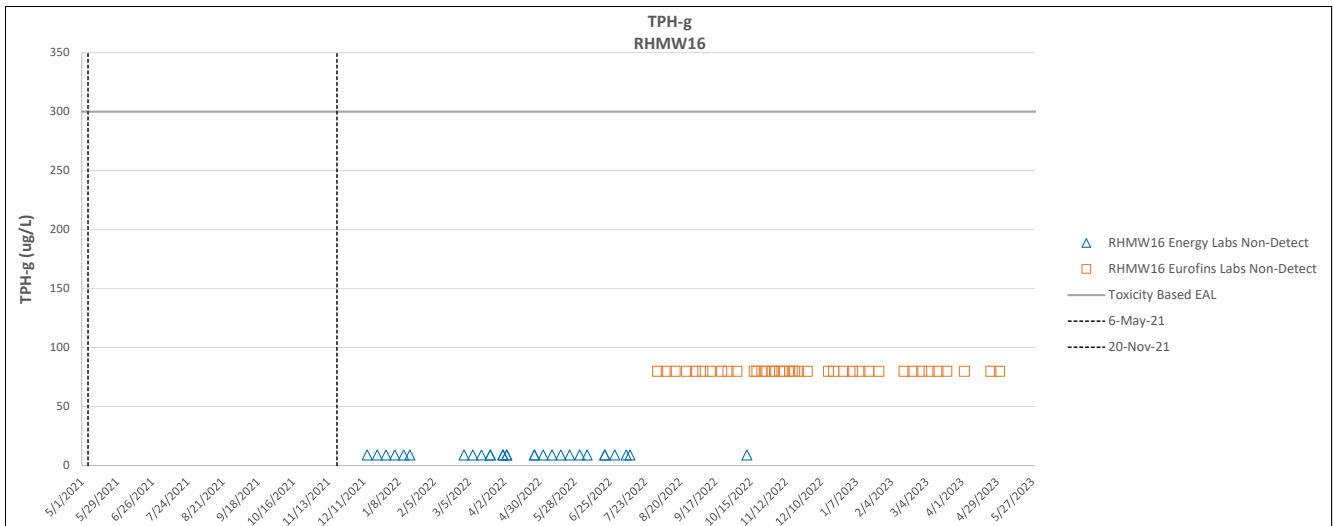


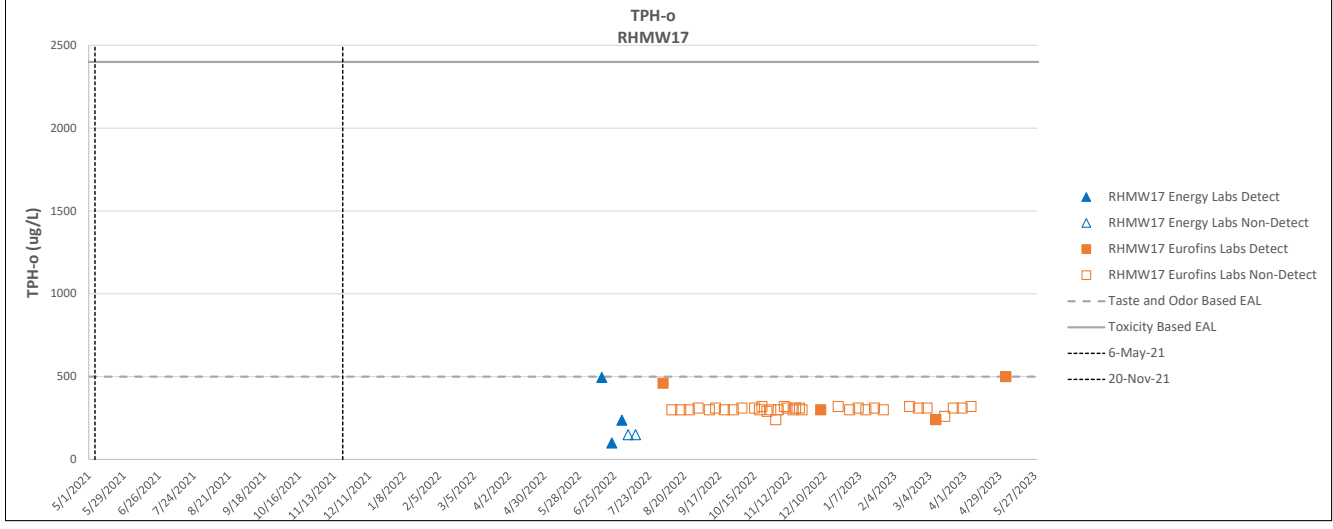
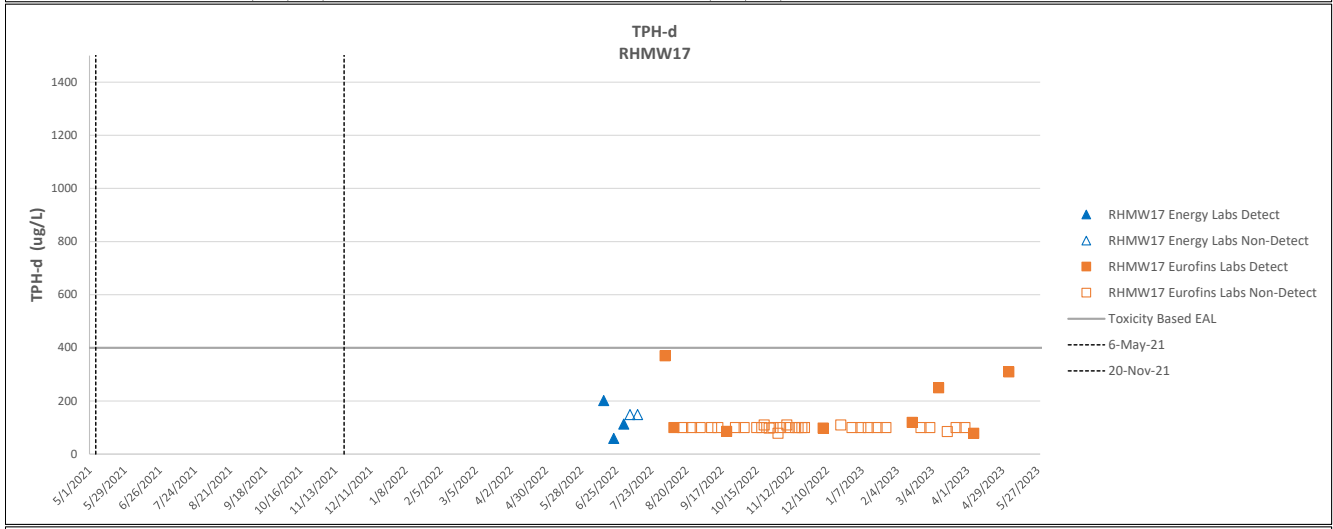
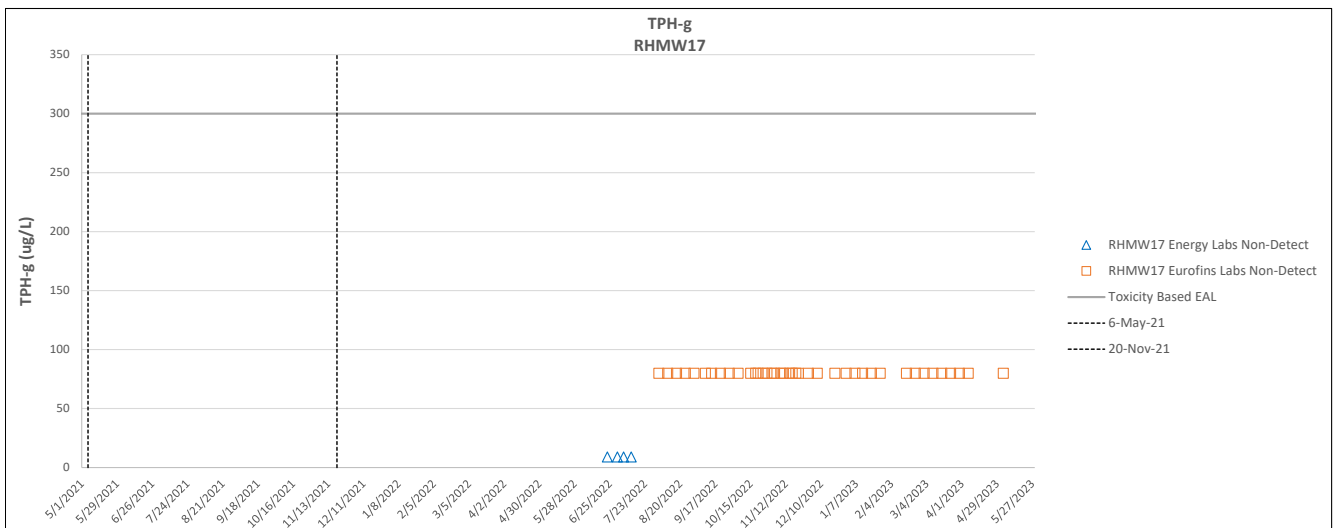


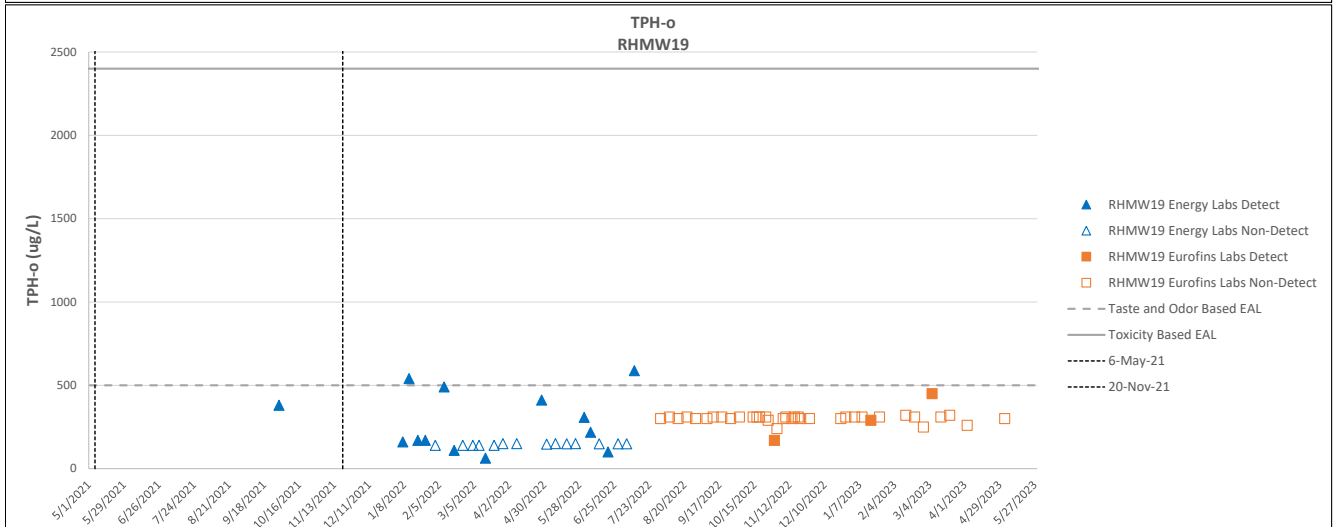
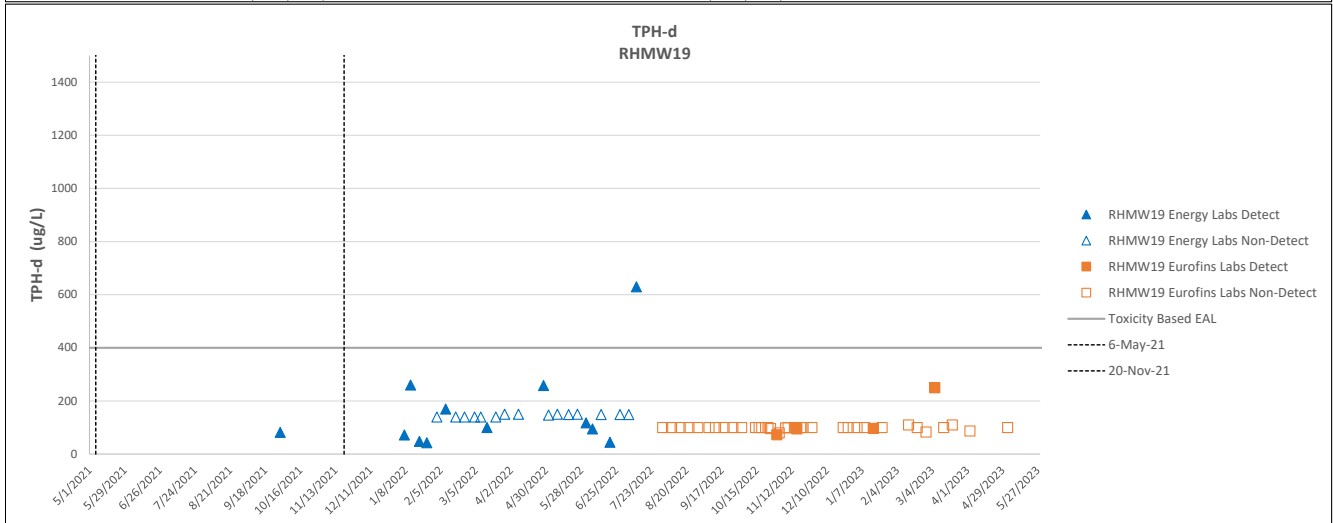
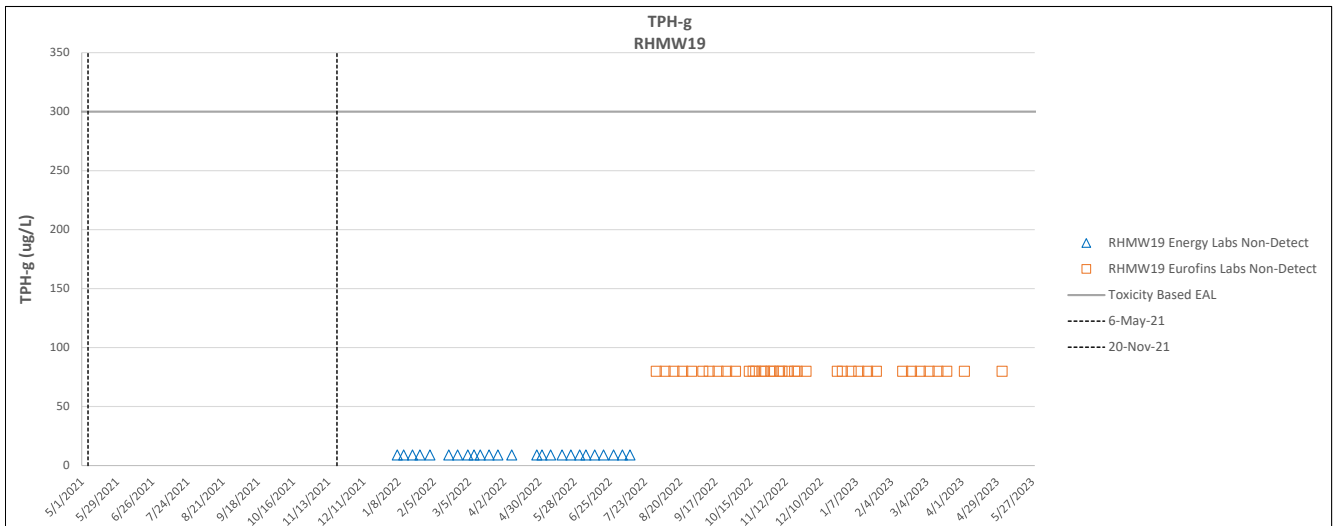


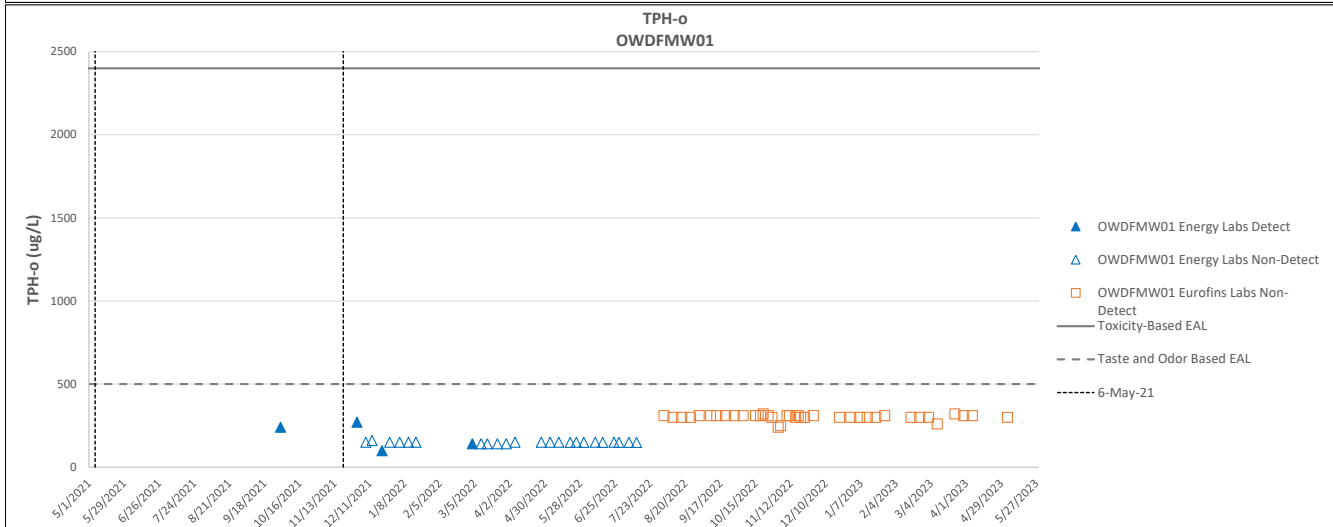
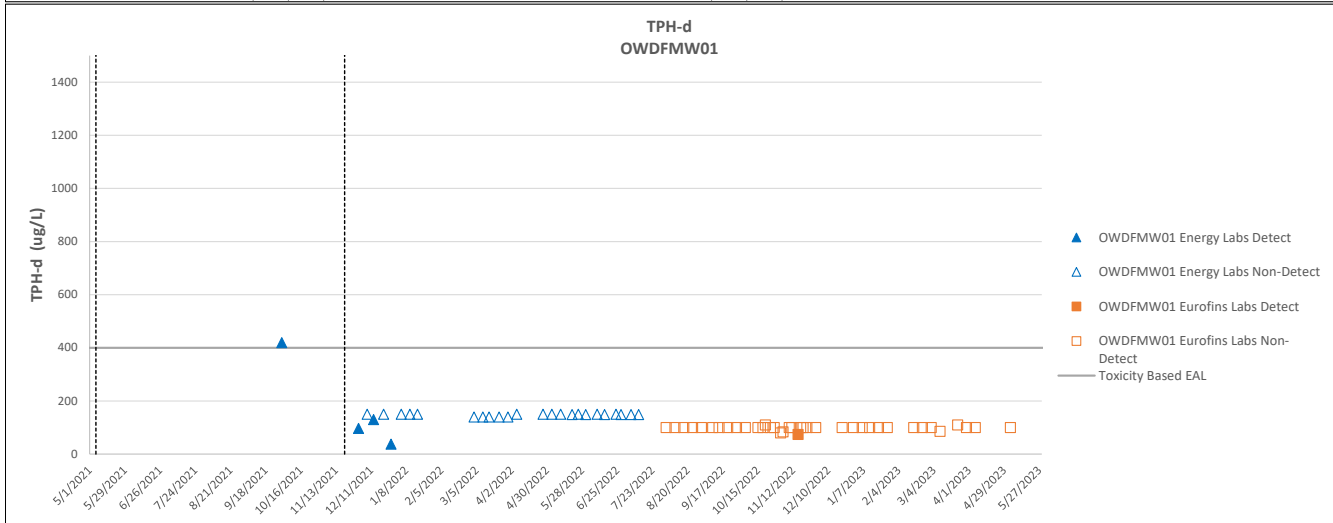
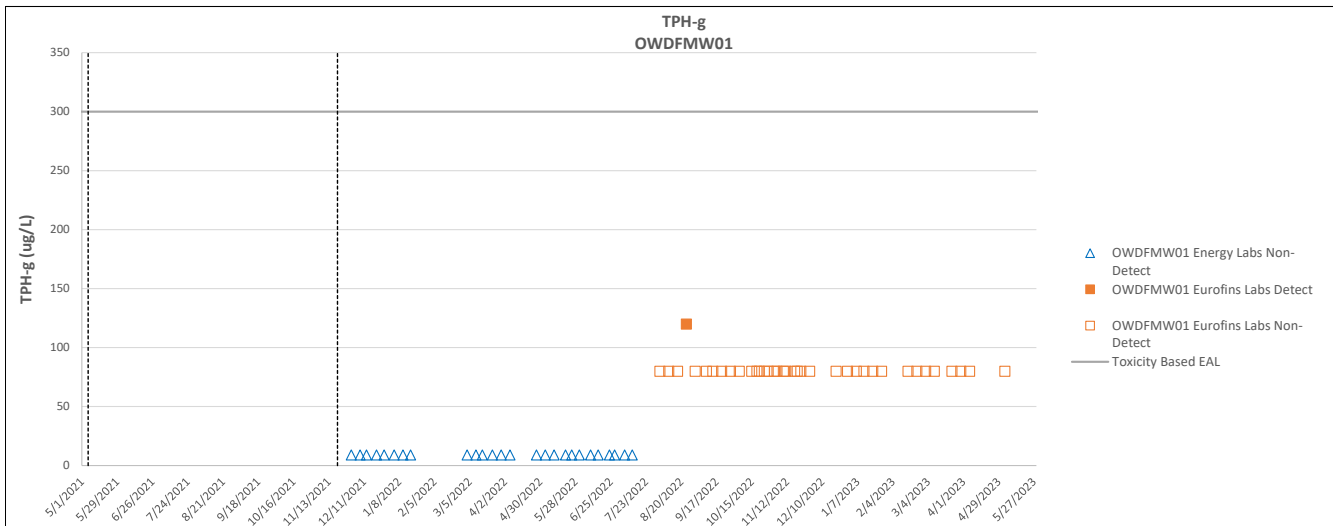


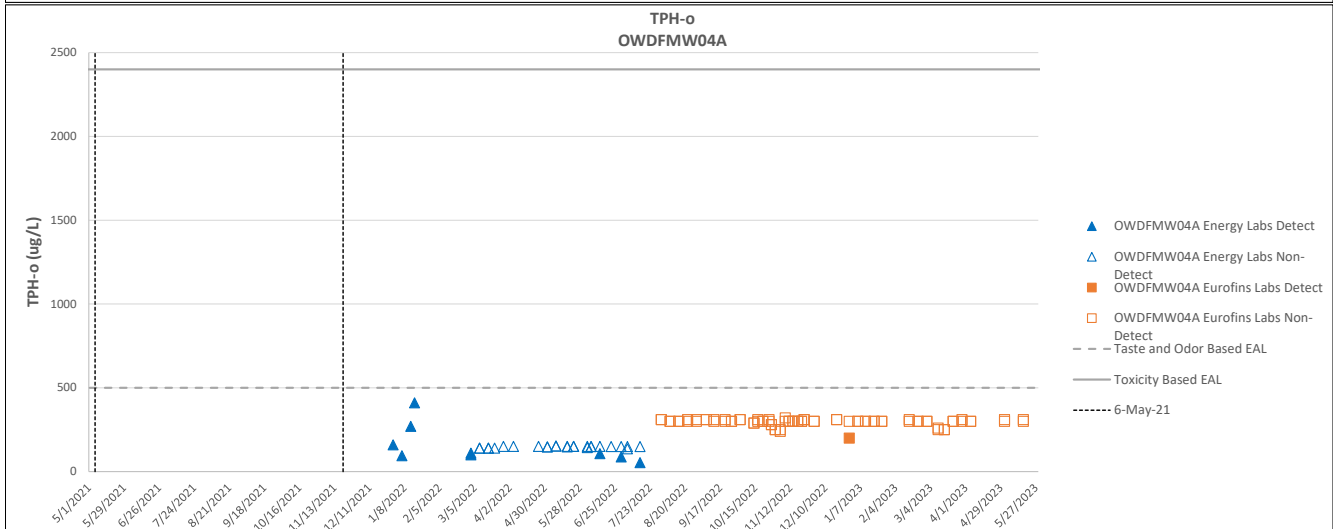
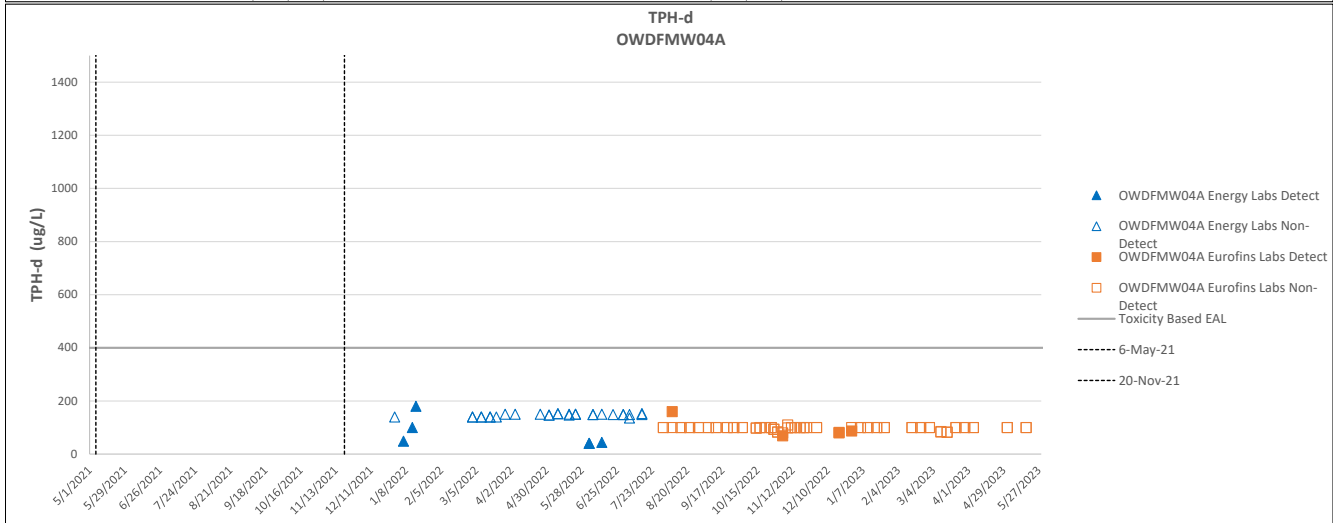
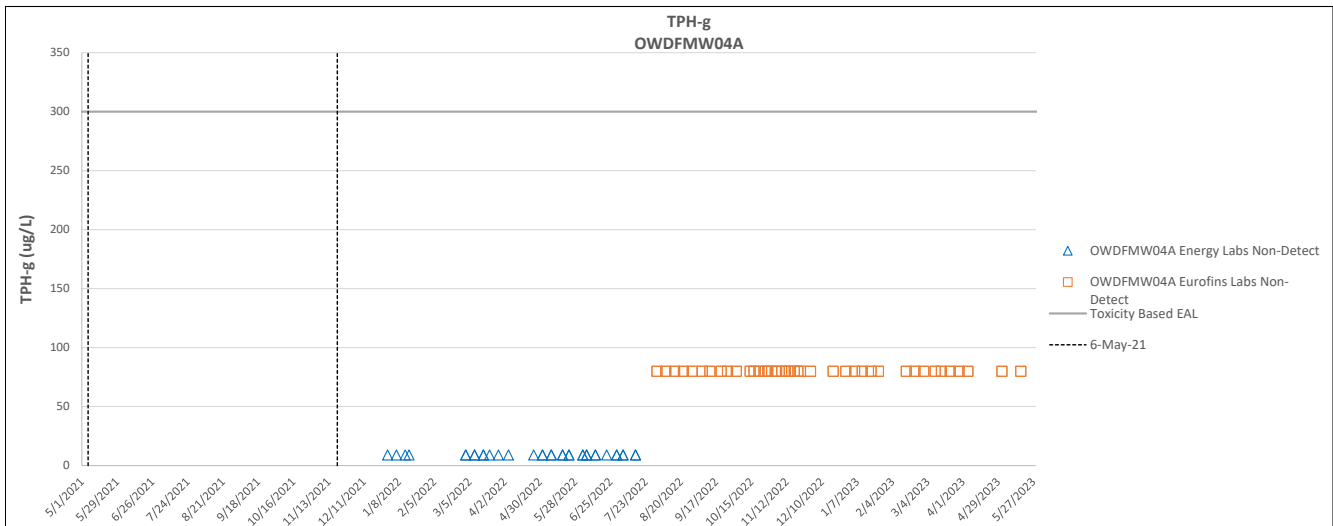
Notes:
¹ Sample collected 12/2/2021 was reanalyzed due to inconsistency with historic trends and suspected container switch. Reanalysis results were inconclusive and original results were reported.

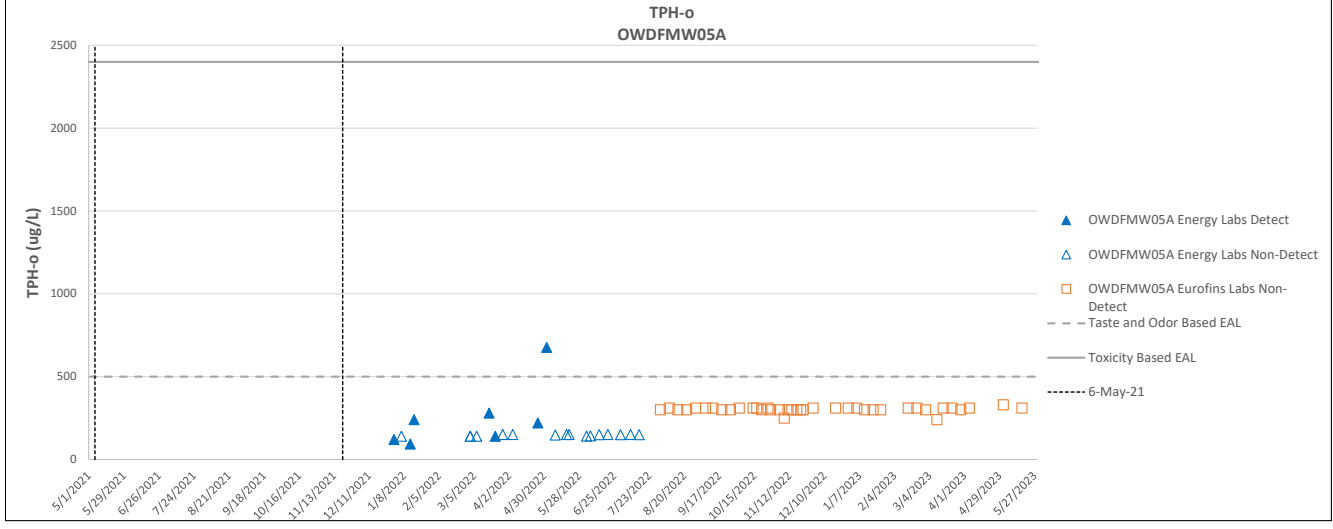
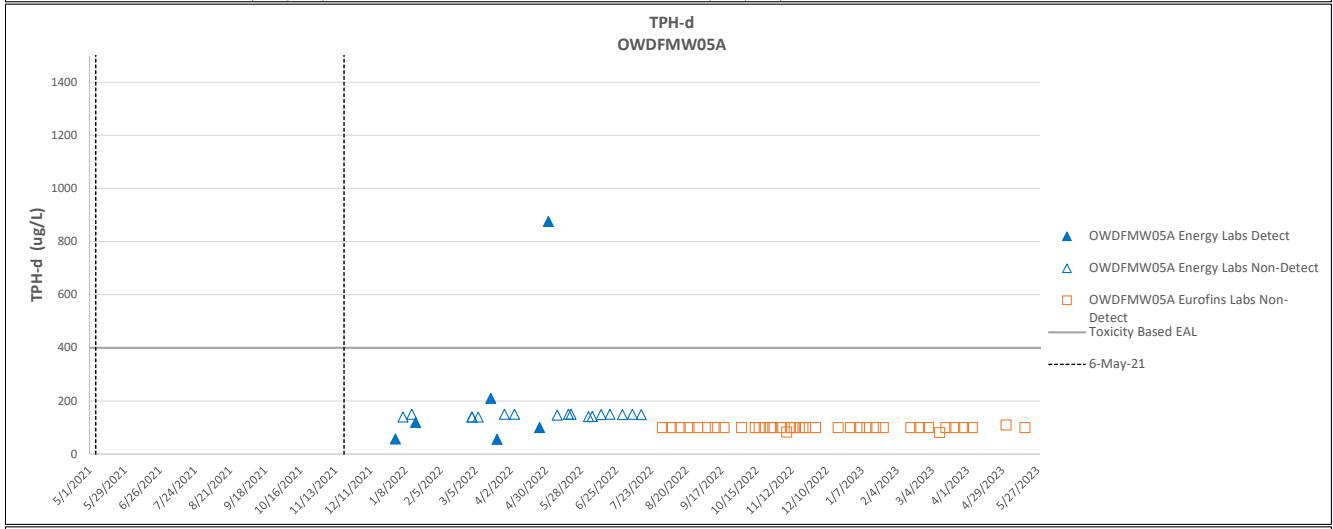
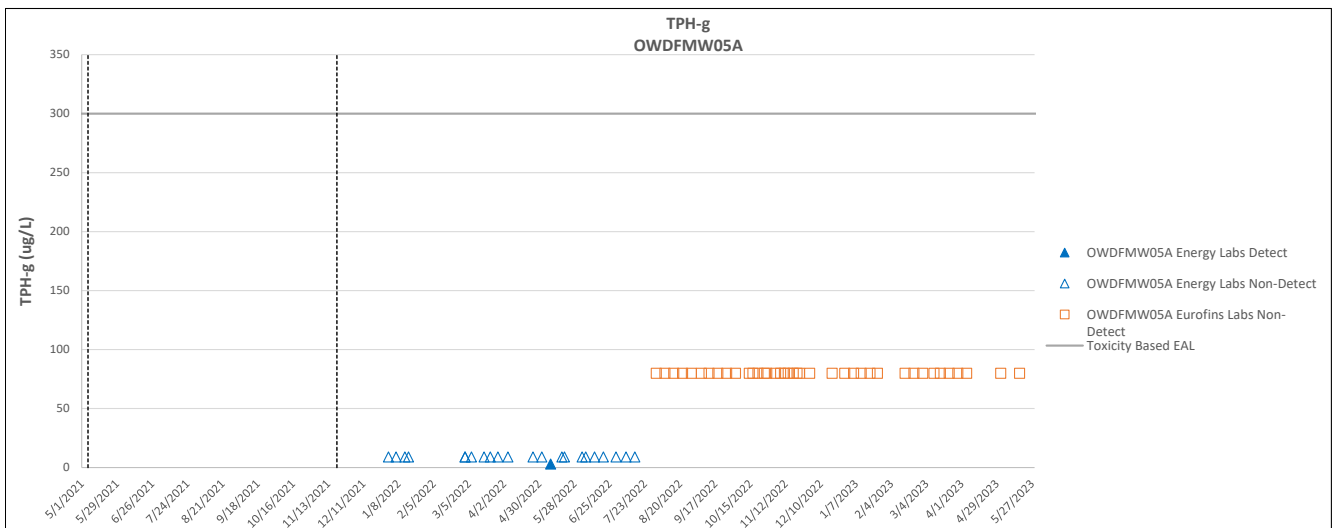


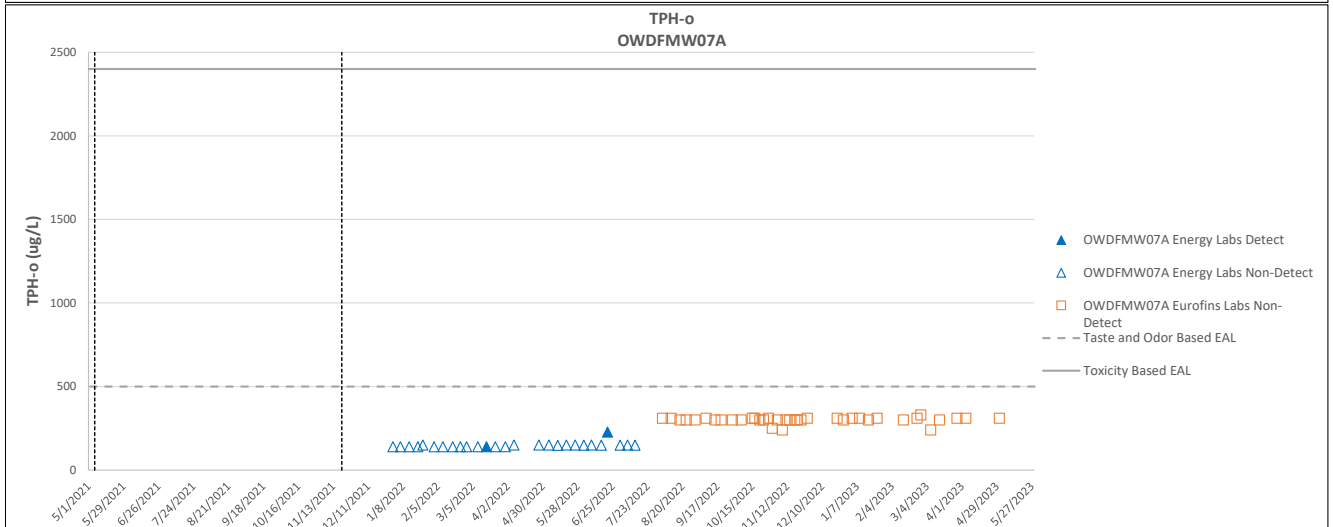
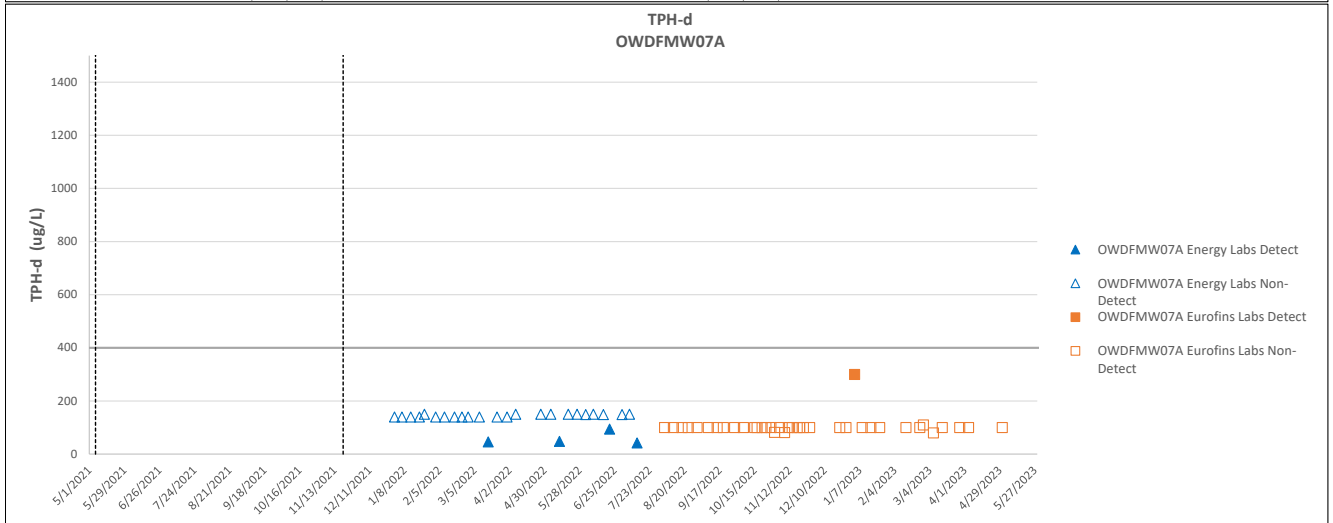
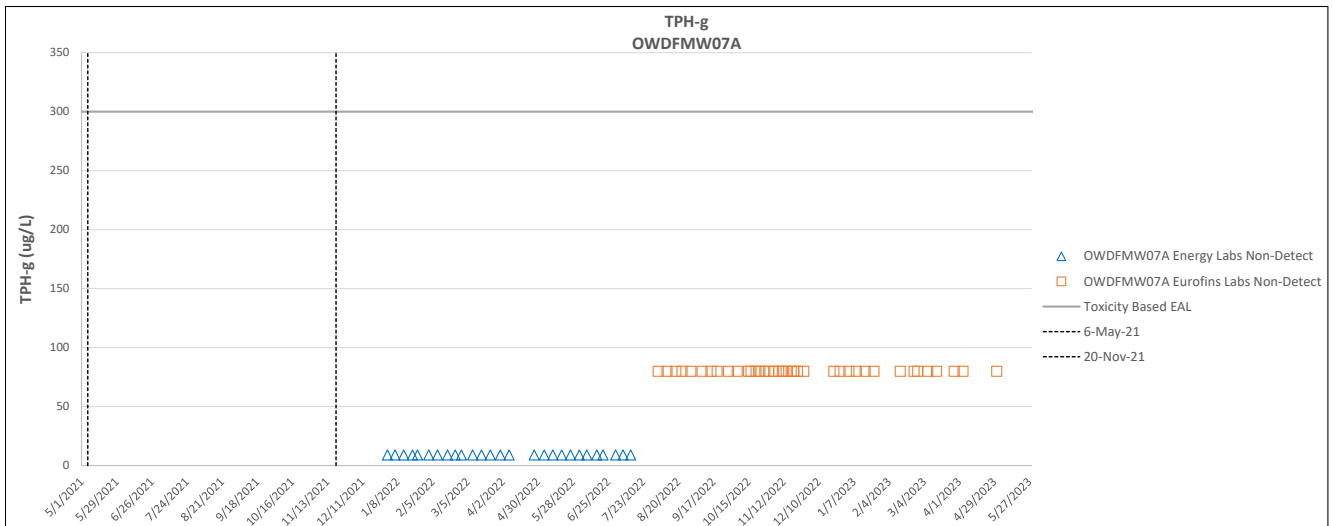


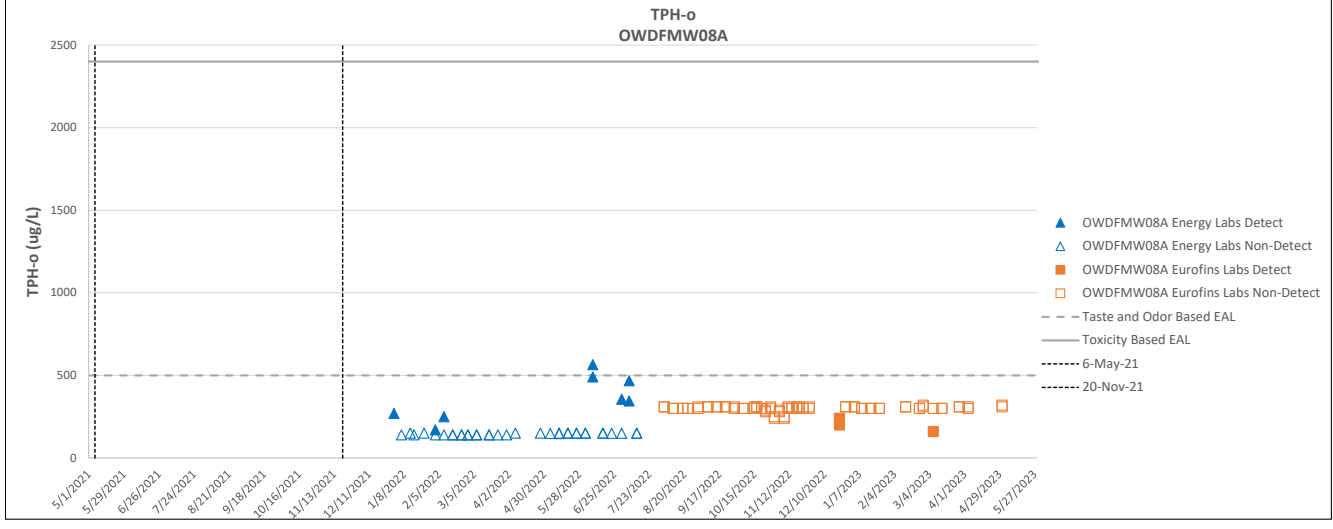
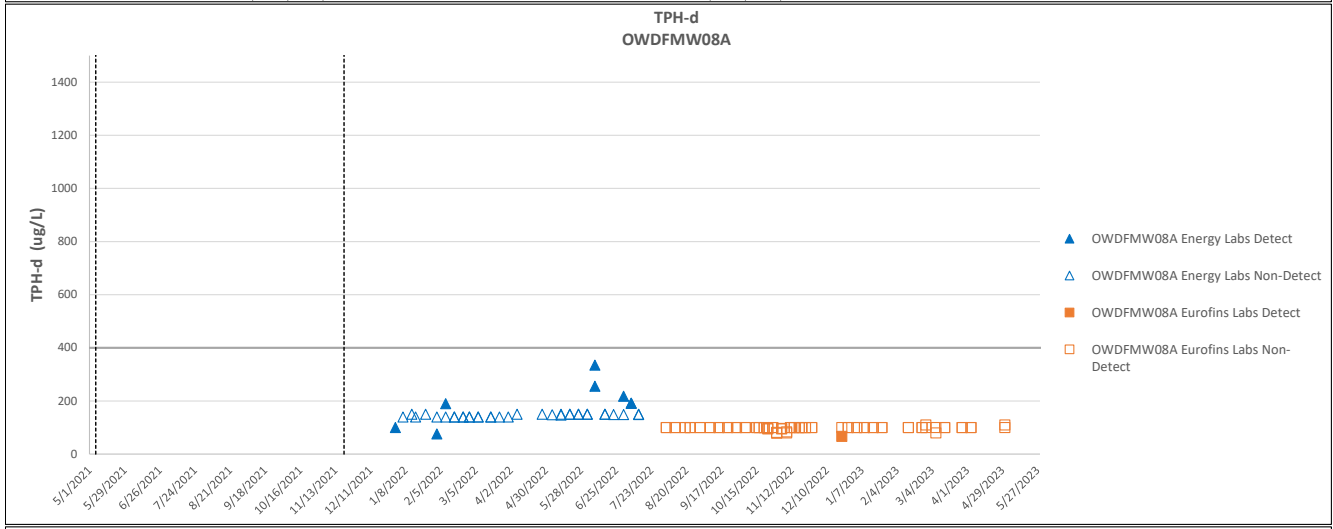
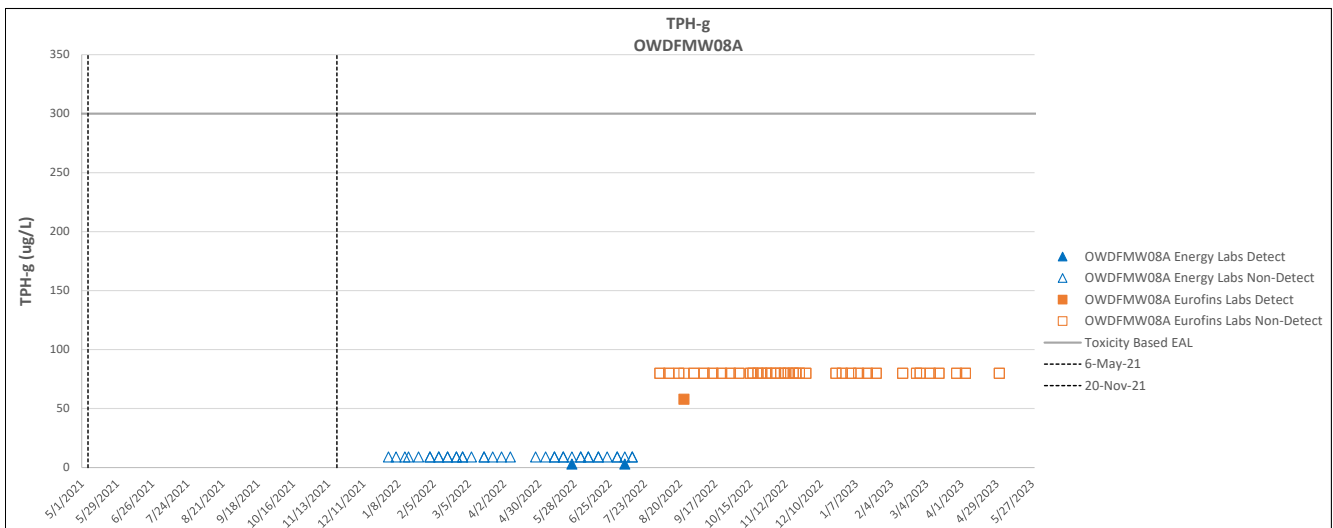


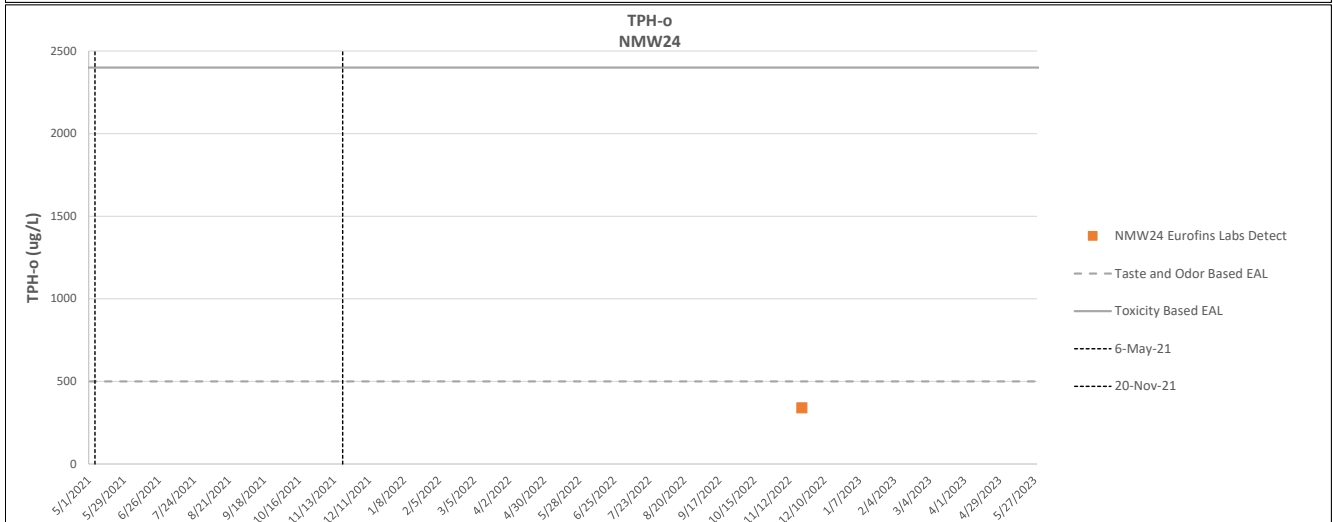
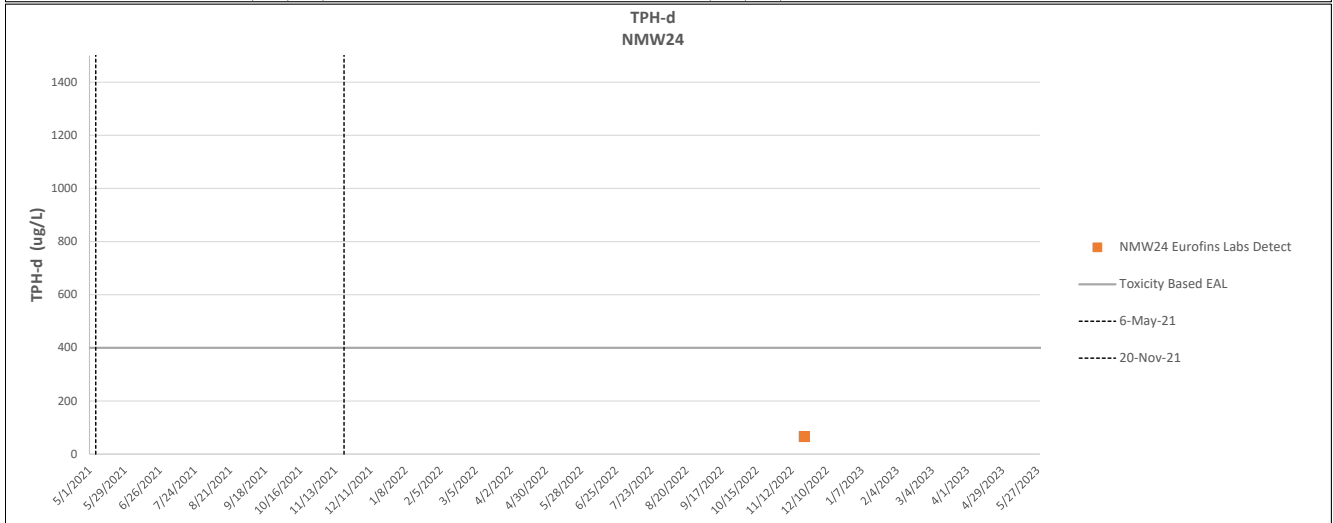
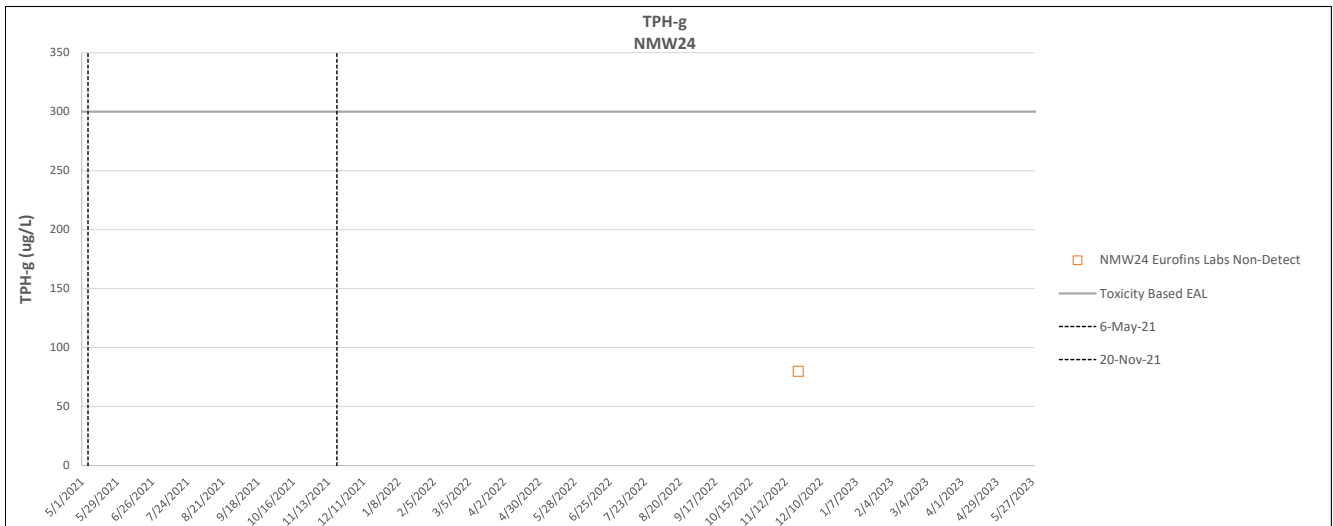


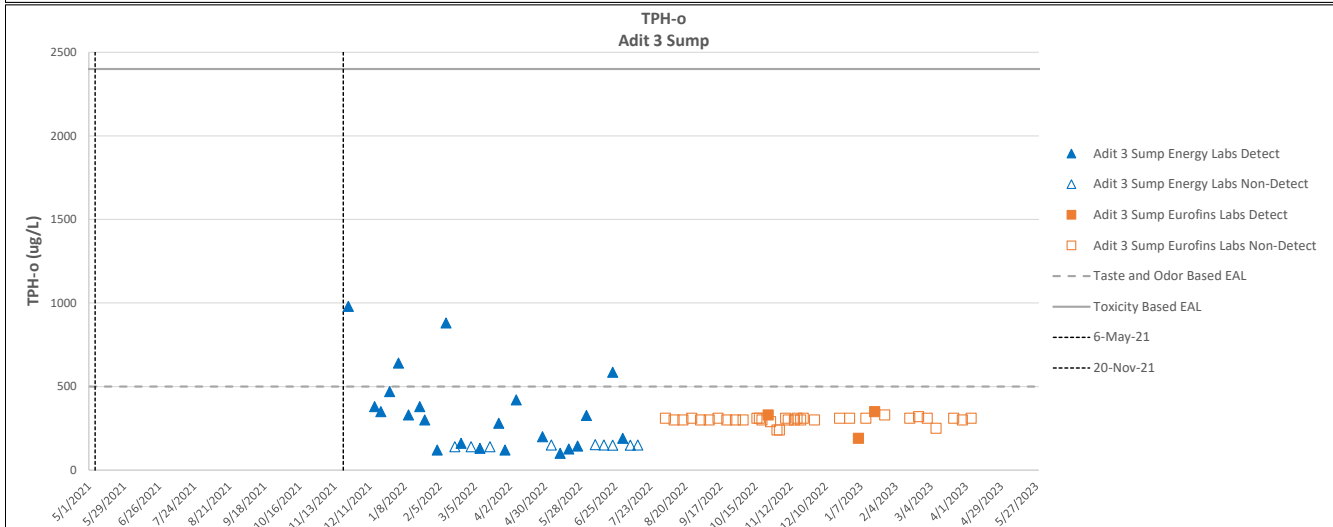
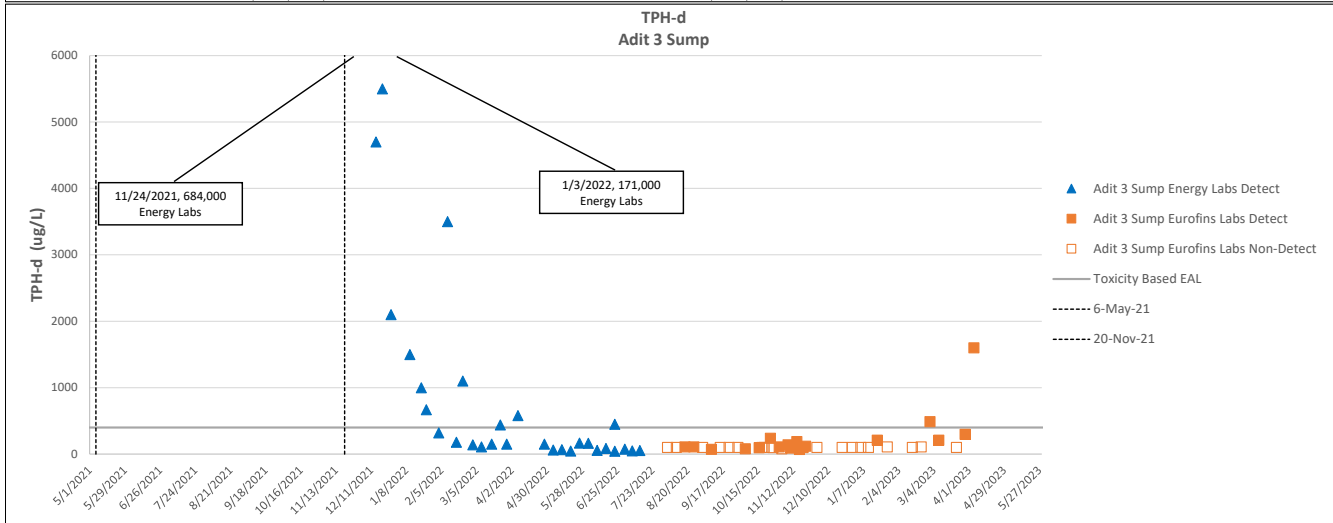
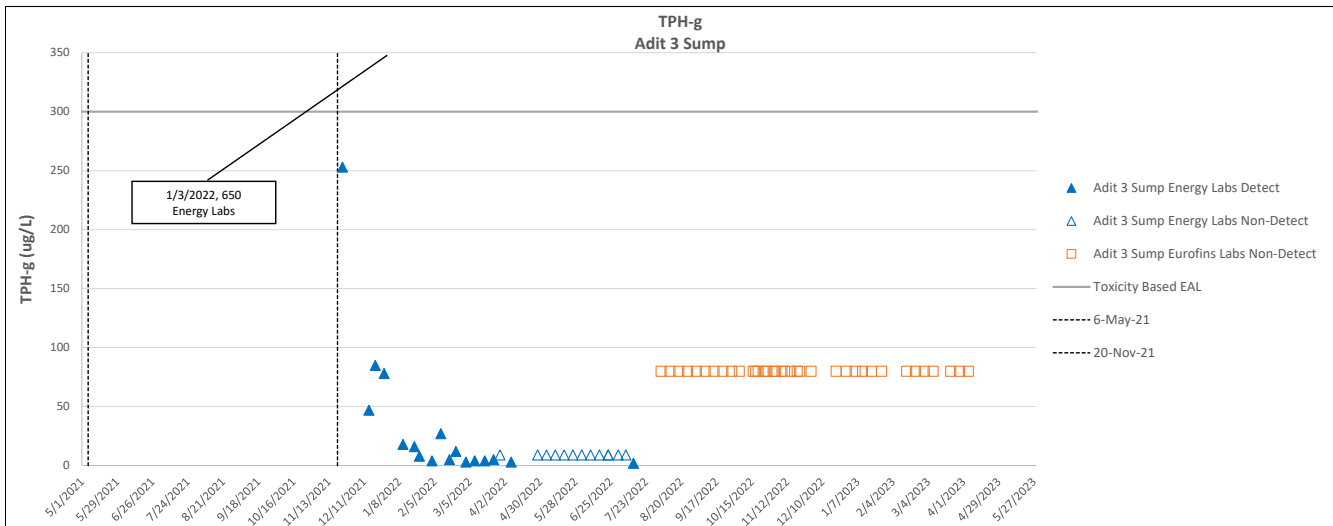












Notes:
¹ Sample collected on 12/20/2021 was reanalyzed due to inconsistency with historic trend and suspected container switch. Reanalysis results reported.

Appendix B.4.6 – Delineation Well and Sentinel Well Analytical Results

Appendix B.4.6
 Red Hill Bulk Fuel Storage Facility
 Delineation and Sentinel Wells
 Groundwater Sampling: All Wells

Analyte							TPH-g		TPH-d		TPH-o		TPH-d with Silica Gel Cleanup		TPH-o with Silica Gel Cleanup		Benzene		Ethylbenzene		Toluene		m+p-Xylenes		o-Xylene		Xylenes	
CAS No.							PHCC6C10		PHCC10C24		PHCC24C40		PHCC10C24SGC		PHCC24C40SGC		71-43-2		100-41-4		108-88-3		179601-23-1		95-47-6		1330-20-7	
Method							8260		8015		8015		8015		8015		8260		8260		8260		8260		8260		8260	
DOH Tier 1 EAL							300		400		500		—		—		5		30		40		—		—		20	
Units							µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result	
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2303WK4	2023-03-29	Primary	V	80.0	U	75	UJ	220	UJ	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
NMW24	Low Flow	Eurofins	NMW24-WGFD01LF-2303WK4	2023-03-29	Field Duplicate	V	80.0	U	80	U	240	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK1	2023-04-05	Primary	V	80.0	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK2	2023-04-11	Primary	V	80.0	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK3	2023-04-18	Primary	V	80.0	U	100	UJ	300	UJ	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK4	2023-04-28	Primary	V	80.0	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK1	2023-05-03	Primary	V	80.0	U	95	U	290	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK2	2023-05-10	Primary	V	80.0	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK3	2023-05-17	Primary	V	80.0	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK4	2023-05-24	Primary	V	80.0	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2304WK1	2023-04-07	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP01	Low Flow	Eurofins	RHP01-WGFD01LF-2304WK1	2023-04-07	Field Duplicate	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2304WK3	2023-04-21	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2305WK1	2023-05-05	Primary	V	80	U	98	U	290	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2305WK3	2023-05-19	Primary	V	80	U	100	UJ	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP01	Low Flow	Eurofins	RHP01-WGFD01LF-2305WK3	2023-05-19	Field Duplicate	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2304WK1	2023-04-07	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2304WK3	2023-04-21	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2305WK1	2023-05-05	Primary	V	80	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2305WK3	2023-05-19	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2304WK1	2023-04-07	Primary	V	80	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2304WK3	2023-04-21	Primary	V	80	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2305WK2	2023-05-12	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2305WK3	2023-05-19	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2304WK1	2023-04-07	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2304WK3	2023-04-21	Primary	V	80	U	70	J	310	U	100	U	310	U	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2305WK1	2023-05-05	Primary	V	80	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2305WK3	2023-05-19	Primary	V	80	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2304WK1	2023-04-07	Primary	V	80	U	170		300	U	100	U	300	U	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2304WK3	2023-04-21	Primary	V	80	U	270		220	J	100	U	310	U	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2305WK1	2023-05-05	Primary	V	80	U	240		190	J	97	U	290	U	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2305WK3	2023-05-19	Primary	V	80	U	300		270	J	100	U	310	U	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2303WK4	2023-03-29	Primary	V	80	U	68	J	250	U	84	U	250	U	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2304WK1	2023-04-07	Primary	V	80	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2304WK3	2023-04-21	Primary	V	80	U	82	J	300	U	100	U	300	U	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2305WK1	2023-05-04	Primary	V	80	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2305WK3	2023-05-19	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2304WK1	2023-04-07	Primary	V	80	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2304WK3	2023-04-21	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP05	Low Flow	Eurofins	RHP05-WGFD01LF-2304WK3	2023-04-21	Field Duplicate	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2305WK1	2023-05-05	Primary	V	80	U	98	U	290	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2305WK3	2023-05-19	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2303WK3	2023-03-20	Primary	V	80	U	87	U	260	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2304WK1	2023-04-05	Primary	V	80	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2304WK4	2023-04-28	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2305WK1	2023-05-03	Primary	V	80	U	97	U	290	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP07	Low Flow	Eurofins	RHP07-WGFD01LF-2305WK1	2023-05-03	Field Duplicate	V	80	U	100	U	300	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2305WK3	2023-05-18	Primary	V	80	U	100	U	310	U	-	-	0.5	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U

Notes:
 See Data Legend

Appendix B.4.6
Red Hill Bulk Fuel Storage Facility
Delineation and Sentinel Wells
Groundwater Sampling: All Wells

							Analyte	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Methane	Total Organic Carbon	Alkalinity, Bicarbonate (as CaCO3)	Alkalinity, Carbonate (as CaCO3)	Alkalinity, Total (as CaCO3)	Chloride	Iron, Ferrous	Nitrate (as N)	Nitrate-Nitrite (as N)	Sulfate							
							CAS No.	90-12-0	91-57-6	91-20-3	74-82-8	TOC	ALKB	ALKC	ALK	16887-00-6	15438-31-0	NO3N	NO3NO2N	14808-79-							
							Method	8270 SIM	8270 SIM	8270 SIM	SW8015	-	A2320B	A2320B	A2320B	E300	A3500B	E300	E353.2	E300							
							DOH Tier 1 EAL	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							
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	Result		Result		Result		Result		Result		Result		Result		Result						
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2303WK4	2023-03-29	Primary	V	0.0630	U	0.0630	U	0.310	U	-	-	-	-	-	-	-	-	-	-					
NMW24	Low Flow	Eurofins	NMW24-WGFD01LF-2303WK4	2023-03-29	Field Duplicate	V	0.0660	U	0.0660	U	0.330	U	-	-	-	-	-	-	-	-	-	-					
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK1	2023-04-05	Primary	V	0.0820	U	0.0820	U	0.410	U	-	-	-	-	-	-	-	-	-	-					
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK2	2023-04-11	Primary	V	0.0820	U	0.0820	U	0.410	U	-	-	-	-	-	-	-	-	-	-					
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK3	2023-04-18	Primary	V	0.0820	U	0.0820	U	0.410	U	-	-	-	-	-	-	-	-	-	-					
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK4	2023-04-28	Primary	V	0.0820	U	0.0820	U	0.410	U	-	-	-	-	-	-	-	-	-	-					
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK1	2023-05-03	Primary	V	0.0810	U	0.0810	U	0.400	U	-	-	-	-	-	-	-	-	-	-					
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK2	2023-05-10	Primary	V	0.0830	U	0.0830	U	0.410	U	-	-	-	-	-	-	-	-	-	-					
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK3	2023-05-17	Primary	V	0.0820	U	0.0820	U	0.410	U	-	-	-	-	-	-	-	-	-	-					
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK4	2023-05-24	Primary	V	0.0830	U	0.0830	U	0.420	U	-	-	-	-	-	-	-	-	-	-					
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2304WK1	2023-04-07	Primary	V	0.081	U	0.081	U	0.41	U	-	-	-	-	-	-	-	-	-	-					
RHP01	Low Flow	Eurofins	RHP01-WGFD01LF-2304WK1	2023-04-07	Field Duplicate	V	0.082	U	0.082	U	0.41	U	-	-	-	-	-	-	-	-	-	-					
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2304WK3	2023-04-21	Primary	V	0.087	U	0.087	U	0.44	U	-	-	-	-	-	-	-	-	-	-					
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2305WK1	2023-05-05	Primary	V	0.077	U	0.077	U	0.39	U	-	-	-	-	-	-	-	-	-	-					
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2305WK3	2023-05-19	Primary	V	0.081	U	0.081	U	0.4	U	-	-	-	-	-	-	-	-	-	-					
RHP01	Low Flow	Eurofins	RHP01-WGFD01LF-2305WK3	2023-05-19	Field Duplicate	V	0.081	U	0.081	U	0.41	U	-	-	-	-	-	-	-	-	-	-					
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2304WK1	2023-04-07	Primary	V	0.082	U	0.082	U	0.41	U	-	-	-	-	-	-	-	-	-	-					
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2304WK3	2023-04-21	Primary	V	0.084	U	0.084	U	0.42	U	-	-	-	-	-	-	-	-	-	-					
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2305WK1	2023-05-05	Primary	V	0.08	U	0.08	U	0.4	U	-	-	-	-	-	-	-	-	-	-					
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2305WK3	2023-05-19	Primary	V	0.082	U	0.082	U	0.41	U	-	-	-	-	-	-	-	-	-	-					
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2304WK1	2023-04-07	Primary	V	0.08	U	0.08	U	0.4	U	-	-	-	-	-	-	-	-	-	-					
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2304WK3	2023-04-21	Primary	V	0.083	U	0.083	U	0.42	U	-	-	-	-	-	-	-	-	-	-					
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2305WK2	2023-05-12	Primary	V	0.082	U	0.082	U	0.41	U	-	-	-	-	-	-	-	-	-	-					
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2305WK3	2023-05-19	Primary	V	0.082	U	0.082	U	0.41	U	-	-	-	-	-	-	-	-	-	-					
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2304WK1	2023-04-07	Primary	V	0.081	U	0.081	U	0.4	U	-	-	-	-	-	-	-	-	-	-					
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2304WK3	2023-04-21	Primary	V	0.08	U	0.08	U	0.4	U	-	-	-	-	-	-	-	-	-	-					
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2305WK1	2023-05-05	Primary	V	0.078	U	0.078	U	0.39	U	-	-	-	-	-	-	-	-	-	-					
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2305WK3	2023-05-19	Primary	V	0.082	U	0.082	U	0.41	U	-	-	-	-	-	-	-	-	-	-					
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2304WK1	2023-04-07	Primary	V	0.081	U	0.081	U	0.4	U	-	-	-	-	-	-	-	-	-	-					
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2304WK3	2023-04-21	Primary	V	0.081	U	0.081	U	0.4	U	-	-	-	-	-	-	-	-	-	-					
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2305WK1	2023-05-05	Primary	V	0.077	U	0.077	U	0.38	U	-	-	-	-	-	-	-	-	-	-					
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2305WK3	2023-05-19	Primary	V	0.082	U	0.082	U	0.41	U	-	-	-	-	-	-	-	-	-	-					
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2303WK4	2023-03-29	Primary	V	0.069	U	0.069	U	0.34	U	1.3	U	2800	84000	7000	U	84000	330000	310	J-	120	U	80	U	150000
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2304WK1	2023-04-07	Primary	V	0.082	U	0.082	U	0.41	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2304WK3	2023-04-21	Primary	V	0.081	U	0.081	U	0.41	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2305WK1	2023-05-04	Primary	V	0.077	U	0.077	U	0.39	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2305WK3	2023-05-19	Primary	V	0.084	U	0.084	U	0.42	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2304WK1	2023-04-07	Primary	V	0.081	U	0.081	U	0.4	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2304WK3	2023-04-21	Primary	V	0.082	U	0.082	U	0.41	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP05	Low Flow	Eurofins	RHP05-WGFD01LF-2304WK3	2023-04-21	Field Duplicate	V	0.083	U	0.083	U	0.41	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2305WK1	2023-05-05	Primary	V	0.08	U	0.08	U	0.4	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2305WK3	2023-05-19	Primary	V	0.082	U	0.082	U	0.41	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2303WK3	2023-03-20	Primary	V	0.065	U	0.065	U	0.32	U	1.3	U	890	J	110000	7000	U	110000	94000	50	U	1500	1600	45000	
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2304WK1	2023-04-05	Primary	V	0.081	U	0.081	U	0.4	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2304WK4	2023-04-28	Primary	V	0.082	U	0.082	U	0.41	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2305WK1	2023-05-03	Primary	V	0.076	U	0.076	U	0.38	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP07	Low Flow	Eurofins	RHP07-WGFD01LF-2305WK1	2023-05-03	Field Duplicate	V	0.08	U	0.08	U	0.4	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2305WK3	2023-05-18	Primary	V	0.086	U	0.086	U	0.43	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
See Data Legend

Appendix B.4.6
 Red Hill Bulk Fuel Storage Facility
 Delineation and Sentinel Wells
 Groundwater Sampling: All Wells

							Analyte
							CAS No. 8
							Method
							DOH Tier 1 EAL
							Units
Location	Sampling Method	Lab	Sample ID	Sampling Date	Type	Result Status	
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2303WK4	2023-03-29	Primary	V	
NMW24	Low Flow	Eurofins	NMW24-WGFD01LF-2303WK4	2023-03-29	Field Duplicate	V	
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK1	2023-04-05	Primary	V	
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK2	2023-04-11	Primary	V	
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK3	2023-04-18	Primary	V	
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2304WK4	2023-04-28	Primary	V	
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK1	2023-05-03	Primary	V	
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK2	2023-05-10	Primary	V	
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK3	2023-05-17	Primary	V	
NMW24	Low Flow	Eurofins	NMW24-WGN01LF-2305WK4	2023-05-24	Primary	V	
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2304WK1	2023-04-07	Primary	V	
RHP01	Low Flow	Eurofins	RHP01-WGFD01LF-2304WK1	2023-04-07	Field Duplicate	V	
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2304WK3	2023-04-21	Primary	V	
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2305WK1	2023-05-05	Primary	V	
RHP01	Low Flow	Eurofins	RHP01-WGN01LF-2305WK3	2023-05-19	Primary	V	
RHP01	Low Flow	Eurofins	RHP01-WGFD01LF-2305WK3	2023-05-19	Field Duplicate	V	
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2304WK1	2023-04-07	Primary	V	
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2304WK3	2023-04-21	Primary	V	
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2305WK1	2023-05-05	Primary	V	
RHP02	Low Flow	Eurofins	RHP02-WGN01LF-2305WK3	2023-05-19	Primary	V	
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2304WK1	2023-04-07	Primary	V	
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2304WK3	2023-04-21	Primary	V	
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2305WK2	2023-05-12	Primary	V	
RHP03	Low Flow	Eurofins	RHP03-WGN01LF-2305WK3	2023-05-19	Primary	V	
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2304WK1	2023-04-07	Primary	V	
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2304WK3	2023-04-21	Primary	V	
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2305WK1	2023-05-05	Primary	V	
RHP04A	Low Flow	Eurofins	RHP04A-WGN01LF-2305WK3	2023-05-19	Primary	V	
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2304WK1	2023-04-07	Primary	V	
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2304WK3	2023-04-21	Primary	V	
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2305WK1	2023-05-05	Primary	V	
RHP04B	Bailer	Eurofins	RHP04B-WGN01LF-2305WK3	2023-05-19	Primary	V	
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2303WK4	2023-03-29	Primary	V	
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2304WK1	2023-04-07	Primary	V	
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2304WK3	2023-04-21	Primary	V	
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2305WK1	2023-05-04	Primary	V	
RHP04C	Low Flow	Eurofins	RHP04C-WGN01LF-2305WK3	2023-05-19	Primary	V	
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2304WK1	2023-04-07	Primary	V	
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2304WK3	2023-04-21	Primary	V	
RHP05	Low Flow	Eurofins	RHP05-WGFD01LF-2304WK3	2023-04-21	Field Duplicate	V	
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2305WK1	2023-05-05	Primary	V	
RHP05	Low Flow	Eurofins	RHP05-WGN01LF-2305WK3	2023-05-19	Primary	V	
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2303WK3	2023-03-20	Primary	V	
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2304WK1	2023-04-05	Primary	V	
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2304WK4	2023-04-28	Primary	V	
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2305WK1	2023-05-03	Primary	V	
RHP07	Low Flow	Eurofins	RHP07-WGFD01LF-2305WK1	2023-05-03	Field Duplicate	V	
RHP07	Low Flow	Eurofins	RHP07-WGN01LF-2305WK3	2023-05-18	Primary	V	

Notes:
 See Data Legend

Appendix B.5 – Groundwater Monitoring Chromatograms through July 14, 2023

Location: **RHMW2254-01** Sample ID: RHMW2254-01-WGN01B-2301WK1 Sample Date: 1/5/2023
Lab: Eurofins Seattle

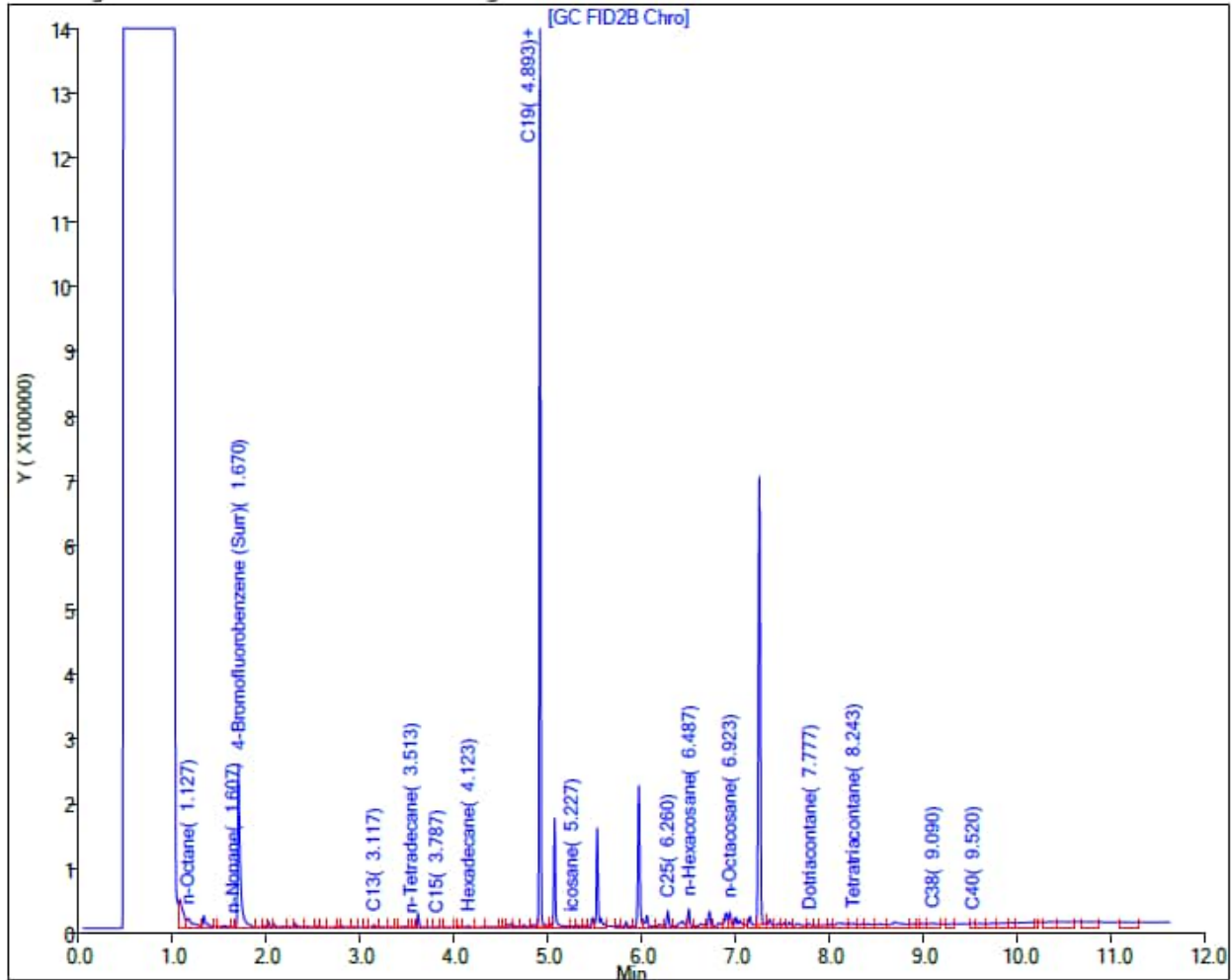
Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 16-Jan-2023 11:28:39

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230114-86670.b\011423A025.D
Injection Date: 14-Jan-2023 18:47:43 Instrument ID: TAC129_R
Lims ID: 580-121948-O-5-A Lab Sample ID: 580-121948-5
Client ID: RHMW2254-01-WGN01B-2301WK1
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: **RHMW2254-01** Sample ID: RHMW2254-01-WGN01LF-2301WK1 Sample Date: 1/5/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <110 UJ**

TPH-o (C24 to C40) <320 UJ

Report Date: 16-Jan-2023 11:28:52

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Data File: Eurofins Seattle

Injection Date: 14-Jan-2023 19:25:09 Instrument ID: TAC129_R

Lims ID: 580-121948-O-8-A

Lab Sample ID: 580-121948-8

Client ID: RHMW2254-01-WGN01LF-2301WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 14

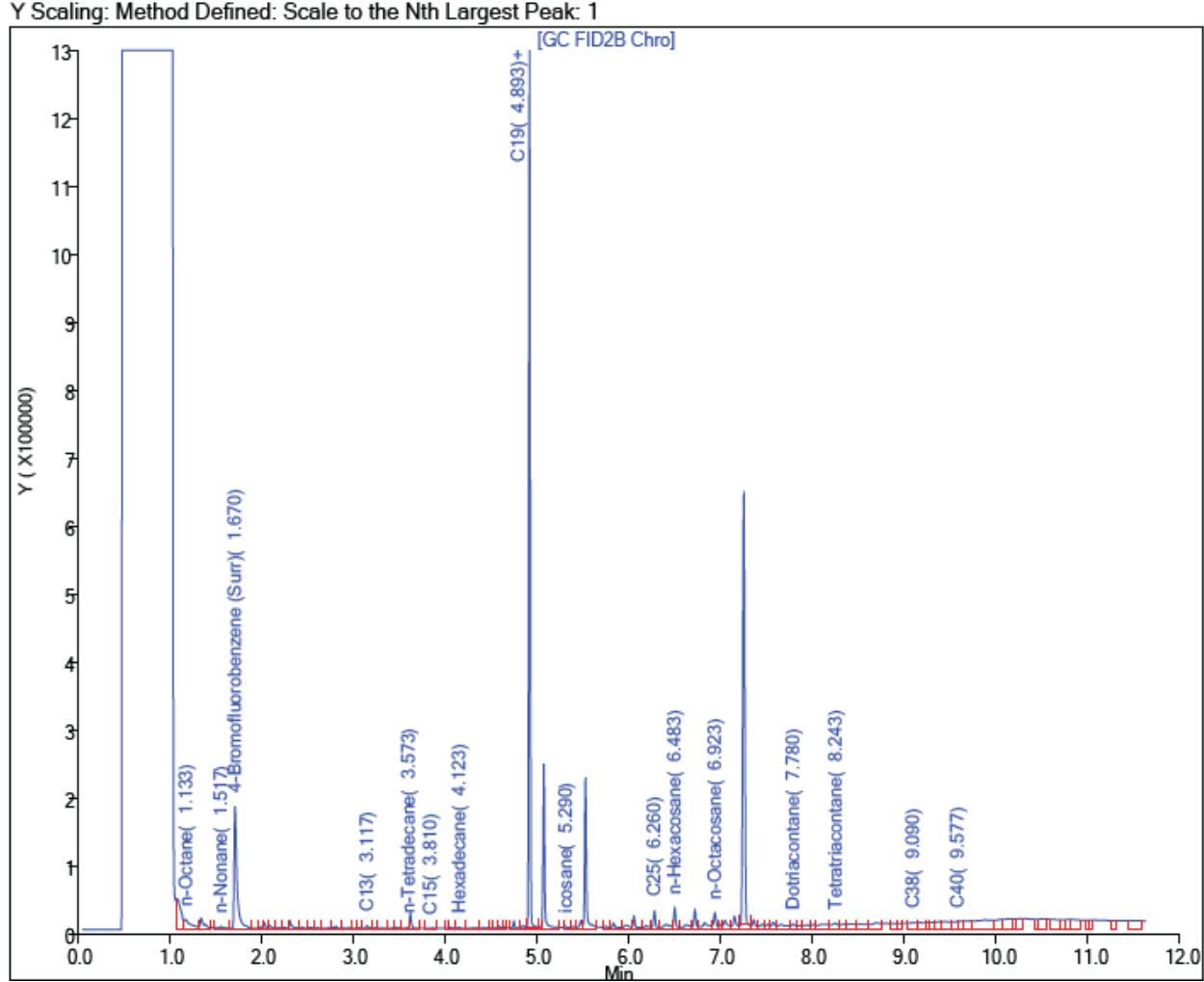
Injection Vol: 1.0 ul

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: **RHMW2254-01** Sample ID: RHMW2254-01-WGN01B-2303WK1 Sample Date: 3/8/2023
Lab: Eurofins Seattle

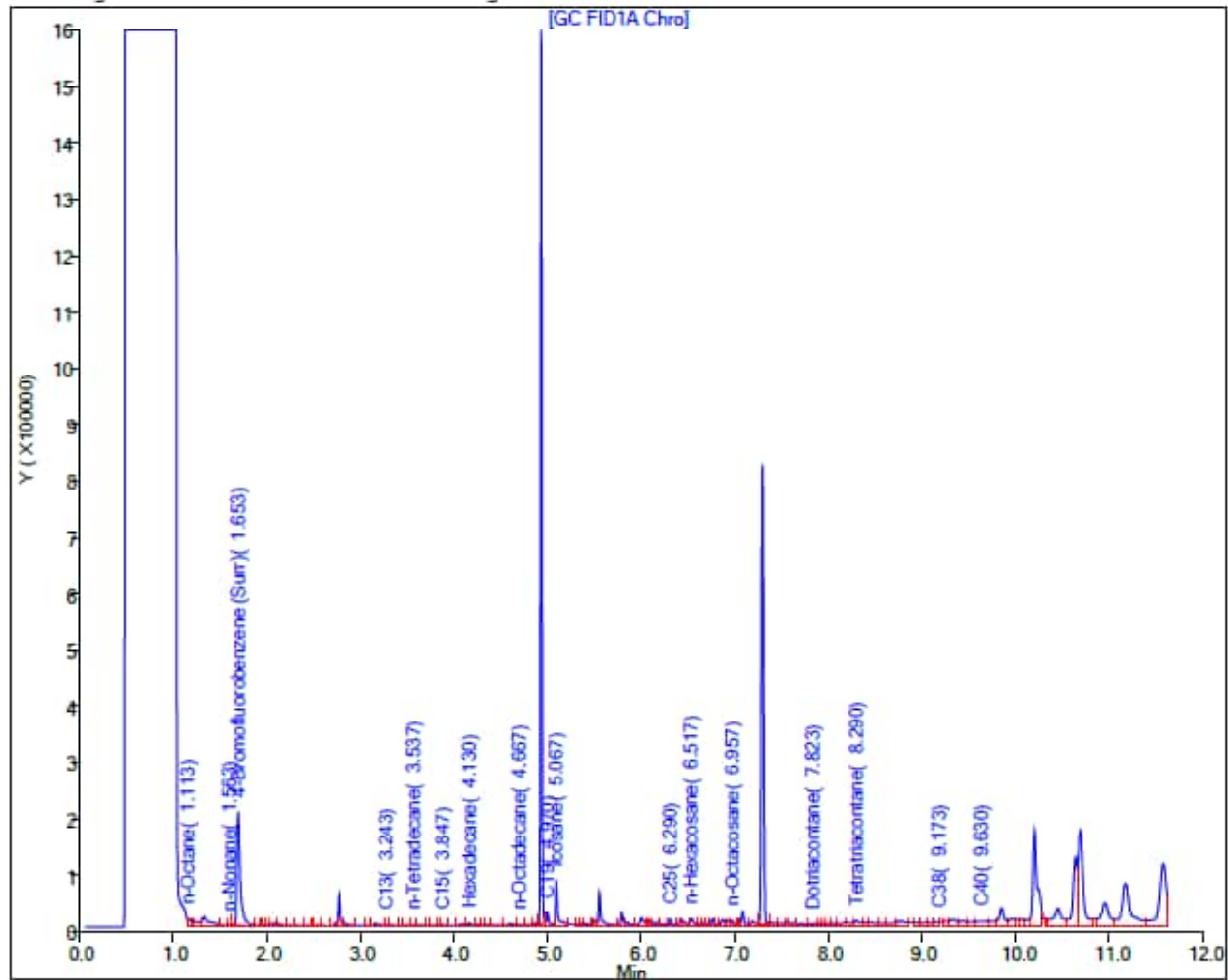
Results (ug/L): **TPH-d (C10 to C24) <77 U**

TPH-o (C24 to C40) <230 U

Report Date: 15-Mar-2023 08:14:26

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230314-87488.b\031423B078.D
Injection Date: 14-Mar-2023 23:55:59 Instrument ID: TAC129
Lims ID: 580-124557-O-3-A Lab Sample ID: 580-124557-3
Client ID: RHMW2254-01-WGN01B-2303WK1
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: **RHMW2254-01** Sample ID: RHMW2254-01-WGN01LF-2303WK1 Sample Date: 3/8/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <95 U

TPH-o (C24 to C40) <280 U

Report Date: 15-Mar-2023 08:14:23

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129\20230314-87488.b\031423B076.D

Injection Date: 14-Mar-2023 23:37:28 Instrument ID: TAC129

Lims ID: 580-124557-O-1-A Lab Sample ID: 580-124557-1

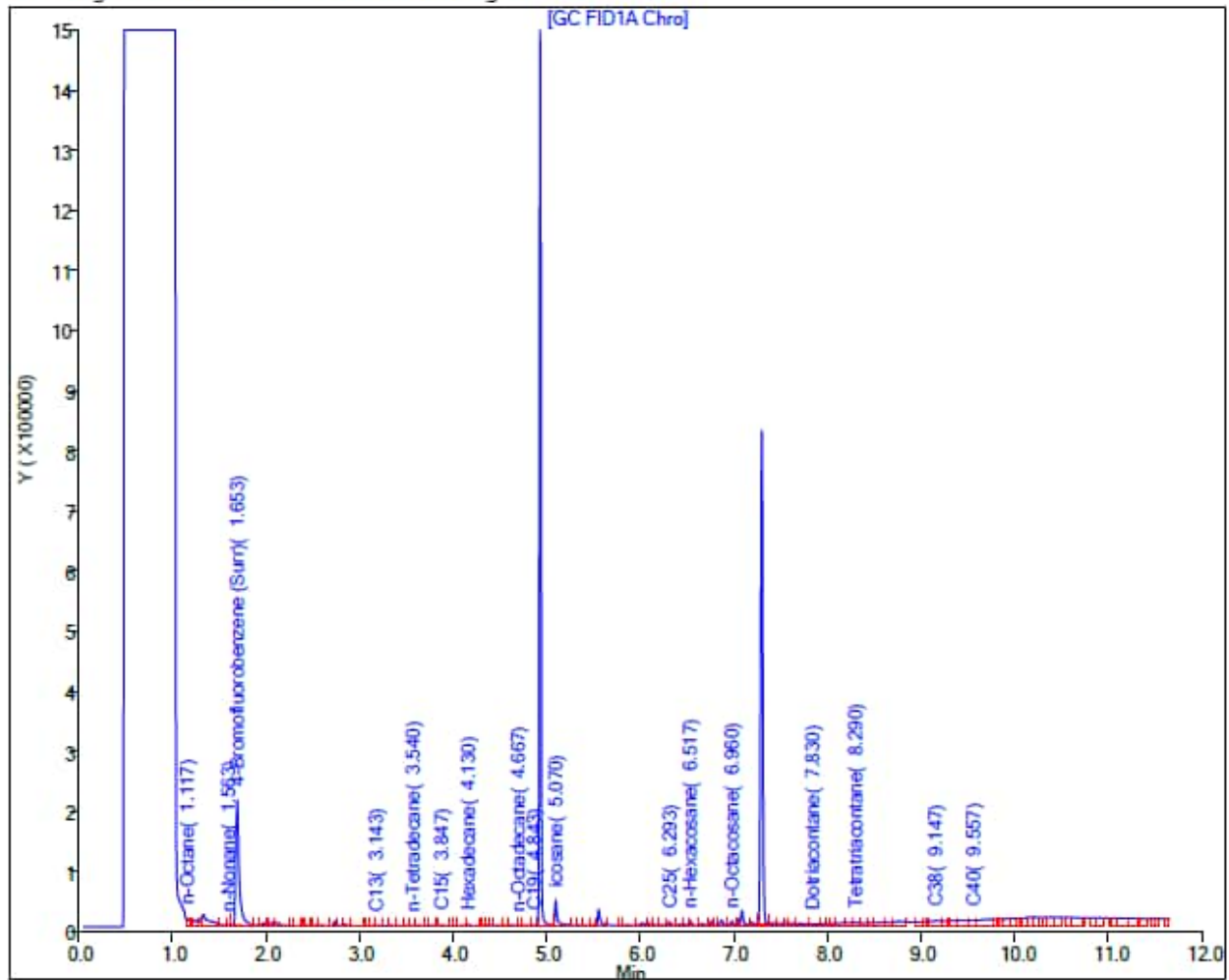
Client ID: RHMW2254-01-WGN01LF-2303WK1

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: **RHMW2254-01** Sample ID: RHMW2254-01-WGN01B-2303WK3 Sample Date: 3/22/2023
Lab: Eurofins Seattle

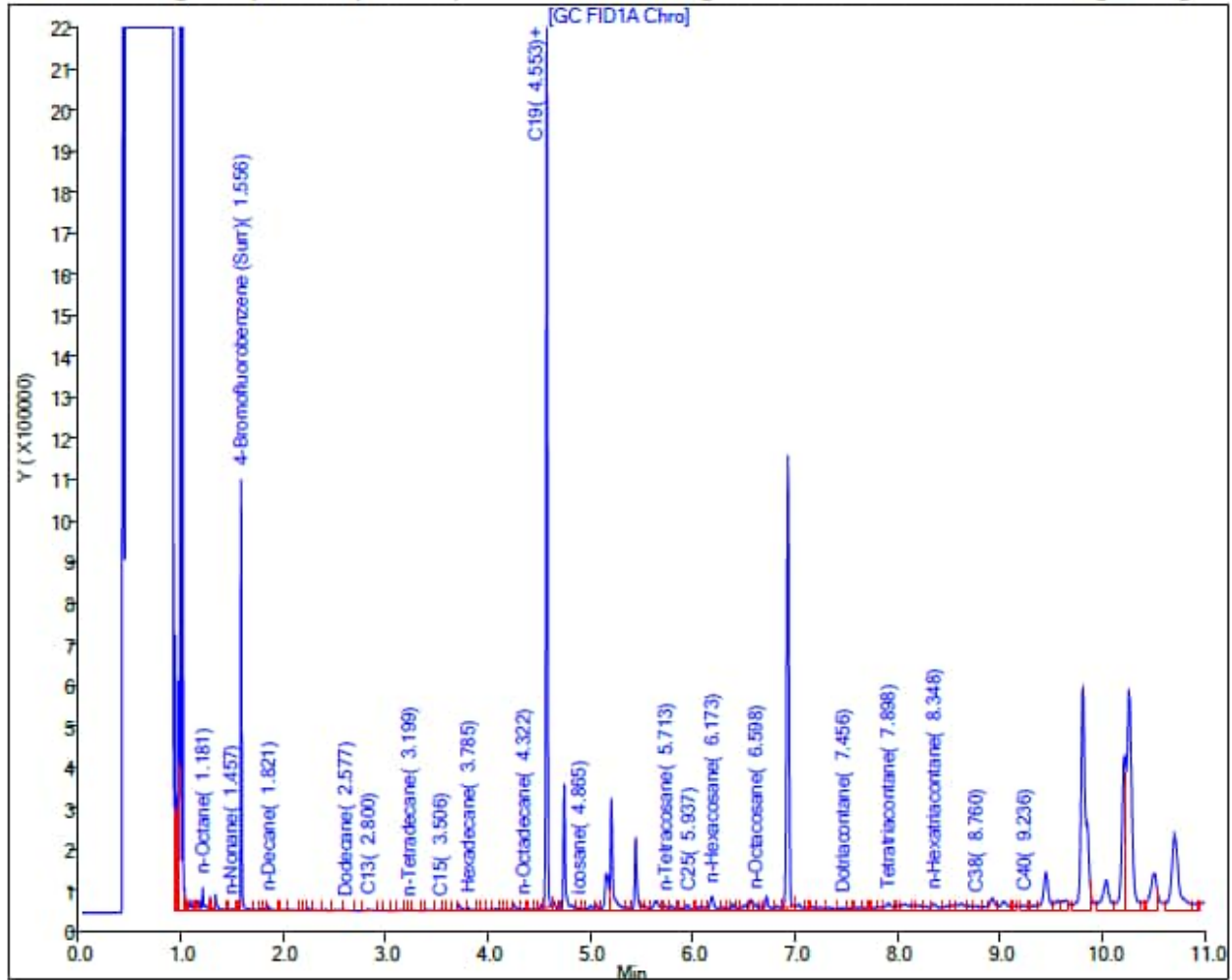
Results (ug/L): **TPH-d (C10 to C24) 93 J**

TPH-o (C24 to C40) <300 U

Report Date: 31-Mar-2023 09:24:21

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230330-87724.b\033023A040.D
Injection Date: 30-Mar-2023 23:54:51 Instrument ID: TAC020
Lims ID: 580-125128-N-3-A Lab Sample ID: 580-125128-3
Client ID: RHMW2254-01-WGN01B-2303WK3
Operator ID: KW 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) <300 U

Report Date: 04-Apr-2023 10:31:41

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230403-87763.b\040323A050.D

Injection Date: 04-Apr-2023 02:51:34

Instrument ID: TAC020

Lims ID: 580-125128-N-3-B

Lab Sample ID: 580-125128-3

Client ID: RHMW2254-01-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 50

Injection Vol: 1.0 ul

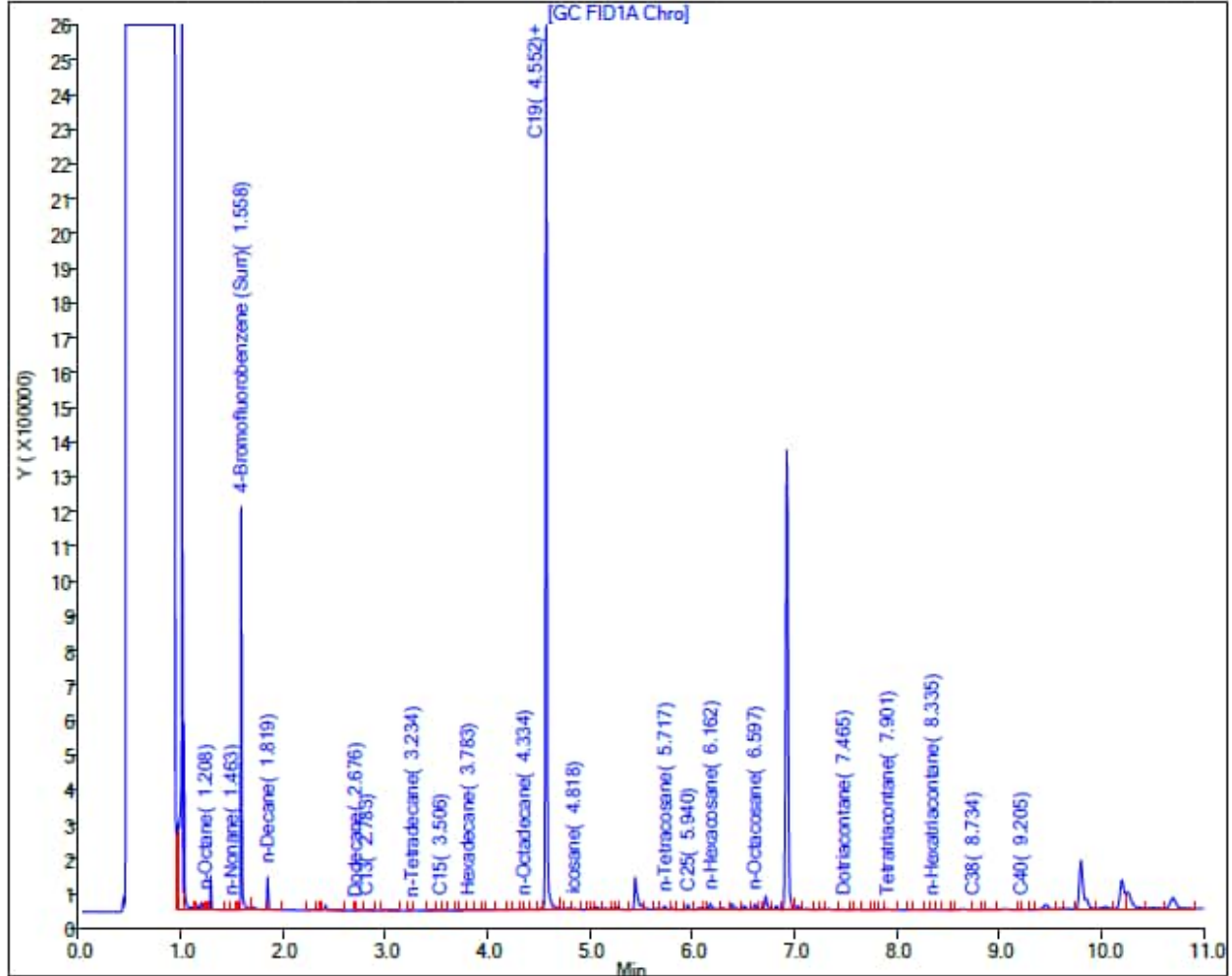
Dil. Factor: 1.0000

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-2303WK3 Sample Date: 3/22/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 31-Mar-2023 09:24:17

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 30-Mar-2023 23:34:36 Instrument ID: TAC020

Lims ID: 580-125128-N-1-A

Lab Sample ID: 580-125128-1

Client ID: RHMW2254-01-WGN01LF-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 39

Injection Vol: 1.0 ul

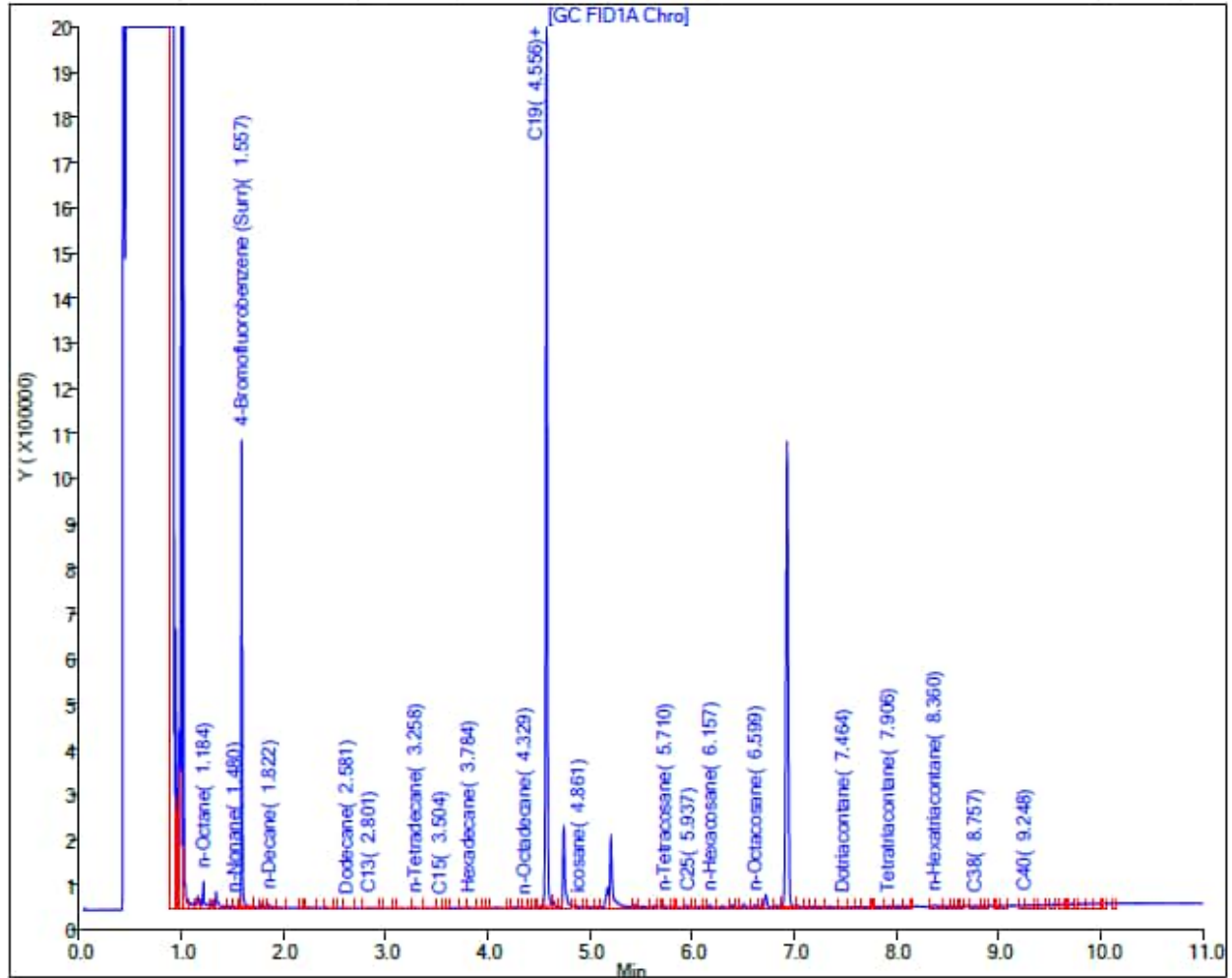
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **RHMW2254-01** Sample ID: RHMW2254-01-WGN01B-2303WK4 Sample Date: 3/29/2023
Lab: Eurofins Seattle

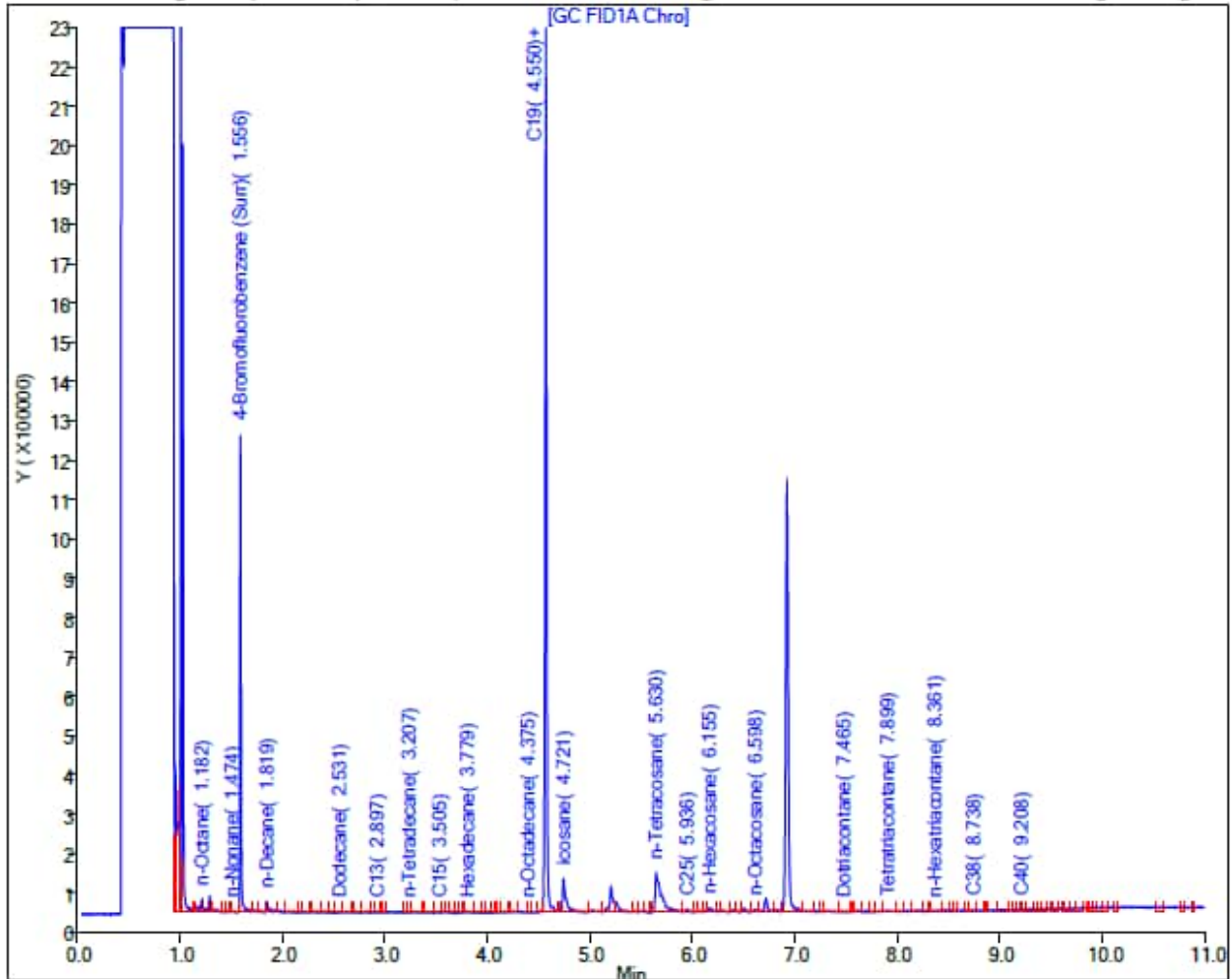
Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 05-Apr-2023 11:51:33

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A038.D
Injection Date: 04-Apr-2023 22:06:11 Instrument ID: TAC020
Lims ID: 580-125353-O-1-A Lab Sample ID: 580-125353-1
Client ID: RHMW2254-01-WGN01B-2303WK4
Operator ID: KW ALS Bottle#: 0 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: **RHMW2254-01** Sample ID: RHMW2254-01-WGN01LF-2303WK4 Sample Date: 3/29/2023
Lab: Eurofins Seattle

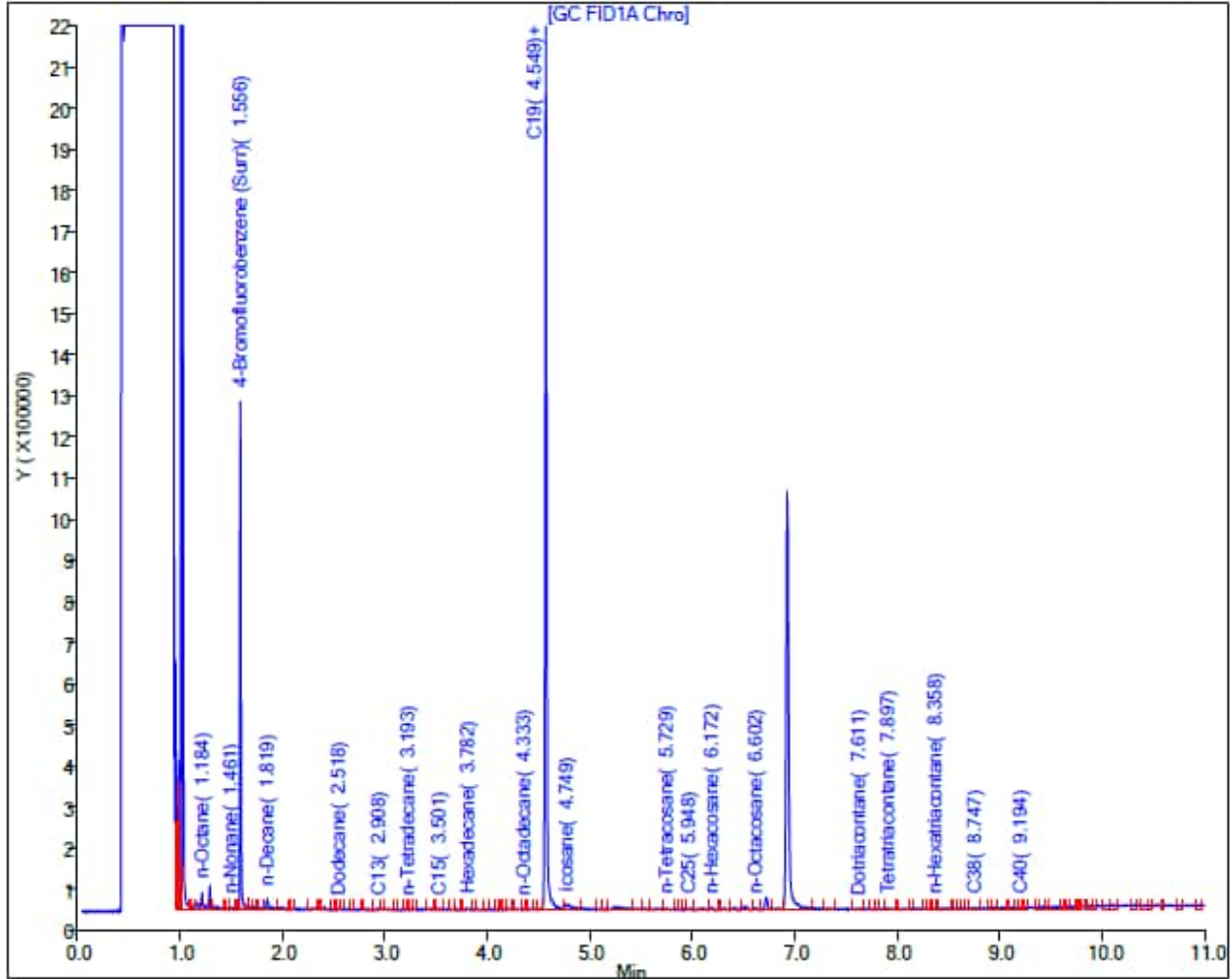
Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 05-Apr-2023 11:51:50

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A042.D
Injection Date: 04-Apr-2023 23:27:09 Instrument ID: TAC020
Lims ID: 580-125353-N-11-A Lab Sample ID: 580-125353-11
Client ID: RHMW2254-01-WGN01LF-2303WK4
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



No Silica Gel Cleanup performed.

Location: **RHMW2254-01** Sample ID: RHMW2254-01-WGN01B-2304WK1 Sample Date: 4/5/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 11-Apr-2023 16:40:37

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 11-Apr-2023 15:44:34 Instrument ID: TAC020

Lims ID: 580-125642-N-12-A

Lab Sample ID: 580-125642-12

Client ID: RHMW2254-01-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul

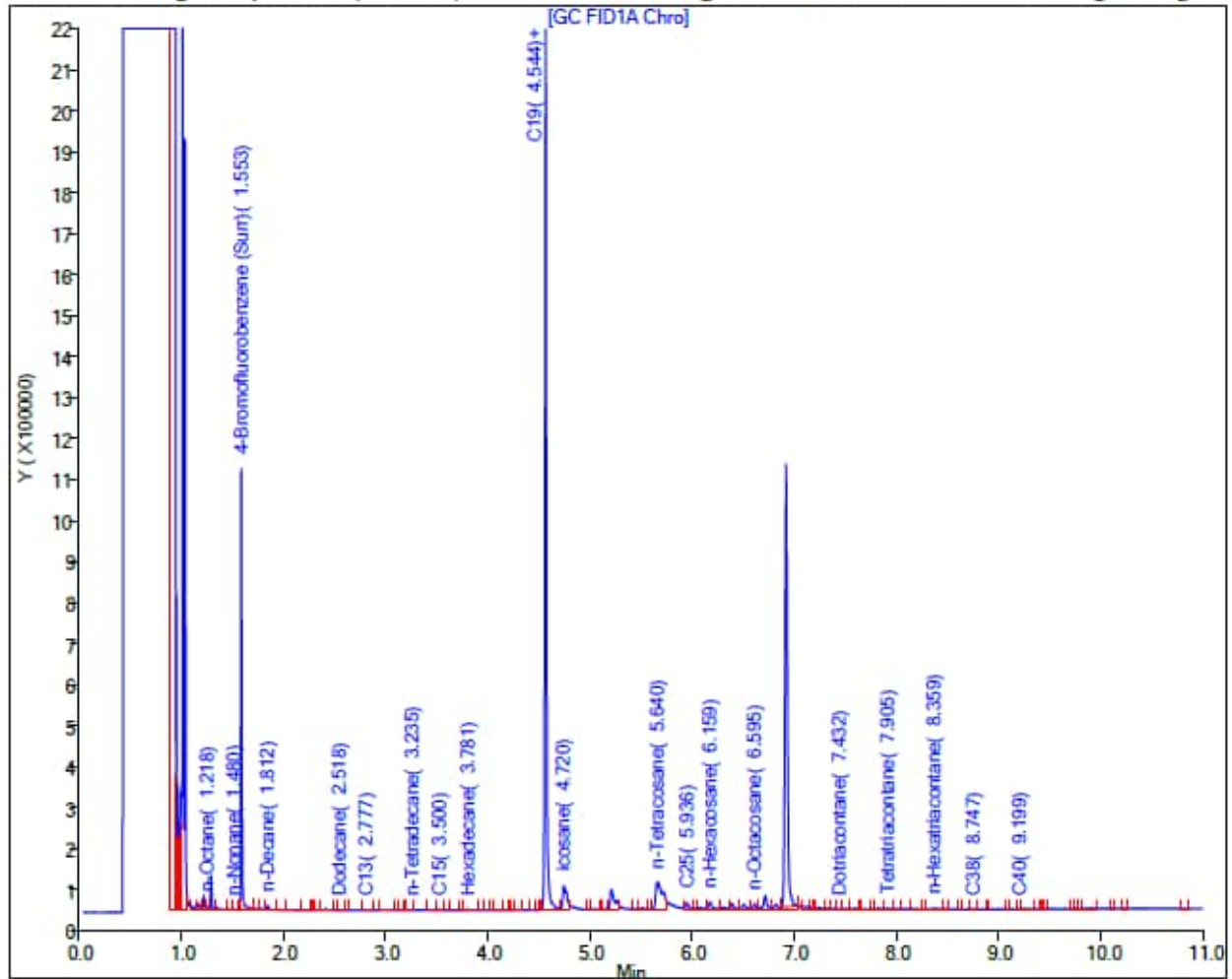
Dil. Factor: 1.0000

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-2304WK1 Sample Date: 4/5/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 11-Apr-2023 09:28:59

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 11-Apr-2023 05:11:18 Instrument ID: TAC020

Lims ID: 580-125642-N-10-A

Lab Sample ID: 580-125642-10

Client ID: RHMW2254-01-WGN01LF-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 57

Injection Vol: 1.0 ul

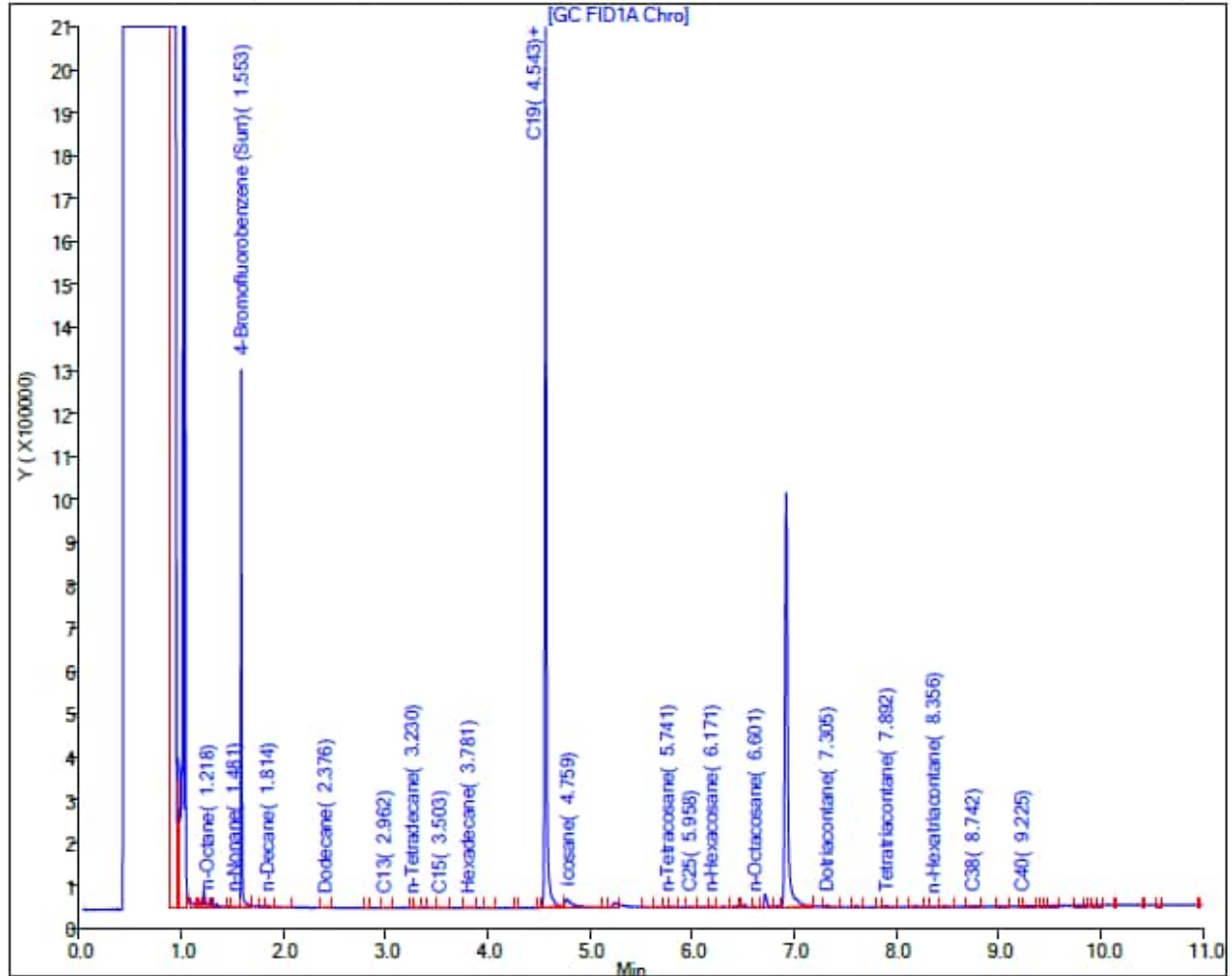
Dil. Factor: 1.0000

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-2305WK1 Sample Date: 5/4/2023
Lab: Eurofins Seattle

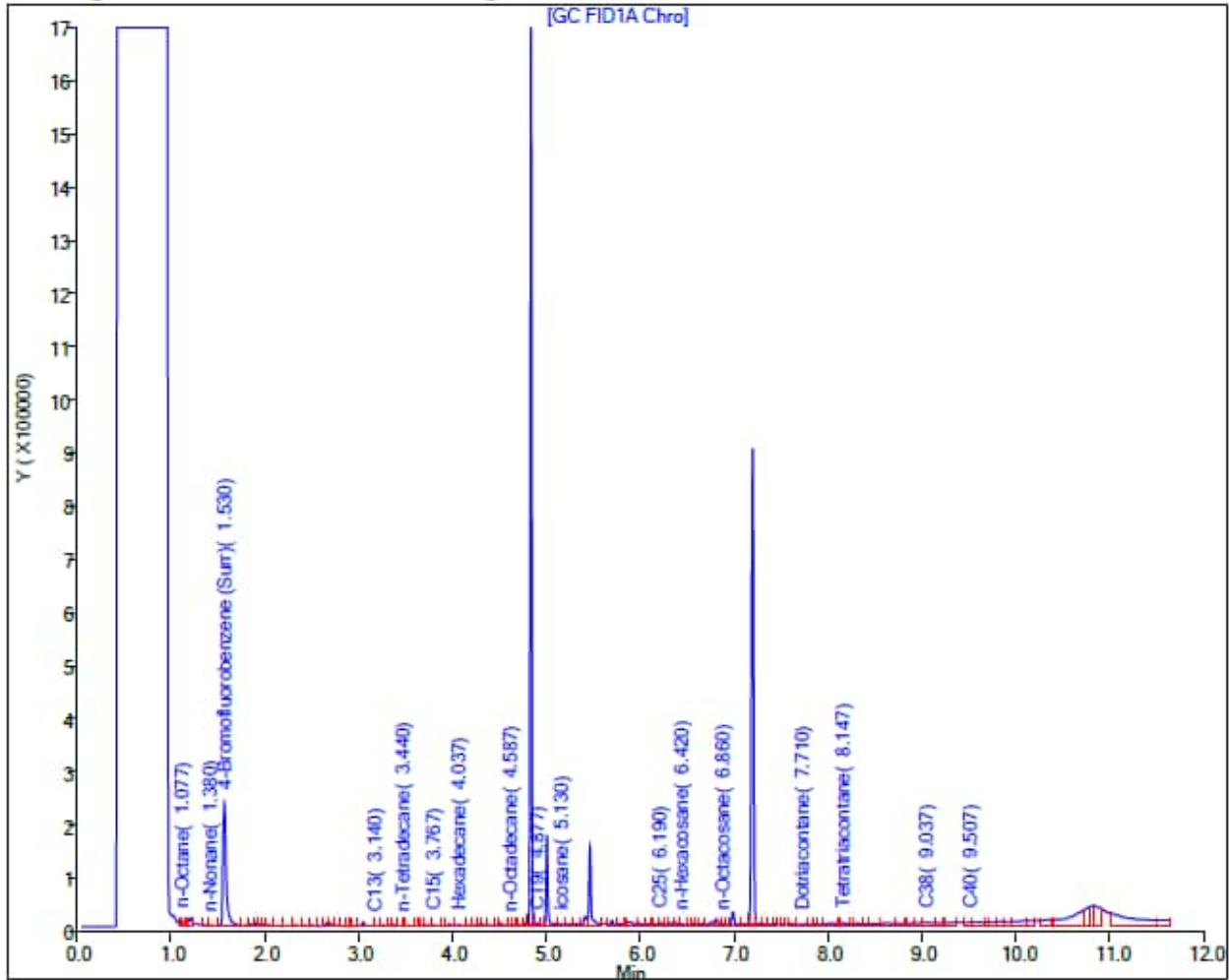
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 09-May-2023 08:19:53

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230508-88308.b\050823A064.D
Injection Date: 08-May-2023 23:30:57 Instrument ID: TAC129
Lims ID: 580-126892-O-7-A Lab Sample ID: 580-126892-7
Client ID: RHMW2254-01-WGN01B-2305WK1
Operator ID: KW 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: **RHMW2254-01** Sample ID: RHMW2254-01-WGN01LF-2305WK1 Sample Date: 5/4/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 09-May-2023 08:19:43

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: Eurofins Seattle

Injection Date: 08-May-2023 22:34:09 Instrument ID: TAC129

Lims ID: 580-126892-N-1-A

Lab Sample ID: 580-126892-1

Client ID: RHMW2254-01-WGN01LF-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 39

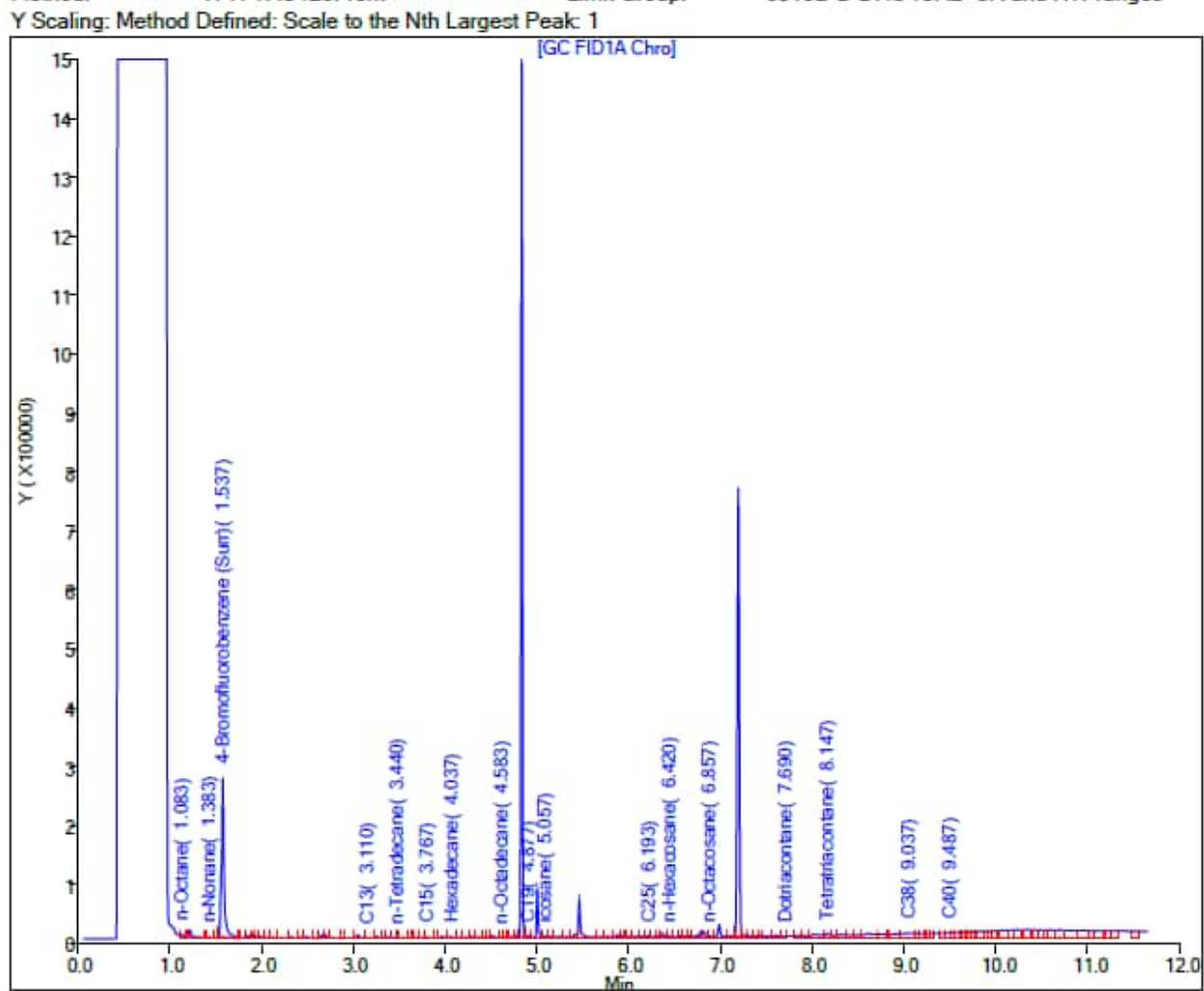
Injection Vol: 1.0 ul

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: **RHMW01R** Sample ID: RHMW01R-WGN01B-2302WK2 Sample Date: 2/14/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 190**

TPH-o (C24 to C40) <300 U

Report Date: 20-Feb-2023 09:46:55

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230217-87149.b\021723A049.D

Injection Date: 17-Feb-2023 21:10:28

Instrument ID: TAC129_R

Lims ID: 580-123592-N-1-A

Lab Sample ID: 580-123592-1

Client ID: RHMW01R-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 20

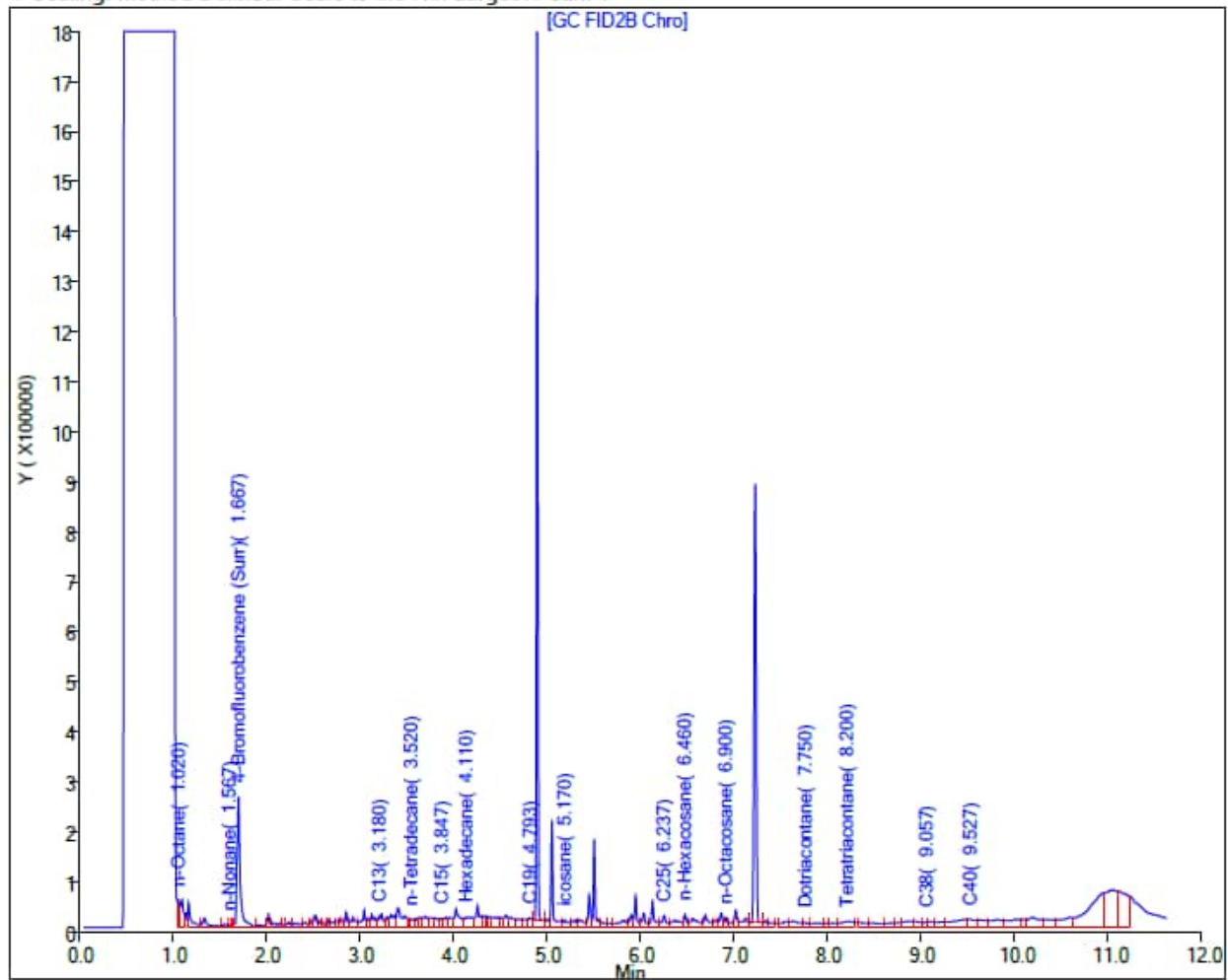
Injection Vol: 1.0 uL

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



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 20-Feb-2023 16:15:21

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230220-87164.b\022023_010.D

Injection Date: 20-Feb-2023 14:18:56

Instrument ID: TAC020

Lims ID: 580-123592-N-1-B

Lab Sample ID: 580-123592-1

Client ID: RHMW01R-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 10

Injection Vol: 1.0 ul

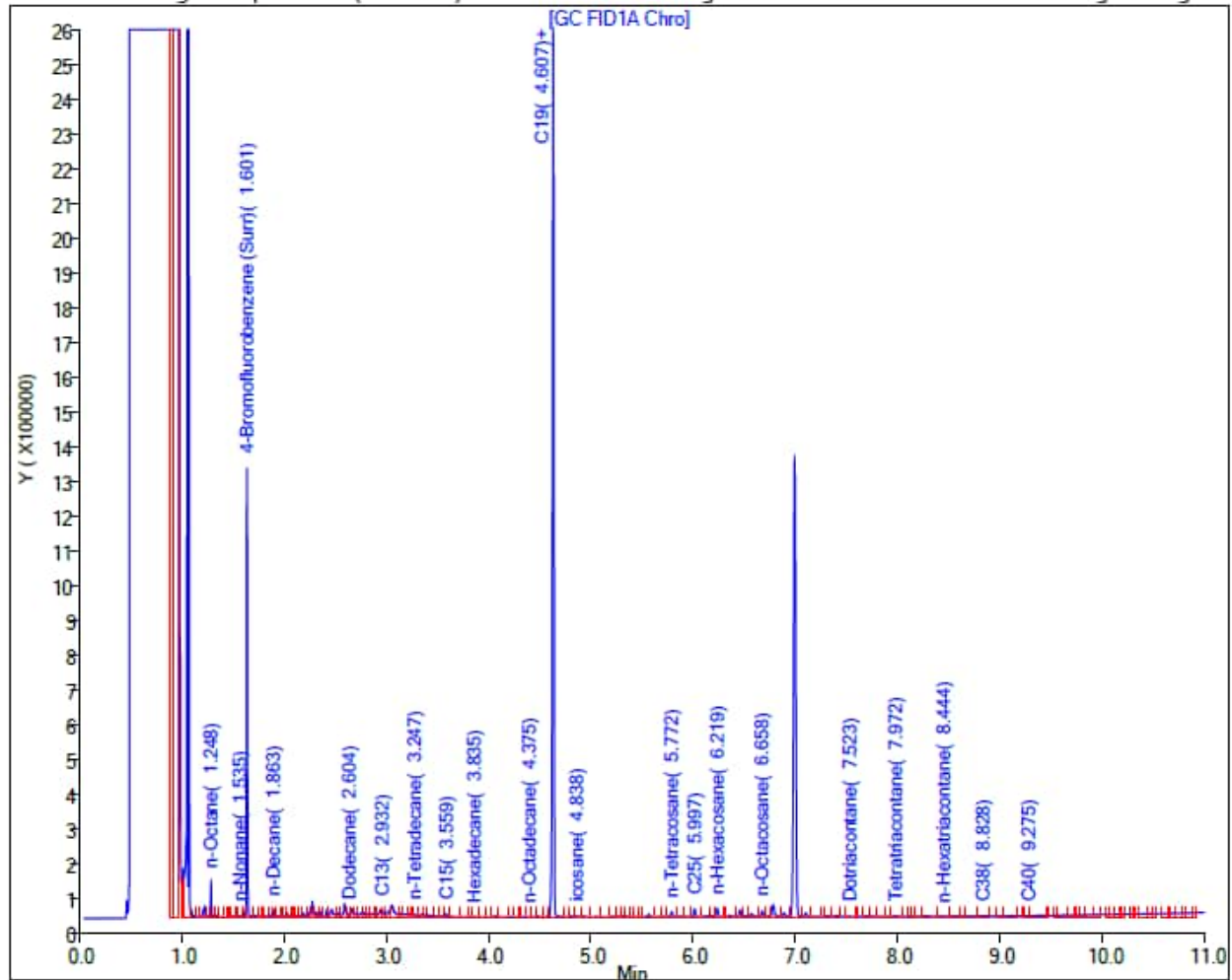
Dil. Factor: 1.0000

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



Location: **RHMW01R** Sample ID: RHMW01R-WGN01B-2302WK3 Sample Date: 2/21/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 120**

TPH-o (C24 to C40) <300 U

Report Date: 28-Feb-2023 10:01:29

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129\20230227-87261.b\022723A034.D

Injection Date: 27-Feb-2023 22:49:35

Instrument ID: TAC129

Lims ID: 580-123910-N-3-A

Lab Sample ID: 580-123910-3

Client ID: RHMW01R-WGN01B-2302WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 17

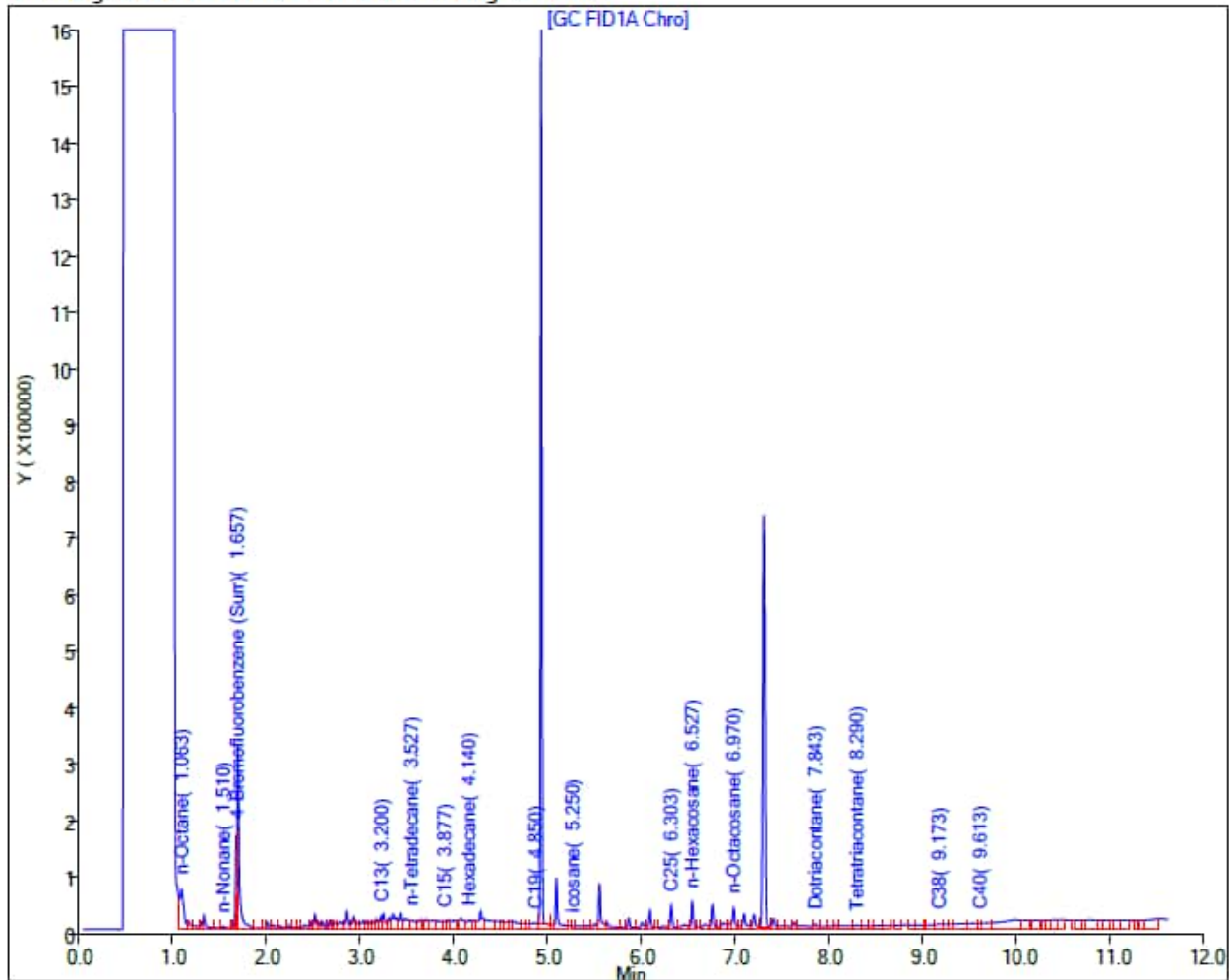
Injection Vol: 1.0 uL

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



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 07-Mar-2023 14:34:02

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A026.D

Injection Date: 07-Mar-2023 13:38:59

Instrument ID: TAC129

Lims ID: 580-123910-N-3-B

Lab Sample ID: 580-123910-3

Client ID: RHMW01R-WGN01B-2302WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 11

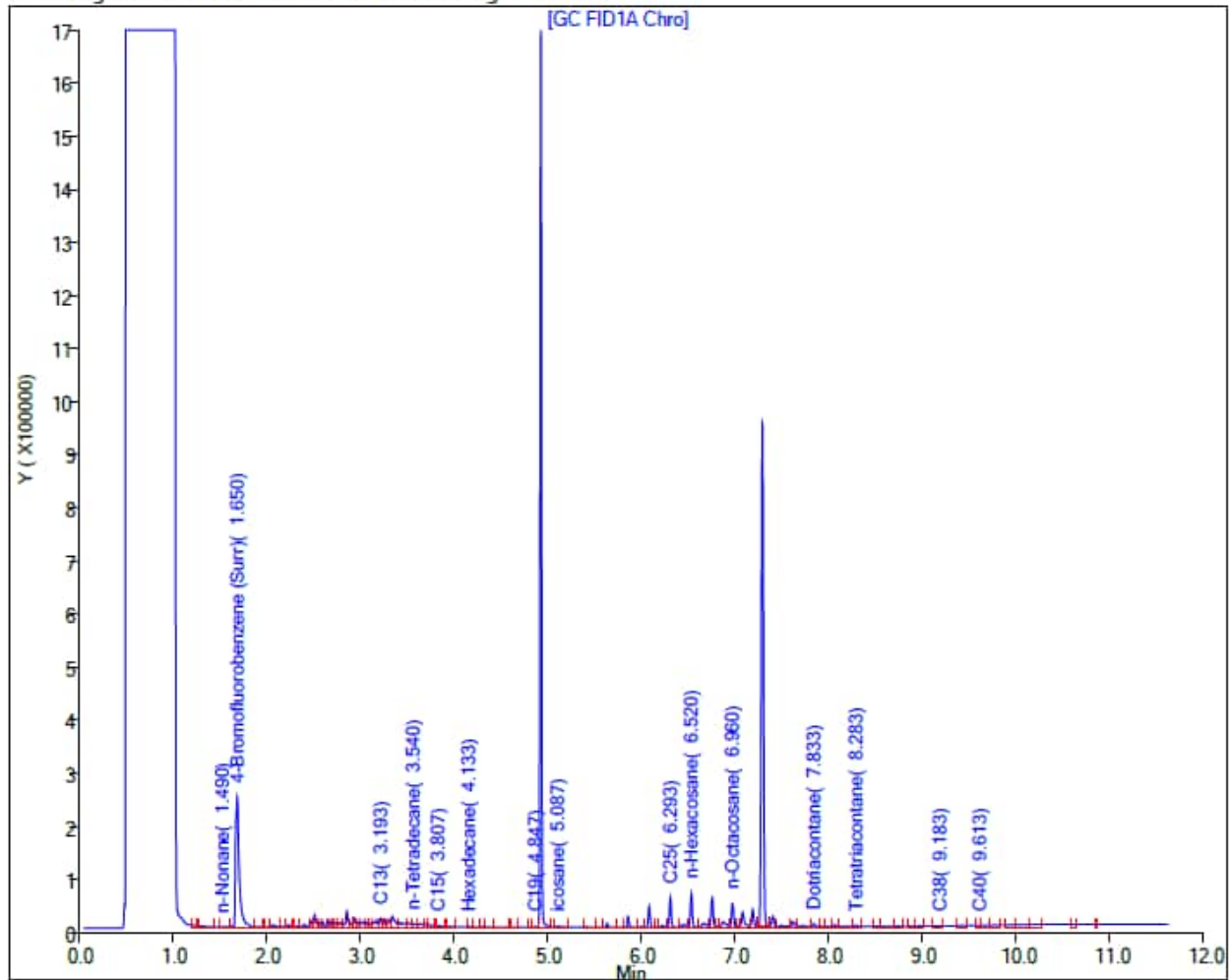
Injection Vol: 1.0 uL

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: **RHMW01R** Sample ID: RHMW01R-WGN01B-2302WK4 Sample Date: 2/28/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 270**

TPH-o (C24 to C40) <310 U

Report Date: 07-Mar-2023 11:48:47

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 06-Mar-2023 19:00:42 Instrument ID: TAC129

Lims ID: 580-124109-O-3-A

Lab Sample ID: 580-124109-3

Client ID: RHMW01R-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 16

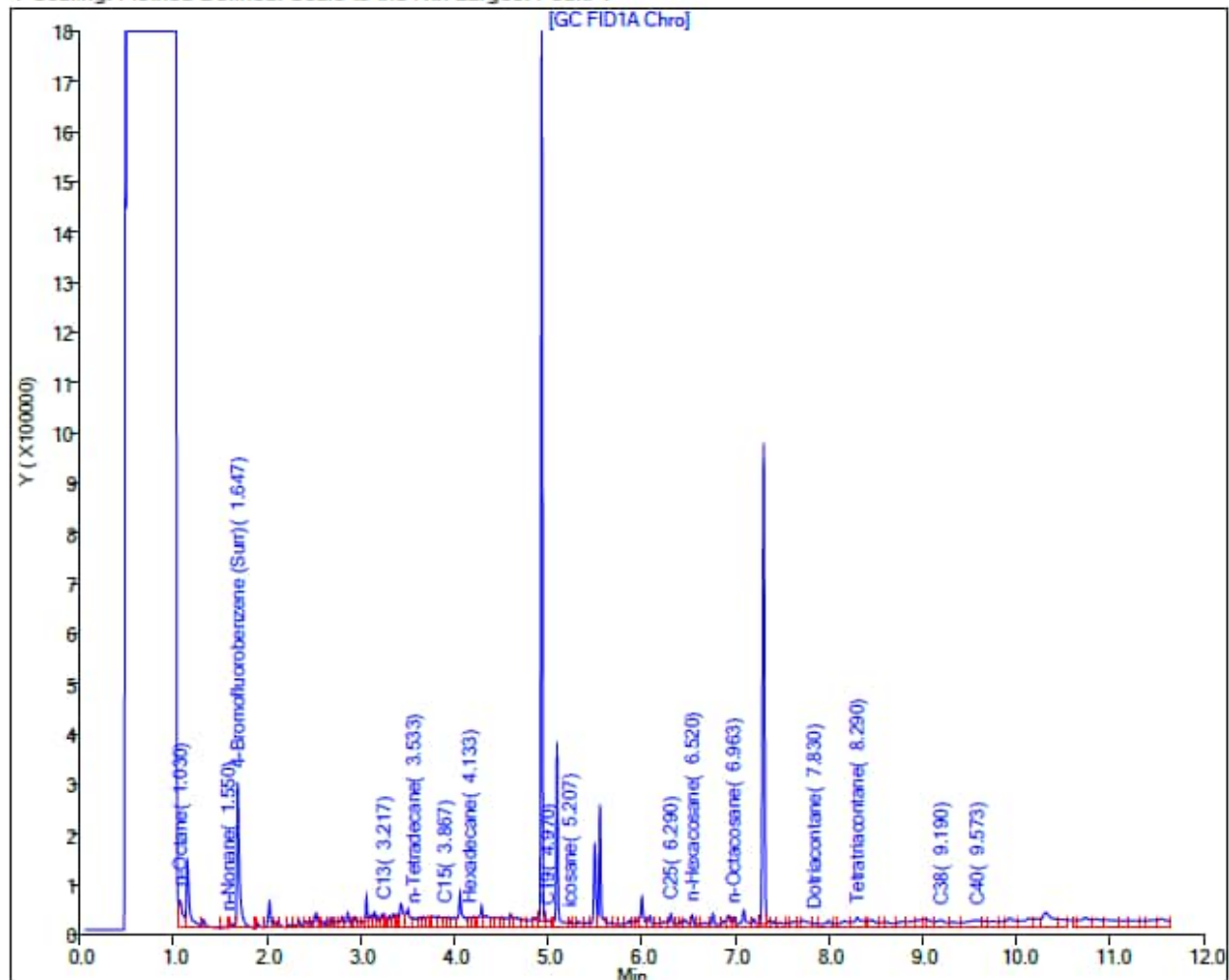
Injection Vol: 1.0 uL

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



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 07-Mar-2023 17:41:07

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurolins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A044.D

Injection Date: 07-Mar-2023 16:28:14

Instrument ID: TAC129

Lims ID: 580-124109-O-3-B

Lab Sample ID: 580-124109-3

Client ID: RHMW01R-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 20

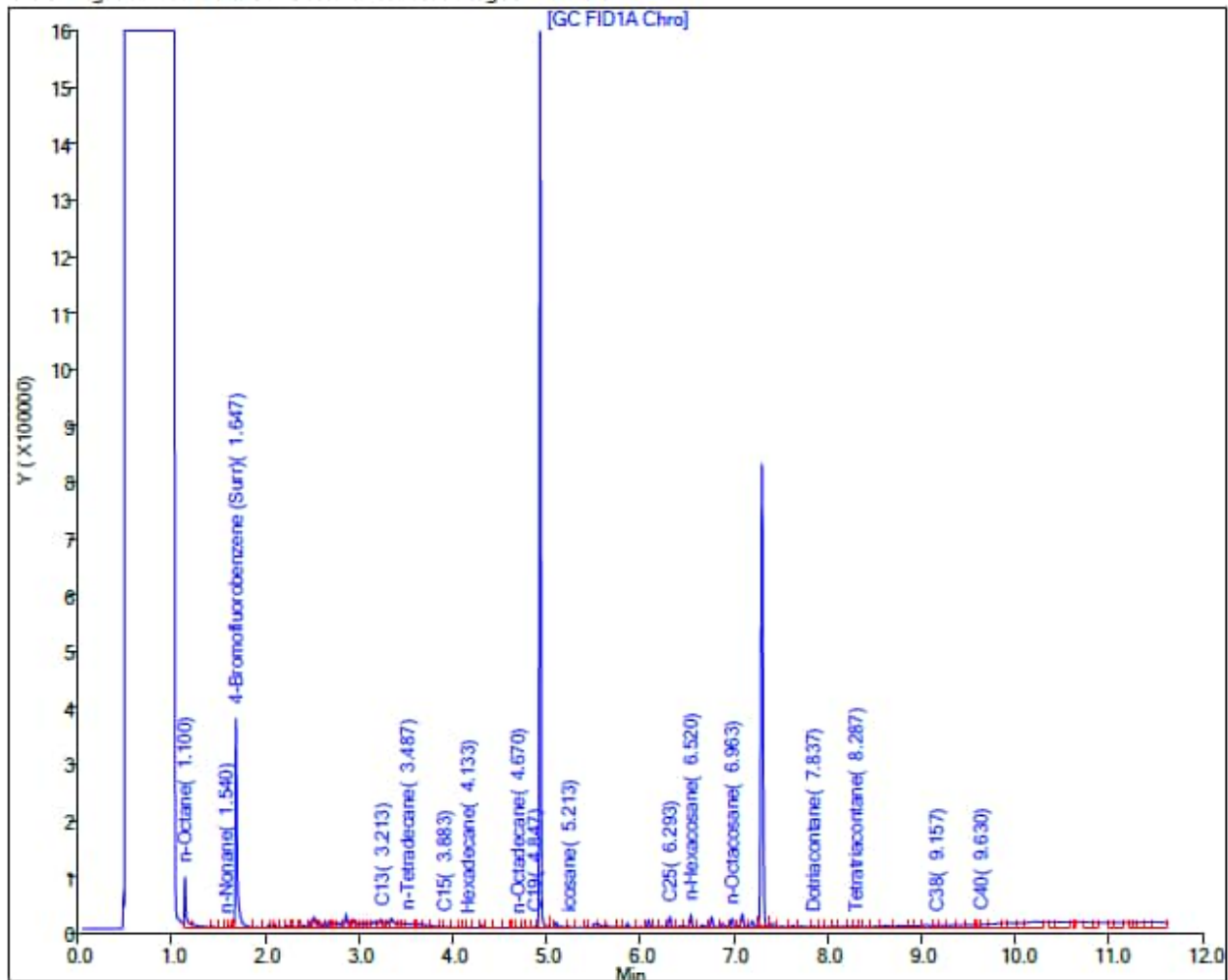
Injection Vol: 1.0 uL

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



Location: **RHMW01R** Sample ID: RHMW01R-WGN01B-2303WK1 Sample Date: 3/7/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 160**

TPH-o (C24 to C40) <250 U

Report Date: 13-Mar-2023 11:32:44

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87455.b\031023B032.D

Injection Date: 10-Mar-2023 23:55:07

Instrument ID: TAC129

Lims ID: 580-124459-O-3-A

Lab Sample ID: 580-124459-3

Client ID: RHMW01R-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 16

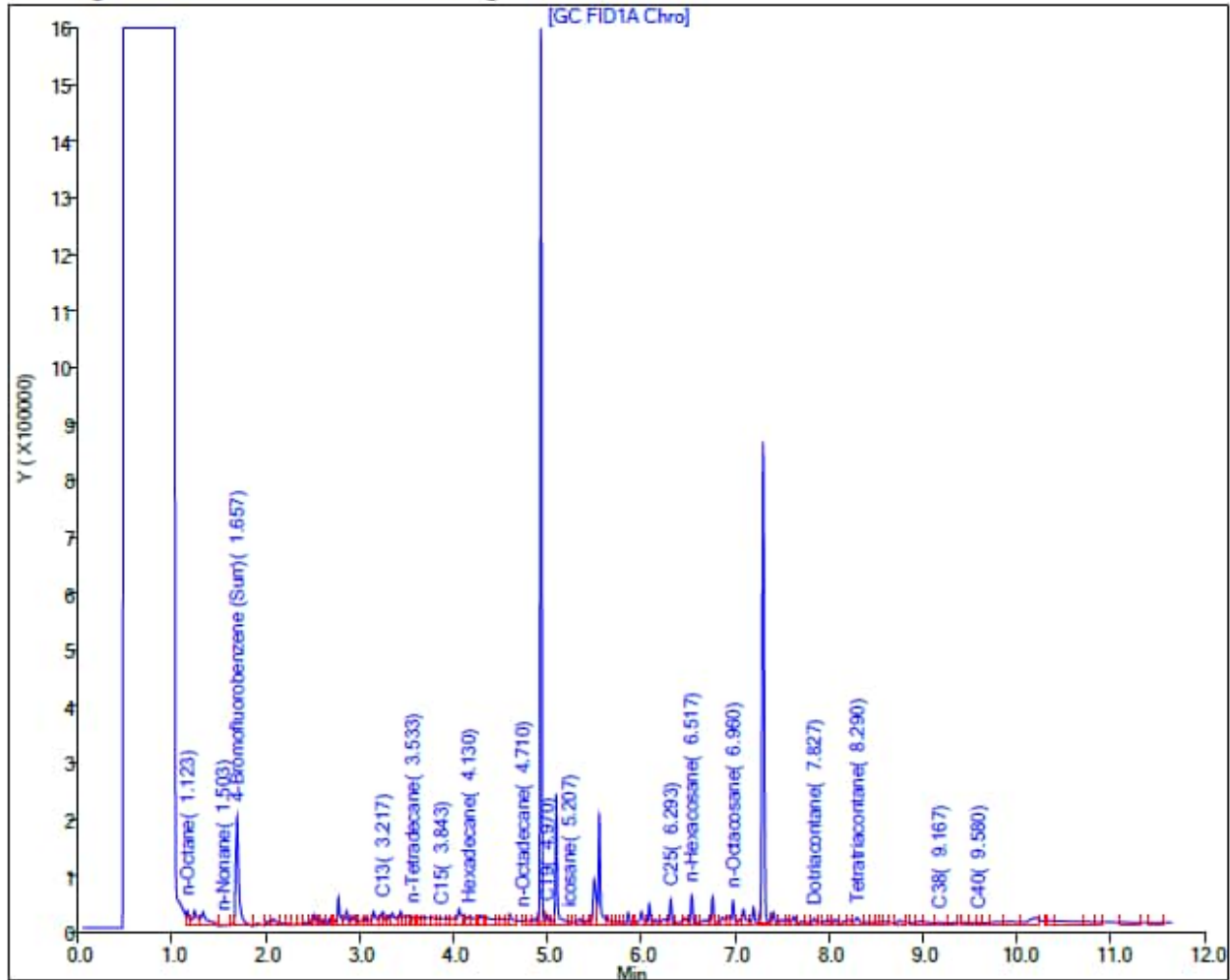
Injection Vol: 1.0 uL

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



Results (ug/L): TPH-d SGC (C10 to C24) 83 U

TPH-o SGC (C24 to C40) <250 U

Report Date: 14-Mar-2023 08:39:01

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230313-87469.b\031323A042.D

Injection Date: 13-Mar-2023 18:20:09

Instrument ID: TAC129

Lims ID: 580-124459-O-3-B

Lab Sample ID: 580-124459-3

Client ID: RHMW01R-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 10

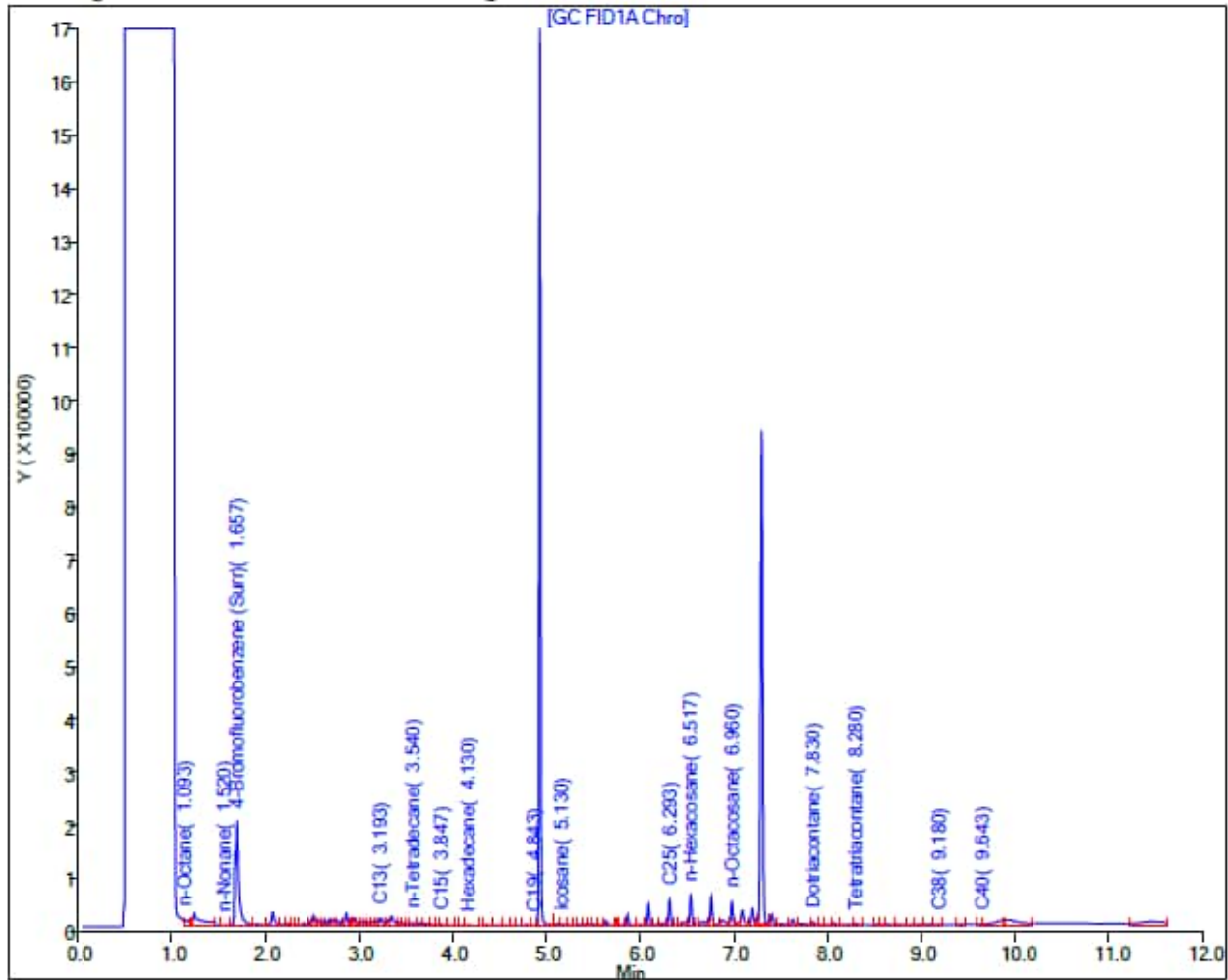
Injection Vol: 1.0 uL

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: **RHMW01R** Sample ID: RHMW01R-WGN01B-2303WK3 Sample Date: 3/21/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 130**

TPH-o (C24 to C40) <300 U

Report Date: 29-Mar-2023 07:52:44

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230328-87702.b\032823A043.D

Injection Date: 29-Mar-2023 03:38:21

Instrument ID: TAC020

Lims ID: 580-125125-N-3-A

Lab Sample ID: 580-125125-3

Client ID: RHMW01R-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 43

Injection Vol: 1.0 ul

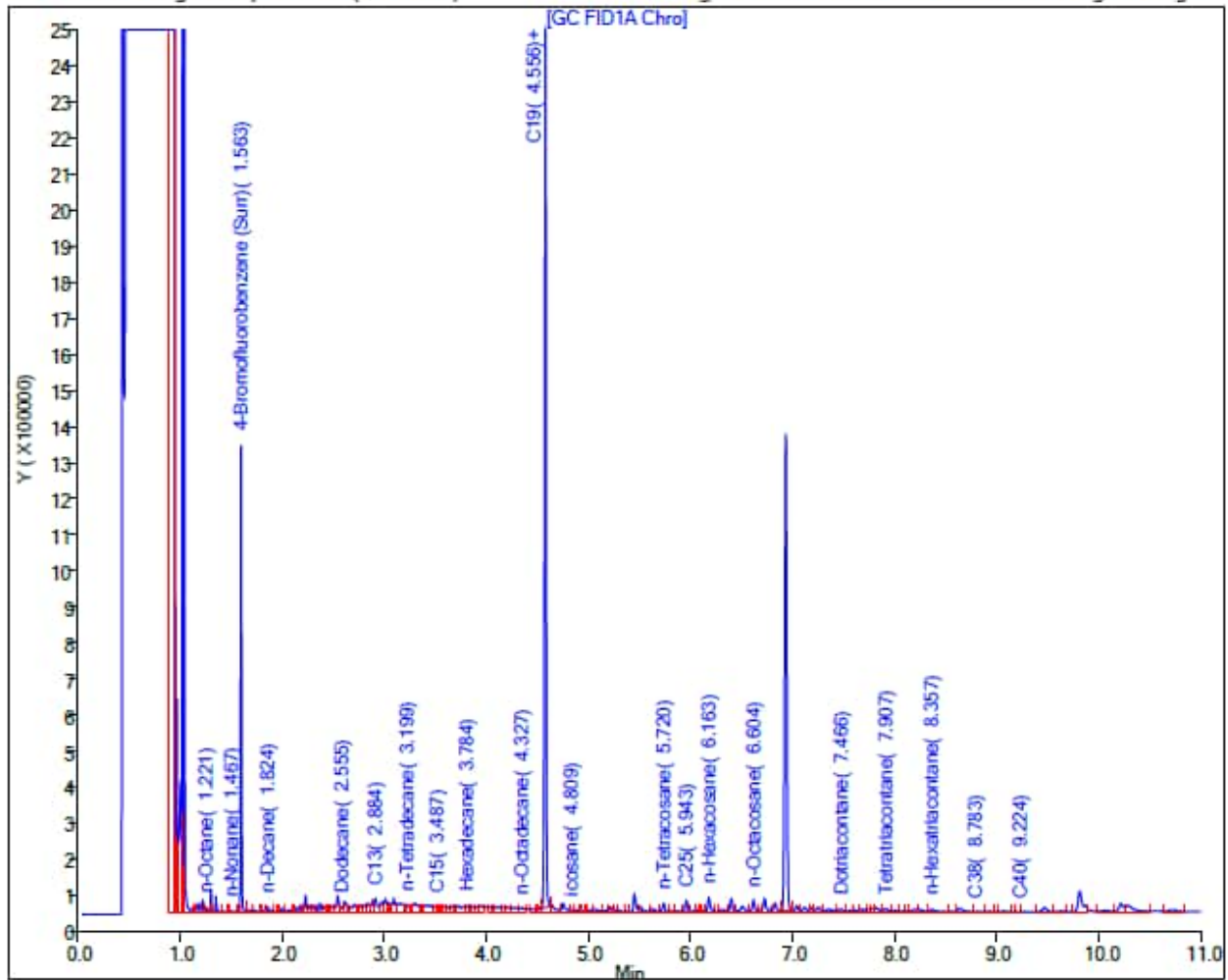
Dil. Factor: 1.0000

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) 67 J

TPH-o SGC (C24 to C40) <300 U

Report Date: 06-Apr-2023 08:54:31

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230405-87801.b\040523A029.D

Injection Date: 05-Apr-2023 19:59:30

Instrument ID: TAC020

Lims ID: 580-125125-N-3-B

Lab Sample ID: 580-125125-3

Client ID: RHMW01R-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 28

Injection Vol: 1.0 ul

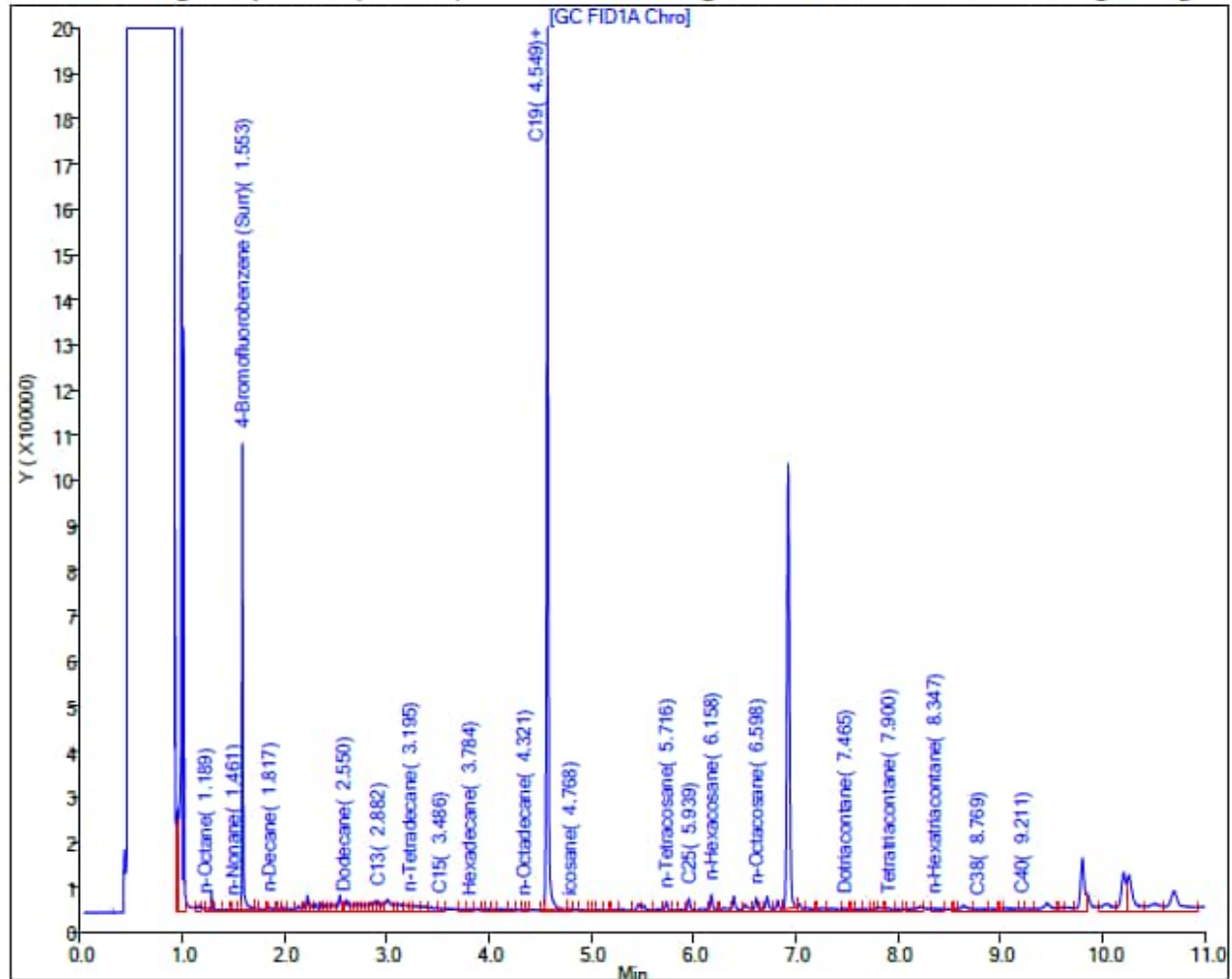
Dil. Factor: 1.0000

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-WGN01B-2303WK4 Sample Date: 3/28/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 160**

TPH-o (C24 to C40) <310 U

Report Date: 05-Apr-2023 11:50:51

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A034.D

Injection Date: 04-Apr-2023 20:45:28

Instrument ID: TAC020

Lims ID: 580-125358-N-3-A

Lab Sample ID: 580-125358-3

Client ID: RHMW01R-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 34

Injection Vol: 1.0 ul

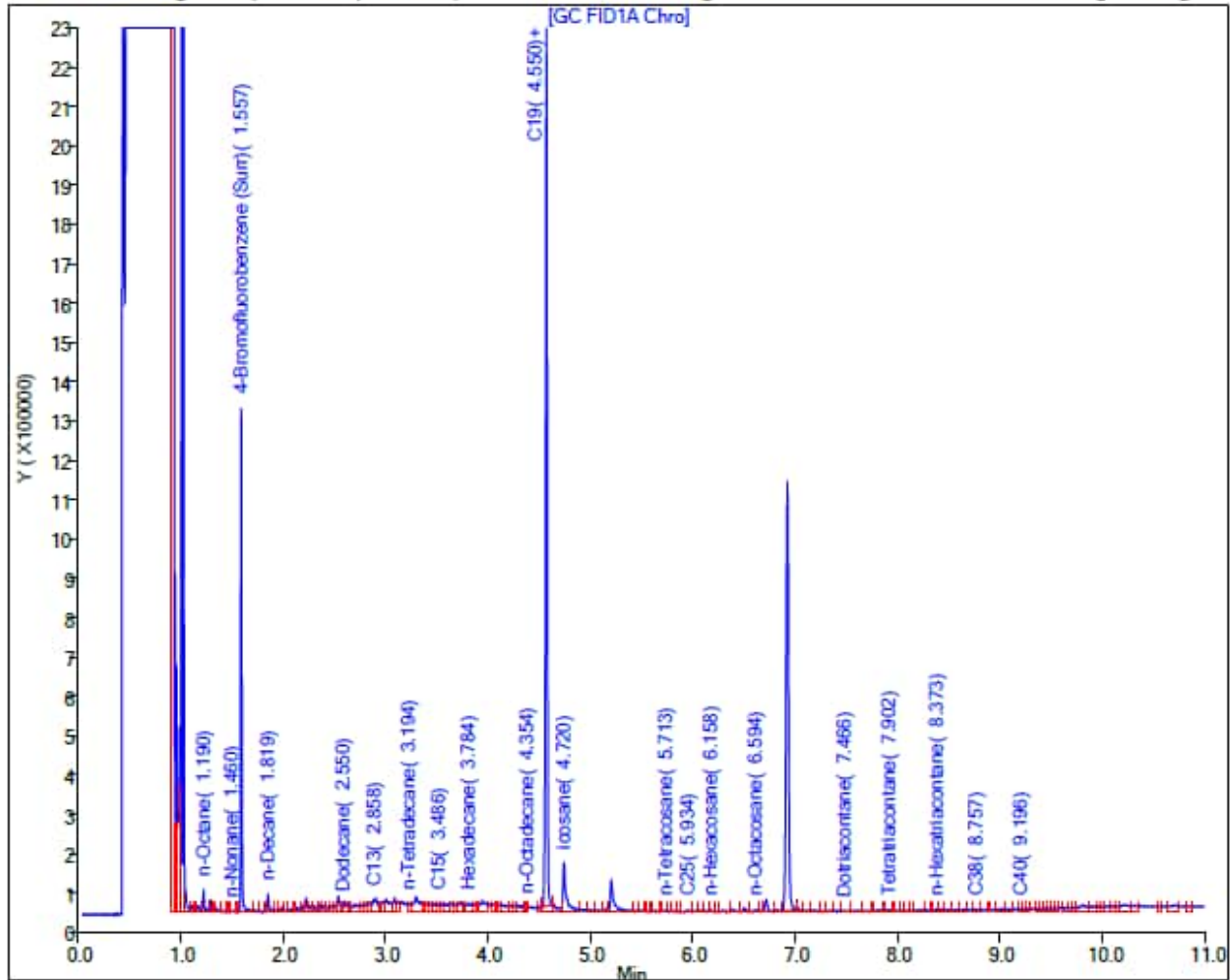
Dil. Factor: 1.0000

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: 07-Apr-2023 09:23:20

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\Eurofins Seattle

Injection Date: 07-Apr-2023 01:34:48 Instrument ID: TAC129_R

Lims ID: 580-125358-N-3-B

Lab Sample ID: 580-125358-3

Client ID: RHMW01R-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 19

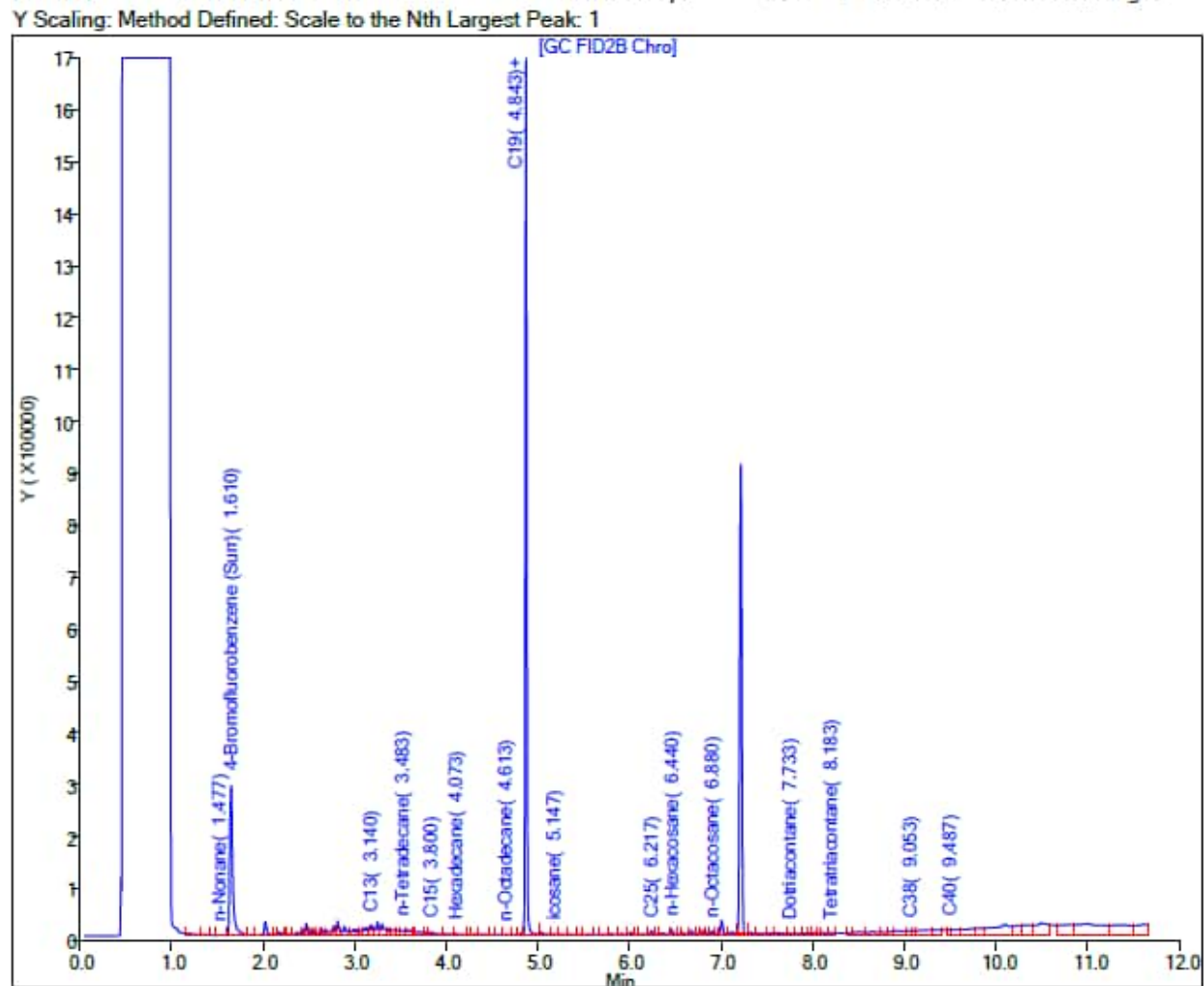
Injection Vol: 1.0 ul

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



Location: **RHMW01R** Sample ID: RHMW01R-WGN01B-2304WK1 Sample Date: 4/4/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 170**

TPH-o (C24 to C40) <300 U

Report Date: 11-Apr-2023 09:27:13

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230410-87867.b\041023A046.D

Injection Date: 11-Apr-2023 01:29:25

Instrument ID: TAC020

Lims ID: 580-125644-O-1-A

Lab Sample ID: 580-125644-1

Client ID: RHMW01R-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 46

Injection Vol: 1.0 ul

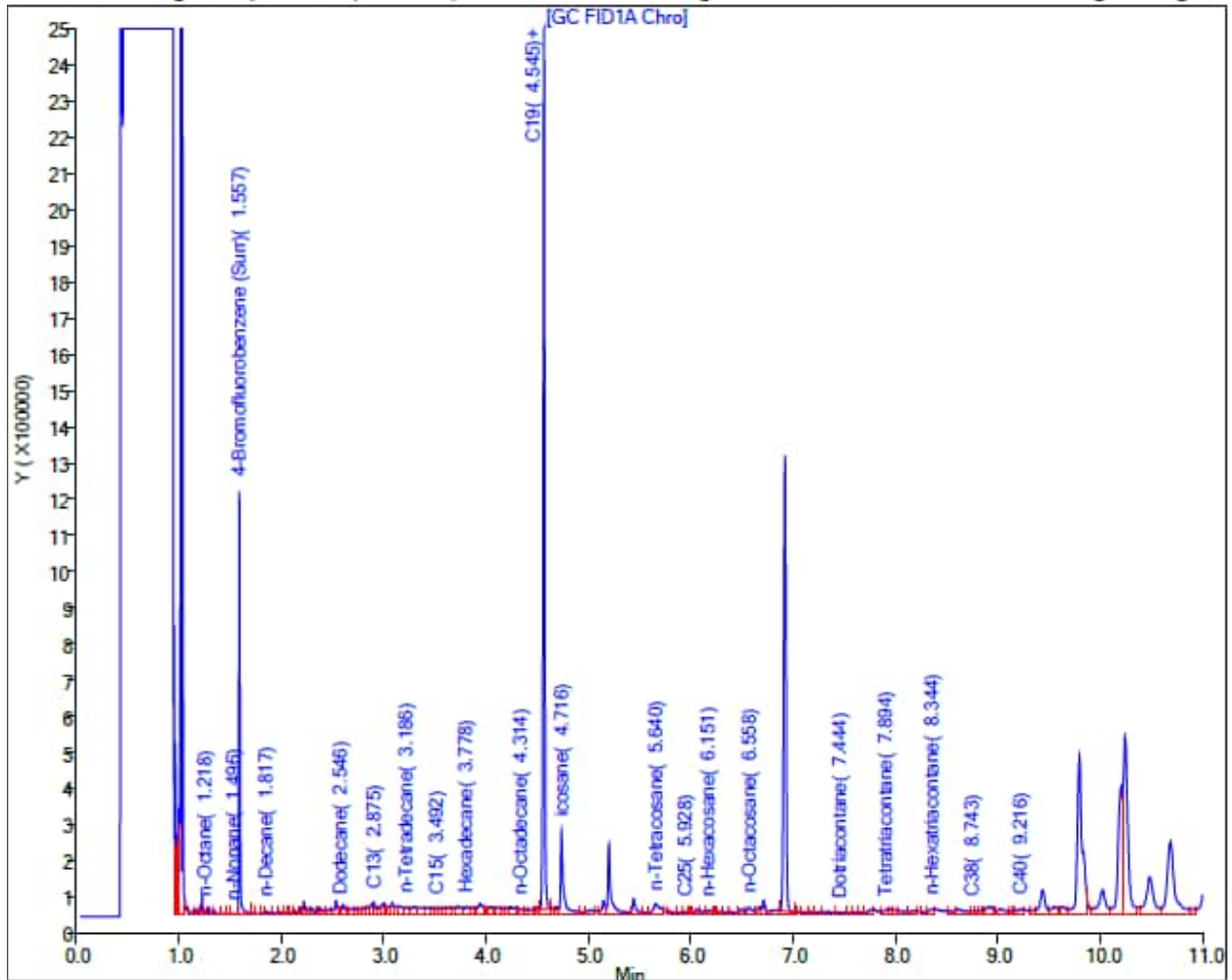
Dil. Factor: 1.0000

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) 67 J

TPH-o SGC (C24 to C40) <300 U

Report Date: 11-Apr-2023 16:40:45

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230411-87899.b\041123A007.D

Injection Date: 11-Apr-2023 16:04:50

Instrument ID: TAC020

Lims ID: 580-125644-O-1-B

Lab Sample ID: 580-125644-1

Client ID: RHMW01R-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul

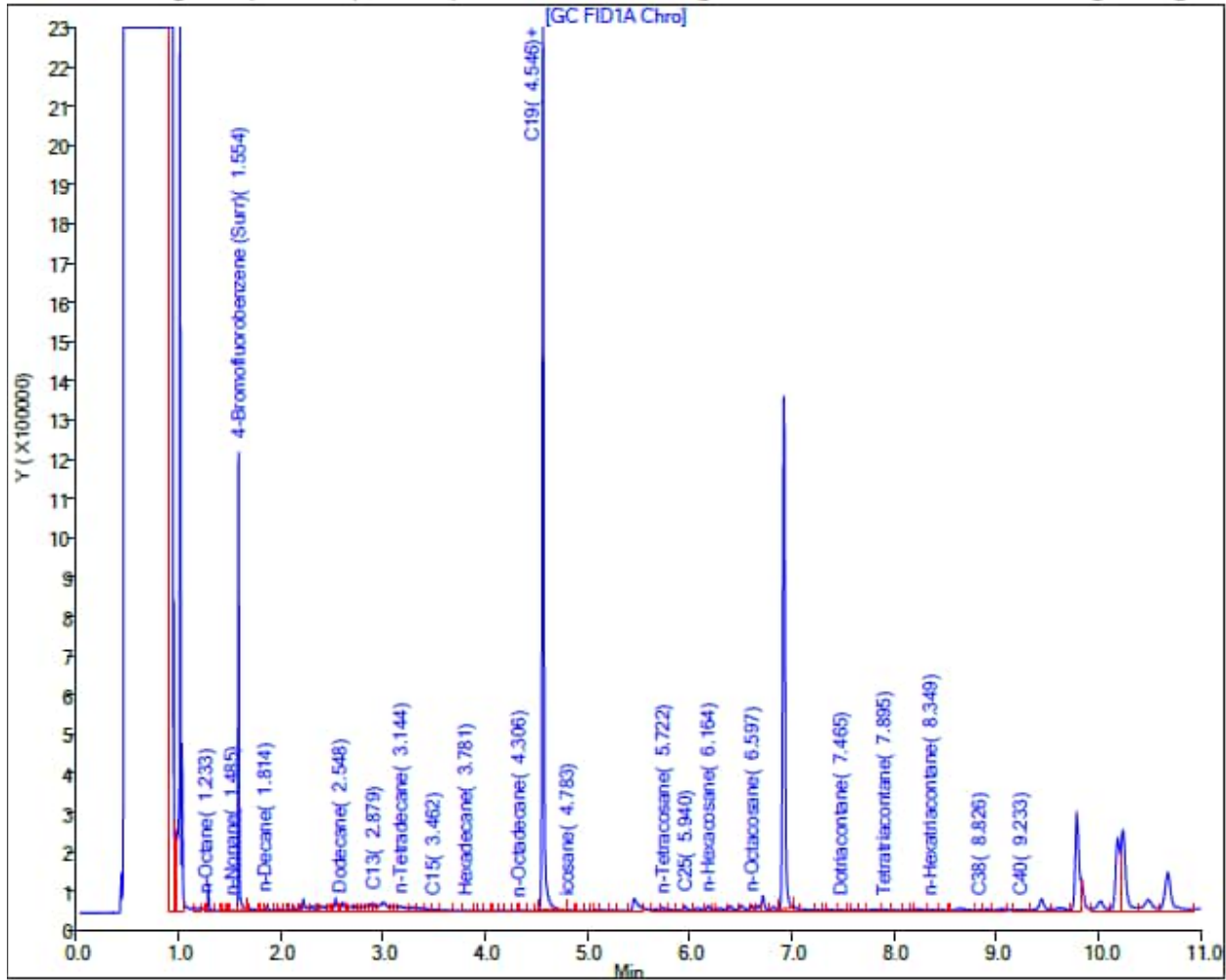
Dil. Factor: 1.0000

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



Location: **RHMW01R** Sample ID: RHMW01R-WGN01B-2305WK1 Sample Date: 5/2/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 200**

TPH-o (C24 to C40) <310 U

Report Date: 08-May-2023 11:22:06

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230505-88280.b\050523B035.D

Injection Date: 06-May-2023 04:32:56

Instrument ID: TAC020

Lims ID: 580-126762-O-1-A

Lab Sample ID: 580-126762-1

Client ID: RHMW01R-WGN01B-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 28

Injection Vol: 1.0 ul

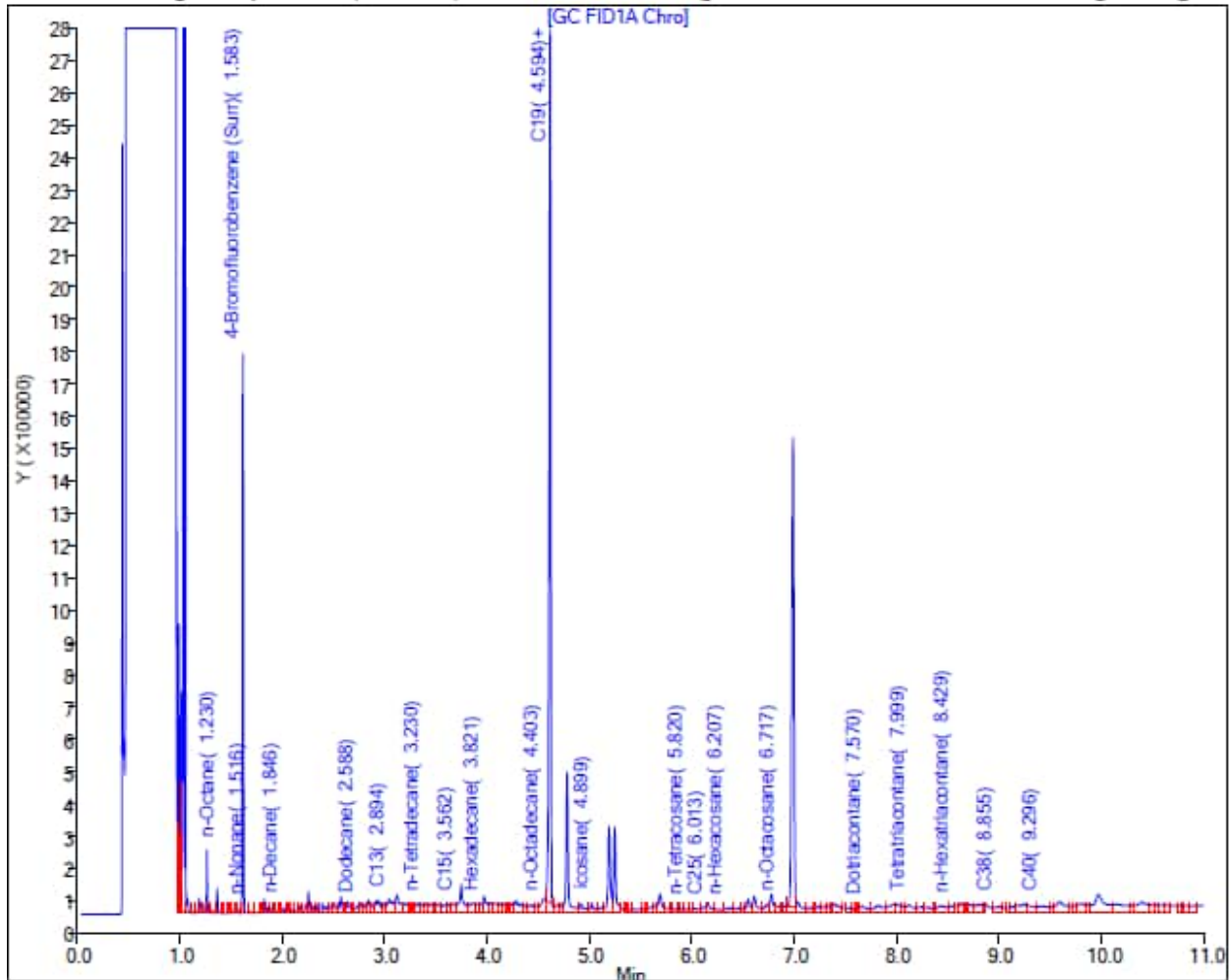
Dil. Factor: 1.0000

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



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 11-May-2023 16:13:53

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurolins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230510-88355.b\051023C056.D

Injection Date: 11-May-2023 14:22:56

Instrument ID: TAC020

Lims ID: 580-126762-O-1-B

Lab Sample ID: 580-126762-1

Client ID: RHMW01R-WGN01B-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 56

Injection Vol: 1.0 ul

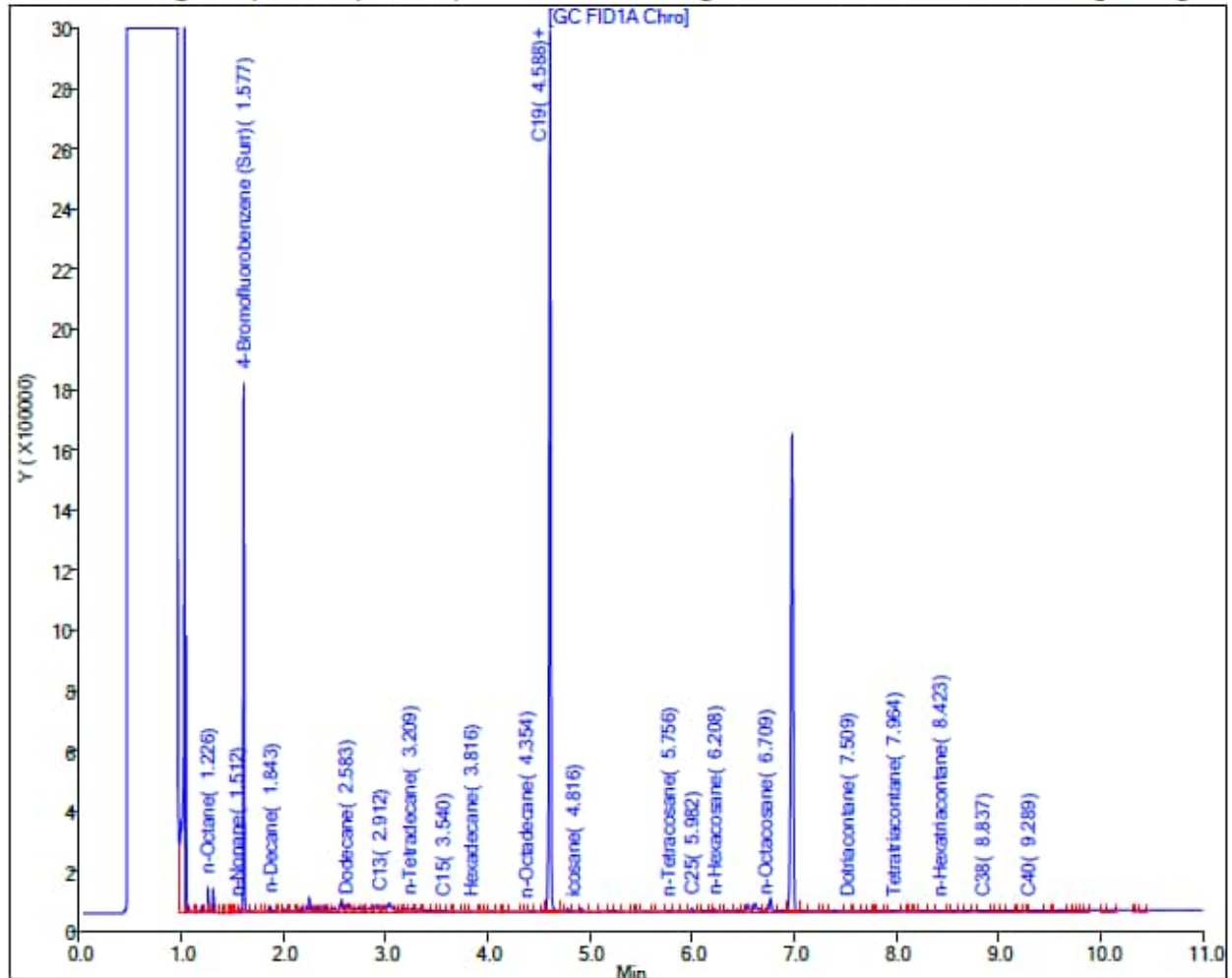
Dil. Factor: 1.0000

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



Location: **RHMW02** Sample ID: RHMW02-WGN01B-2302WK2 Sample Date: 2/14/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 1600**

TPH-o (C24 to C40) 220 J

Report Date: 20-Feb-2023 09:46:48

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle
\\chromfs\Seattle\ChromData\TAC129_R\20230217-87149.b\021723A045.D

Injection Date: 17-Feb-2023 20:32:52

Instrument ID: TAC129_R

Lims ID: 580-123602-O-9-A

Lab Sample ID: 580-123602-9

Client ID: RHMW02-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 18

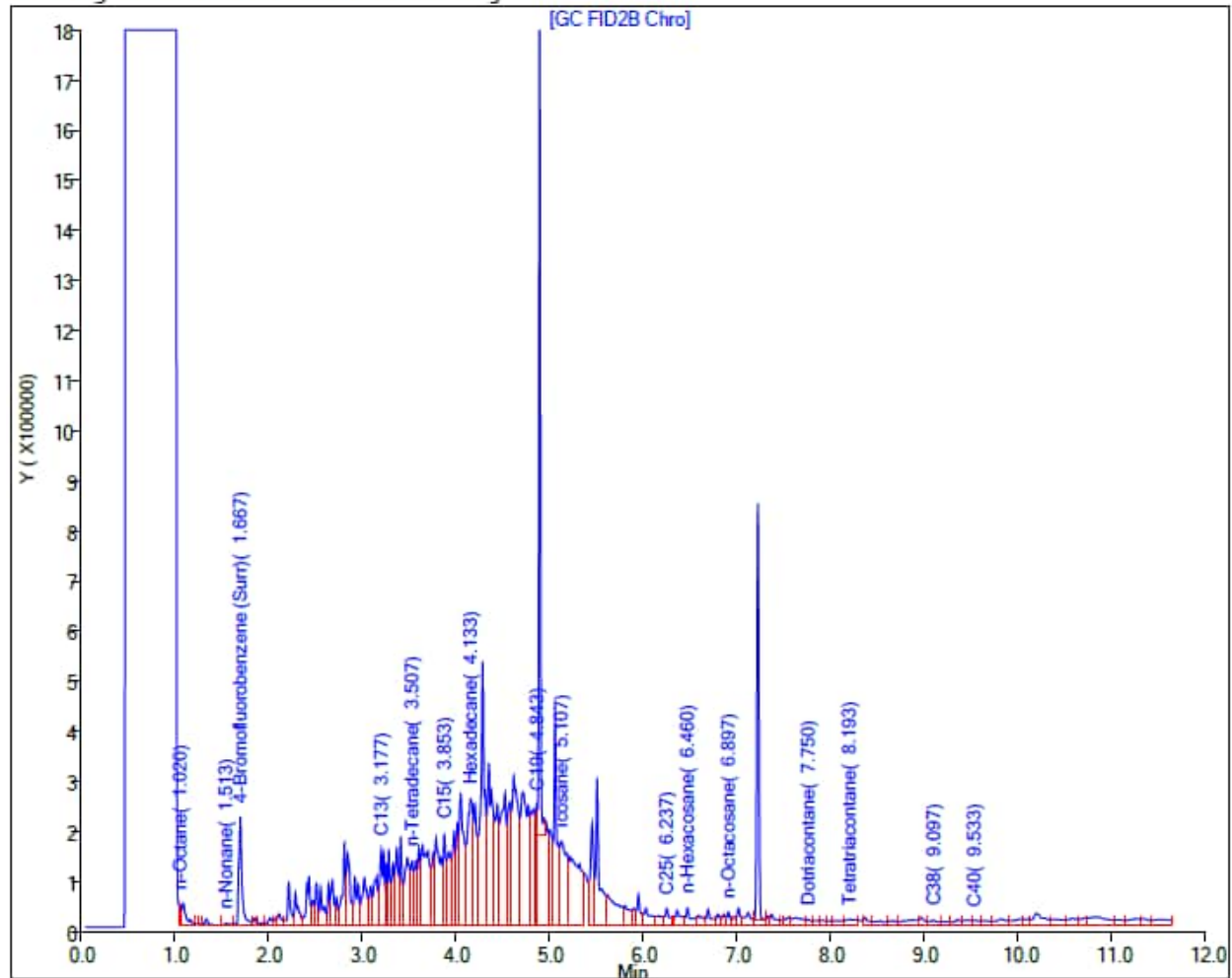
Injection Vol: 1.0 uL

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) 310

TPH-o SGC (C24 to C40) <300 U

Report Date: 20-Feb-2023 16:15:17

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230220-87164.b\022023_009.D

Injection Date: 20-Feb-2023 13:58:40

Instrument ID: TAC020

Lims ID: 580-123602-O-9-B

Lab Sample ID: 580-123602-9

Client ID: RHMW02-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul

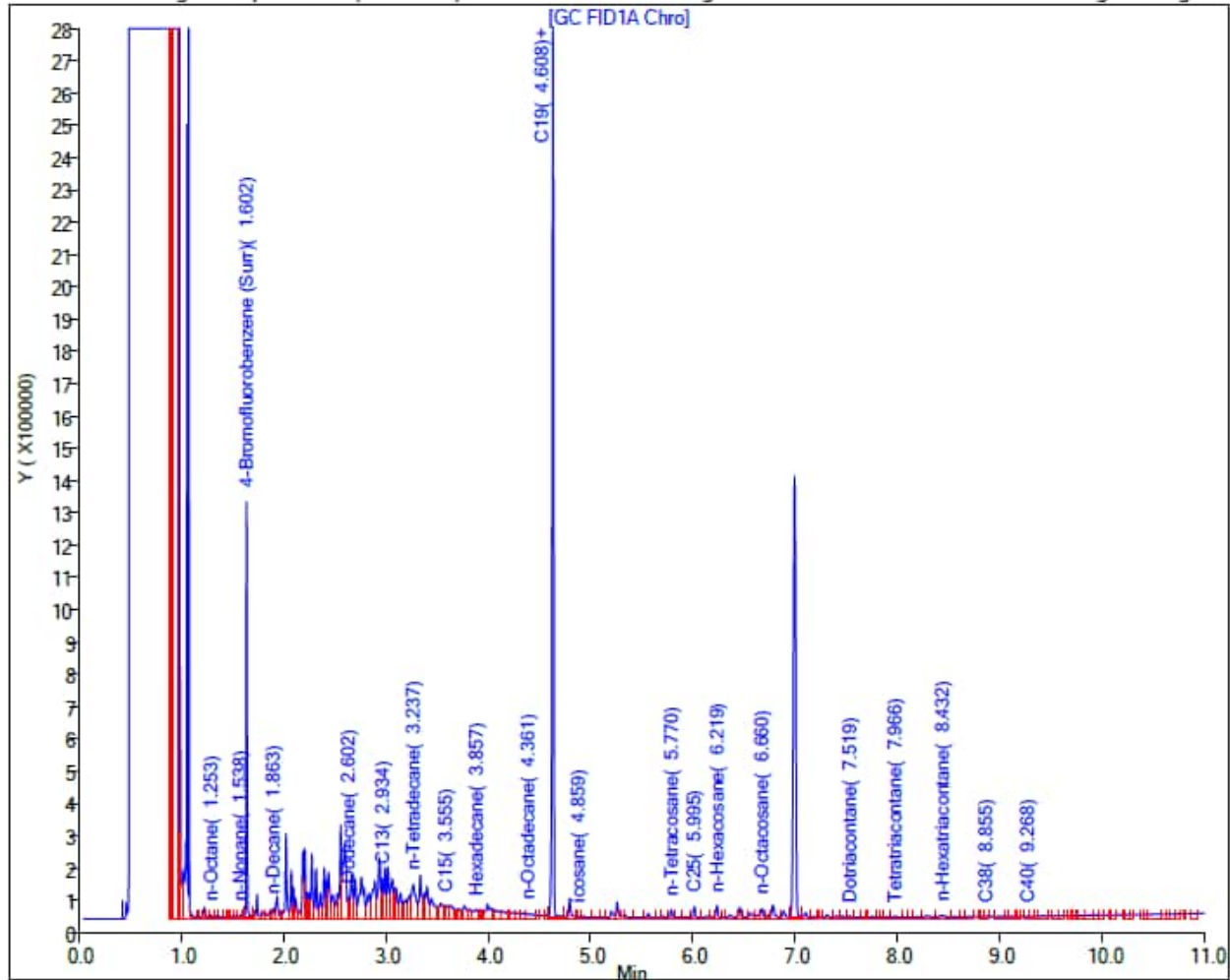
Dil. Factor: 1.0000

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



Location: **RHMW02** Sample ID: RHMW02-WGN01B-2302WK3 Sample Date: 2/21/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 1200**

TPH-o (C24 to C40) 230 J

Report Date: 28-Feb-2023 10:01:35

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230227-87261.b\022723A038.D

Injection Date: 27-Feb-2023 23:26:39

Instrument ID: TAC129

Lims ID: 580-123910-N-9-A

Lab Sample ID: 580-123910-9

Client ID: RHMW02-WGN01B-2302WK3

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

19

Injection Vol: 1.0 uL

Dil. Factor:

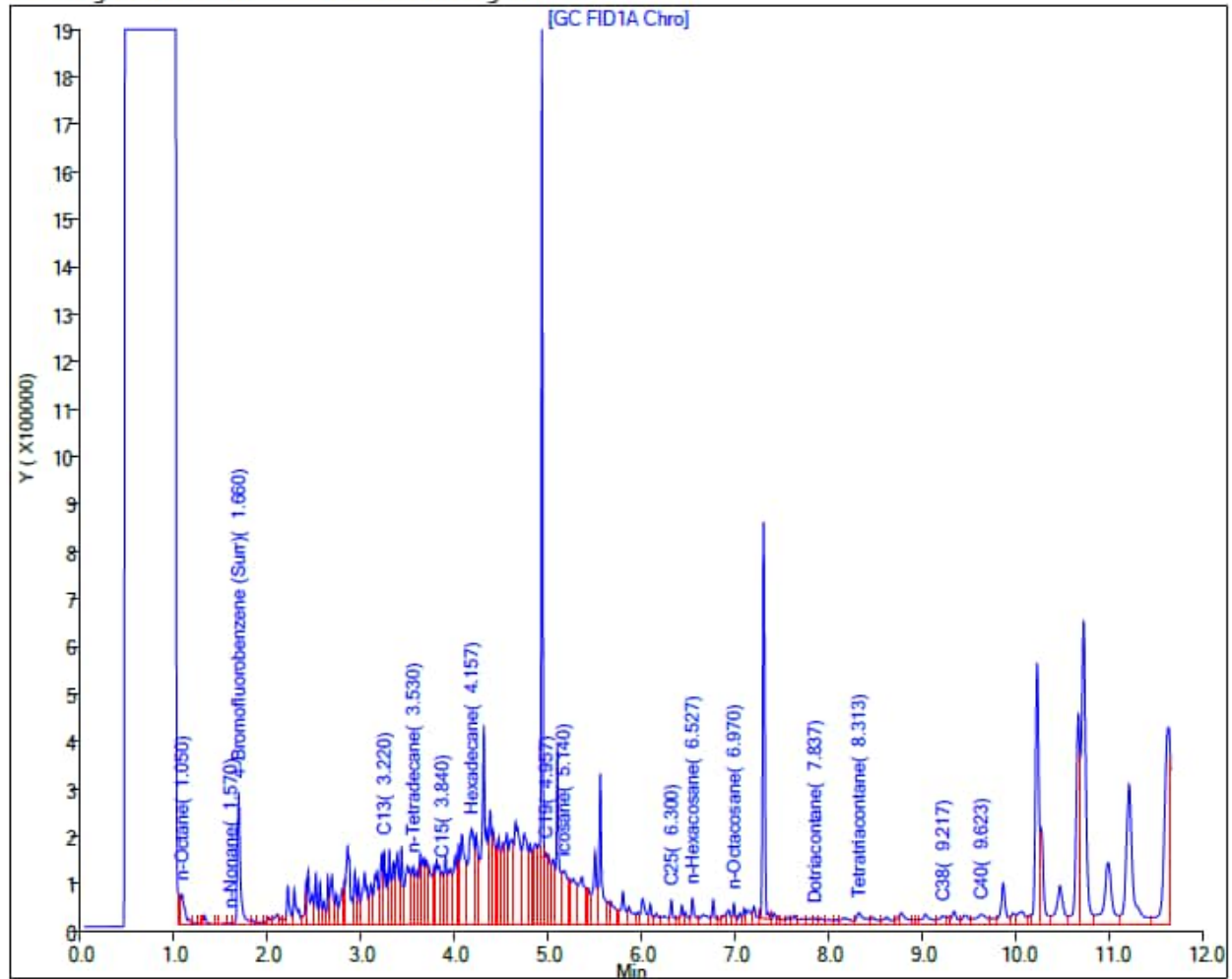
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Method: TPH-TAC129Front

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: 02-Mar-2023 10:21:52

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\030123A022.D

Injection Date: 01-Mar-2023 17:54:59

Instrument ID: TAC129

Lims ID: 580-123910-N-9-B

Lab Sample ID: 580-123910-9

Client ID: RHMW02-WGN01B-2302WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 58

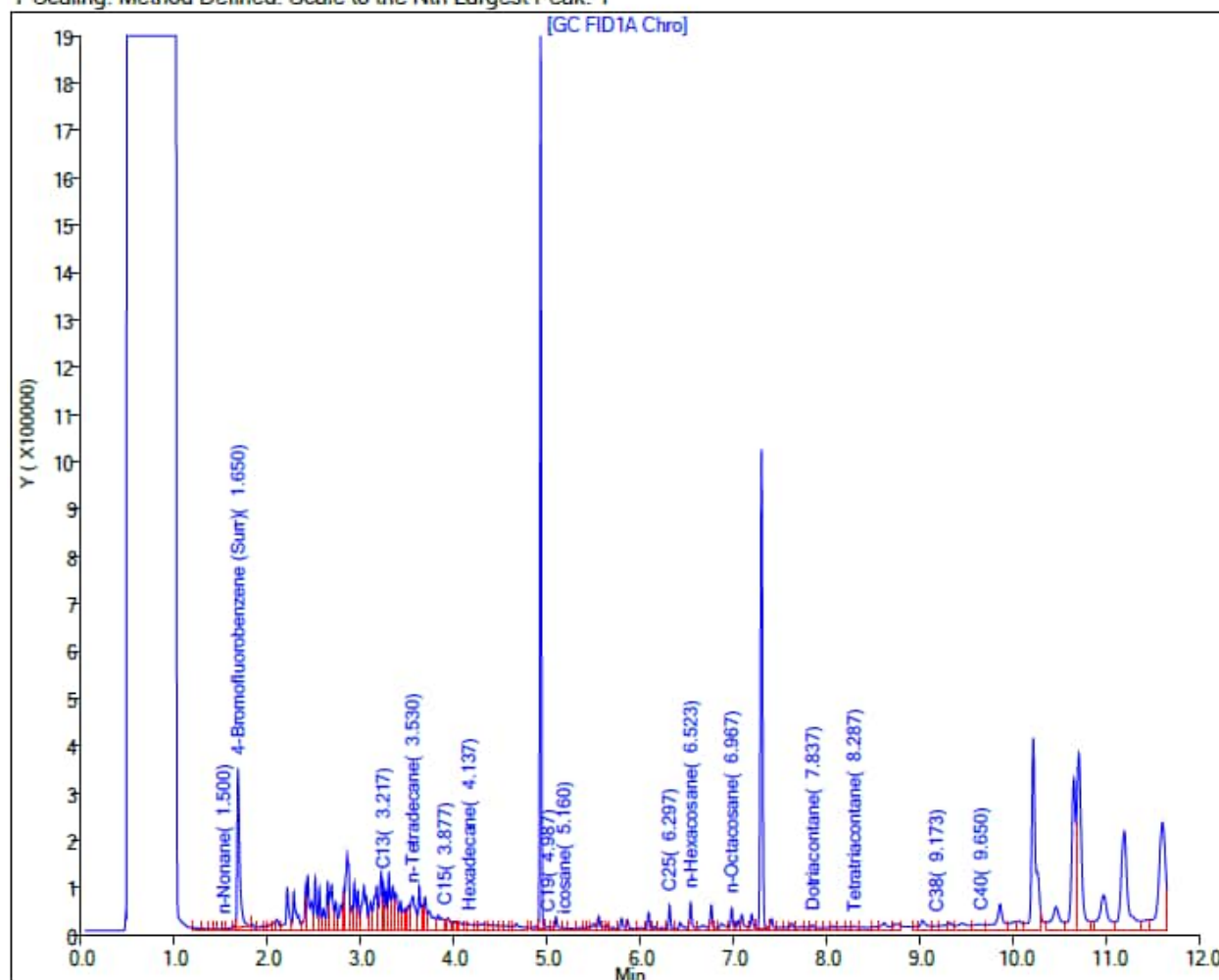
Injection Vol: 1.0 uL

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



Location: **RHMW02** Sample ID: RHMW02-WGN01B-2302WK4 Sample Date: 2/28/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 1800**

TPH-o (C24 to C40) 250 J

Report Date: 07-Mar-2023 11:48:51

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230306-87363.b\030623A046.D

Injection Date: 06-Mar-2023 19:19:17

Instrument ID: TAC129

Lims ID: 580-124109-N-7-A

Lab Sample ID: 580-124109-7

Client ID: RHMW02-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

17

Injection Vol: 1.0 uL

Dil. Factor:

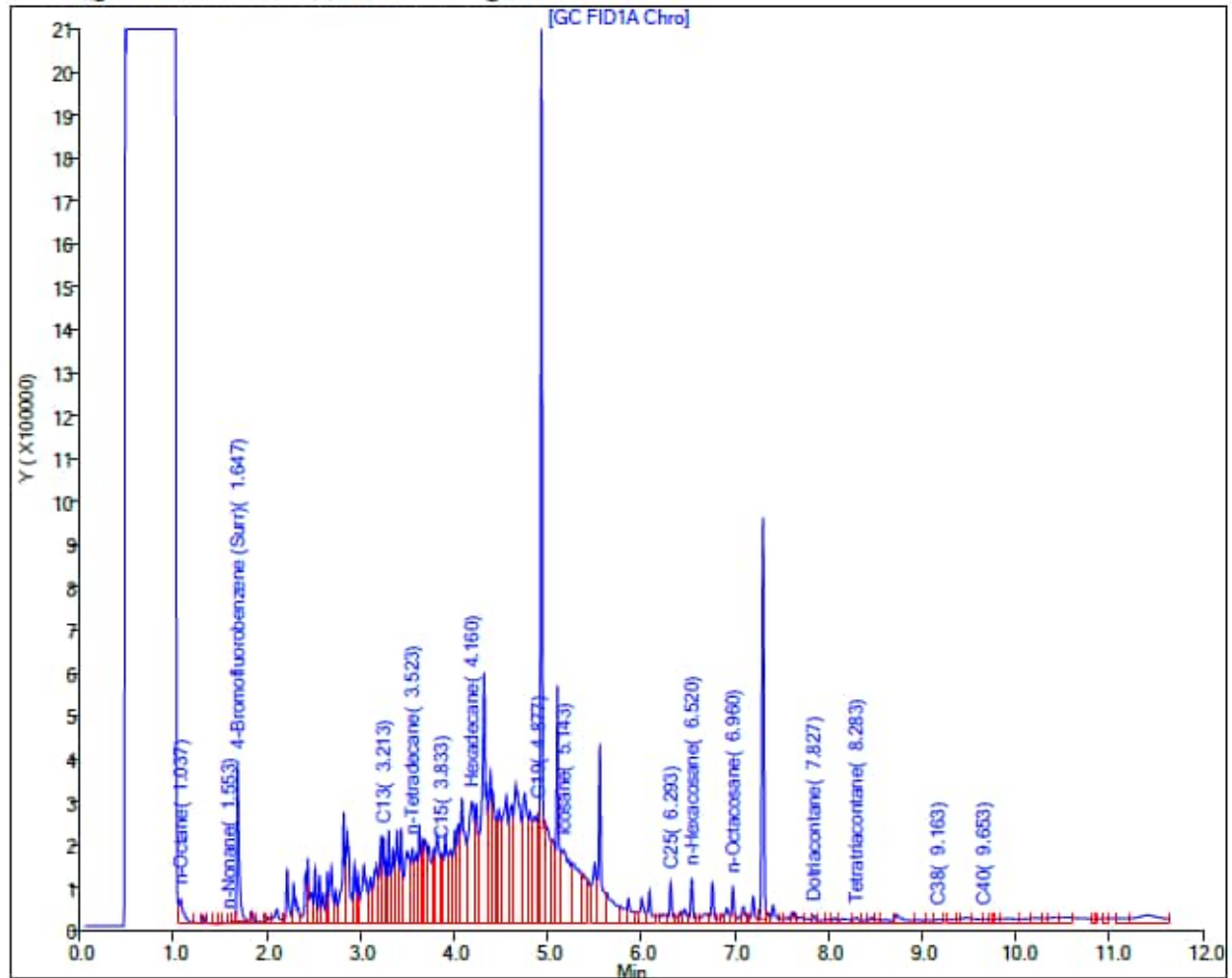
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 320

TPH-o SGC (C24 to C40) <310 U

Report Date: 07-Mar-2023 17:41:10

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurolins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A046.D

Injection Date: 07-Mar-2023 16:46:58

Instrument ID: TAC129

Lims ID: 580-124109-N-7-B

Lab Sample ID: 580-124109-7

Client ID: RHMW02-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 21

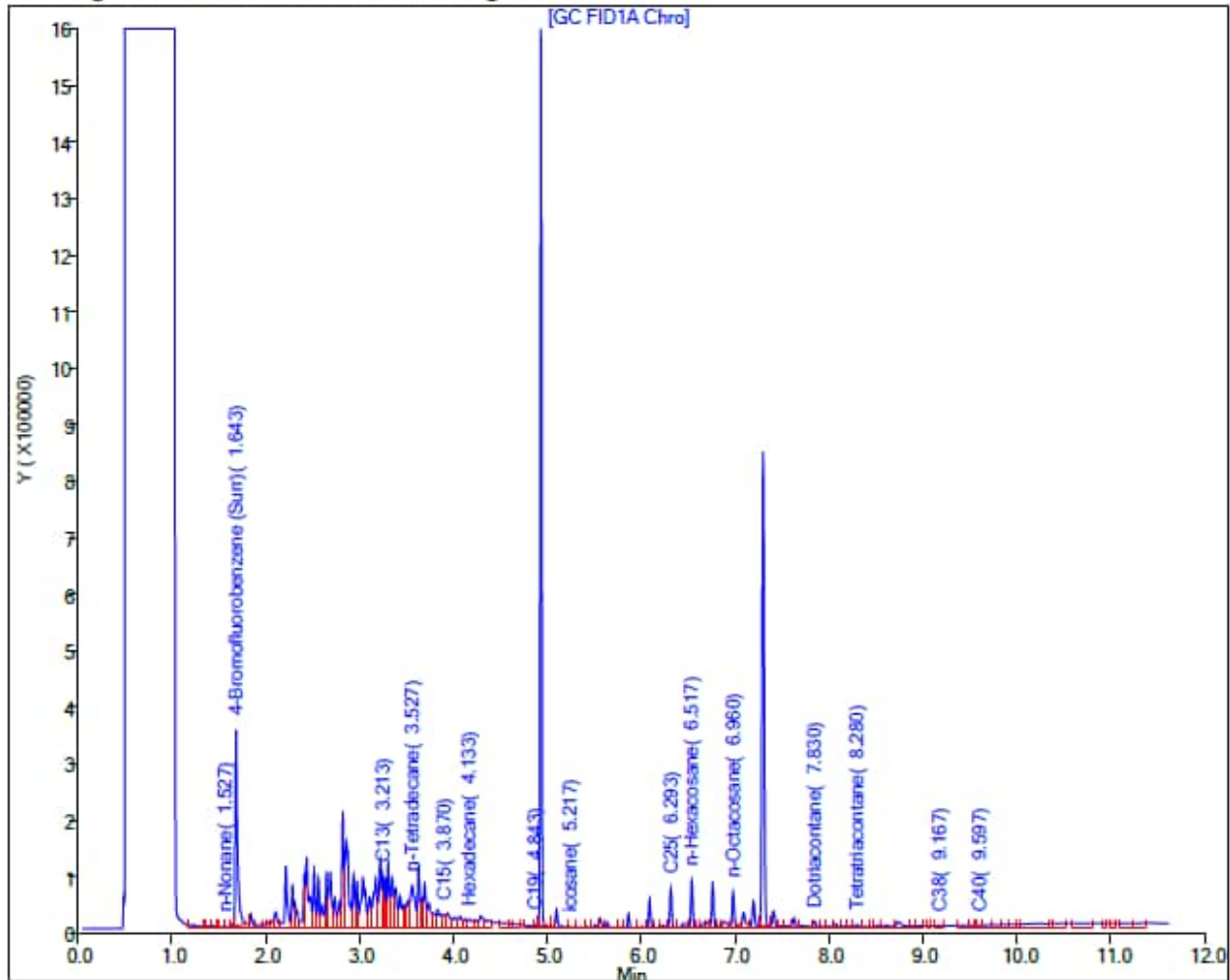
Injection Vol: 1.0 uL

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



Location: **RHMW02** Sample ID: RHMW02-WGN01B-2303WK1 Sample Date: 3/7/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 620**

TPH-o (C24 to C40) <310 U

Report Date: 13-Mar-2023 11:33:05

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87455.b\031023B044.D

Injection Date: 11-Mar-2023 01:46:44

Instrument ID: TAC129

Lims ID: 580-124459-O-1-A

Lab Sample ID: 580-124459-1

Client ID: RHMW02-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 22

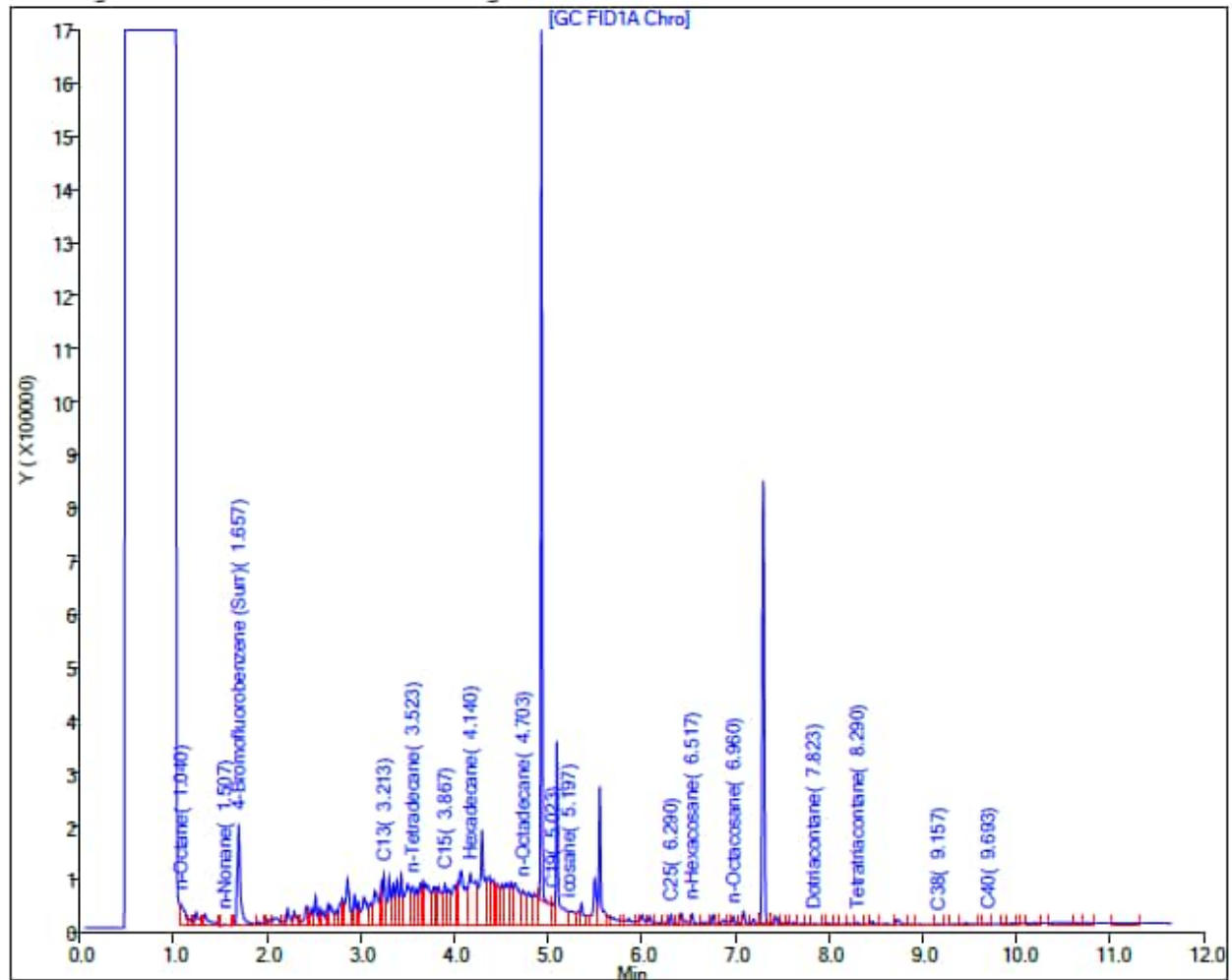
Injection Vol: 1.0 uL

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



Results (ug/L): TPH-d SGC (C10 to C24) 140

TPH-o SGC (C24 to C40) <310 U

Report Date: 14-Mar-2023 08:39:10

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\Eurofins Seattle

Injection Date: 13-Mar-2023 19:16:14

Lims ID: 580-124459-O-1-B

Client ID: RHMW02-WGN01B-2303WK1

Operator ID: KW

Injection Vol: 1.0 uL

Method: TPH-TAC129Front

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

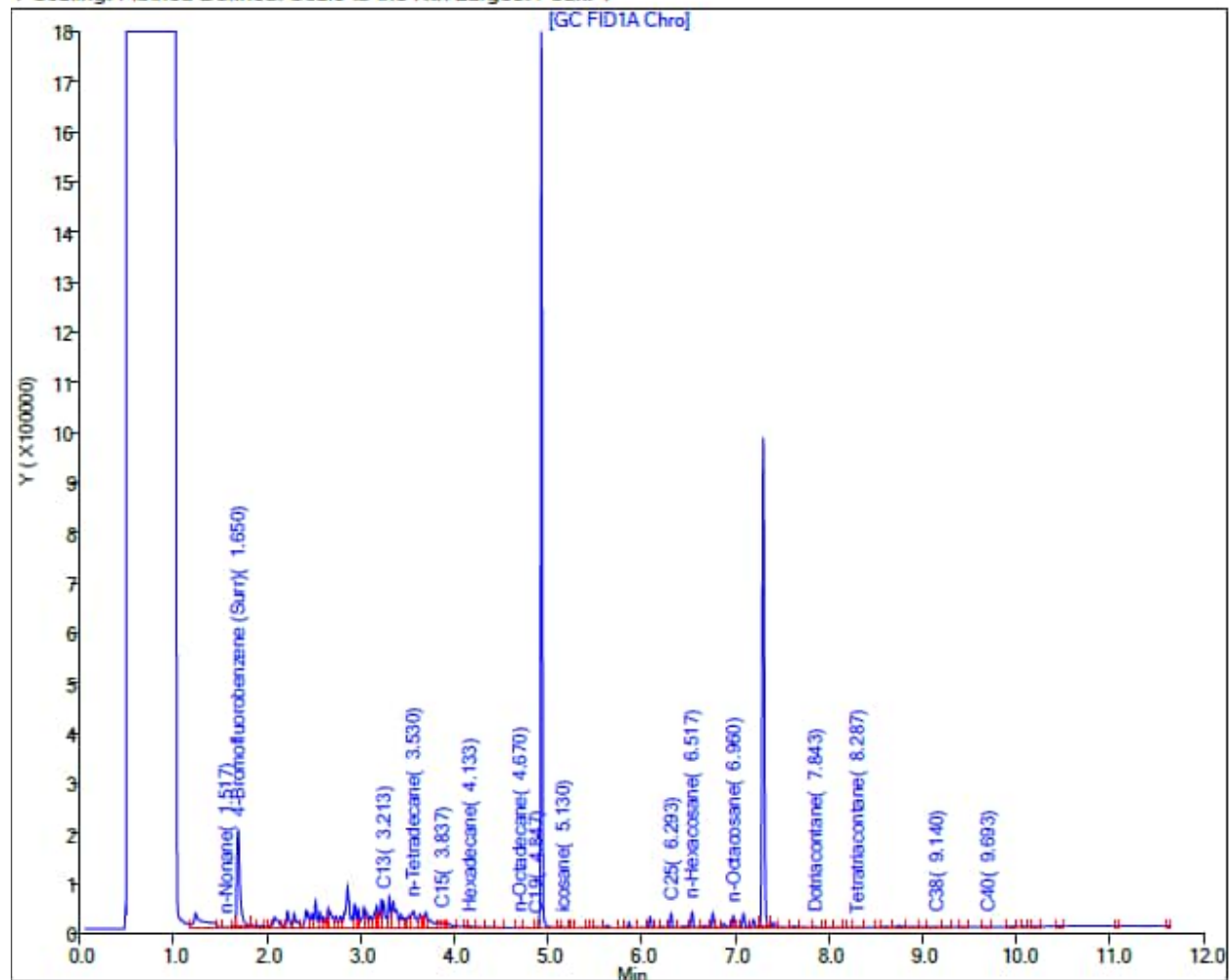
Instrument ID: TAC129

Lab Sample ID: 580-124459-1

ALS Bottle#: 0 Worklist Smp#: 13

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges



Location: **RHMW02**
Lab: Eurofins Seattle

Sample ID: RHMW02-WGN01B-2303WK3

Sample Date: 3/21/2023

Results (ug/L): **TPH-d (C10 to C24) 1500**

TPH-o (C24 to C40) <300 U

Report Date: 29-Mar-2023 07:52:40

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230328-87702.b\032823A042.D

Injection Date: 29-Mar-2023 03:18:05

Instrument ID: TAC020

Lims ID: 580-125125-N-1-A

Lab Sample ID: 580-125125-1

Client ID: RHMW02-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 42

Injection Vol: 1.0 ul

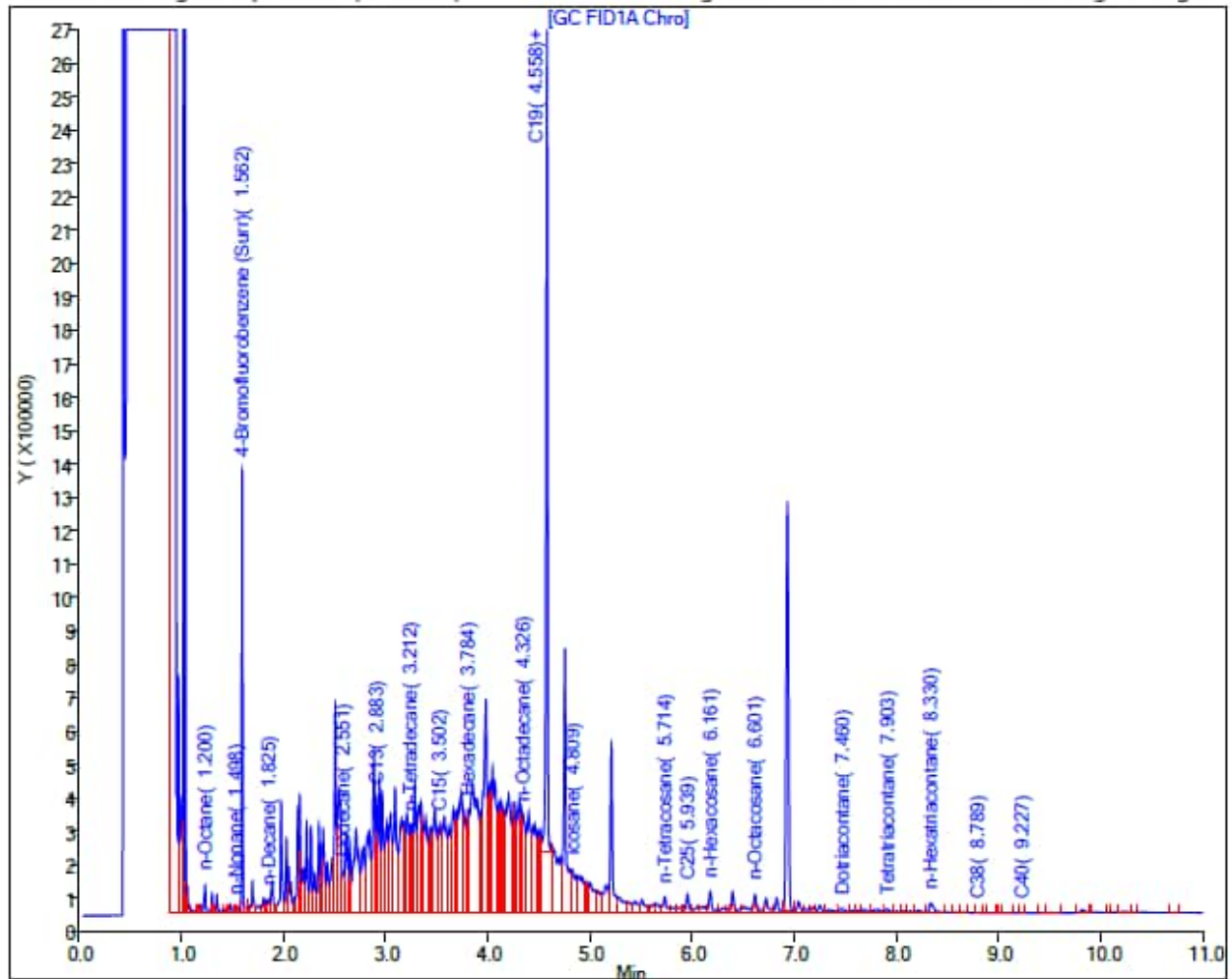
Dil. Factor: 1.0000

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



Results (ug/L): TPH-d SGC (C10 to C24) 460

TPH-o SGC (C24 to C40) <300 U

Report Date: 06-Apr-2023 08:54:26

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230405-87801.b\040523A028.D

Injection Date: 05-Apr-2023 19:39:20

Instrument ID: TAC020

Lims ID: 580-125125-N-1-B

Lab Sample ID: 580-125125-1

Client ID: RHMW02-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul

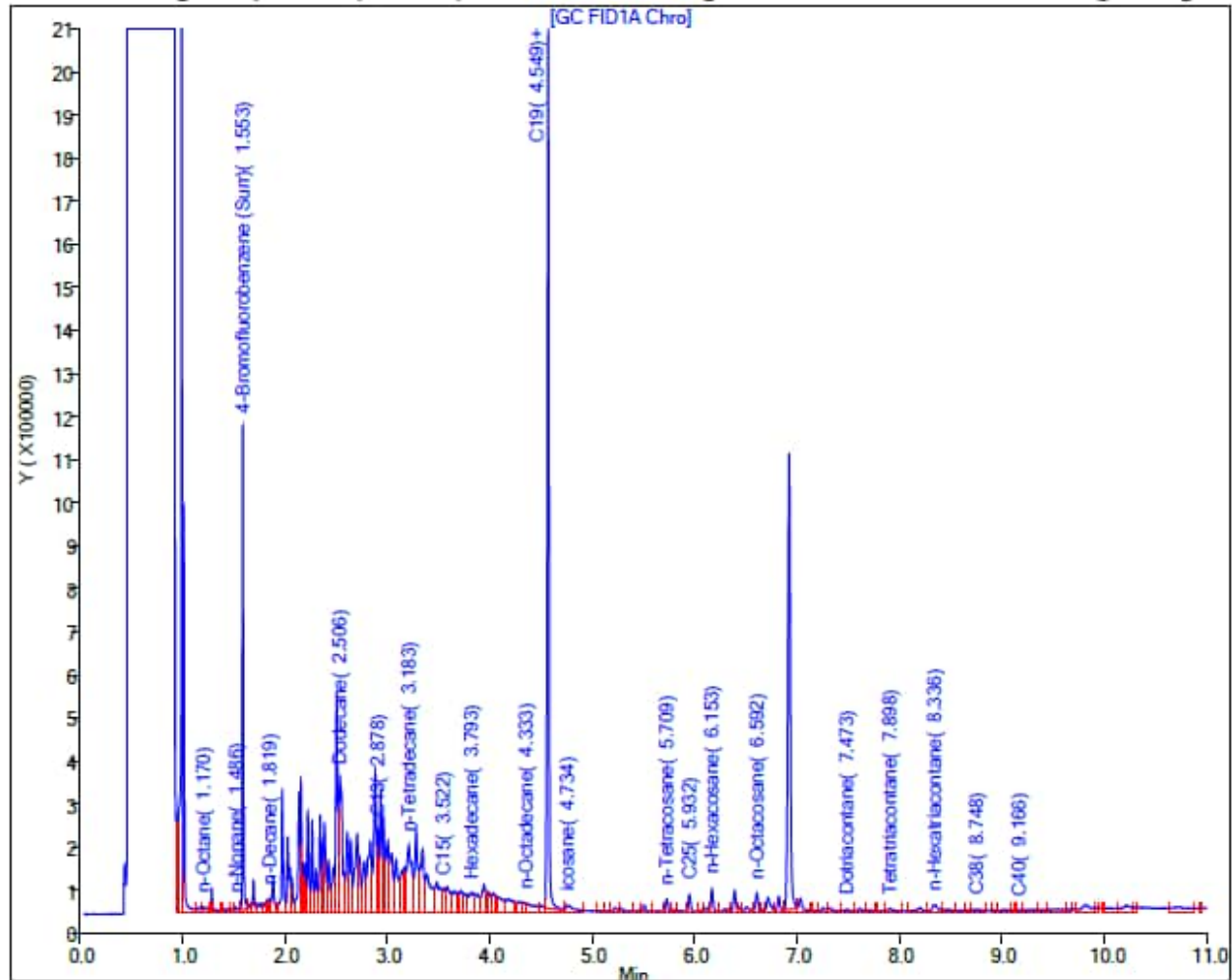
Dil. Factor: 1.0000

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: RHMW02
Lab: Eurofins Seattle

Sample ID: RHMW02-WGN01B-2303WK4

Sample Date: 3/28/2023

Results (ug/L): TPH-d (C10 to C24) 1300

TPH-o (C24 to C40) <310 U

Report Date: 05-Apr-2023 11:50:40

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A033.D

Injection Date: 04-Apr-2023 20:25:13

Instrument ID: TAC020

Lims ID: 580-125358-O-1-A

Lab Sample ID: 580-125358-1

Client ID: RHMW02-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 33

Injection Vol: 1.0 ul

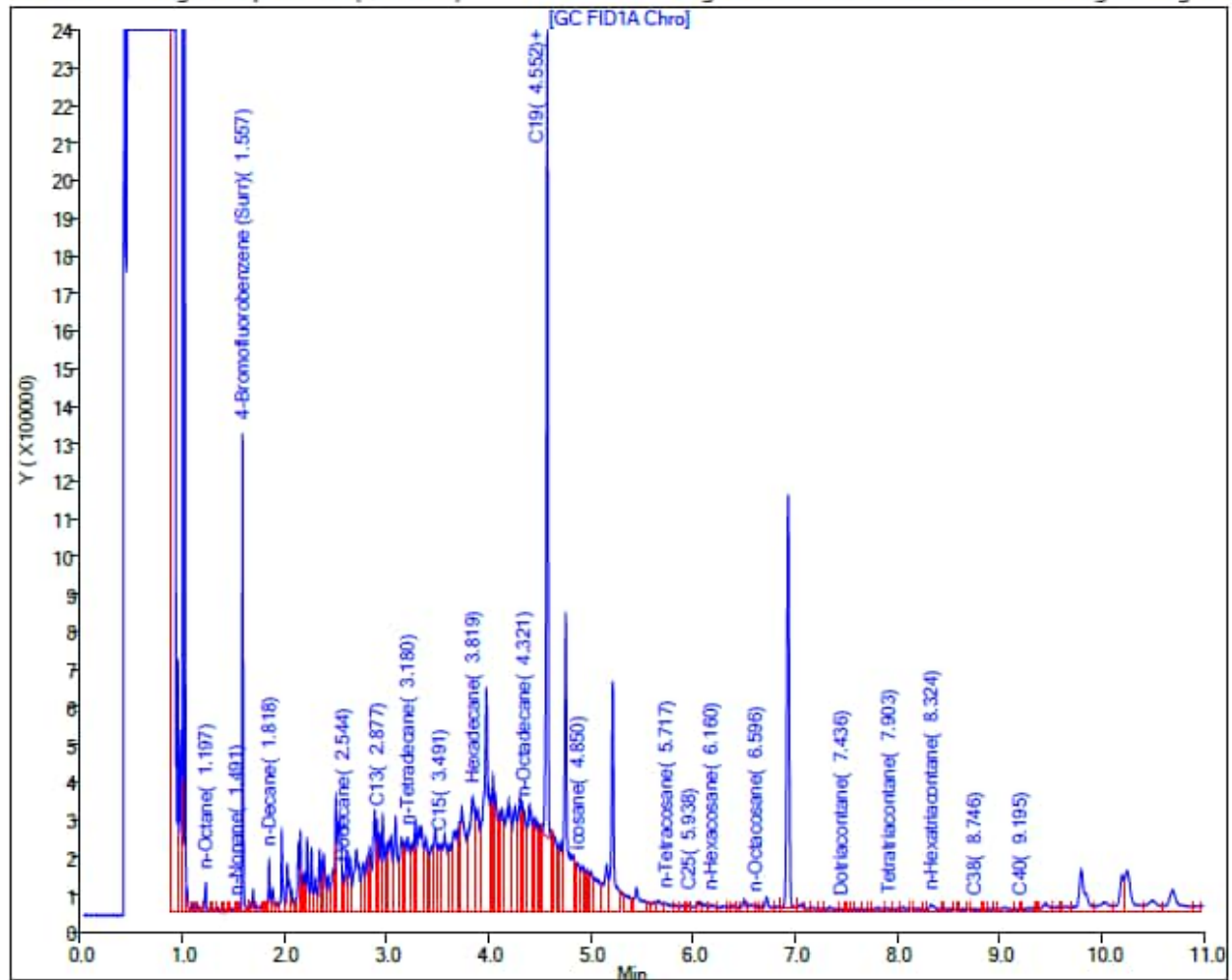
Dil. Factor: 1.0000

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



Results (ug/L): TPH-d SGC (C10 to C24) 290

TPH-o SGC (C24 to C40) <310 U

Report Date: 07-Apr-2023 09:23:17

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 07-Apr-2023 01:16:09

Lims ID: 580-125358-O-1-B

Client ID: RHMW02-WGN01B-2303WK4

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-TAC129Rear

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

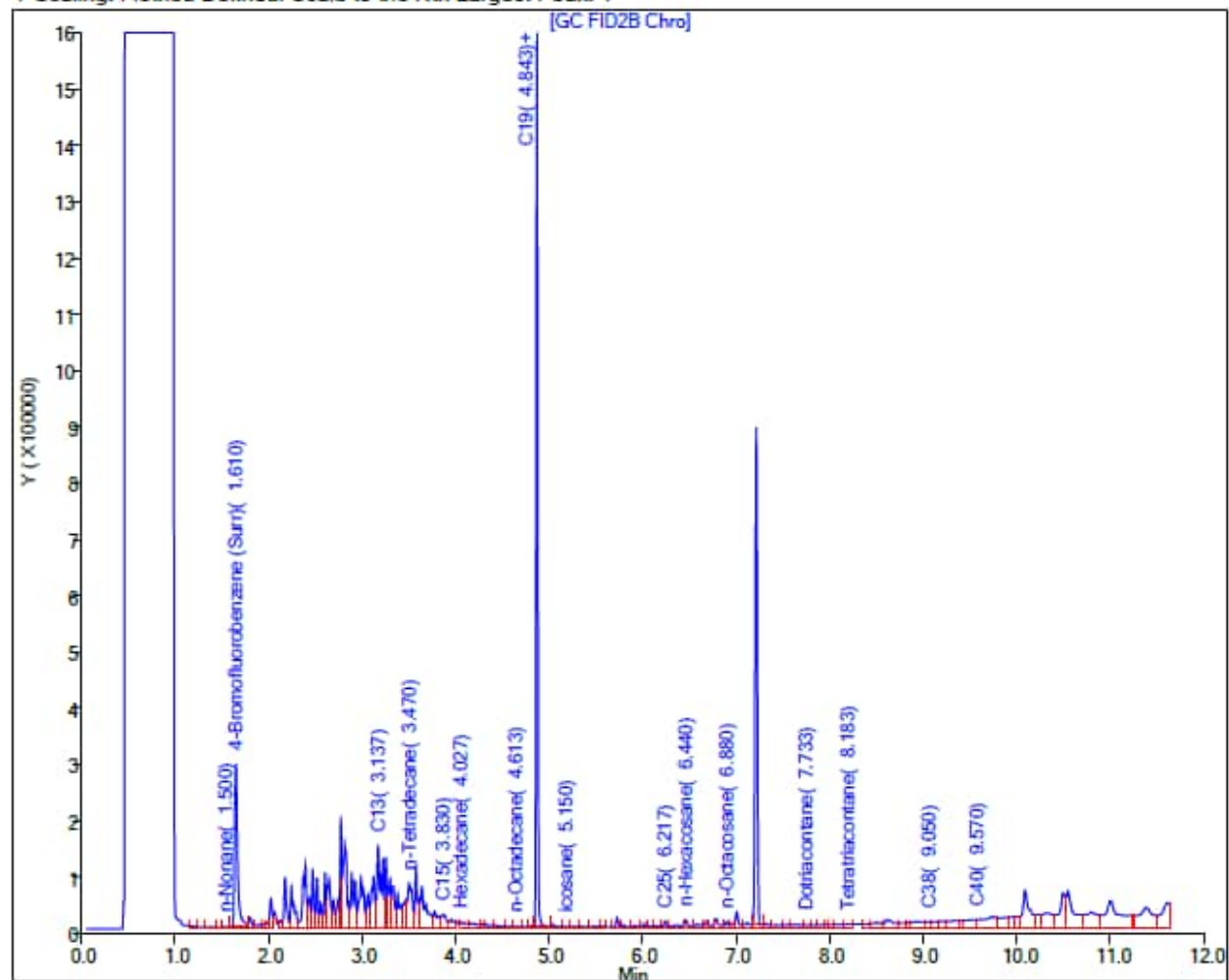
Instrument ID: TAC129_R

Lab Sample ID: 580-125358-1

ALS Bottle#: 0 Worklist Smp#: 18

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges



Location: **RHMW02** Sample ID: RHMW02-WGN01B-2304WK1 Sample Date: 4/4/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 1500**

TPH-o (C24 to C40) <300 U

Report Date: 11-Apr-2023 09:27:44

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230410-87867.b\041023A048.D

Injection Date: 11-Apr-2023 02:09:41

Instrument ID: TAC020

Lims ID: 580-125644-N-7-A

Lab Sample ID: 580-125644-7

Client ID: RHMW02-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 48

Injection Vol: 1.0 ul

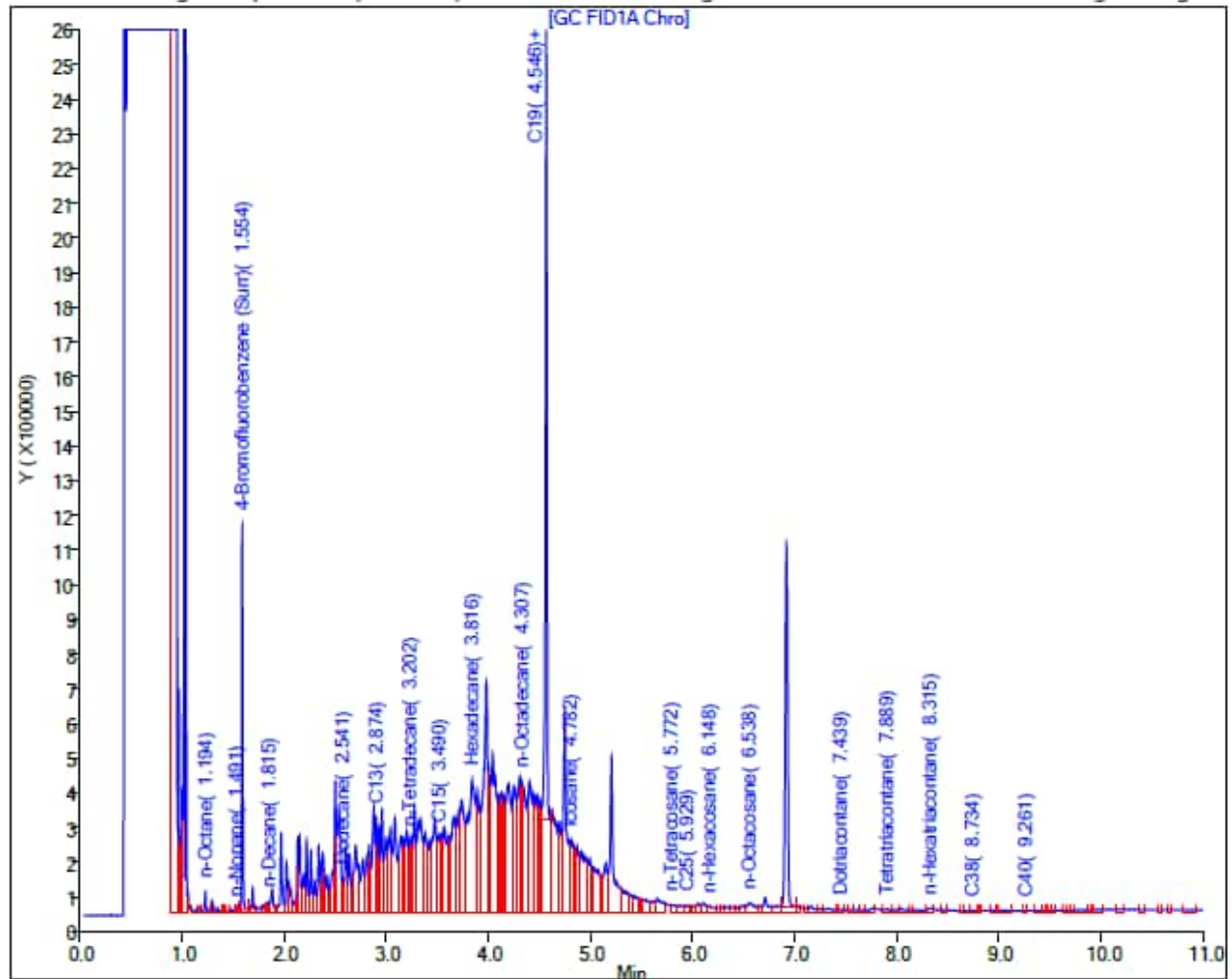
Dil. Factor: 1.0000

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) 400

TPH-o SGC (C24 to C40) <300 U

Report Date: 13-Apr-2023 09:29:39

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurolins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230411-87899.b\041123A008.D

Injection Date: 11-Apr-2023 16:24:59

Instrument ID: TAC020

Lims ID: 580-125644-N-7-B

Lab Sample ID: 580-125644-7

Client ID: RHMW02-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul

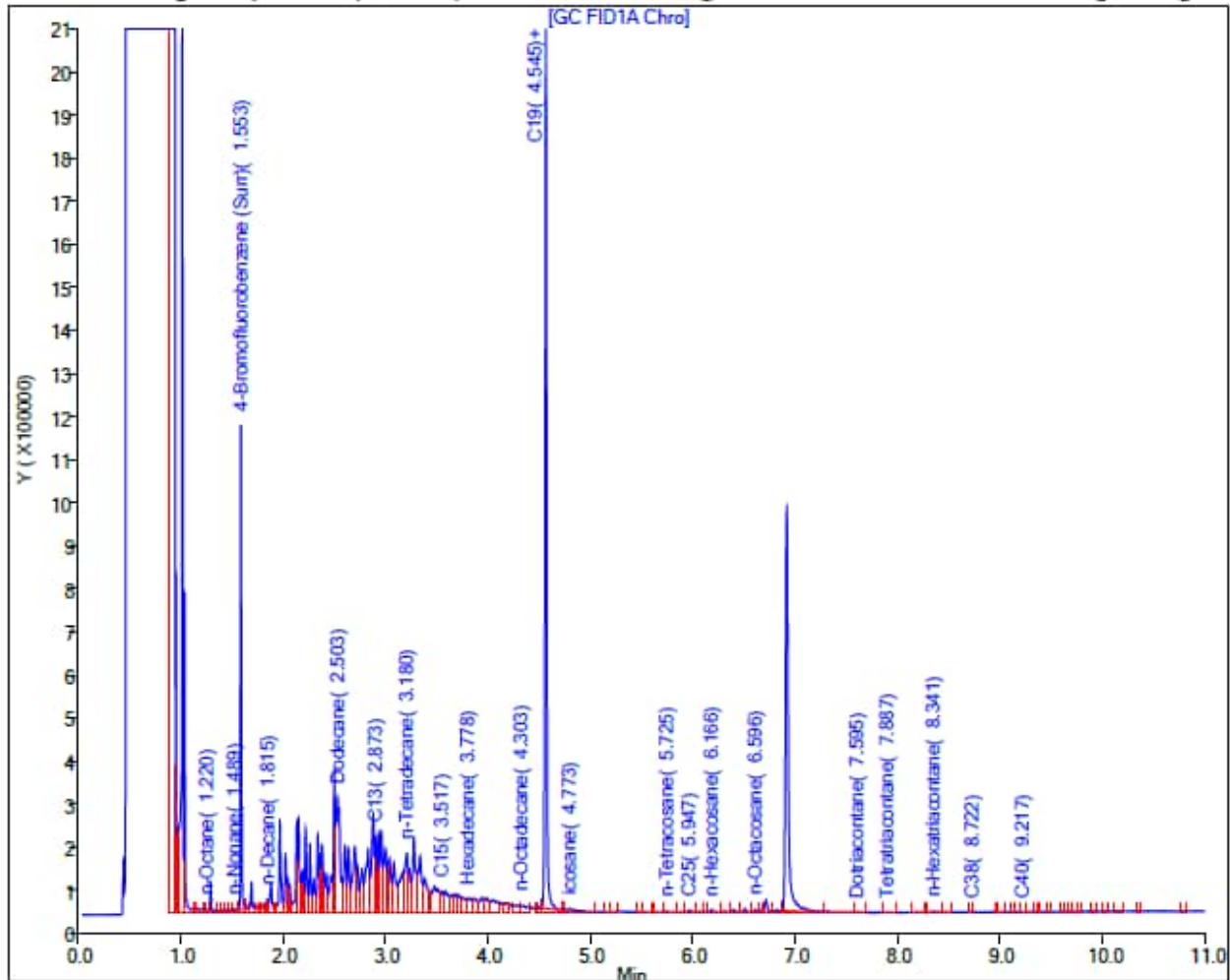
Dil. Factor: 1.0000

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



Location: **RHMW02** Sample ID: RHMW02-WGN01B-2305WK1 Sample Date: 5/2/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 2400**

TPH-o (C24 to C40) 220 J

Report Date: 08-May-2023 11:22:12

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230505-88280.b\050523B036.D

Injection Date: 06-May-2023 04:53:03

Instrument ID: TAC020

Lims ID: 580-126762-O-5-A

Lab Sample ID: 580-126762-5

Client ID: RHMW02-WGN01B-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 29

Injection Vol: 1.0 ul

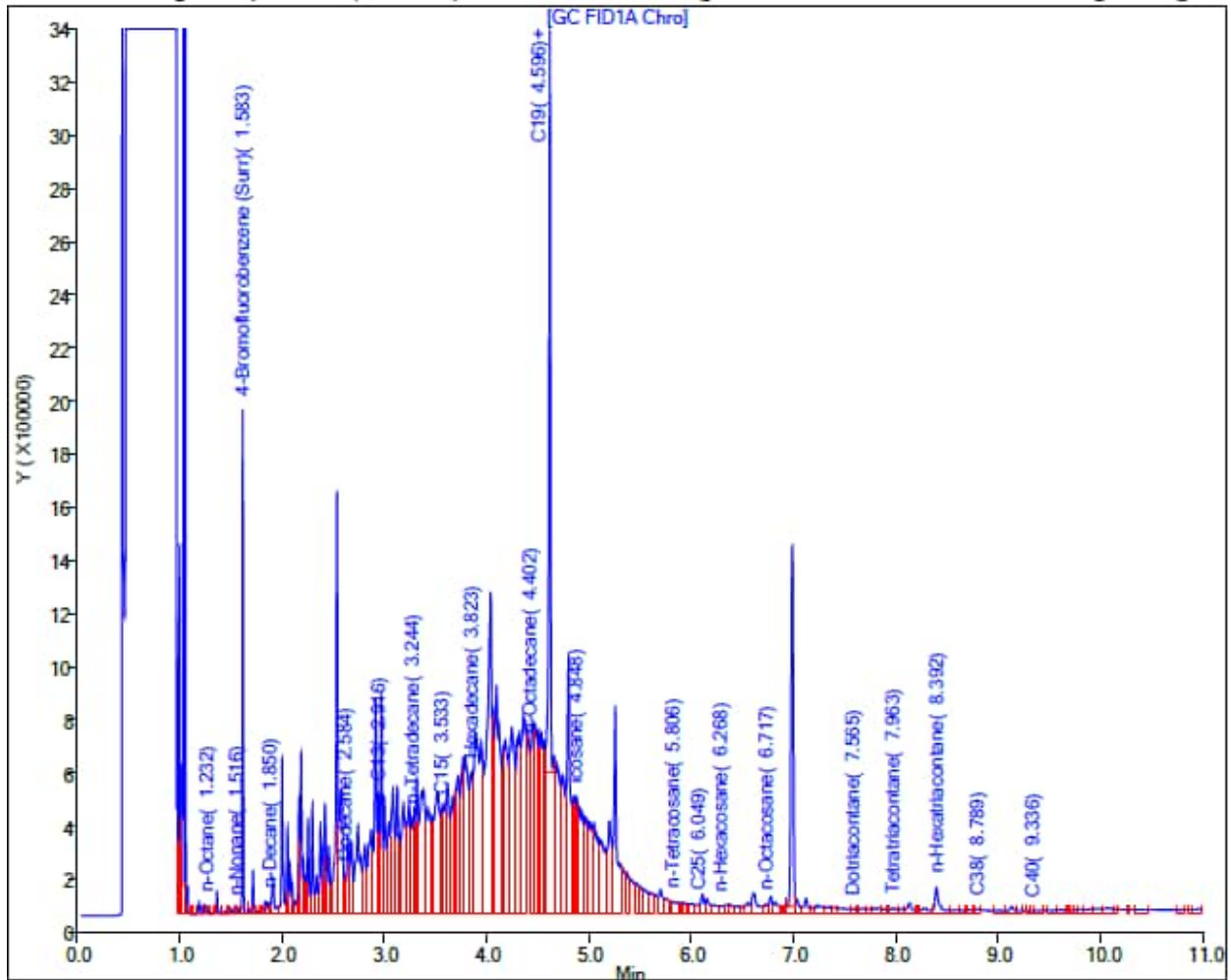
Dil. Factor: 1.0000

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



Results (ug/L): TPH-d SGC (C10 to C24) 600

TPH-o SGC (C24 to C40) <300 U

Report Date: 11-May-2023 16:13:57

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230510-88355.b\051023C057.D

Injection Date: 11-May-2023 14:43:25

Instrument ID: TAC020

Lims ID: 580-126762-O-5-B

Lab Sample ID: 580-126762-5

Client ID: RHMW02-WGN01B-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 57

Injection Vol: 1.0 ul

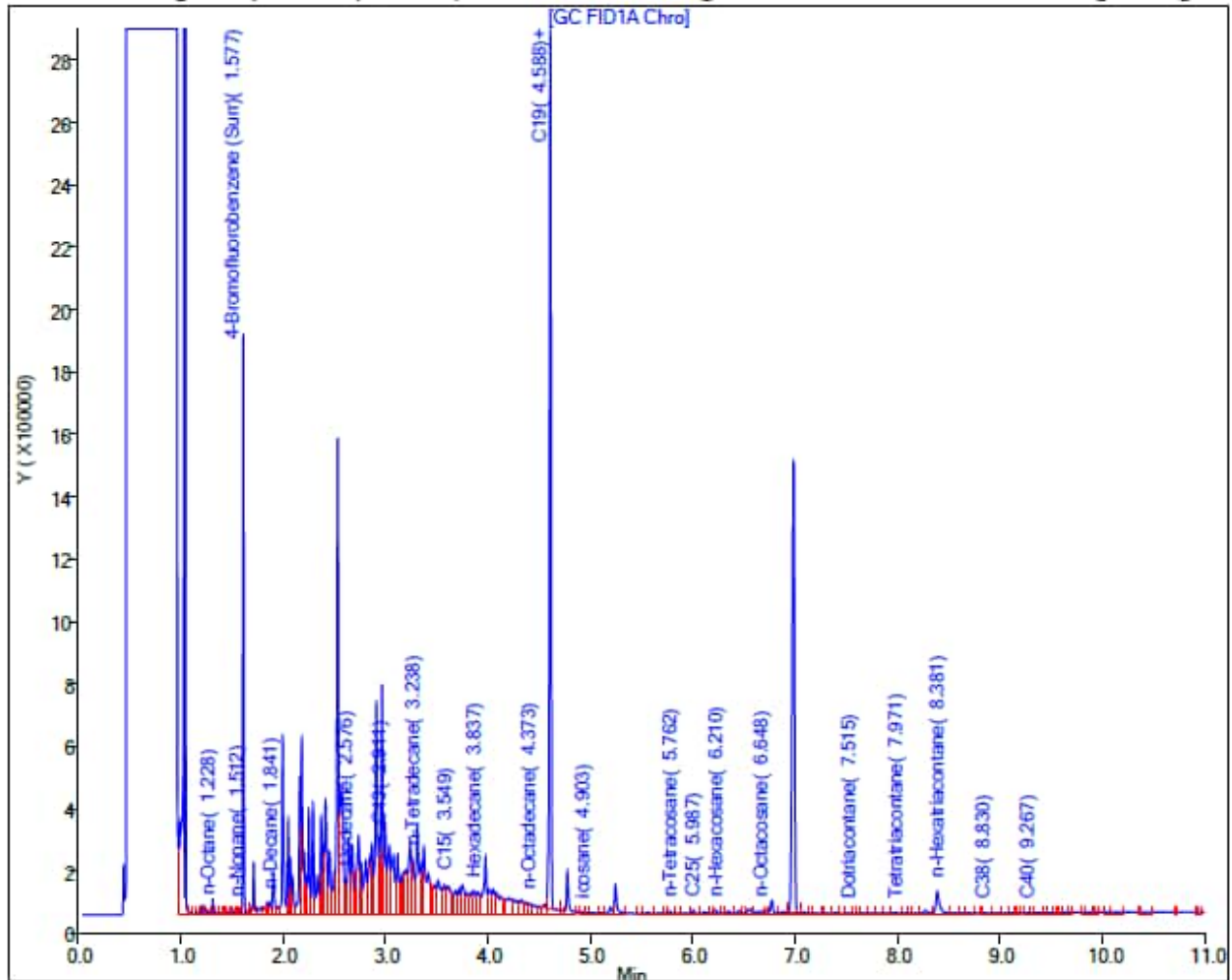
Dil. Factor: 1.0000

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-2302WK2

Sample Date: 2/14/2023

Results (ug/L): **TPH-d (C10 to C24) 150**

TPH-o (C24 to C40) 220 J

Report Date: 20-Feb-2023 09:46:44

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230217-87149.b\021723A043.D

Injection Date: 17-Feb-2023 20:14:06

Instrument ID: TAC129_R

Lims ID: 580-123602-O-3-A

Lab Sample ID: 580-123602-3

Client ID: RHMW03-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 17

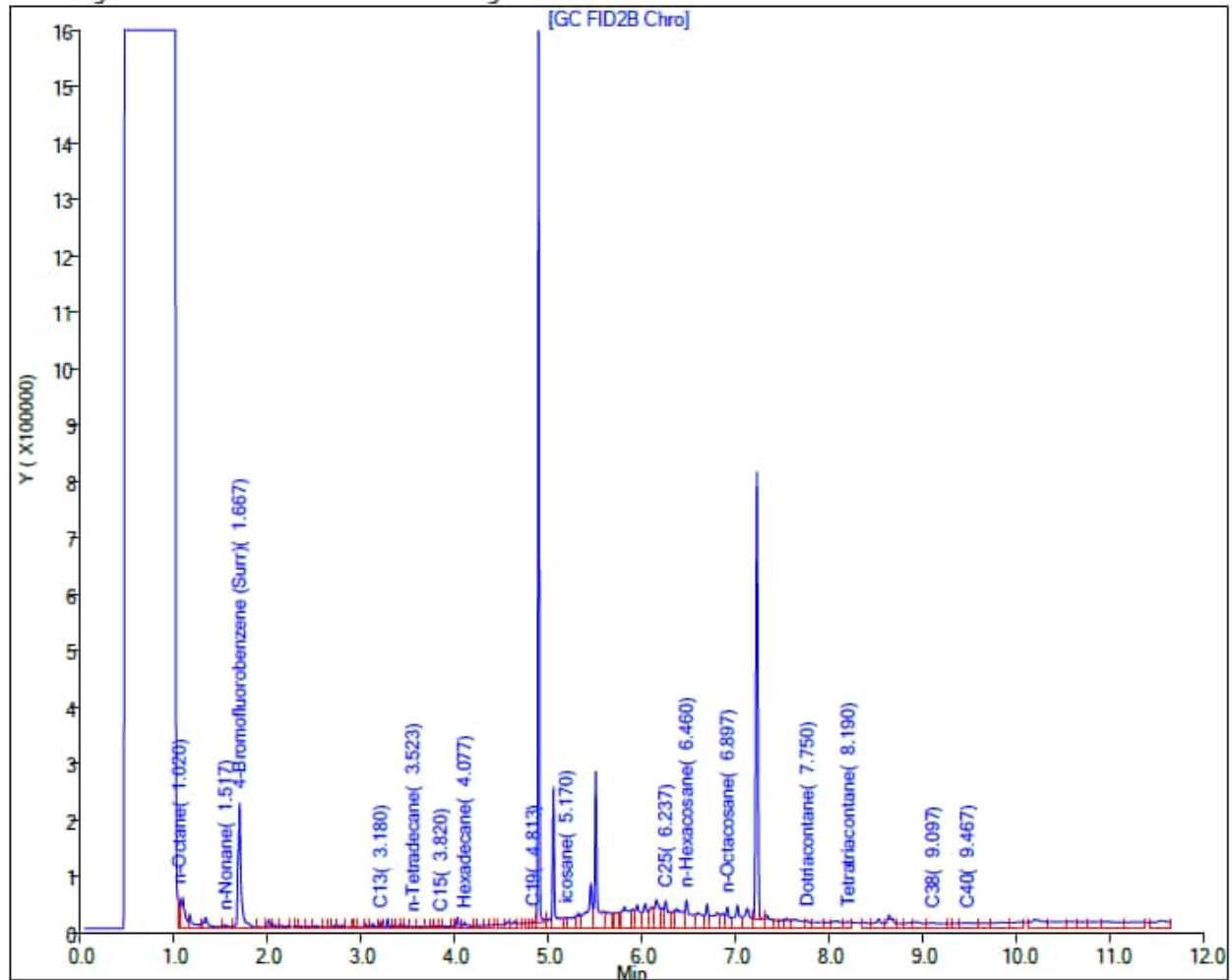
Injection Vol: 1.0 uL

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



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 20-Feb-2023 16:15:12

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230220-87164.b\022023_008.D

Injection Date: 20-Feb-2023 13:38:31

Instrument ID: TAC020

Lims ID: 580-123602-O-3-B

Lab Sample ID: 580-123602-3

Client ID: RHMW03-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul

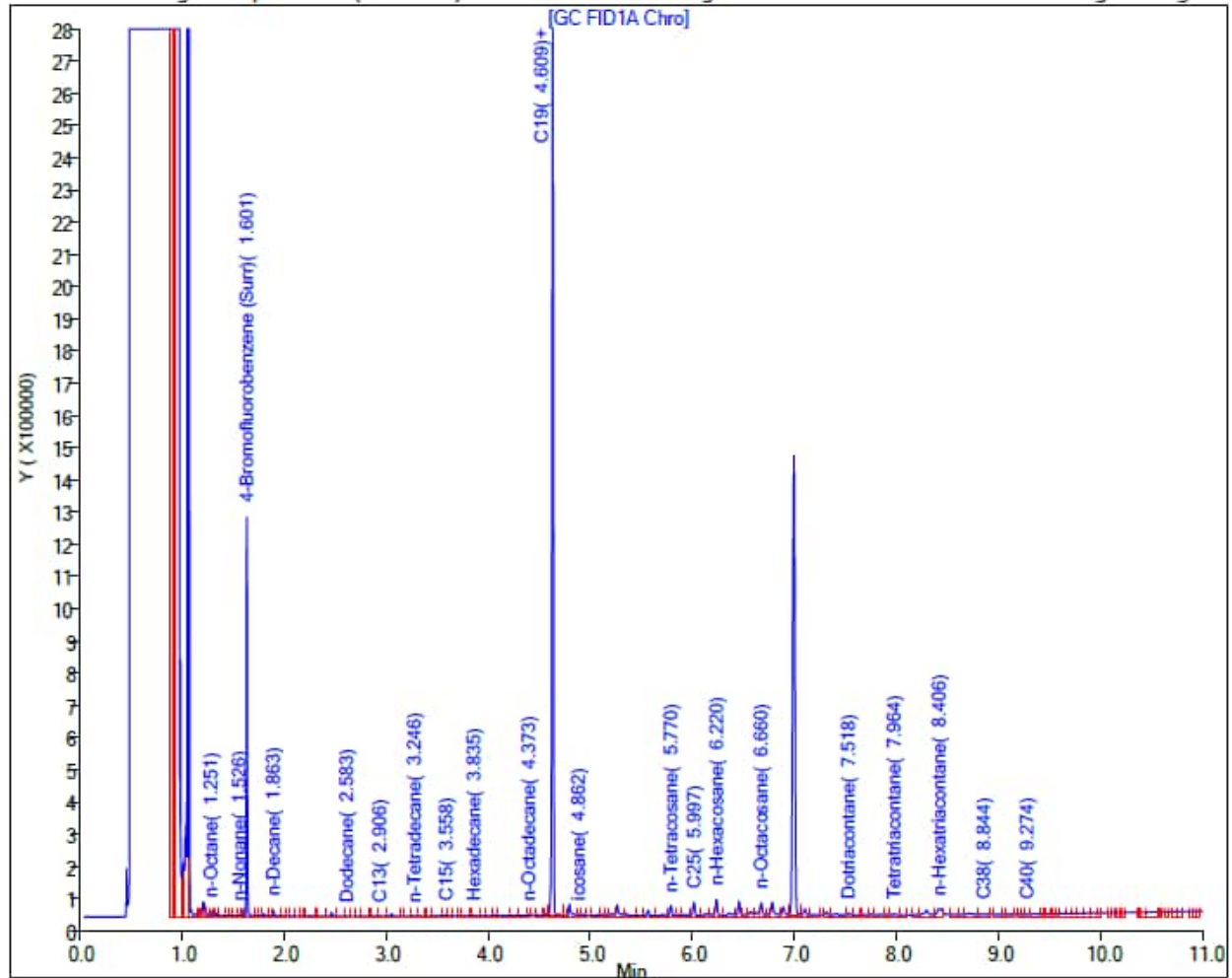
Dil. Factor: 1.0000

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



Location: **RHMW03**
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2302WK3

Sample Date: 2/21/2023

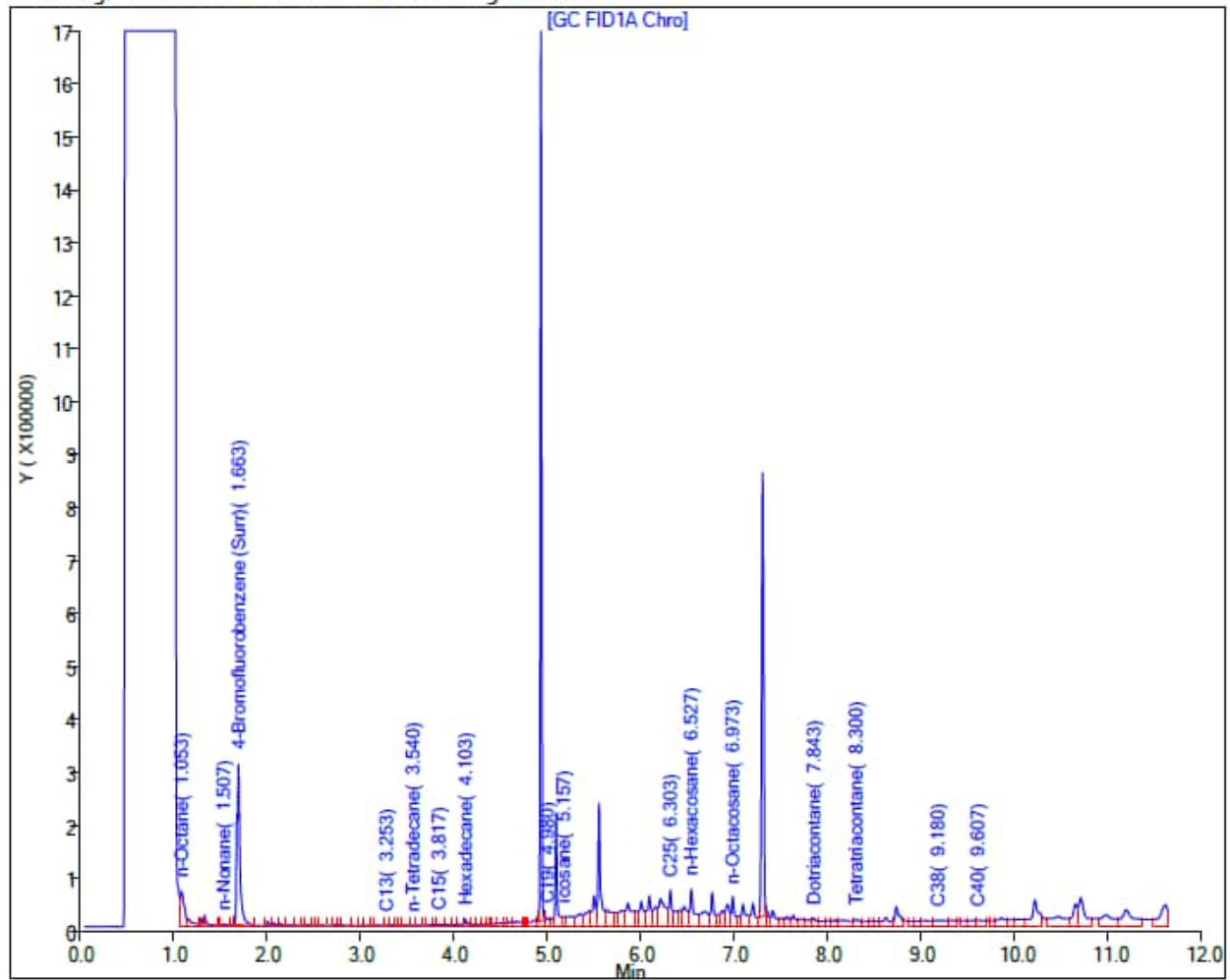
Results (ug/L): **TPH-d (C10 to C24) 130**

TPH-o (C24 to C40) 200 J

Report Date: 28-Feb-2023 10:01:20

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230227-87261.b\022723A028.D
Injection Date: 27-Feb-2023 21:53:48 Instrument ID: TAC129
Lims ID: 580-123907-N-1-A Lab Sample ID: 580-123907-1
Client ID: RHMW03-WGN01B-2302WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 14
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: 02-Mar-2023 10:21:37

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\030123A018.D

Injection Date: 01-Mar-2023 17:17:29

Instrument ID: TAC129

Lims ID: 580-123907-N-1-B

Lab Sample ID: 580-123907-1

Client ID: RHMW03-WGN01B-2302WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 56

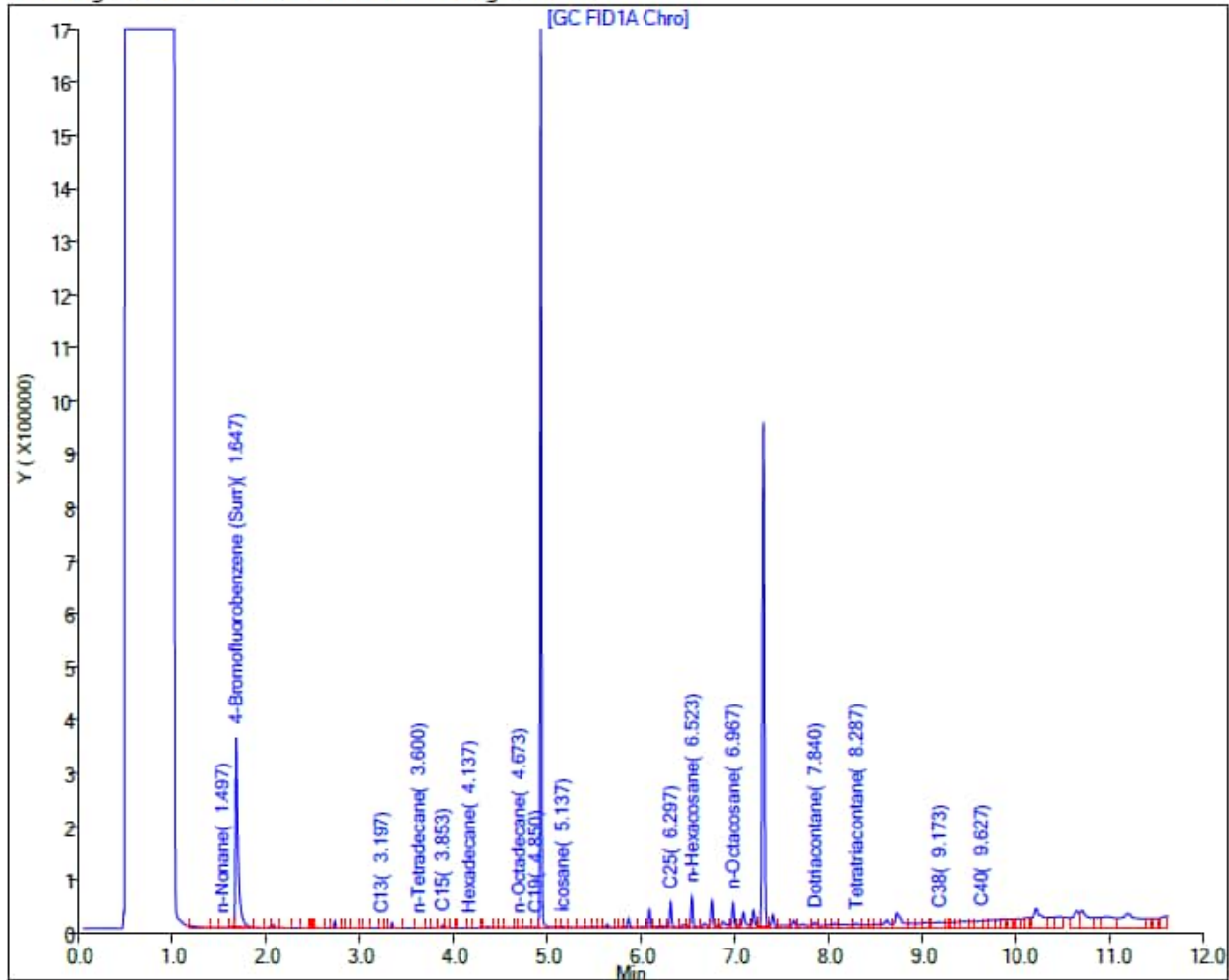
Injection Vol: 1.0 uL

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



Location: **RHMW03**
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2302WK4

Sample Date: 2/28/2023

Results (ug/L): **TPH-d (C10 to C24) 120**

TPH-o (C24 to C40) 200 J

Report Date: 07-Mar-2023 11:48:28

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230306-87363.b\030623A038.D

Injection Date: 06-Mar-2023 18:04:41

Instrument ID: TAC129

Lims ID: 580-124114-O-6-A

Lab Sample ID: 580-124114-6

Client ID: RHMW03-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

13

Injection Vol: 1.0 uL

Dil. Factor:

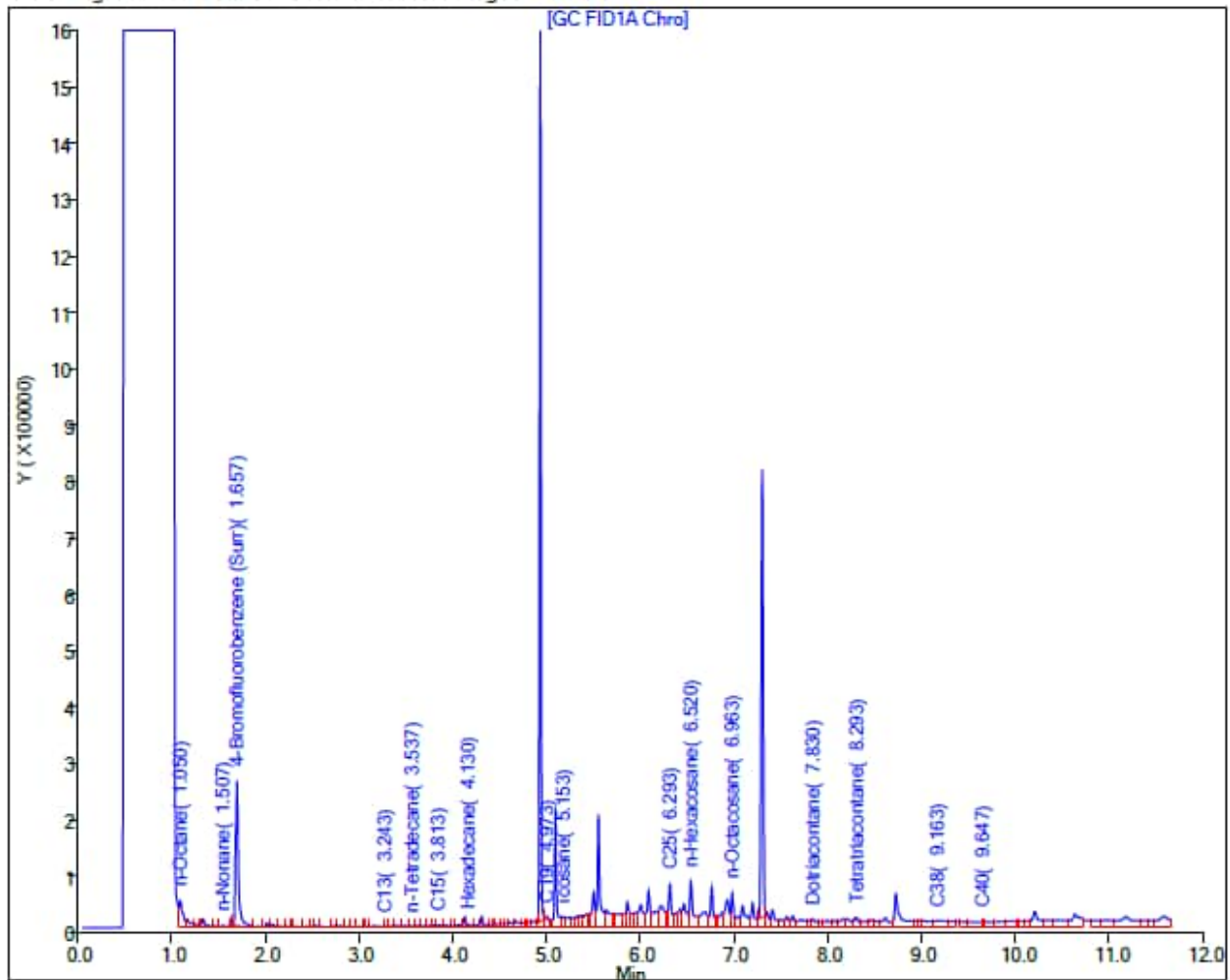
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 07-Mar-2023 17:41:03

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A042.D

Injection Date: 07-Mar-2023 16:09:28

Instrument ID: TAC129

Lims ID: 580-124114-O-6-B

Lab Sample ID: 580-124114-6

Client ID: RHMW03-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 19

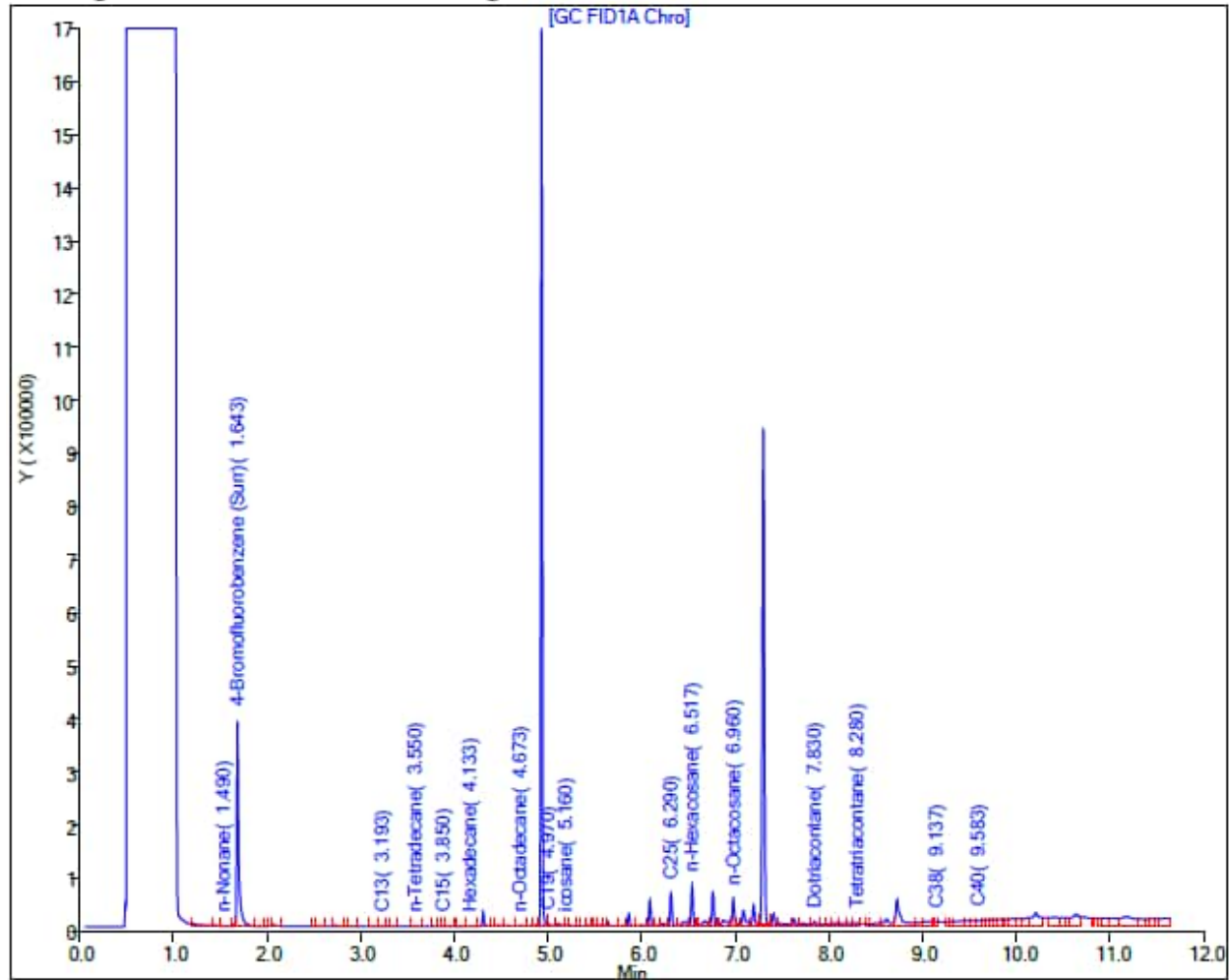
Injection Vol: 1.0 uL

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: **RHMW03** Sample ID: RHMW03-WGN01B-2303WK1 Sample Date: 3/7/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 300**

TPH-o (C24 to C40) 340

Report Date: 13-Mar-2023 11:32:51

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87455.b\031023B036.D

Injection Date: 11-Mar-2023 00:32:30

Instrument ID: TAC129

Lims ID: 580-124459-O-9-A

Lab Sample ID: 580-124459-9

Client ID: RHMW03-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 18

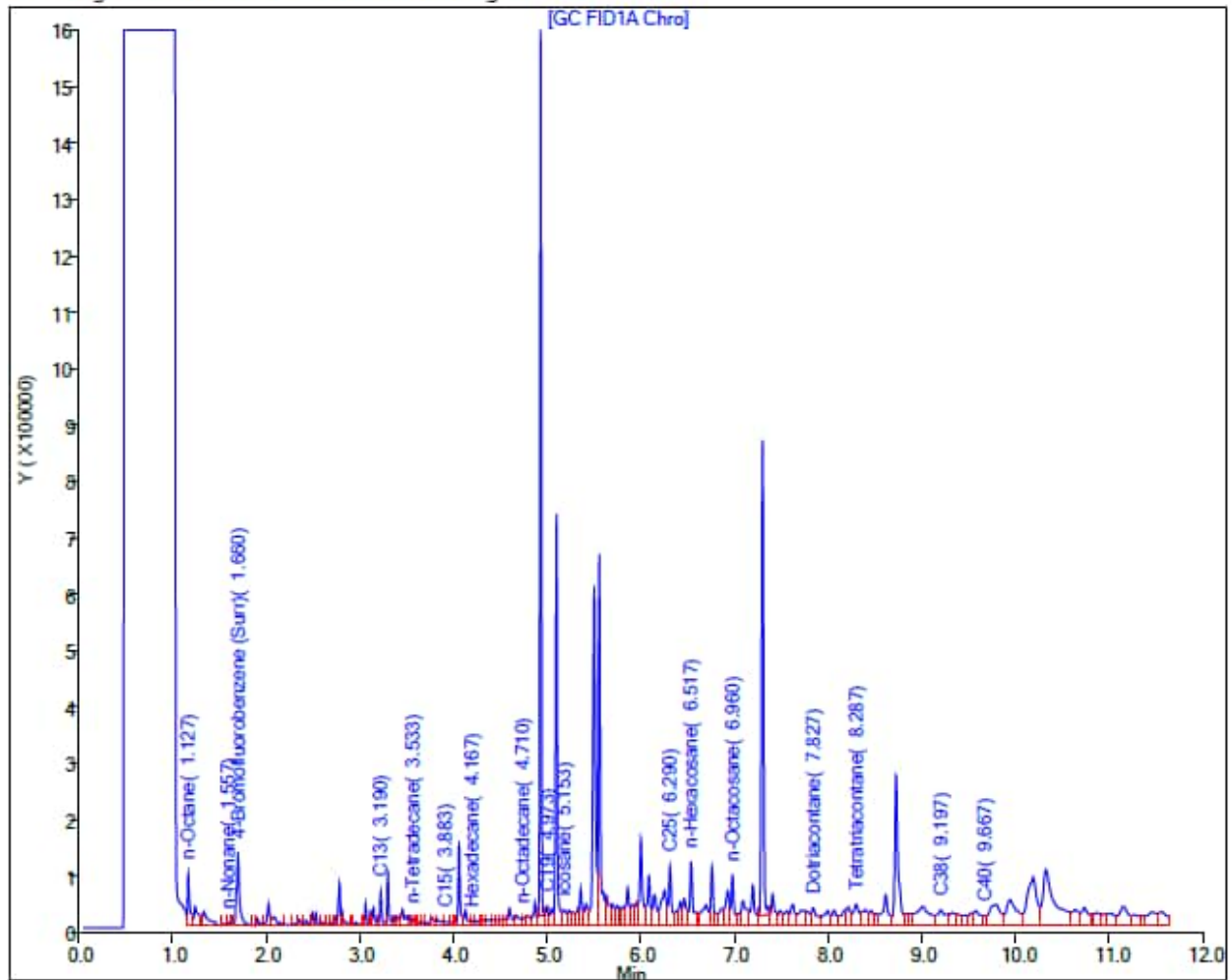
Injection Vol: 1.0 uL

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



Results (ug/L): TPH-d SGC (C10 to C24) 76 J

TPH-o SGC (C24 to C40) <250 U

Report Date: 14-Mar-2023 08:39:04

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230313-87469.b\031323A044.D

Injection Date: 13-Mar-2023 18:38:51

Instrument ID: TAC129

Lims ID: 580-124459-O-9-B

Lab Sample ID: 580-124459-9

Client ID: RHMW03-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 11

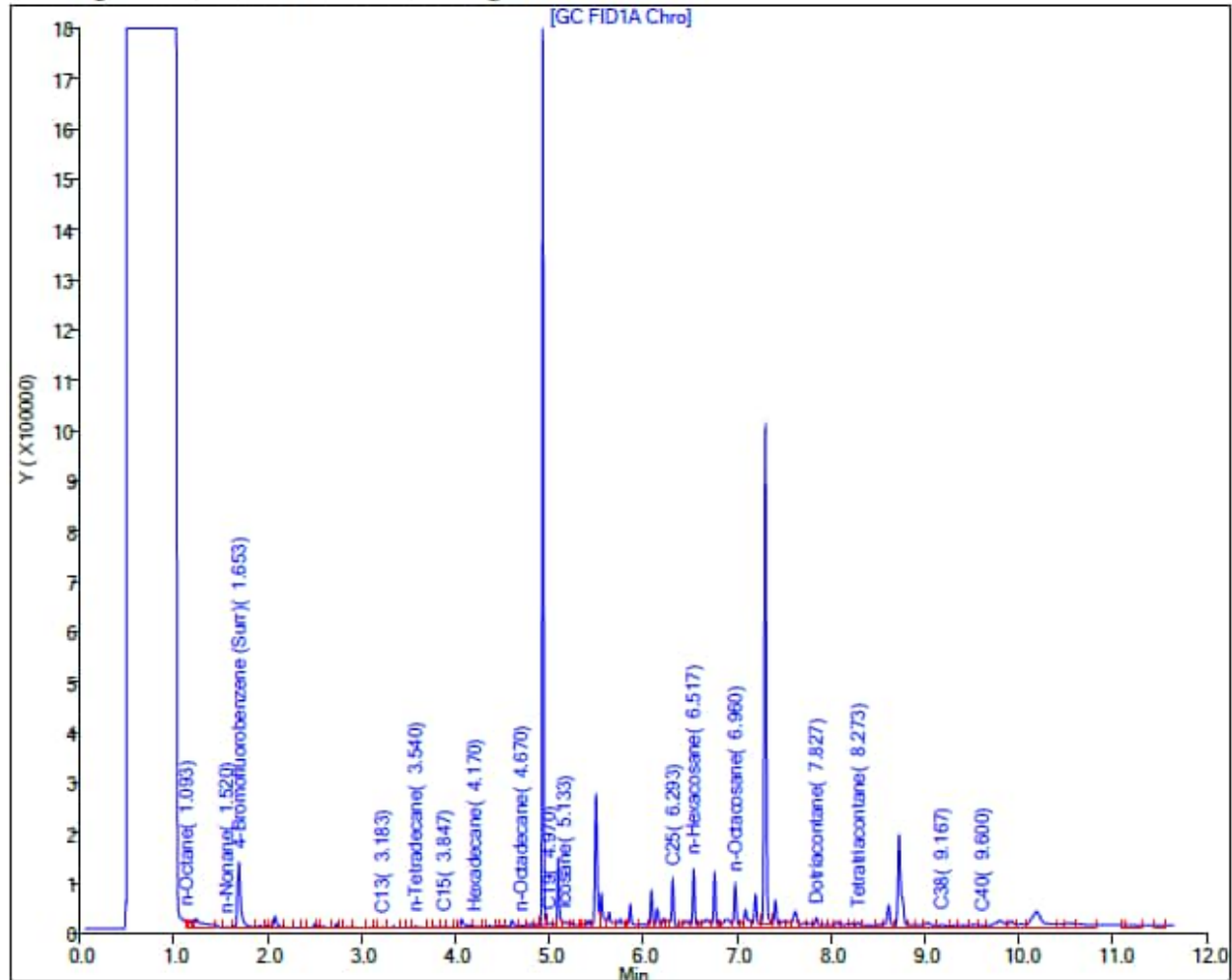
Injection Vol: 1.0 uL

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** Sample ID: RHMW03-WGN01B-2303WK3 Sample Date: 3/21/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 190**

TPH-o (C24 to C40) 240 J

Report Date: 29-Mar-2023 07:52:59

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230328-87702.b\032823A046.D

Injection Date: 29-Mar-2023 04:38:55

Instrument ID: TAC020

Lims ID: 580-125125-O-11-A

Lab Sample ID: 580-125125-11

Client ID: RHMW03-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 46

Injection Vol: 1.0 ul

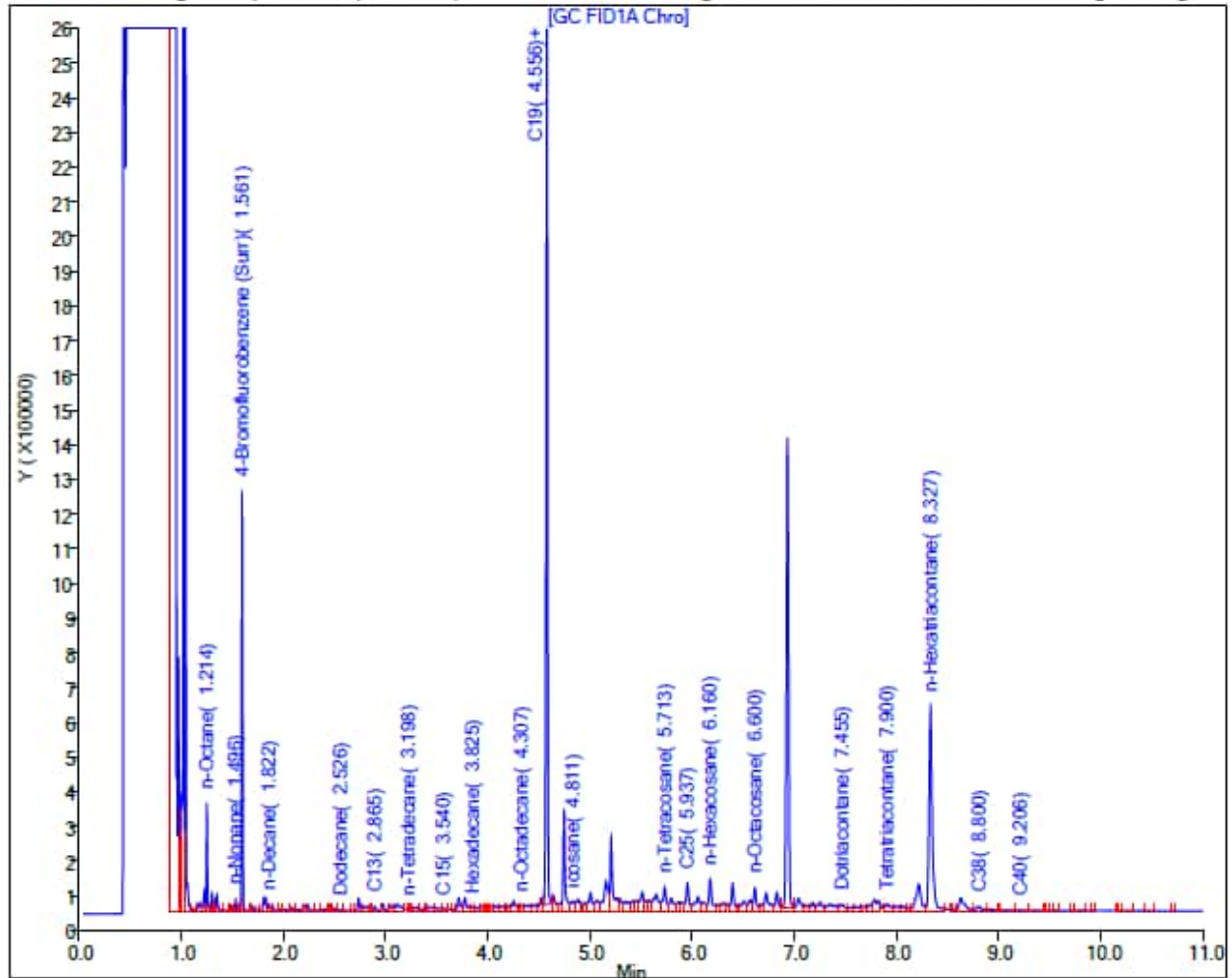
Dil. Factor: 1.0000

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: 06-Apr-2023 08:54:36

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurolins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230405-87801.b\040523A030.D

Injection Date: 05-Apr-2023 20:19:39

Instrument ID: TAC020

Lims ID: 580-125125-O-11-B

Lab Sample ID: 580-125125-11

Client ID: RHMW03-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 29

Injection Vol: 1.0 ul

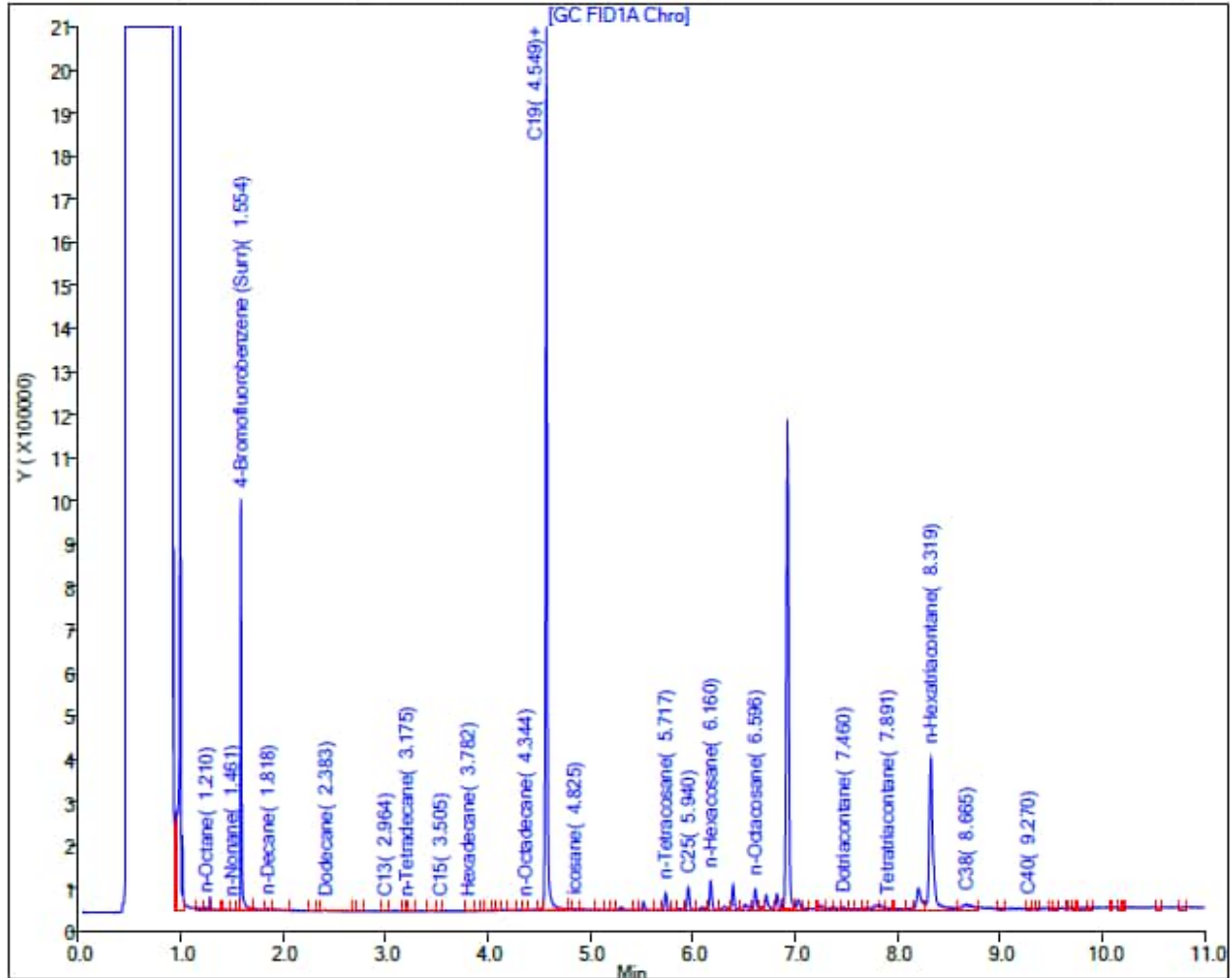
Dil. Factor: 1.0000

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: RHMW03
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2303WK4

Sample Date: 3/28/2023

Results (ug/L): TPH-d (C10 to C24) 210

TPH-o (C24 to C40) 270 J

Report Date: 05-Apr-2023 11:51:25

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A036.D

Injection Date: 04-Apr-2023 21:25:46

Instrument ID: TAC020

Lims ID: 580-125358-N-7-A

Lab Sample ID: 580-125358-7

Client ID: RHMW03-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 36

Injection Vol: 1.0 ul

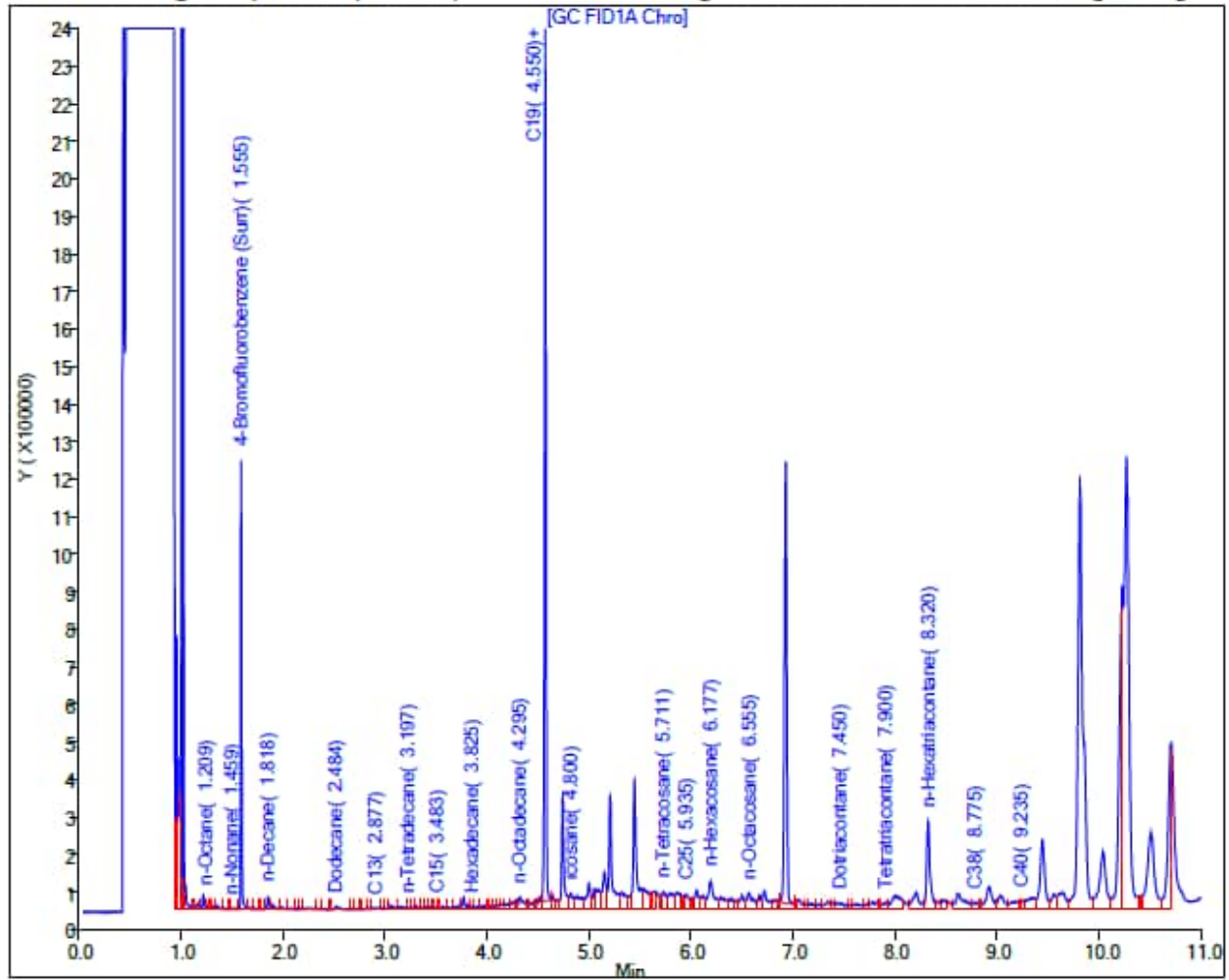
Dil. Factor: 1.0000

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



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 07-Apr-2023 09:23:23

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230406-87841.b\040623C039.D

Injection Date: 07-Apr-2023 01:53:27

Instrument ID: TAC129_R

Lims ID: 580-125358-N-7-B

Lab Sample ID: 580-125358-7

Client ID: RHMW03-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 20

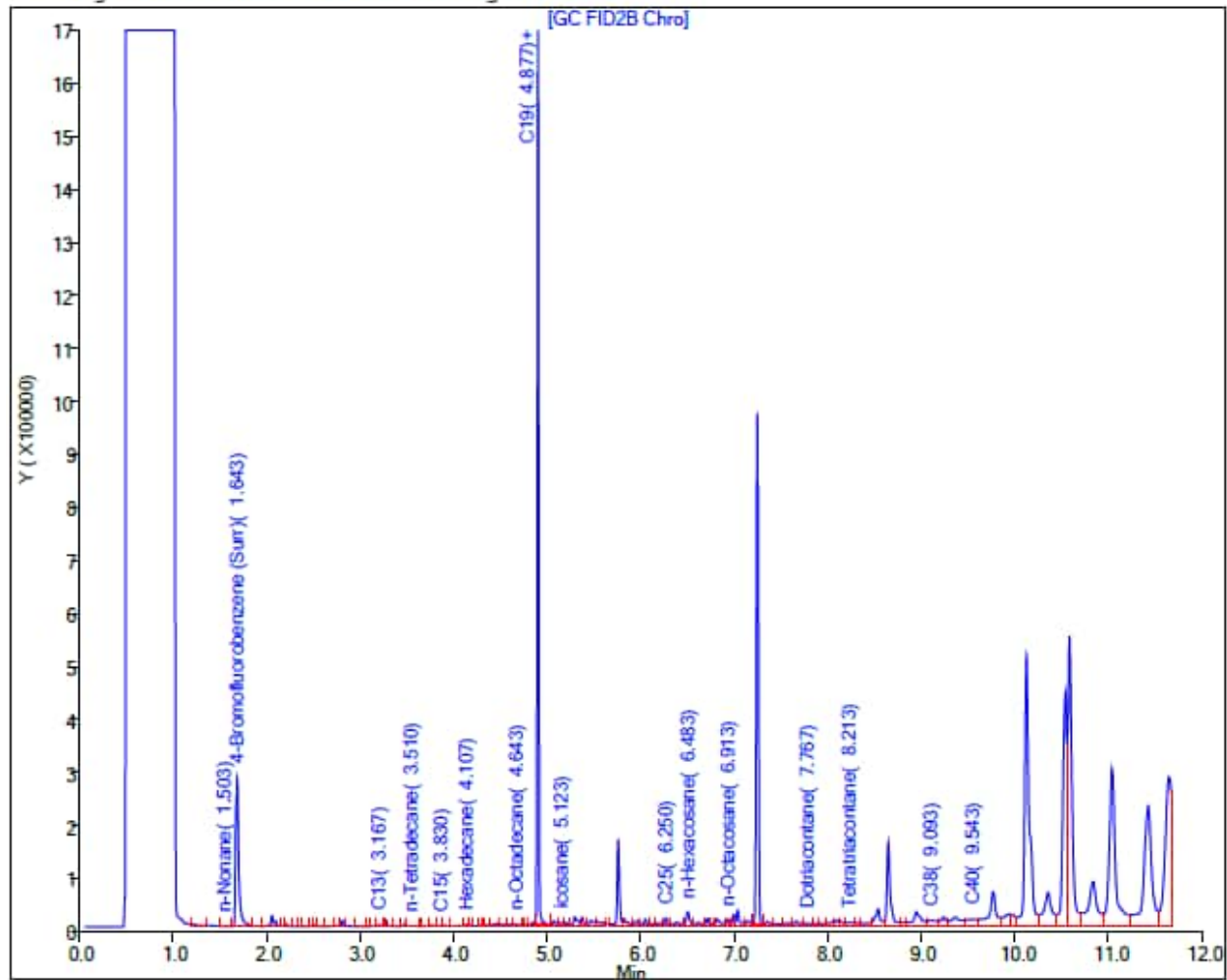
Injection Vol: 1.0 ul

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



Location: **RHMW03**
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2304WK1

Sample Date: 4/4/2023

Results (ug/L): **TPH-d (C10 to C24) 140**

TPH-o (C24 to C40) 190 J

Report Date: 11-Apr-2023 09:28:03

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230410-87867.b\041023A050.D

Injection Date: 11-Apr-2023 02:50:04

Instrument ID: TAC020

Lims ID: 580-125644-O-9-A

Lab Sample ID: 580-125644-9

Client ID: RHMW03-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 50

Injection Vol: 1.0 ul

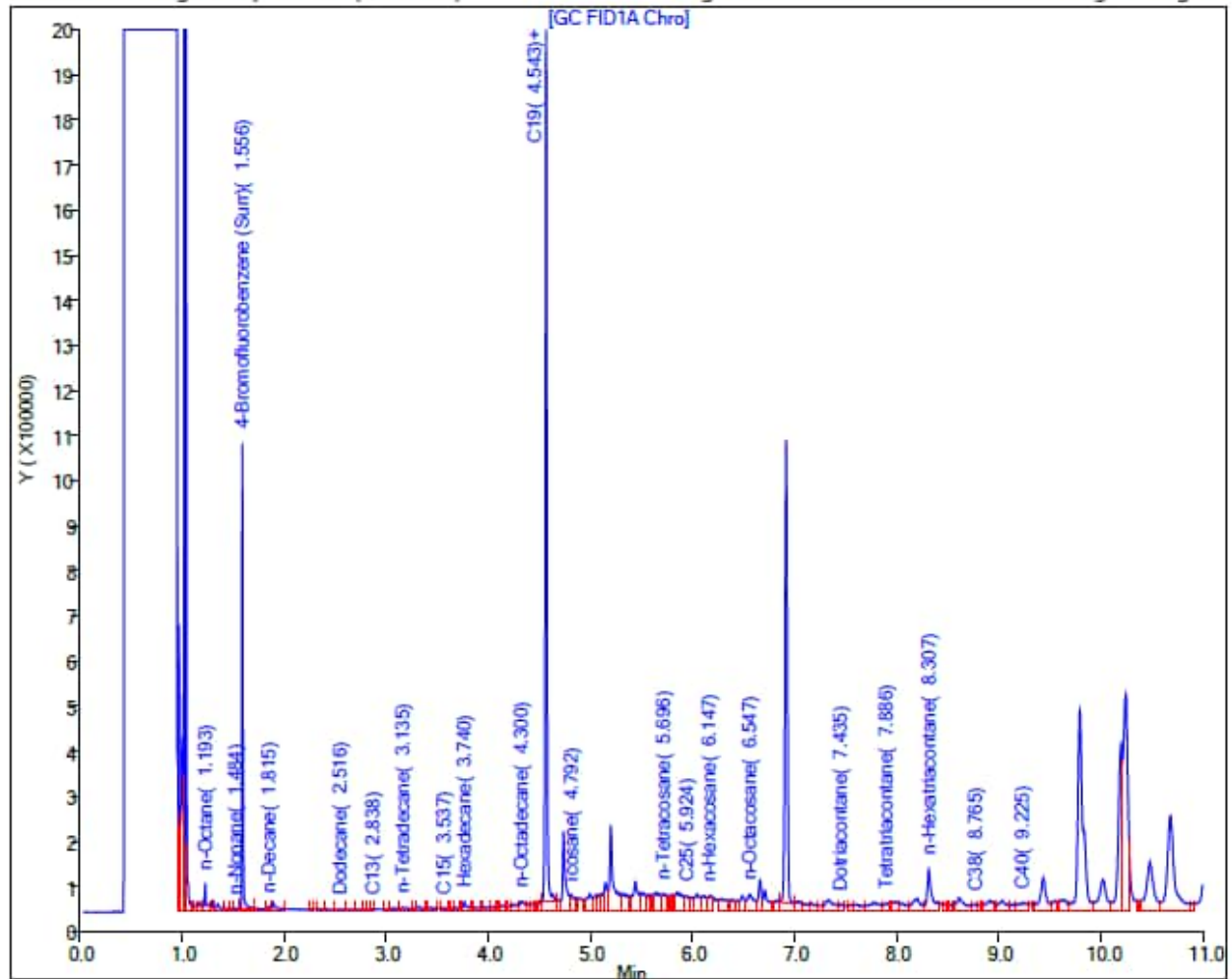
Dil. Factor: 1.0000

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: 13-Apr-2023 09:29:44

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230411-87899.b\041123A009.D

Injection Date: 11-Apr-2023 16:45:07

Instrument ID: TAC020

Lims ID: 580-125644-O-9-B

Lab Sample ID: 580-125644-9

Client ID: RHMW03-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul

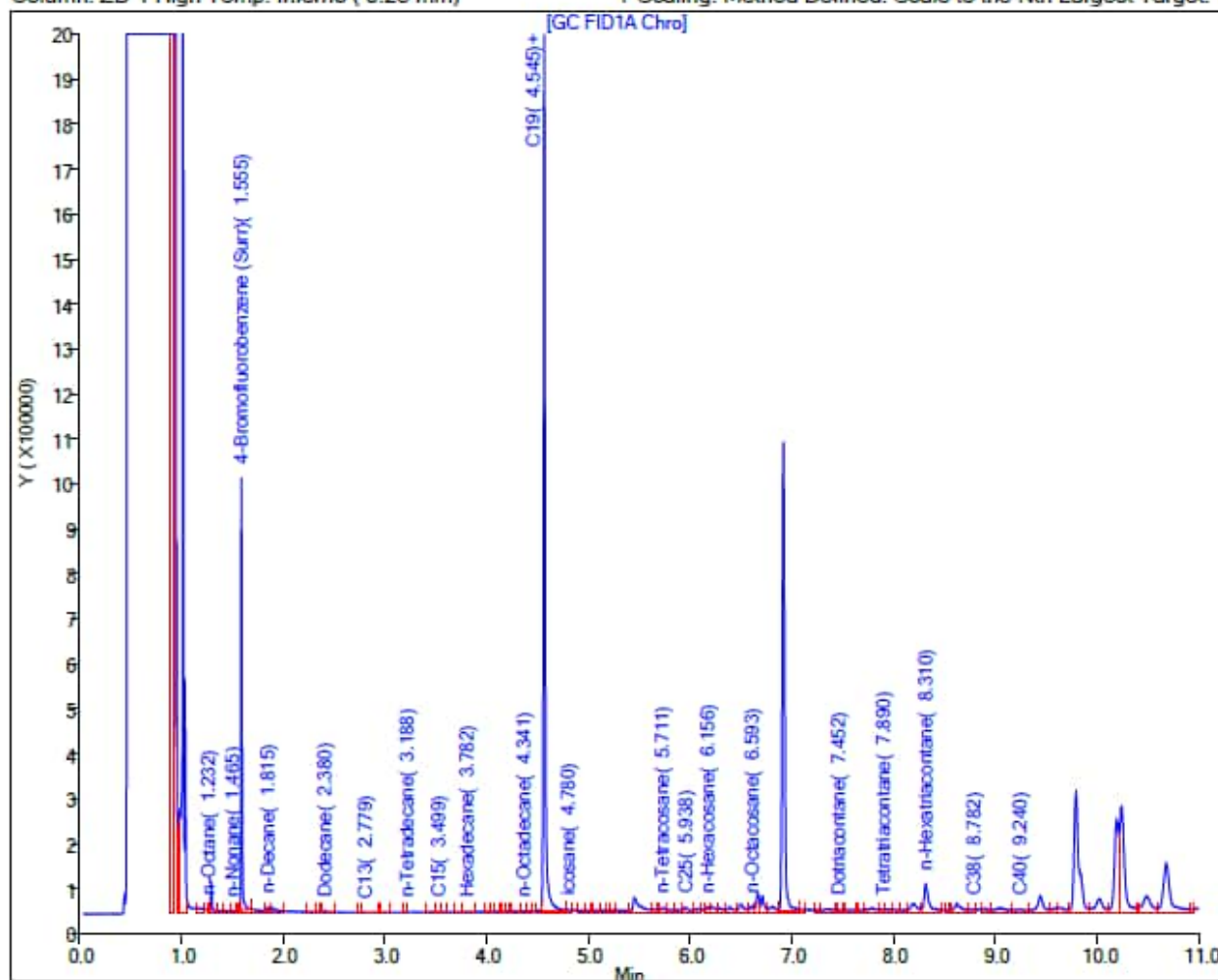
Dil. Factor: 1.0000

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



Location: **RHMW03**
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2305WK1

Sample Date: 5/2/2023

Results (ug/L): **TPH-d (C10 to C24) 350**

TPH-o (C24 to C40) 490

Report Date: 08-May-2023 11:30:08

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230505-88267.b\050523B055.D

Injection Date: 05-May-2023 21:57:35

Instrument ID: TAC129_R

Lims ID: 580-126837-O-6-A

Lab Sample ID: 580-126837-6

Client ID: RHMW03-WGN01B-2305WK1

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

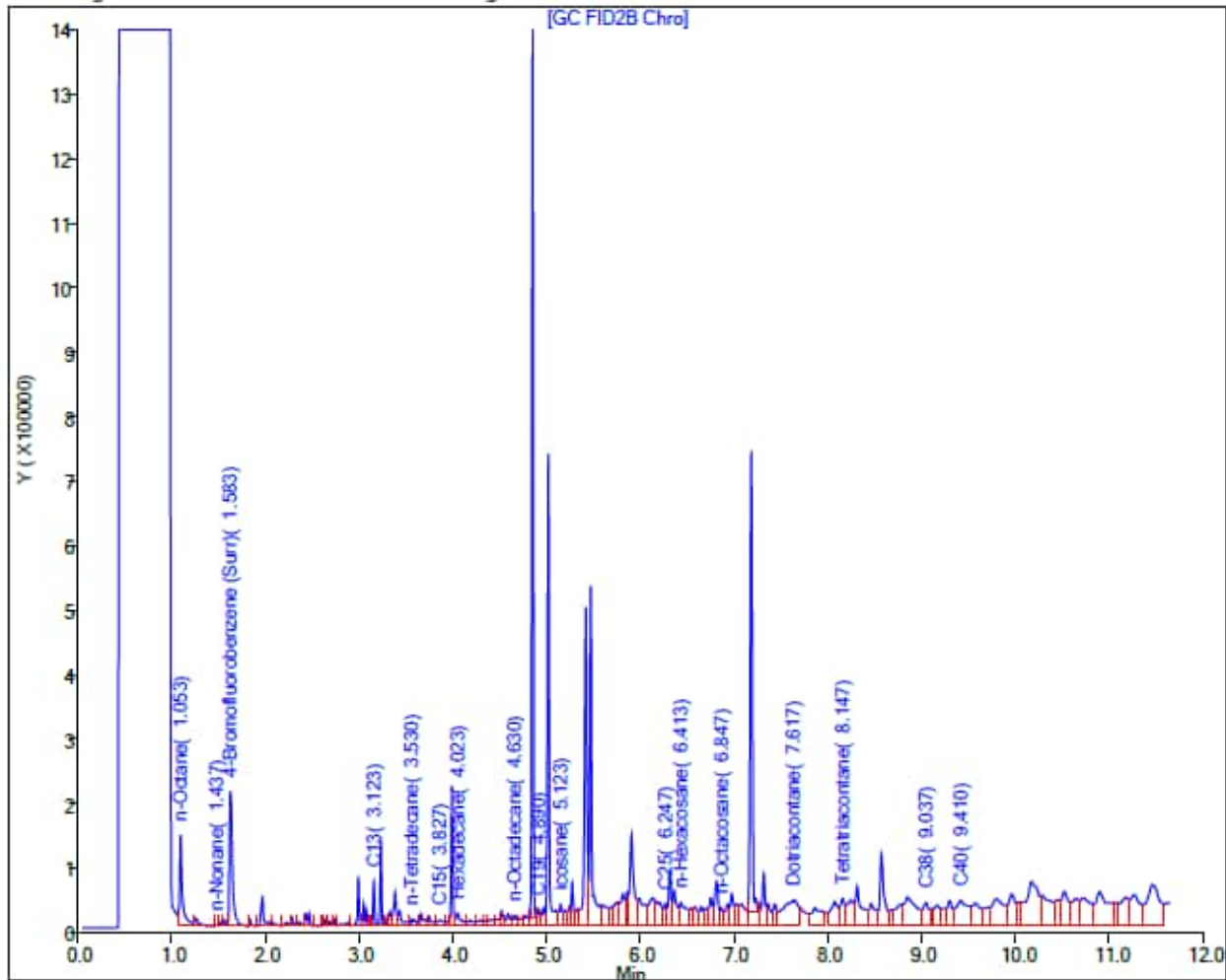
1.0000

Method: TPH-TAC129Rear

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 11-May-2023 13:04:23

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230510-88355.b\051023C045.D

Injection Date: 11-May-2023 10:40:16

Instrument ID: TAC020

Lims ID: 580-126837-O-6-B

Lab Sample ID: 580-126837-6

Client ID: RHMW03-WGN01B-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 45

Injection Vol: 1.0 ul

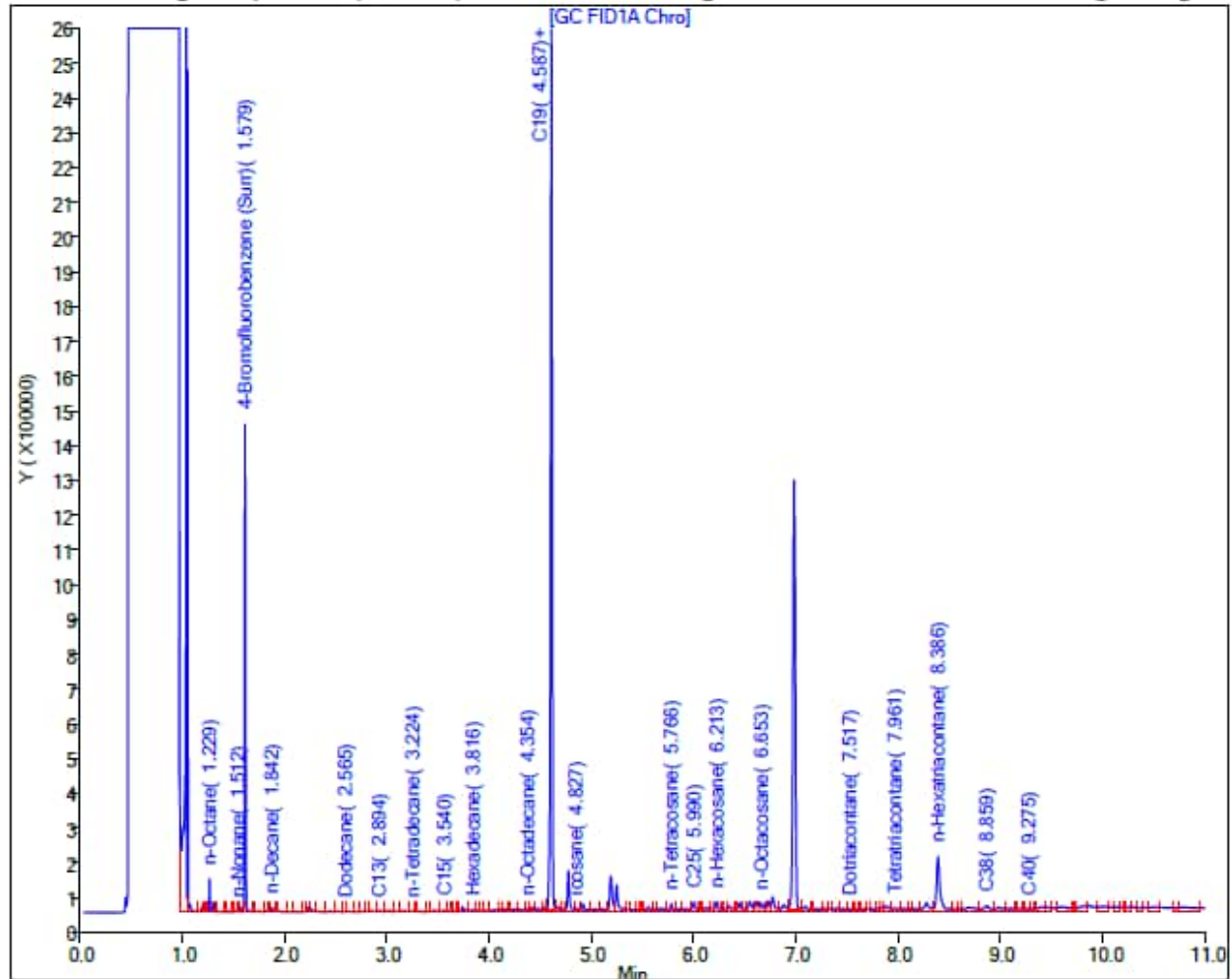
Dil. Factor: 1.0000

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: **RHMW03**
Lab: Eurofins Seattle

Sample ID: RHMW03-WGN01B-2305WK3

Sample Date: 5/16/2023

Results (ug/L): **TPH-d (C10 to C24) 210**

TPH-o (C24 to C40) 270 J

Report Date: 22-May-2023 09:31:56

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230519-88500.b\051923A043.D

Injection Date: 20-May-2023 00:46:57

Instrument ID: TAC020

Lims ID: 580-127393-N-8-A

Lab Sample ID: 580-127393-8

Client ID: RHMW03-WGN01B-2305WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 43

Injection Vol: 1.0 ul

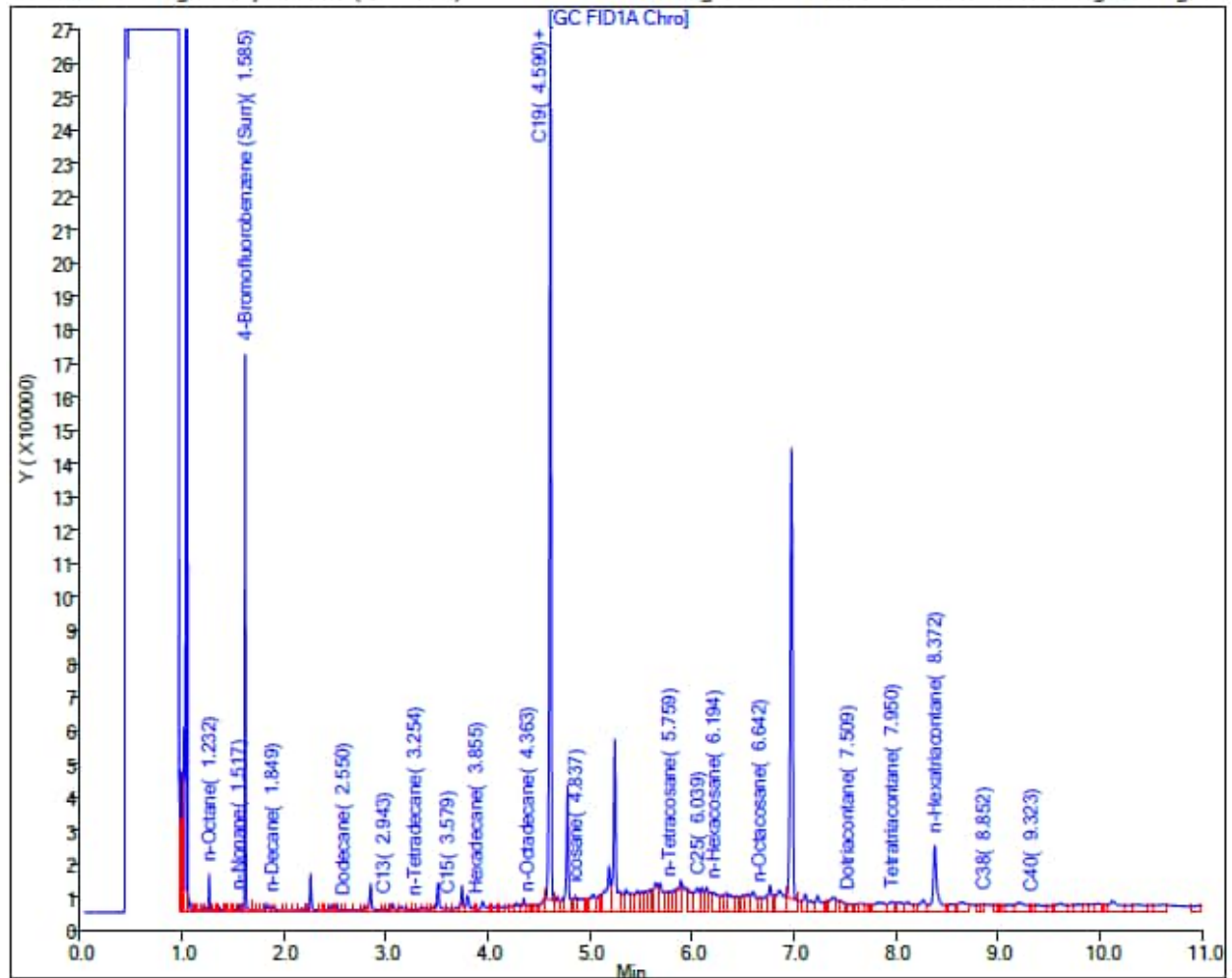
Dil. Factor: 1.0000

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: 24-May-2023 09:55:32

Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230523-88538.b\052323A049.D

Injection Date: 23-May-2023 17:19:27

Instrument ID: TAC129_R

Lims ID: 580-127393-N-8-B

Lab Sample ID: 580-127393-8

Client ID: RHMW03-WGN01B-2305WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 25

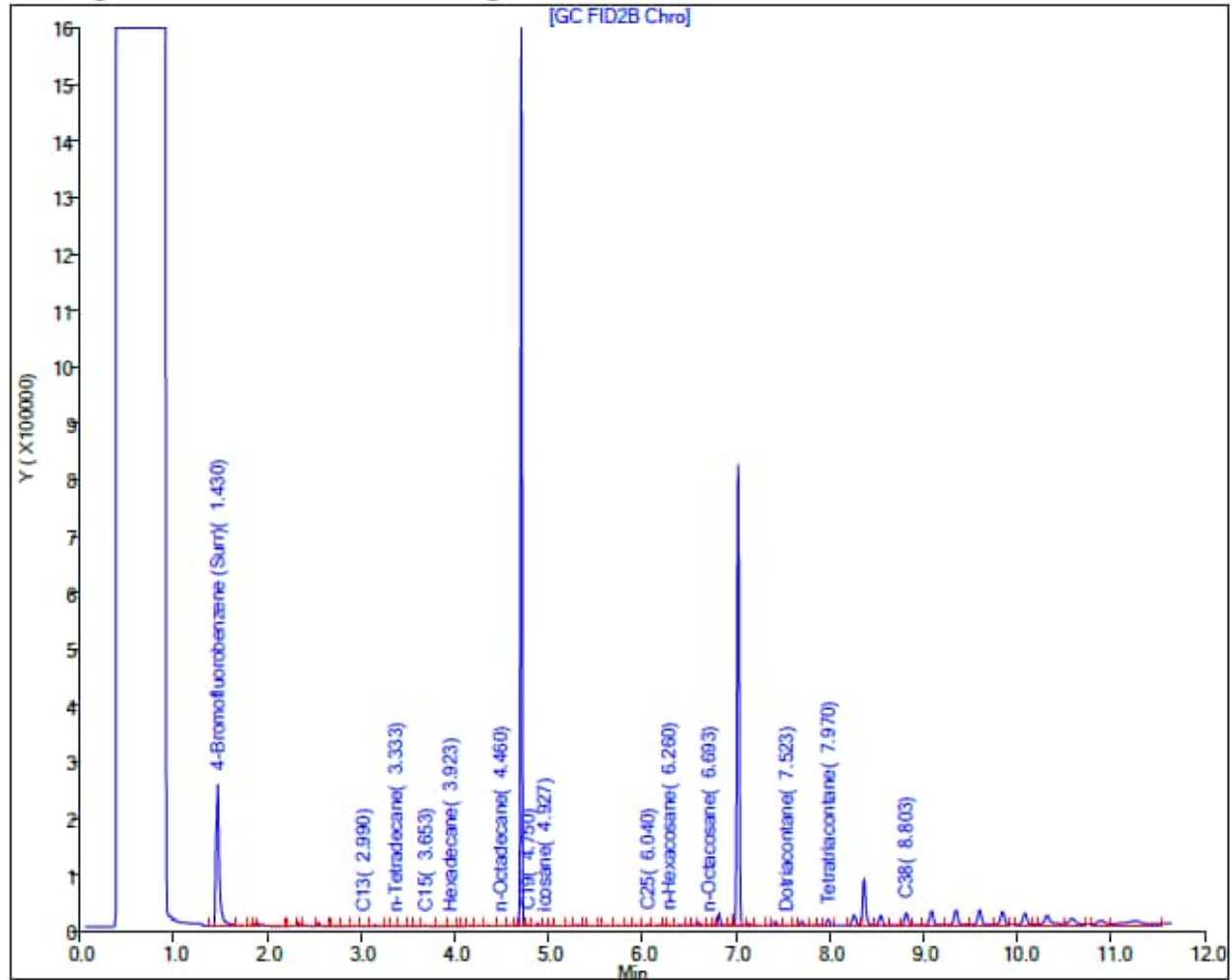
Injection Vol: 1.0 ul

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



Location: **RHMW04**
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN01B-2301WK4

Sample Date: 1/25/2023

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 03-Feb-2023 08:37:42

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230202-86914.b\020223A045.D

Injection Date: 02-Feb-2023 16:37:05

Instrument ID: TAC129_R

Lims ID: 580-122761-E-3-A

Lab Sample ID: 580-122761-3

Client ID: RHMW04-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 23

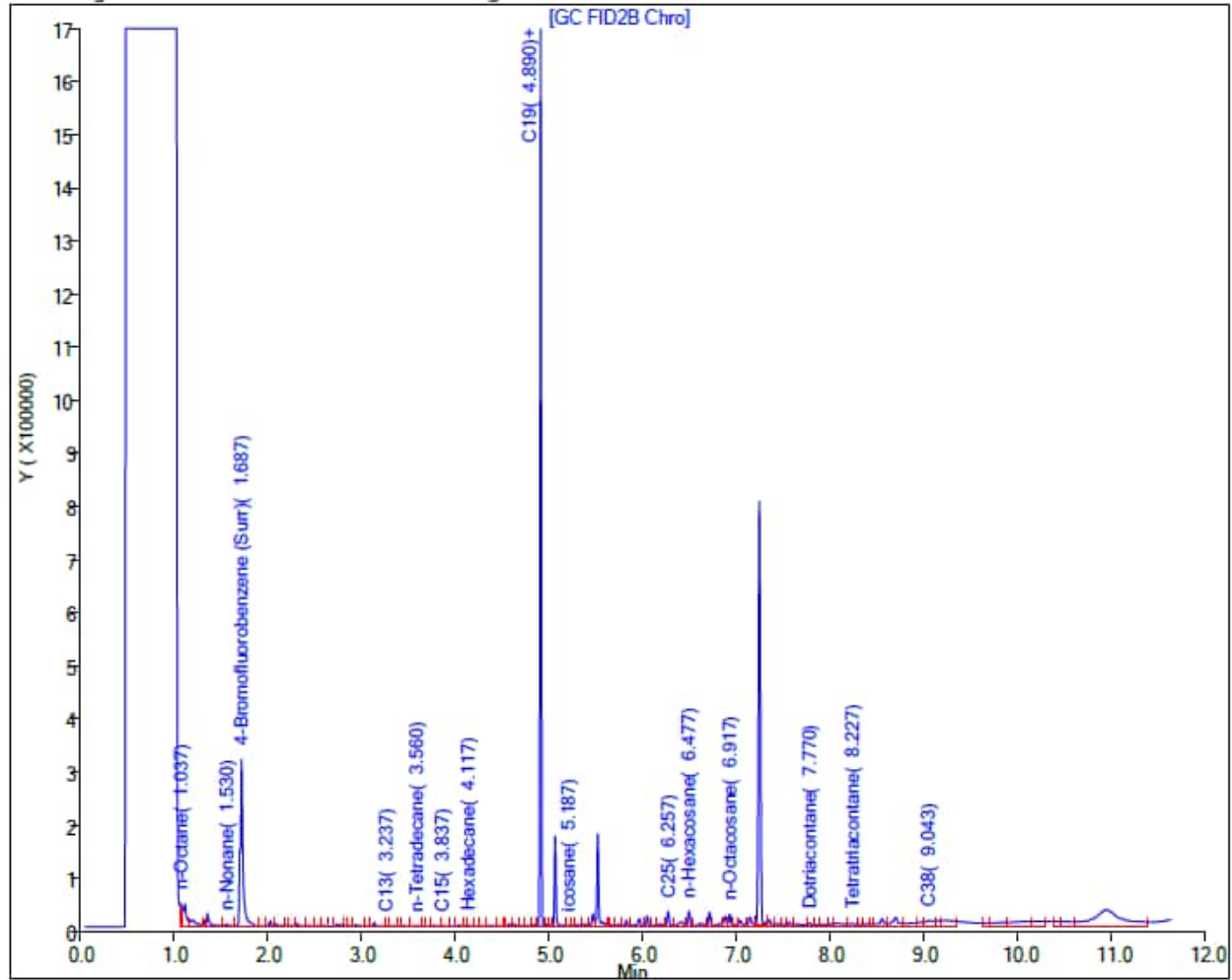
Injection Vol: 1.0 uL/L

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: **RHMW04**
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2301WK4

Sample Date: 1/25/2023

Results (ug/L): **TPH-d (C10 to C24) <110 UJ**

TPH-o (C24 to C40) <300 U

Report Date: 08-Feb-2023 08:56:23

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Data File: Eurofins Seattle

Injection Date: 07-Feb-2023 12:56:44

Lims ID: 580-122761-A-5-A

Client ID: RHMW04-WGFD01B-2301WK4

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-TAC129Front

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

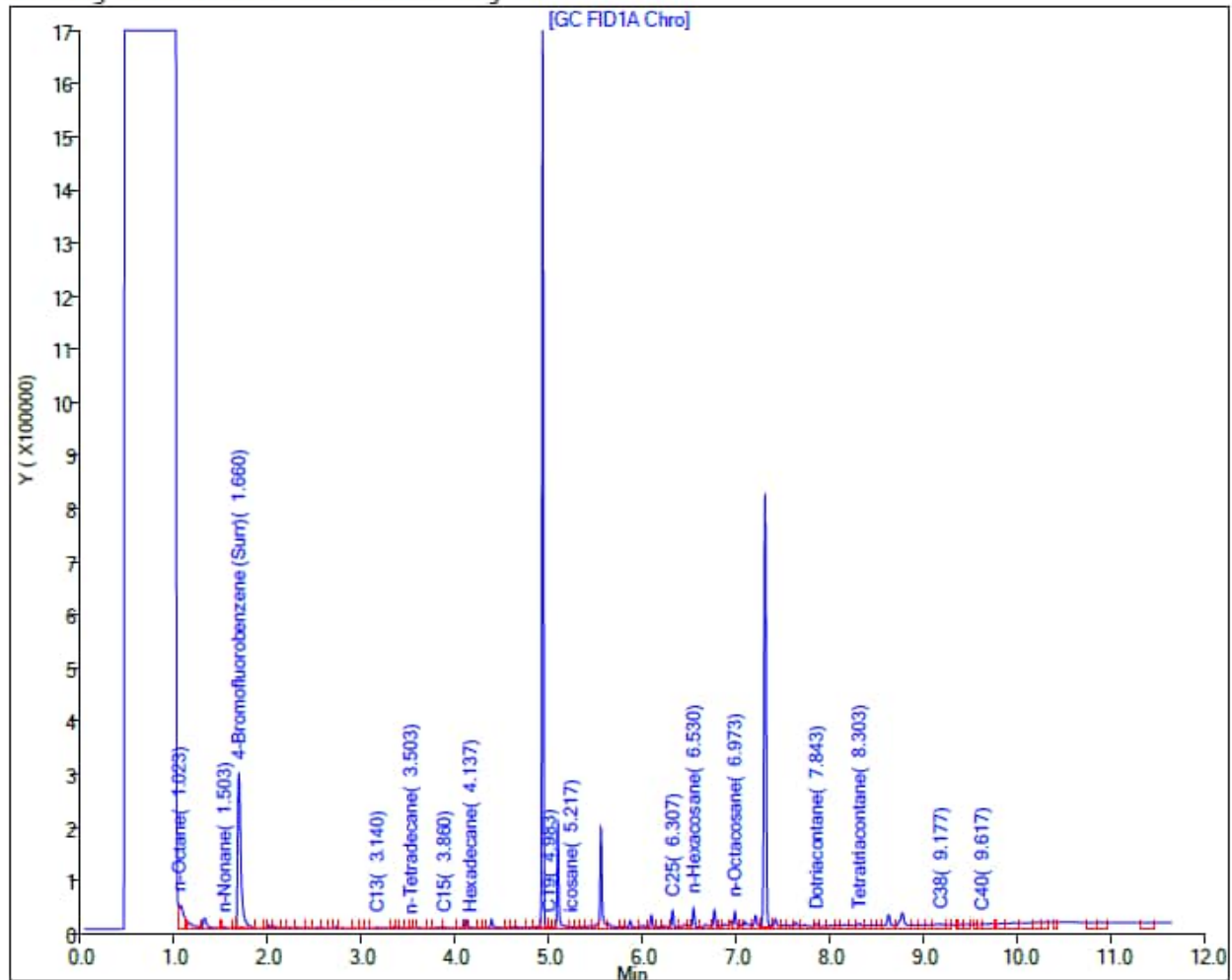
Instrument ID: TAC129

Lab Sample ID: 580-122761-5

ALS Bottle#: 0 Worklist Smp#: 22

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges



Location: **RHMW04**
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN01B-2303WK1

Sample Date: 3/9/2023

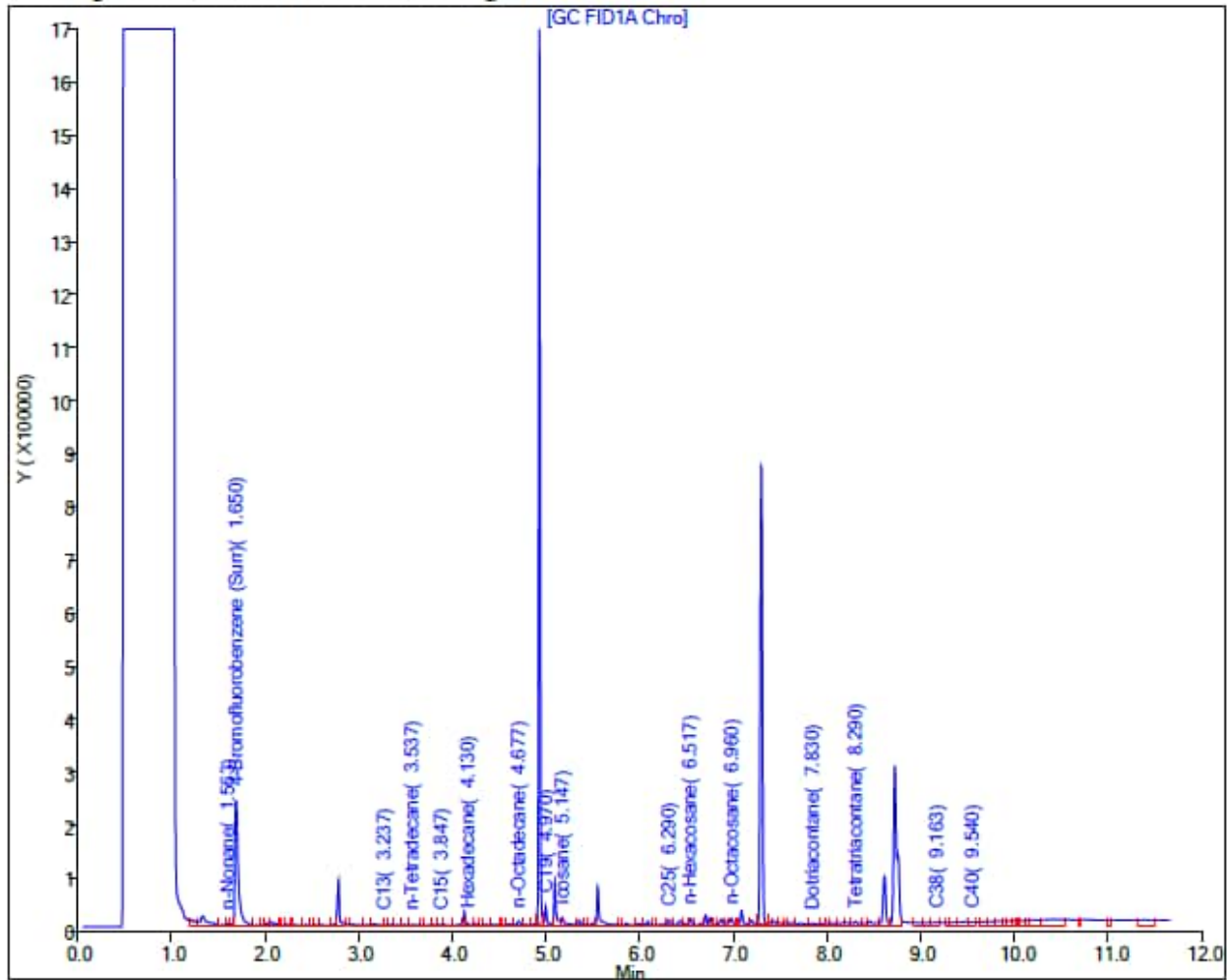
Results (ug/L): **TPH-d (C10 to C24) <85 U**

TPH-o (C24 to C40) <250 U

Report Date: 15-Mar-2023 08:14:01

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230314-87488.b\031423B062.D
Injection Date: 14-Mar-2023 21:26:46 Instrument ID: TAC129
Lims ID: 580-124556-N-3-A Lab Sample ID: 580-124556-3
Client ID: RHMW04-WGN01B-2303WK1
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 31
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: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2303WK1

Sample Date: 3/9/2023

Results (ug/L): TPH-d (C10 to C24) <82 U

TPH-o (C24 to C40) <250 U

Report Date: 17-Mar-2023 08:52:30

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 16-Mar-2023 16:54:24

Lims ID: 580-124556-I-5-A

Client ID: RHMW04-WGFD01B-2303WK1

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-Front_TAC020

Column: ZB-1 High Temp. Inferno (0.25 mm)

Instrument ID: TAC020

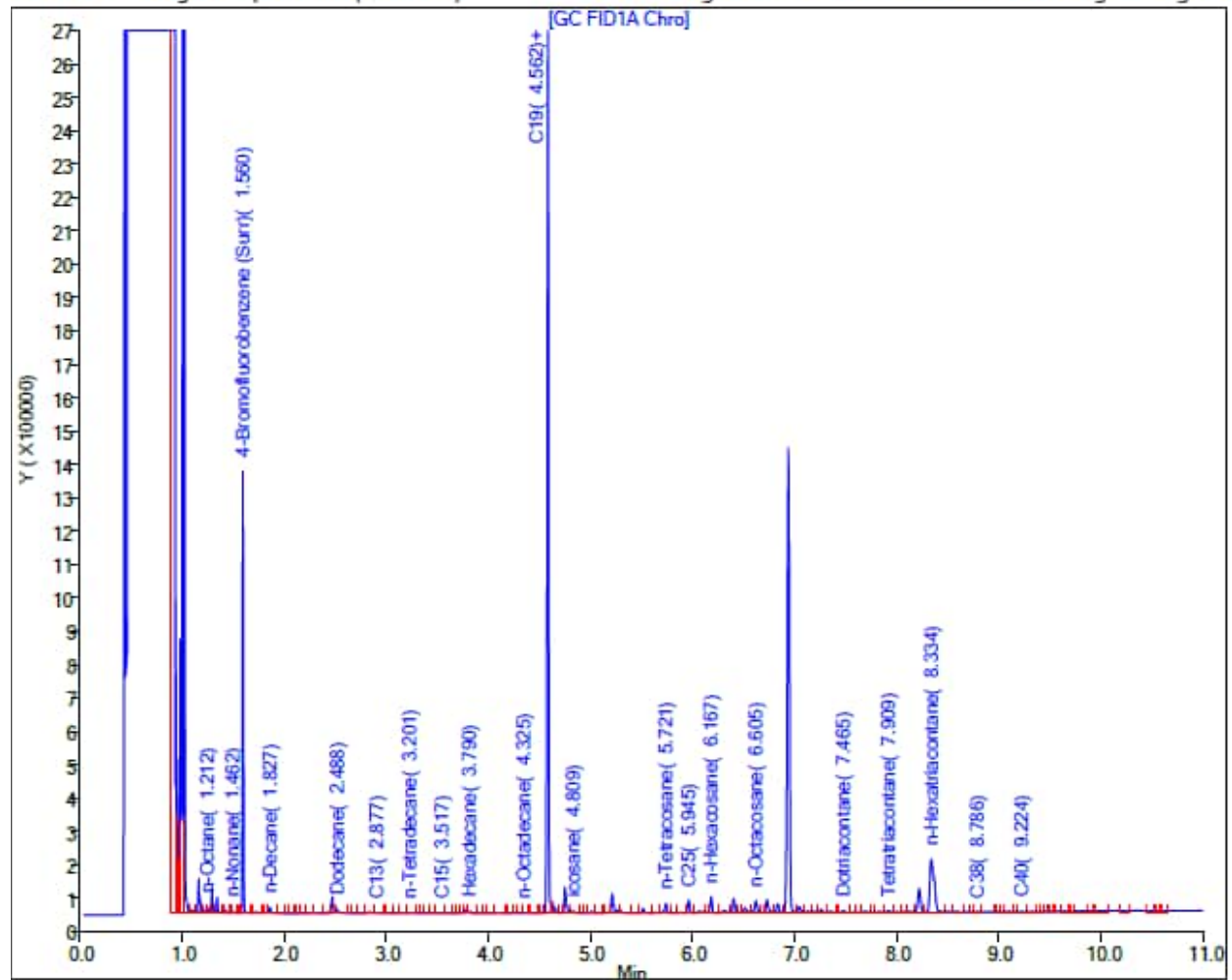
Lab Sample ID: 580-124556-5

ALS Bottle#: 0 Worklist Smp#: 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-WGN01B-2303WK2

Sample Date: 3/15/2023

Results (ug/L): TPH-d (C10 to C24) 130

TPH-o (C24 to C40) 650

Report Date: 28-Mar-2023 08:59:11

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A019.D

Injection Date: 27-Mar-2023 17:42:33 Instrument ID: TAC020

Lims ID: 580-124868-N-10-A Lab Sample ID: 580-124868-10

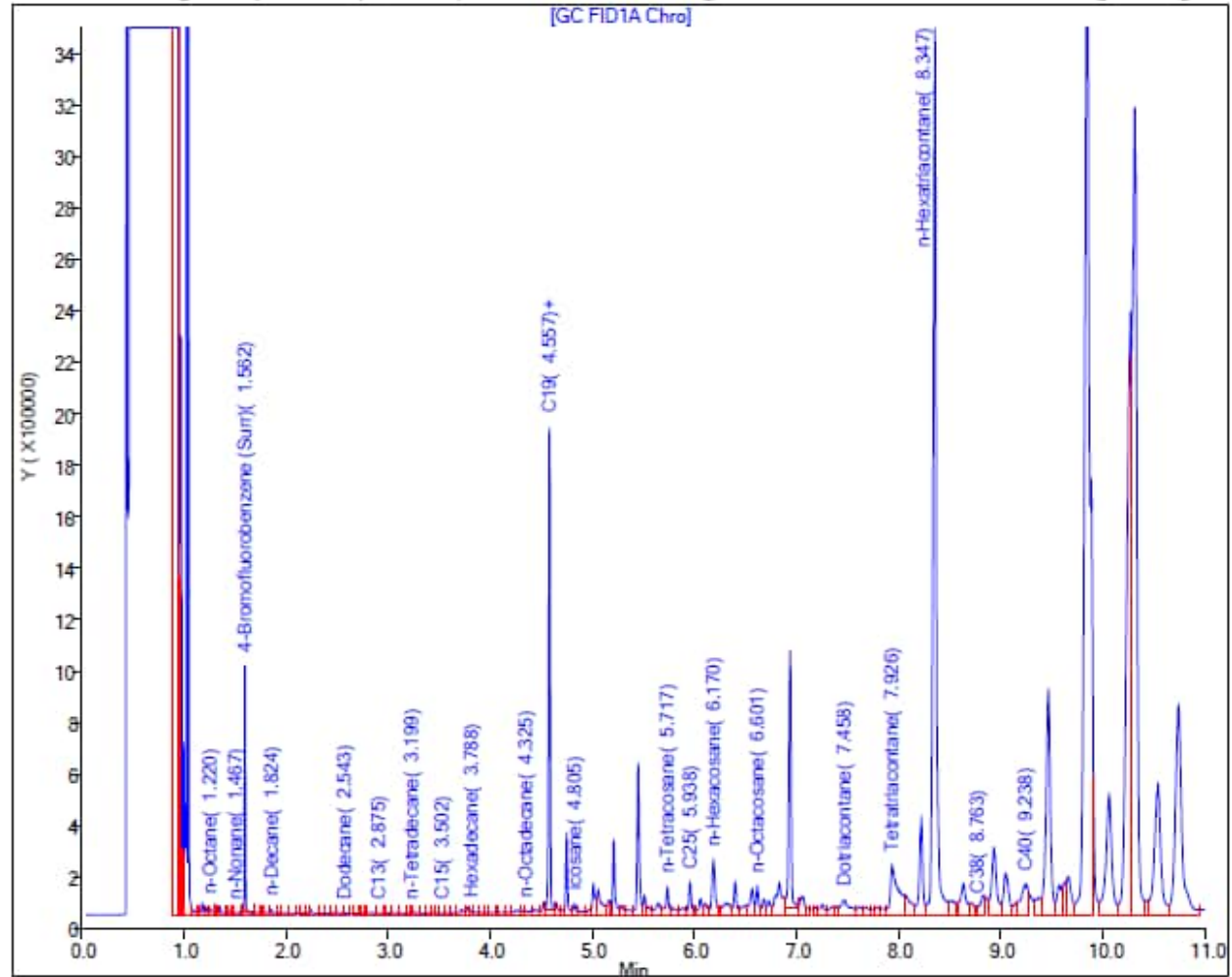
Client ID: RHMW04-WGN01B-2303WK2

Operator ID: KW ALS Bottle#: 0 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) 76 J

TPH-o SGC (C24 to C40) 420

Report Date: 04-Apr-2023 10:28:21

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230403-87763.b\040323A038.D

Injection Date: 03-Apr-2023 22:49:29

Instrument ID: TAC020

Lims ID: 580-124868-N-10-B

Lab Sample ID: 580-124868-10

Client ID: RHMW04-WGN01B-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 38

Injection Vol: 1.0 ul

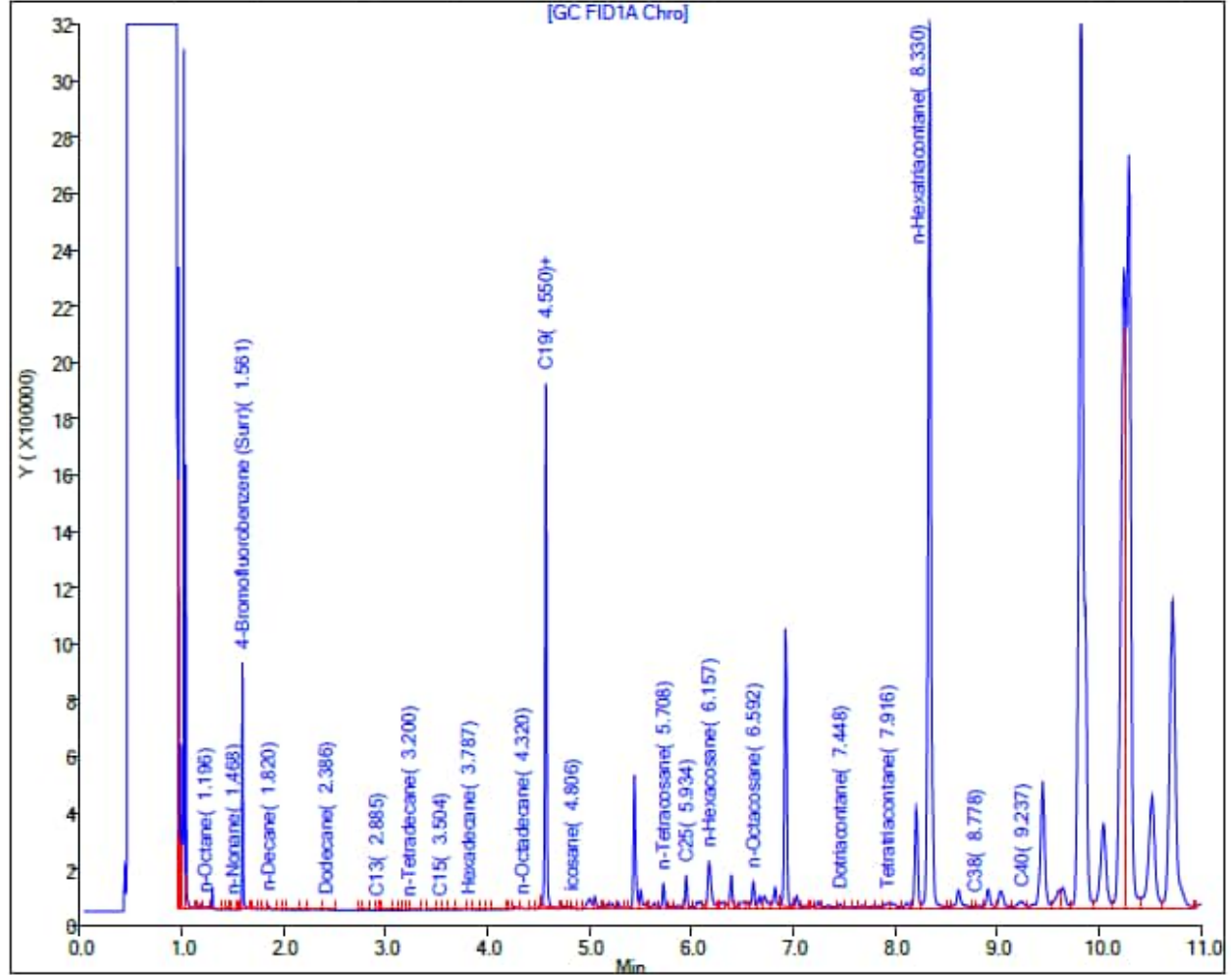
Dil. Factor: 1.0000

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



Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2303WK2

Sample Date: 3/15/2023

Results (ug/L): TPH-d (C10 to C24) 160

TPH-o (C24 to C40) 680

Report Date: 28-Mar-2023 08:59:15

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 27-Mar-2023 18:02:42

Instrument ID: TAC020

Lims ID: 580-124868-J-12-A

Lab Sample ID: 580-124868-12

Client ID: RHMW04-WGFD01B-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 20

Injection Vol: 1.0 ul

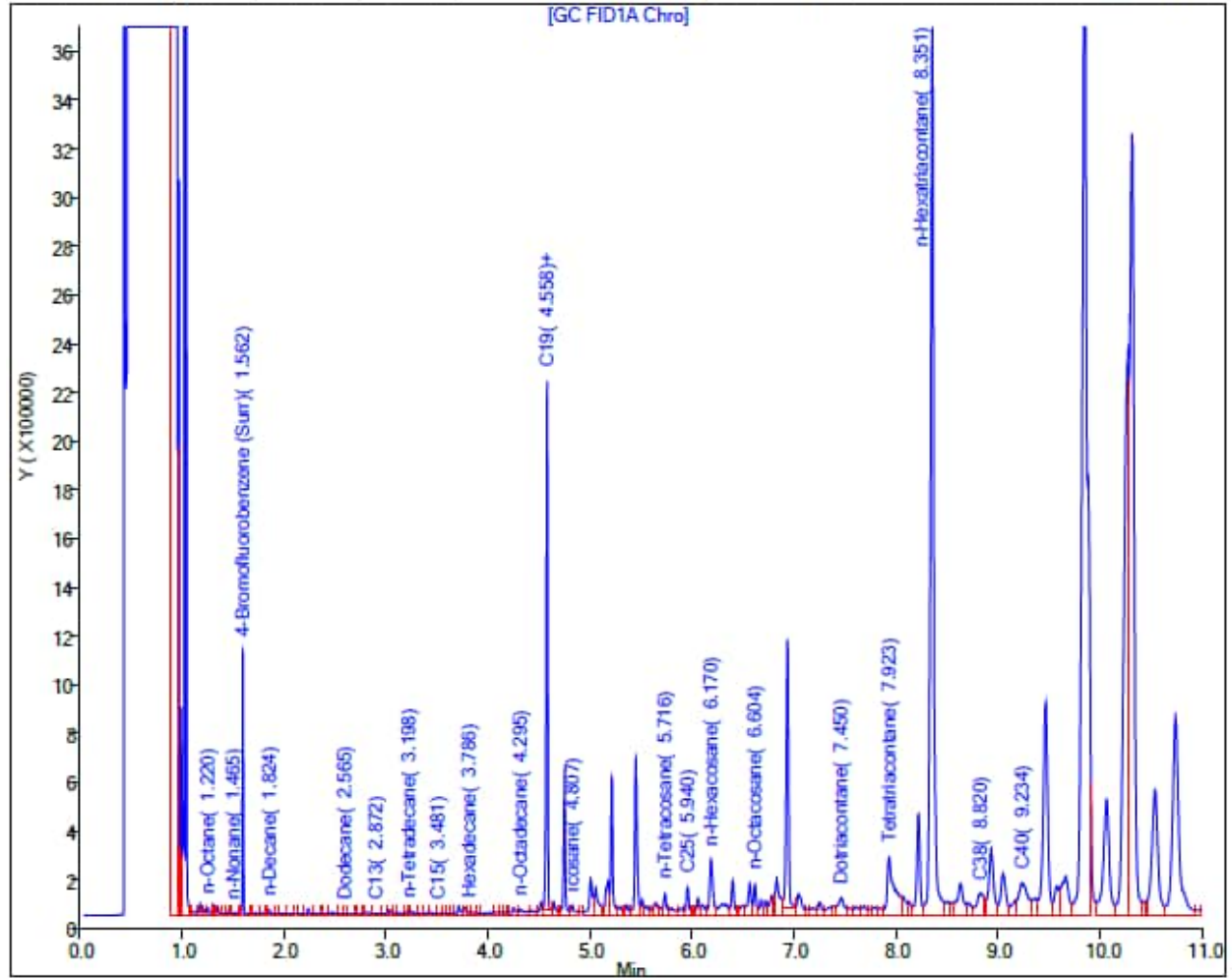
Dil. Factor: 1.0000

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) 67 J

TPH-o SGC (C24 to C40) 440

Report Date: 04-Apr-2023 10:28:27

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230403-87763.b\040323A039.D

Injection Date: 03-Apr-2023 23:09:36

Instrument ID: TAC020

Lims ID: 580-124868-J-12-B

Lab Sample ID: 580-124868-12

Client ID: RHMW04-WGFD01B-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 39

Injection Vol: 1.0 ul

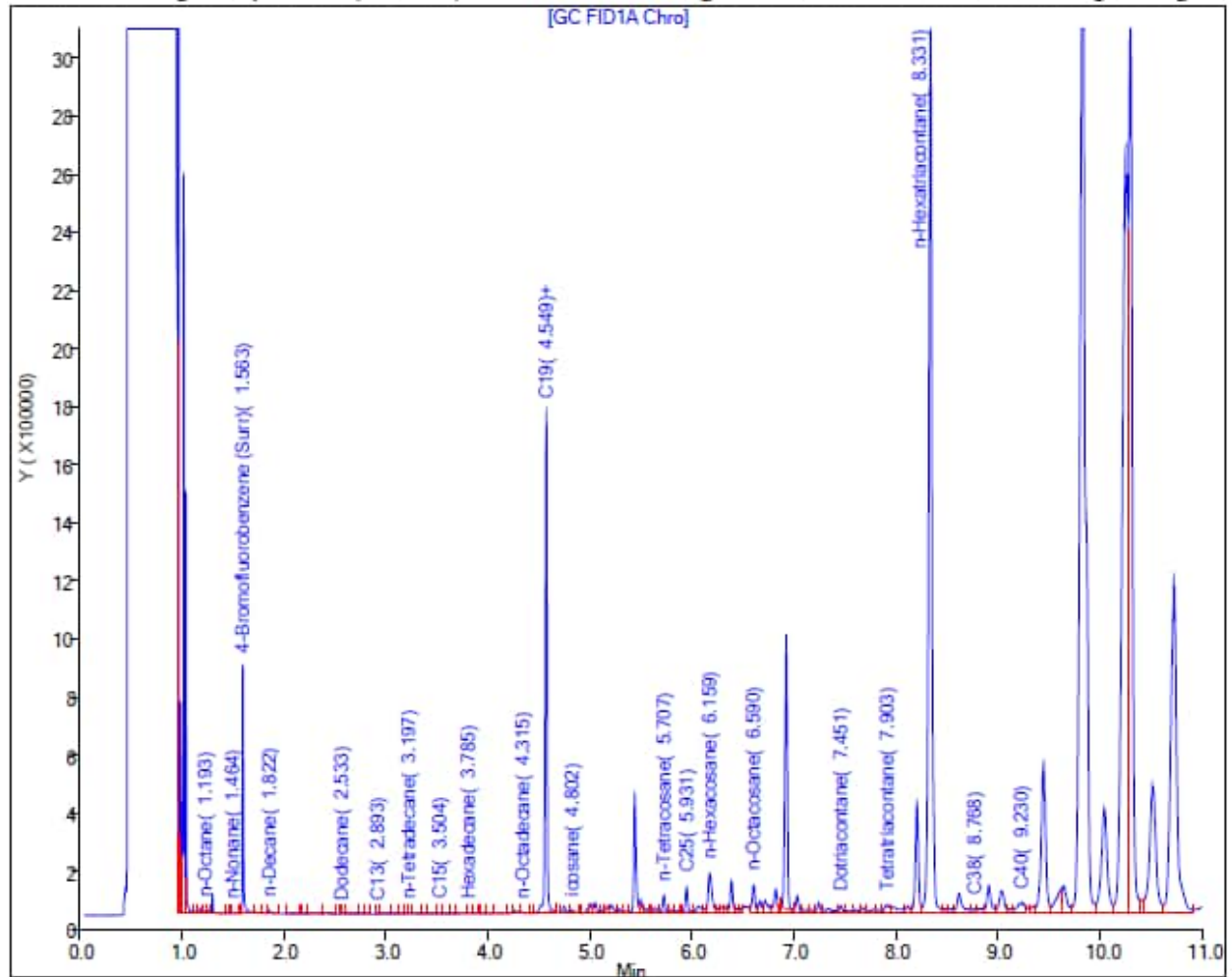
Dil. Factor: 1.0000

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



Location: **RHMW04**
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN01B-2303WK4

Sample Date: 3/30/2023

Results (ug/L): **TPH-d (C10 to C24) <110 U**

TPH-o (C24 to C40) <320 U

Report Date: 07-Apr-2023 09:14:25

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 06-Apr-2023 19:44:46

Lims ID: 580-125401-N-1-A

Client ID: RHMW04-WGN01B-2303WK4

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-Front_TAC020

Column: ZB-1 High Temp. Inferno (0.25 mm)

Instrument ID: TAC020

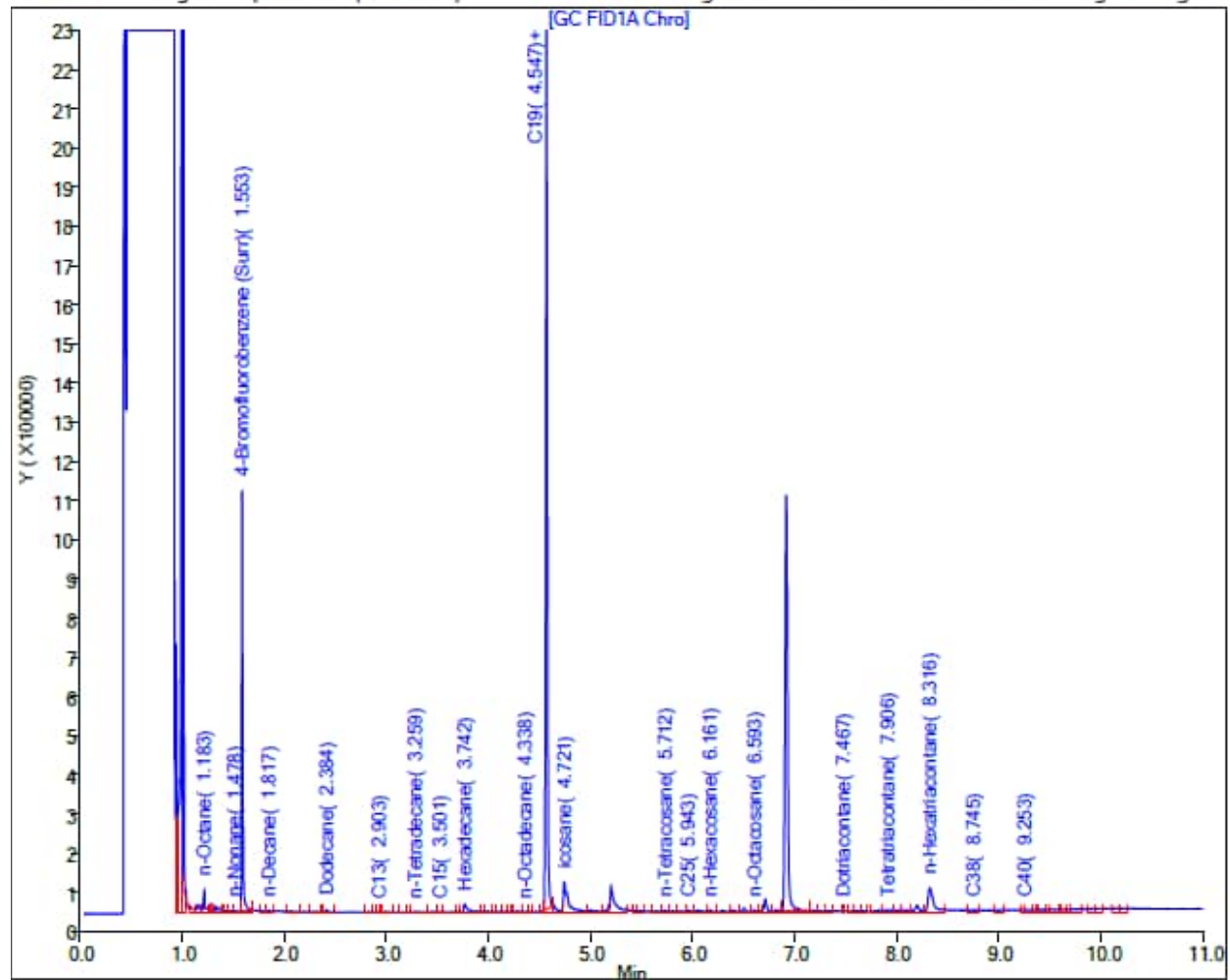
Lab Sample ID: 580-125401-1

ALS Bottle#: 0 Worklist Smp#: 29

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-WGFD01B-2303WK4

Sample Date: 3/30/2023

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 07-Apr-2023 09:14:29

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230406-87828.b\040623A030.D

Injection Date: 06-Apr-2023 20:04:53

Instrument ID: TAC020

Lims ID: 580-125401-J-3-A

Lab Sample ID: 580-125401-3

Client ID: RHMW04-WGFD01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 30

Injection Vol: 1.0 ul

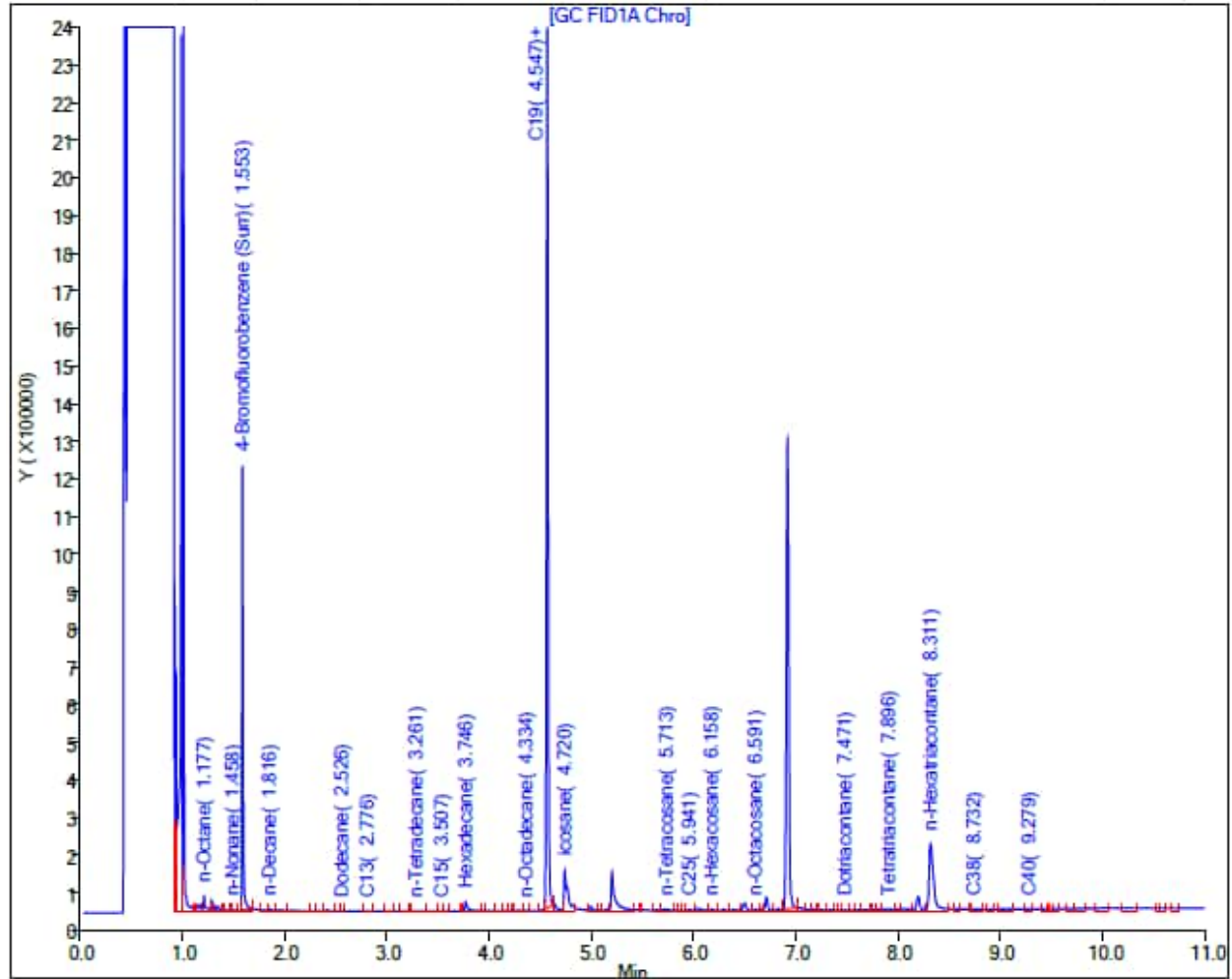
Dil. Factor: 1.0000

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: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGN01B-2304WK1

Sample Date: 4/6/2023

Results (ug/L): TPH-d (C10 to C24) 100 J

TPH-o (C24 to C40) 200 J

Report Date: 13-Apr-2023 09:25:26

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230412-87914.b\041223A030.D

Injection Date: 12-Apr-2023 20:19:33 Instrument ID: TAC020

Lims ID: 580-125701-O-3-A Lab Sample ID: 580-125701-3

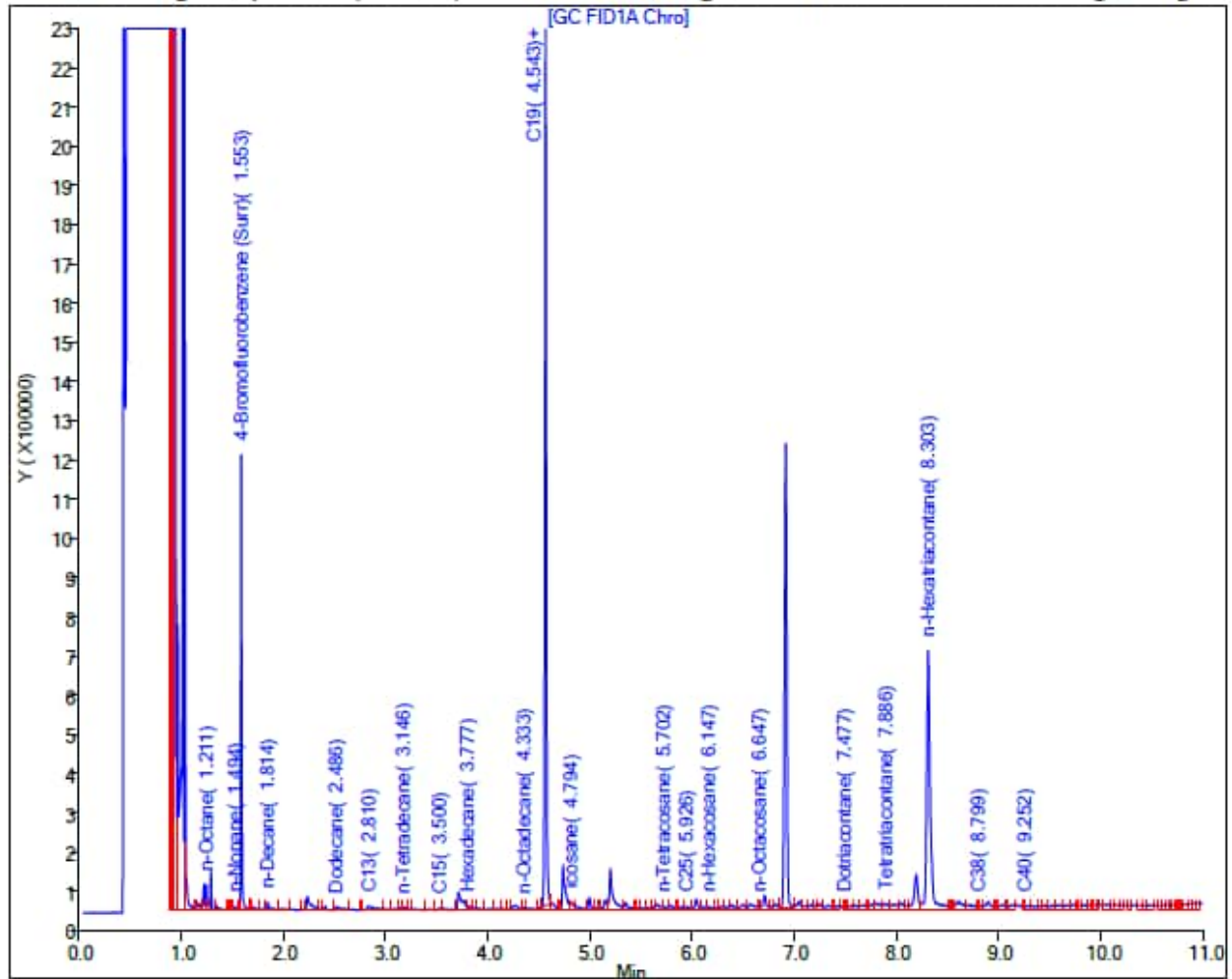
Client ID: RHMW04-WGN01B-2304WK1

Operator ID: KW ALS Bottle#: 0 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) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 18-Apr-2023 09:18:29

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230417-87981.b\041723A013.D

Injection Date: 17-Apr-2023 17:47:26

Instrument ID: TAC020

Lims ID: 580-125701-O-3-B

Lab Sample ID: 580-125701-3

Client ID: RHMW04-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 13

Injection Vol: 1.0 ul

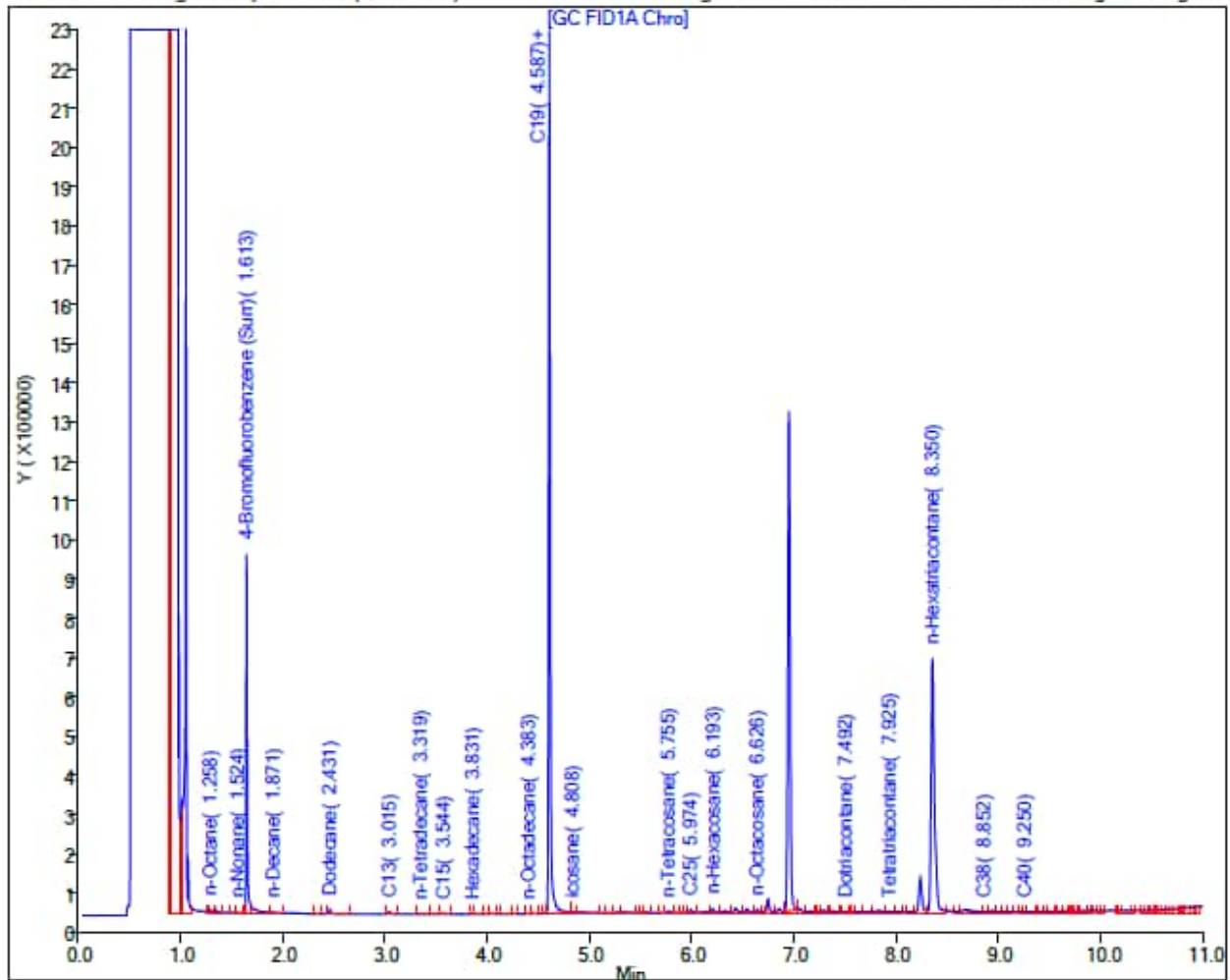
Dil. Factor: 1.0000

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



Location: RHMW04
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2304WK1

Sample Date: 4/6/2023

Results (ug/L): TPH-d (C10 to C24) 140

TPH-o (C24 to C40) 210 J

Report Date: 13-Apr-2023 09:25:32

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230412-87914.b\041223A031.D

Eurofins Seattle

Injection Date: 12-Apr-2023 20:39:48

Instrument ID: TAC020

Lims ID: 580-125701-I-5-A

Lab Sample ID: 580-125701-5

Client ID: RHMW04-WGFD01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 31

Injection Vol: 1.0 ul

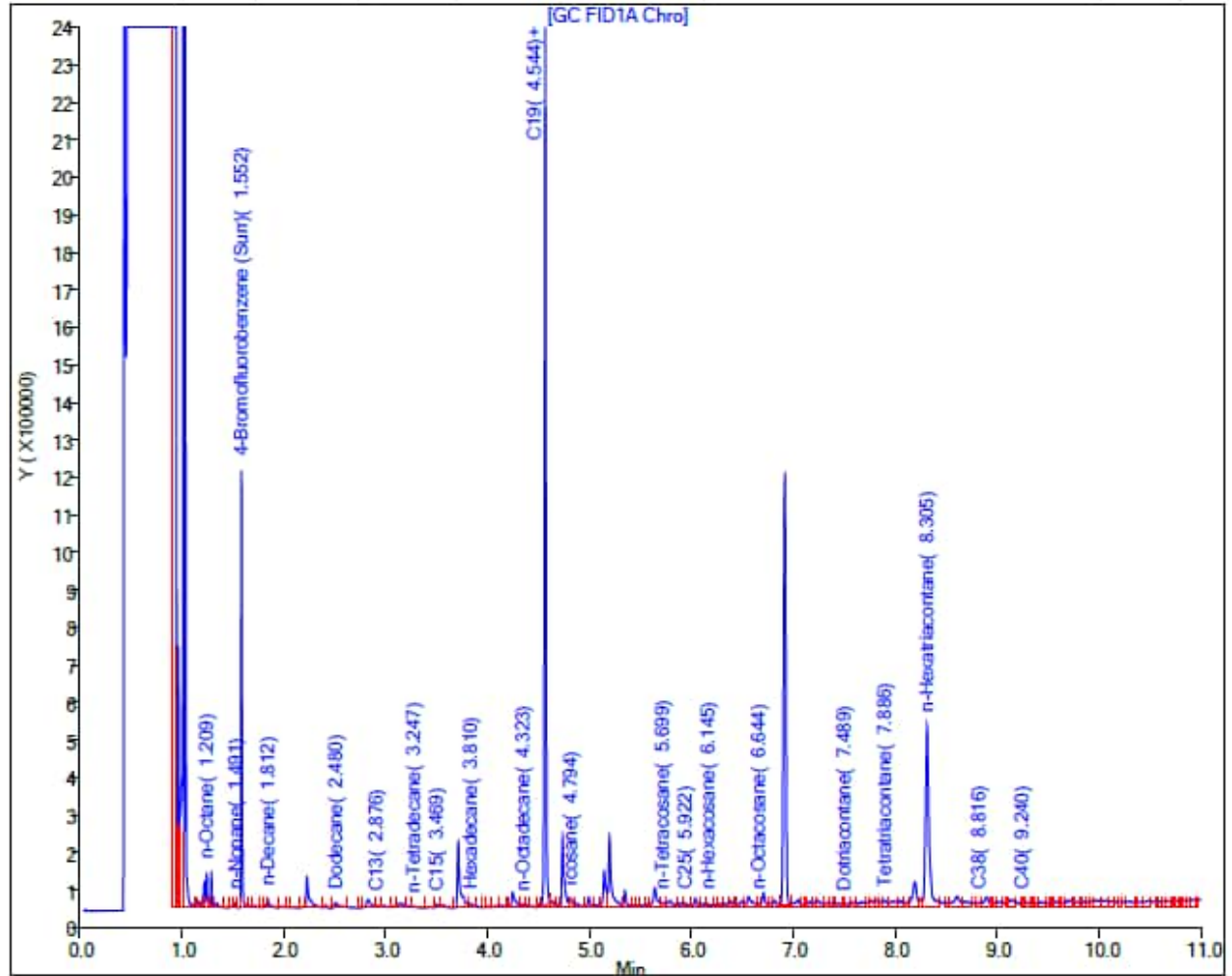
Dil. Factor: 1.0000

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



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 18-Apr-2023 09:18:34

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230417-87981.b\041723A014.D

Injection Date: 17-Apr-2023 18:07:34

Instrument ID: TAC020

Lims ID: 580-125701-I-5-B

Lab Sample ID: 580-125701-5

Client ID: RHMW04-WGFD01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 14

Injection Vol: 1.0 ul

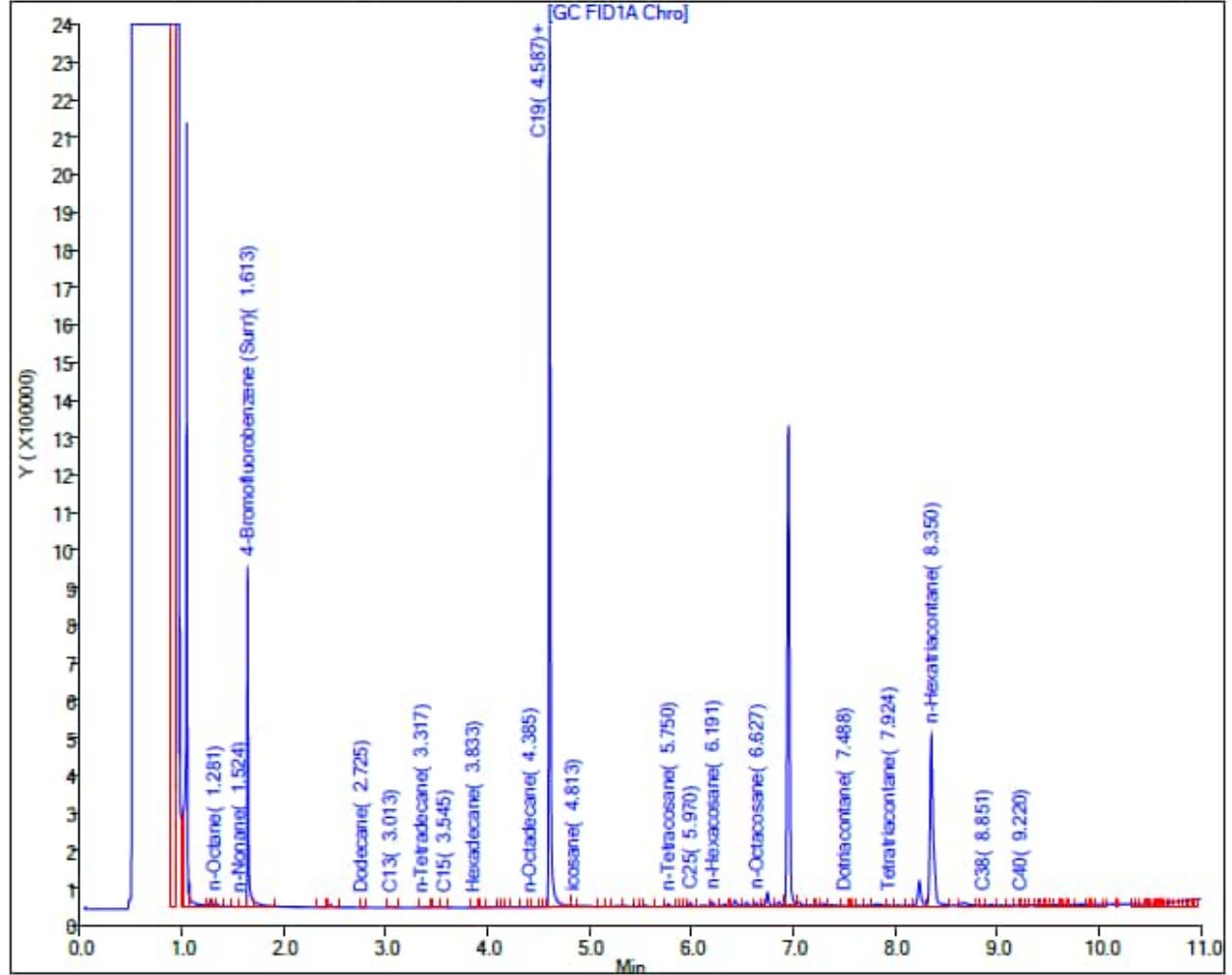
Dil. Factor: 1.0000

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-WGN01B-2305WK2

Sample Date: 5/11/2023

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 17-May-2023 13:28:00

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: Eurofins Seattle

Injection Date: 17-May-2023 13:10:15

Lims ID: 580-127171-N-1-A

Client ID: RHMW04-WGN01B-2305WK2

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-TAC129Rear

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

Instrument ID: TAC129_R

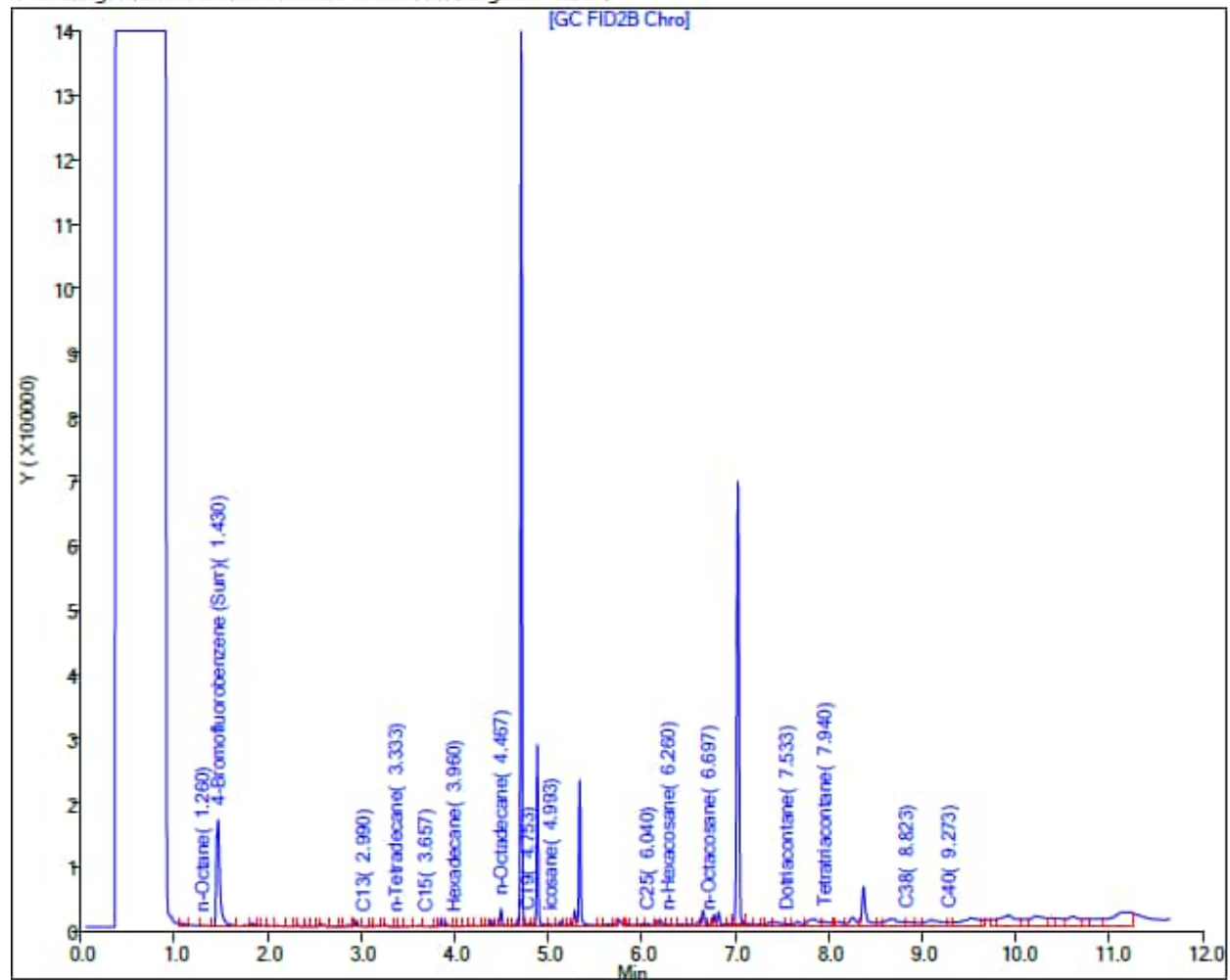
Lab Sample ID: 580-127171-1

ALS Bottle#: 0

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Worklist Smp#: 12



No Silica Gel Cleanup performed.

Location: **RHMW04**
Lab: Eurofins Seattle

Sample ID: RHMW04-WGFD01B-2305WK2

Sample Date: 5/11/2023

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 17-May-2023 13:23:28

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230517-88454.b\051723A021.D

Injection Date: 17-May-2023 12:51:20

Instrument ID: TAC129_R

Lims ID: 580-127171-J-3-A

Lab Sample ID: 580-127171-3

Client ID: RHMW04-WGFD01B-2305WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 11

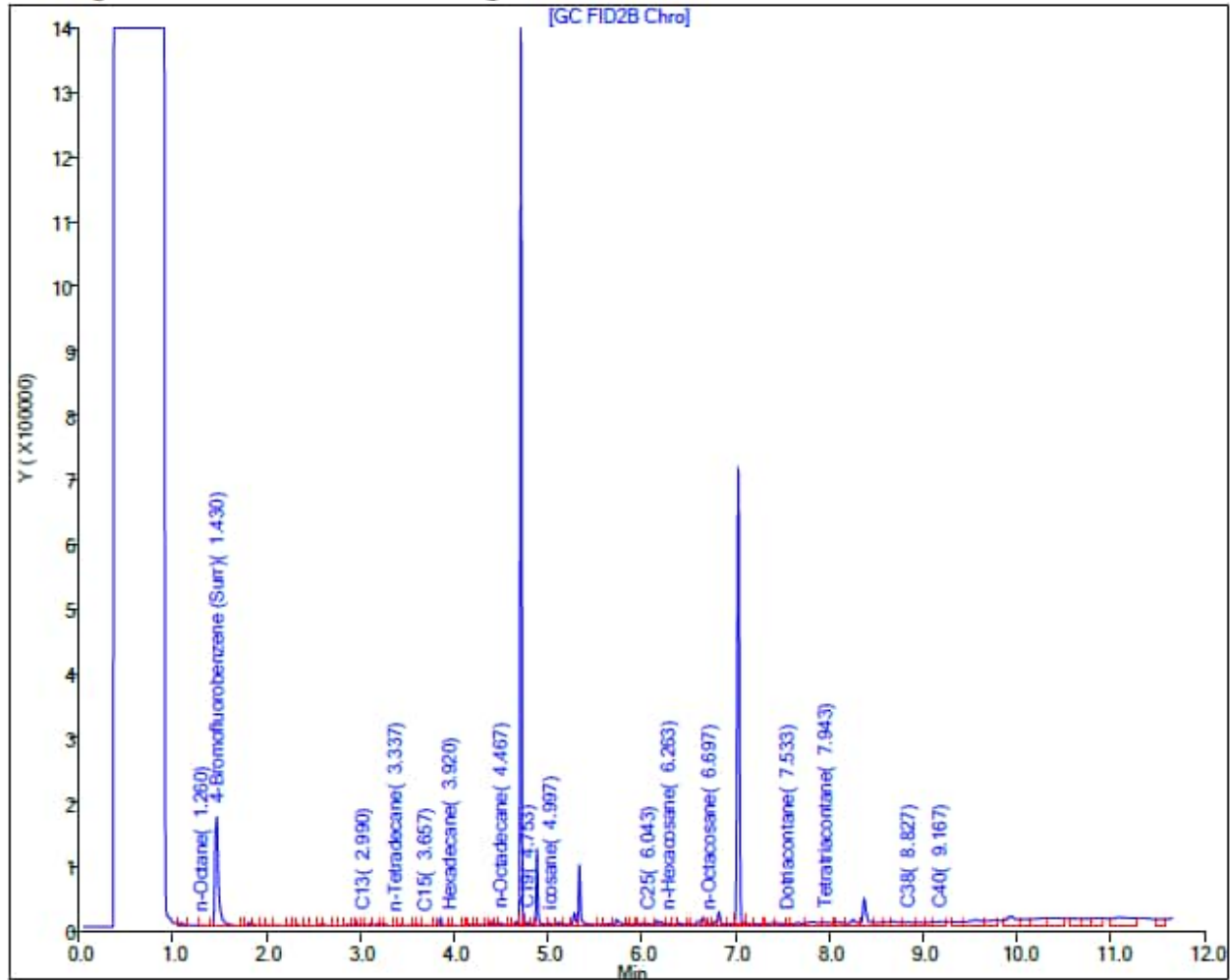
Injection Vol: 1.0 ul

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: **RHMW05**
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2302WK2

Sample Date: 2/14/2023

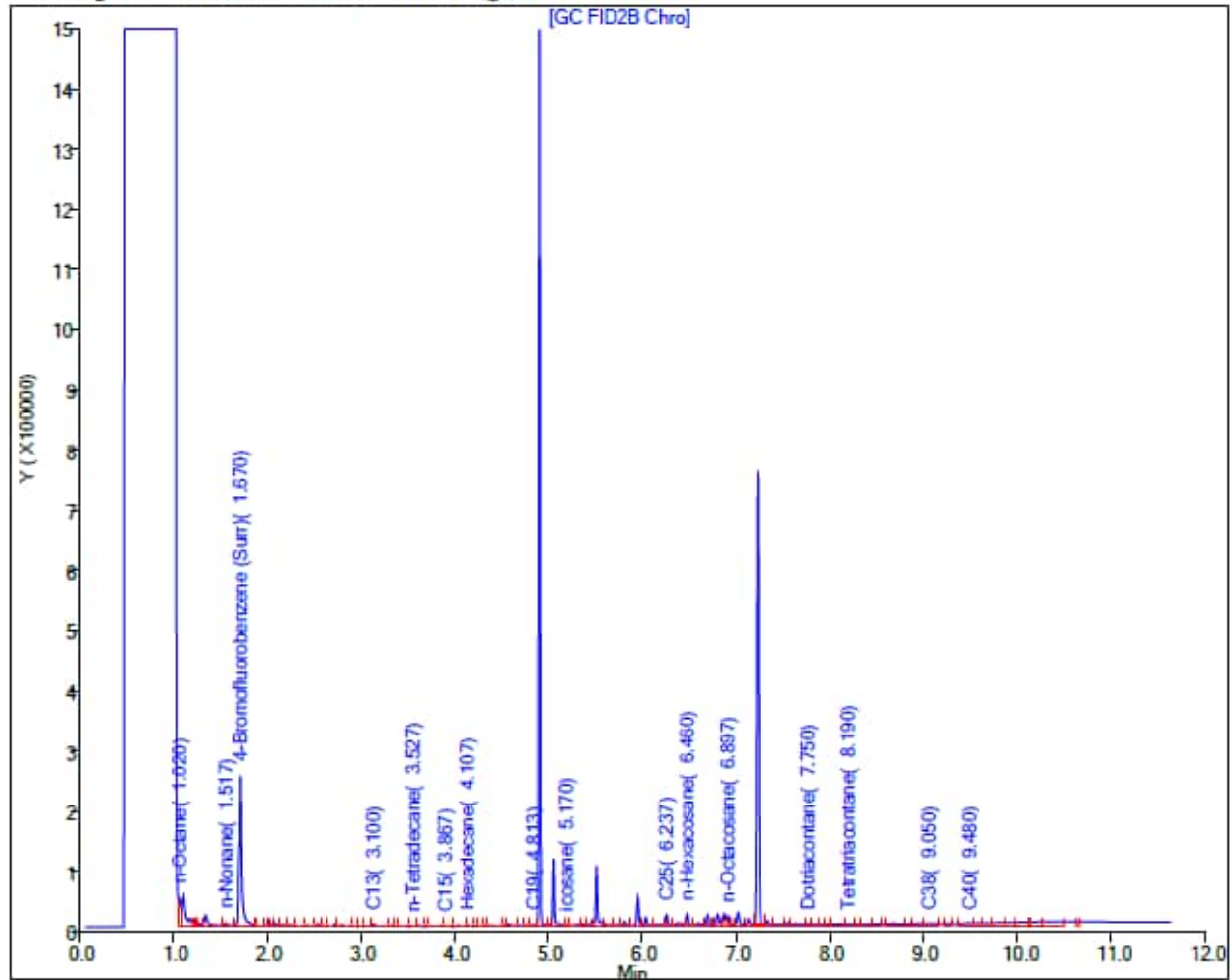
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 20-Feb-2023 09:46:39

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230217-87149.b\021723A041.D
Injection Date: 17-Feb-2023 19:55:23 Instrument ID: TAC129_R
Lims ID: 580-123602-N-1-A Lab Sample ID: 580-123602-1
Client ID: RHMW05-WGN01B-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: **RHMW05**
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2302WK3

Sample Date: 2/21/2023

Results (ug/L): **TPH-d (C10 to C24) <140 U**

TPH-o (C24 to C40) 250 J

Report Date: 28-Feb-2023 10:01:26

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 27-Feb-2023 22:30:55

Lims ID: 580-123910-O-1-A

Client ID: RHMW05-WGN01B-2302WK3

Operator ID: KW

Injection Vol: 1.0 uL

Method: TPH-TAC129Front

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

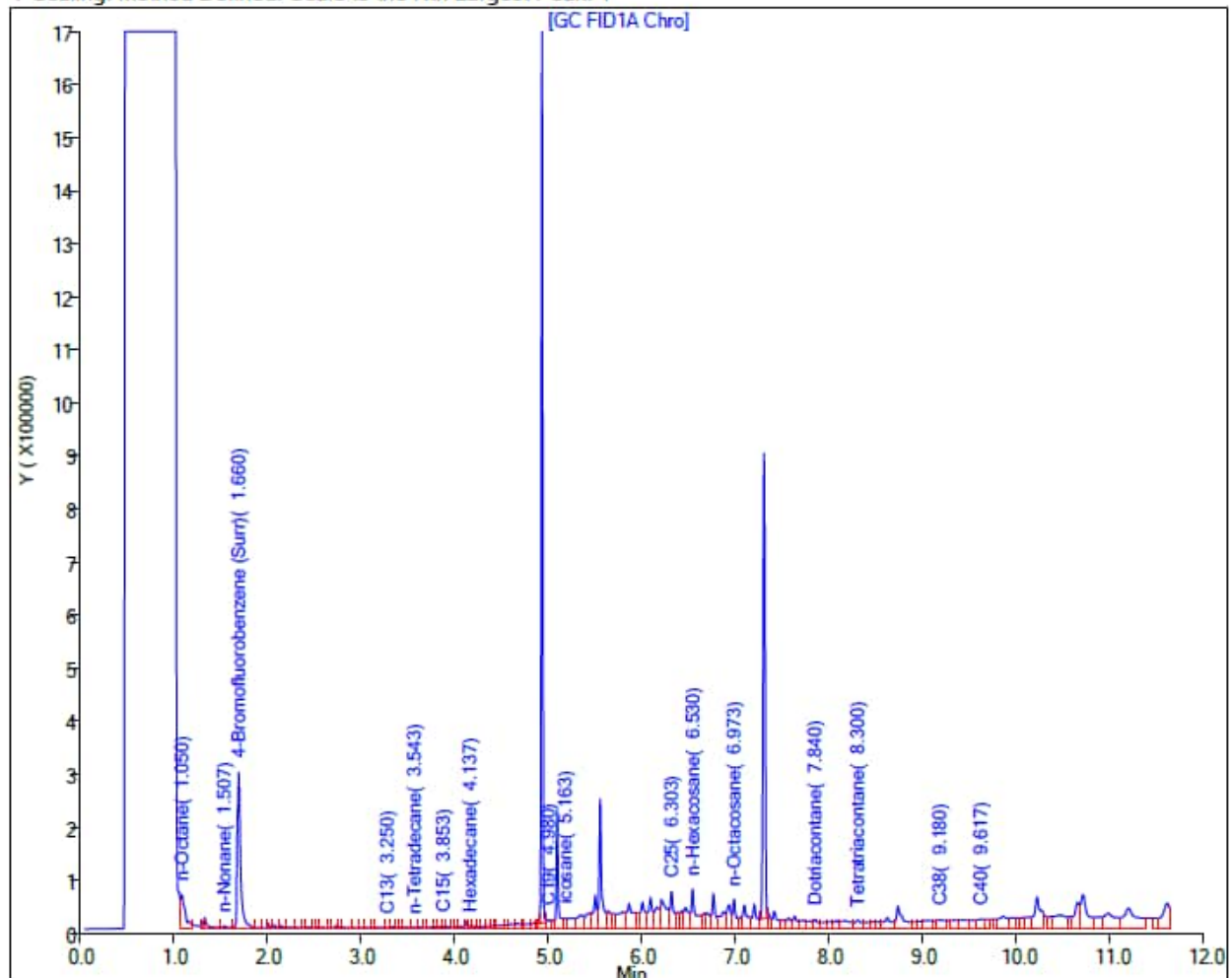
Instrument ID: TAC129

Lab Sample ID: 580-123910-1

ALS Bottle#: 0 Worklist Smp#: 16

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 02-Mar-2023 10:21:42

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\030123A020.D

Injection Date: 01-Mar-2023 17:36:18

Instrument ID: TAC129

Lims ID: 580-123910-O-1-B

Lab Sample ID: 580-123910-1

Client ID: RHMW05-WGN01B-2302WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 57

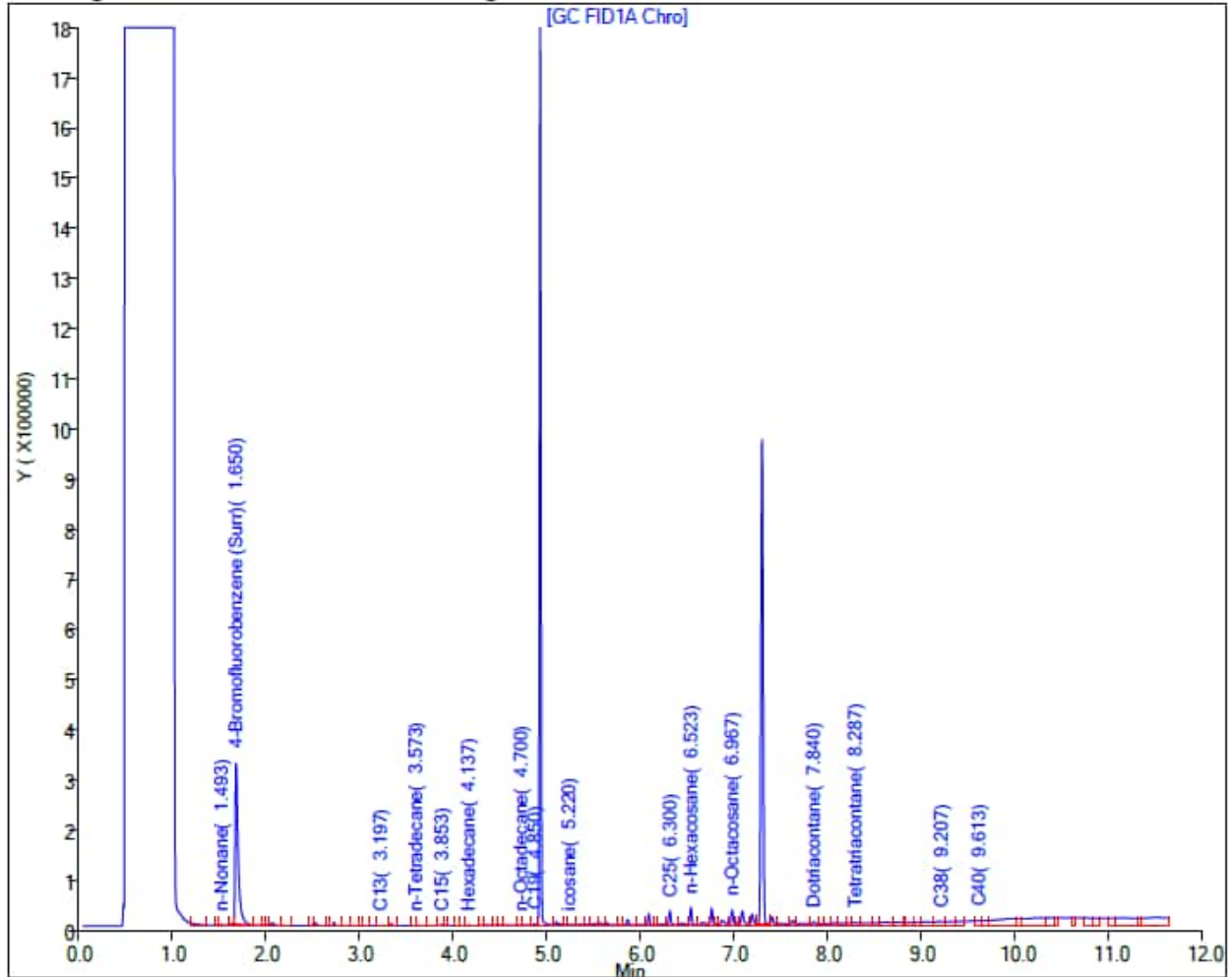
Injection Vol: 1.0 uL

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: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2302WK4

Sample Date: 2/28/2023

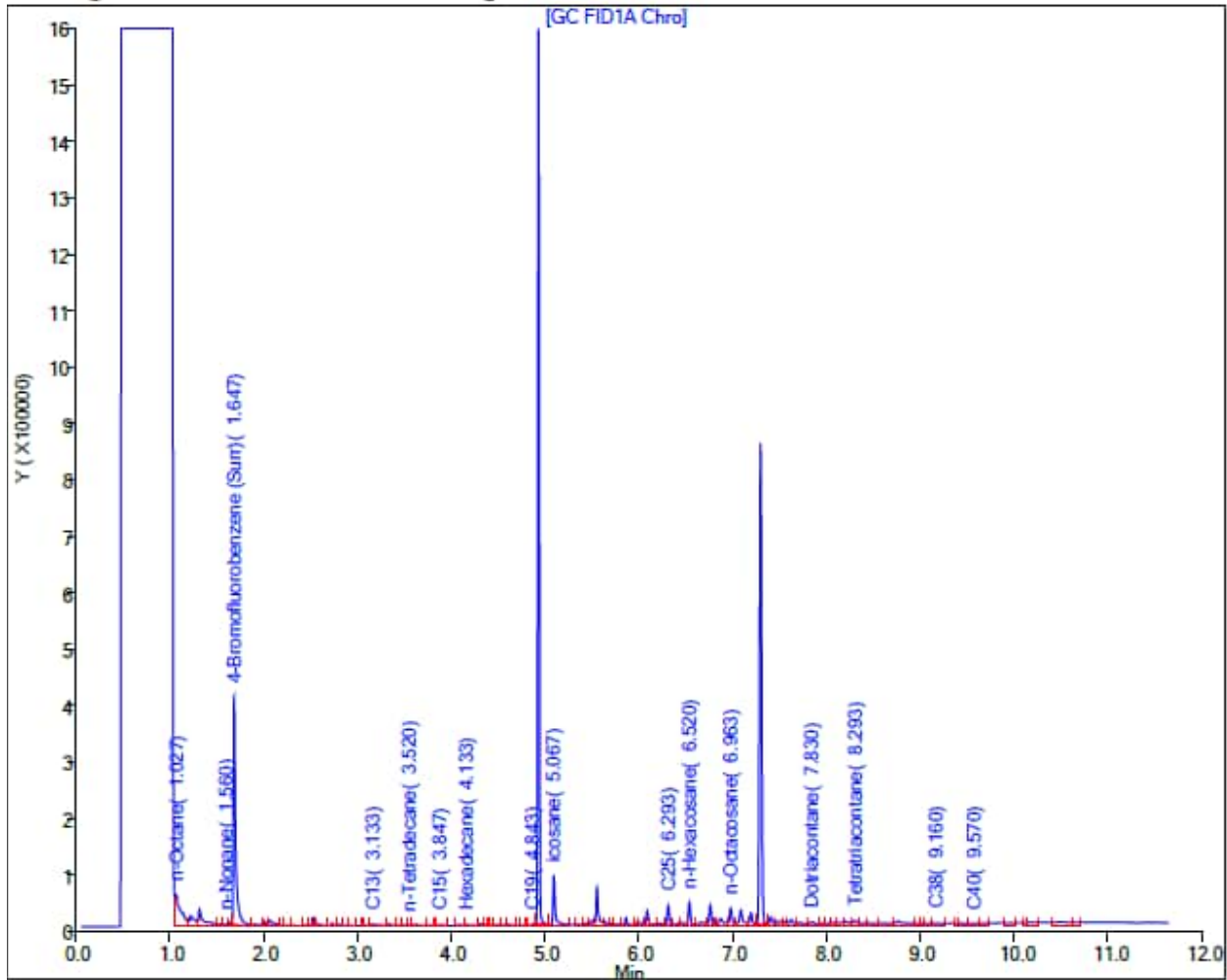
Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 08-Mar-2023 08:41:41

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A086.D
Injection Date: 07-Mar-2023 23:00:46 Instrument ID: TAC129
Lims ID: 580-124109-N-13-A Lab Sample ID: 580-124109-13
Client ID: RHMW05-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



Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2303WK1

Sample Date: 3/7/2023

Results (ug/L): TPH-d (C10 to C24) <75 U

TPH-o (C24 to C40) 220 U

Report Date: 13-Mar-2023 11:32:47

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87455.b\031023B034.D

Injection Date: 11-Mar-2023 00:13:47

Instrument ID: TAC129

Lims ID: 580-124459-N-7-A

Lab Sample ID: 580-124459-7

Client ID: RHMW05-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 17

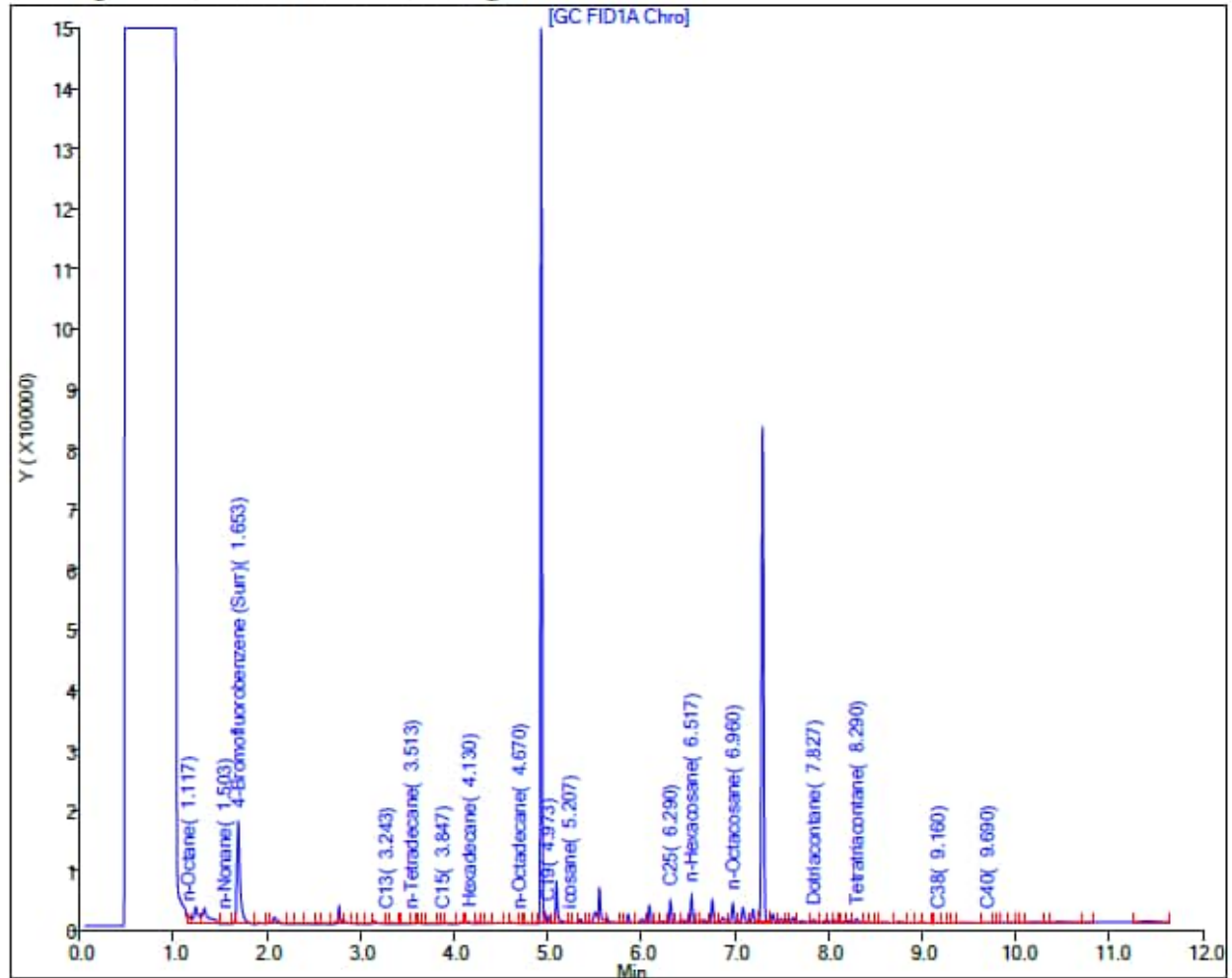
Injection Vol: 1.0 uL

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



Location: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2303WK3

Sample Date: 3/21/2023

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <300 UJ

Report Date: 06-Apr-2023 08:55:40

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 06-Apr-2023 00:01:49

Lims ID: 580-125125-M-9-A

Client ID: RHMW05-WGN01B-2303WK3

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-Front_TAC020

Column: ZB-1 High Temp. Inferno (0.25 mm)

Instrument ID: TAC020

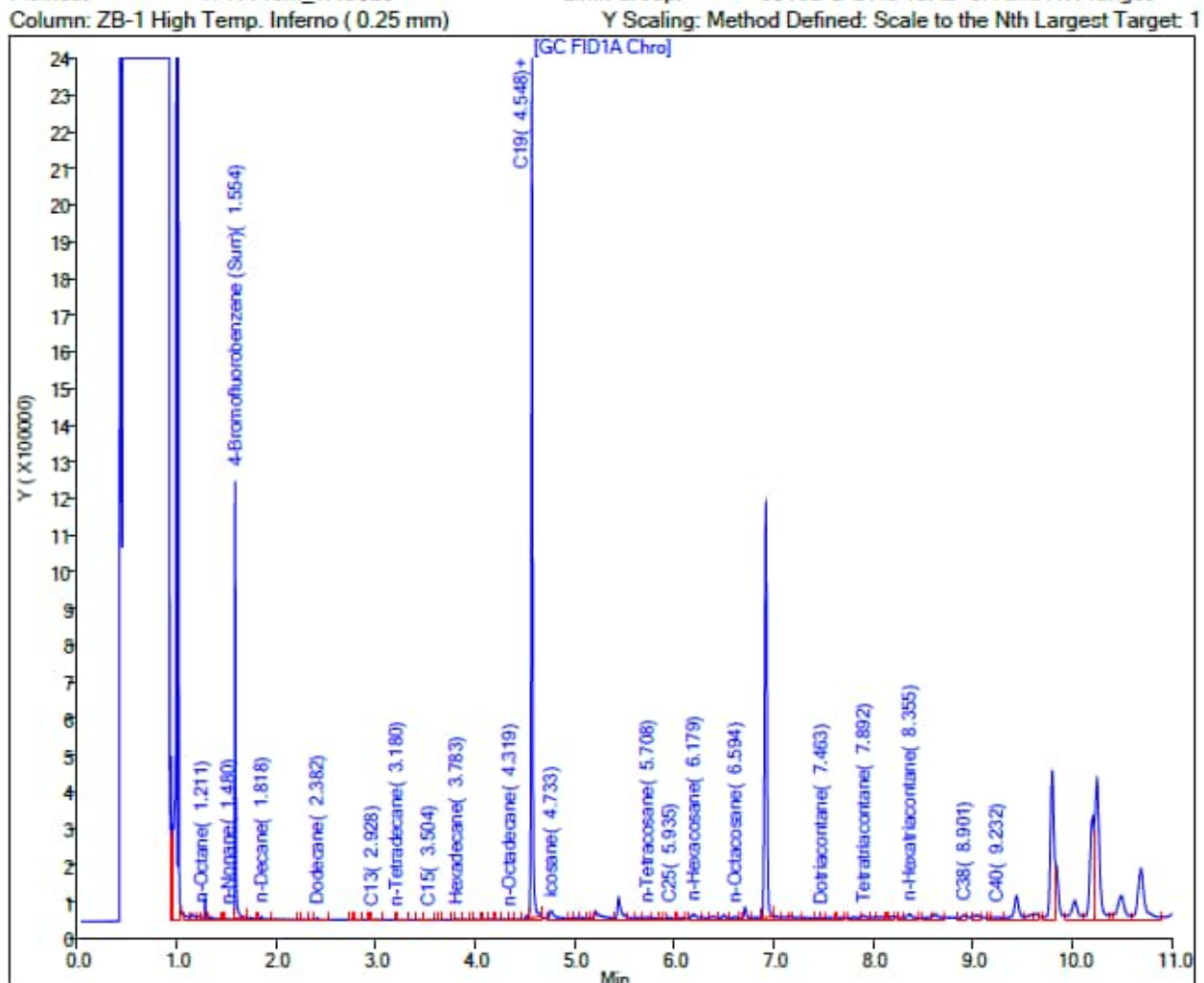
Lab Sample ID: 580-125125-9

ALS Bottle#: 0 Worklist Smp#: 40

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: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2303WK4

Sample Date: 3/28/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 05-Apr-2023 11:51:29

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A037.D

Eurofins Seattle

Injection Date: 04-Apr-2023 21:46:01

Instrument ID: TAC020

Lims ID: 580-125358-N-11-A

Lab Sample ID: 580-125358-11

Client ID: RHMW05-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 37

Injection Vol: 1.0 ul

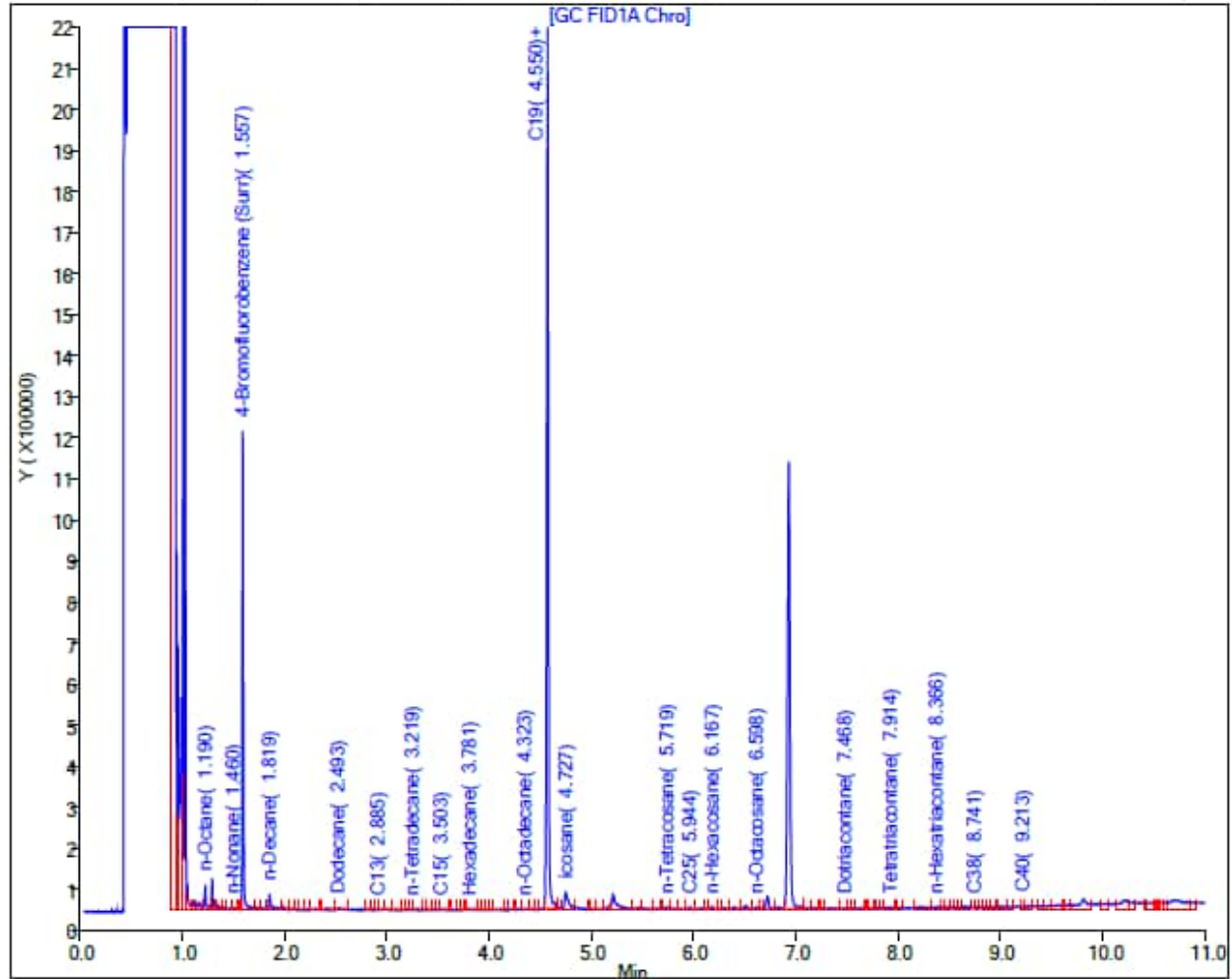
Dil. Factor: 1.0000

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: RHMW05
Lab: Eurofins Seattle

Sample ID: RHMW05-WGN01B-2304WK1

Sample Date: 4/4/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 11-Apr-2023 09:27:38

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230410-87867.b\041023A047.D

Eurofins Seattle

Injection Date: 11-Apr-2023 01:49:33

Instrument ID: TAC020

Lims ID: 580-125644-N-5-A

Lab Sample ID: 580-125644-5

Client ID: RHMW05-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 47

Injection Vol: 1.0 ul

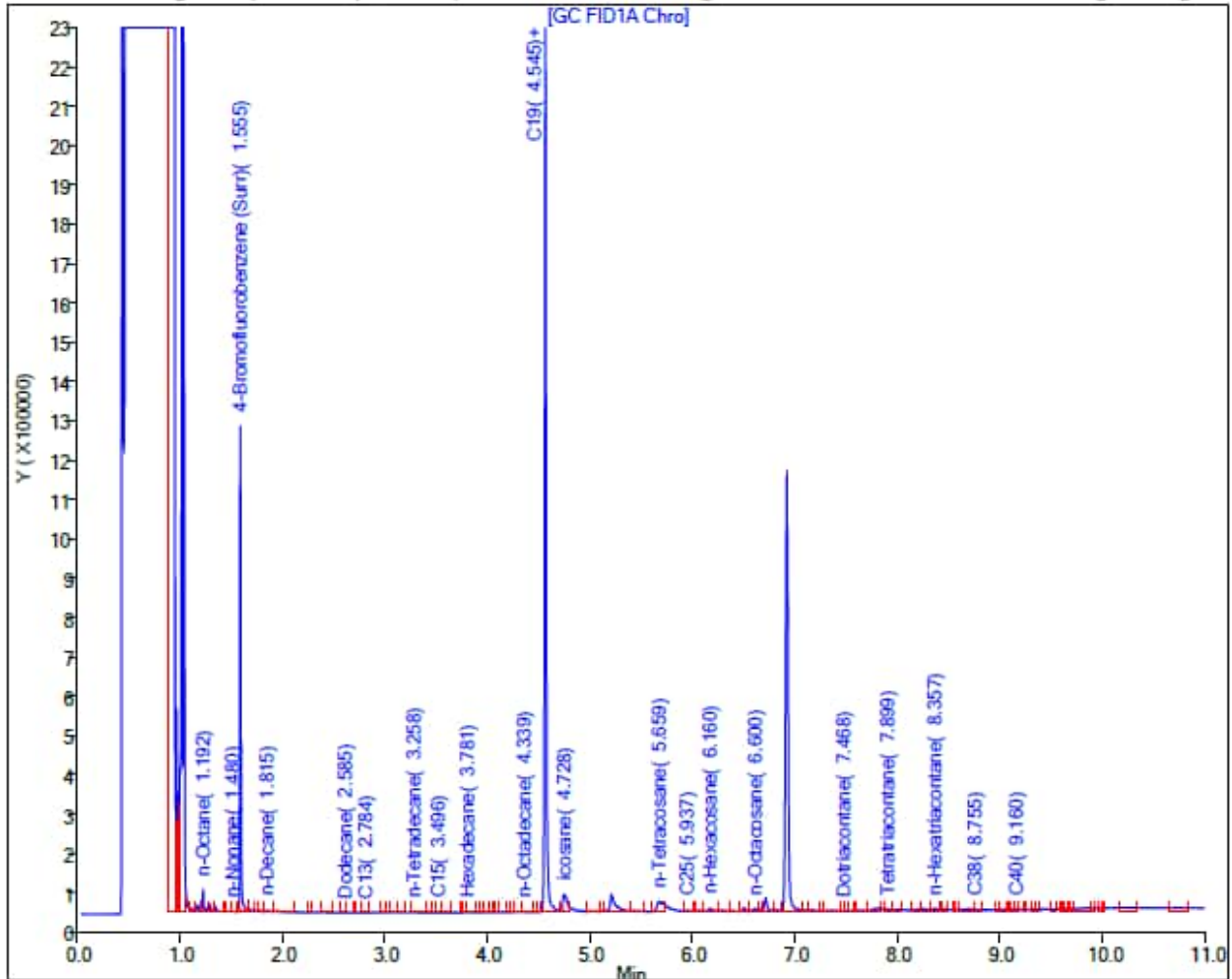
Dil. Factor: 1.0000

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-2305WK1

Sample Date: 5/2/2023

Results (ug/L): TPH-d (C10 to C24) <100

TPH-o (C24 to C40) <310

Report Date: 08-May-2023 15:31:38

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230508-88306.b\050823A005.D

Injection Date: 08-May-2023 15:00:13

Instrument ID: TAC020

Lims ID: 580-126762-N-7-A

Lab Sample ID: 580-126762-7

Client ID: RHMW05-WGN01B-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul

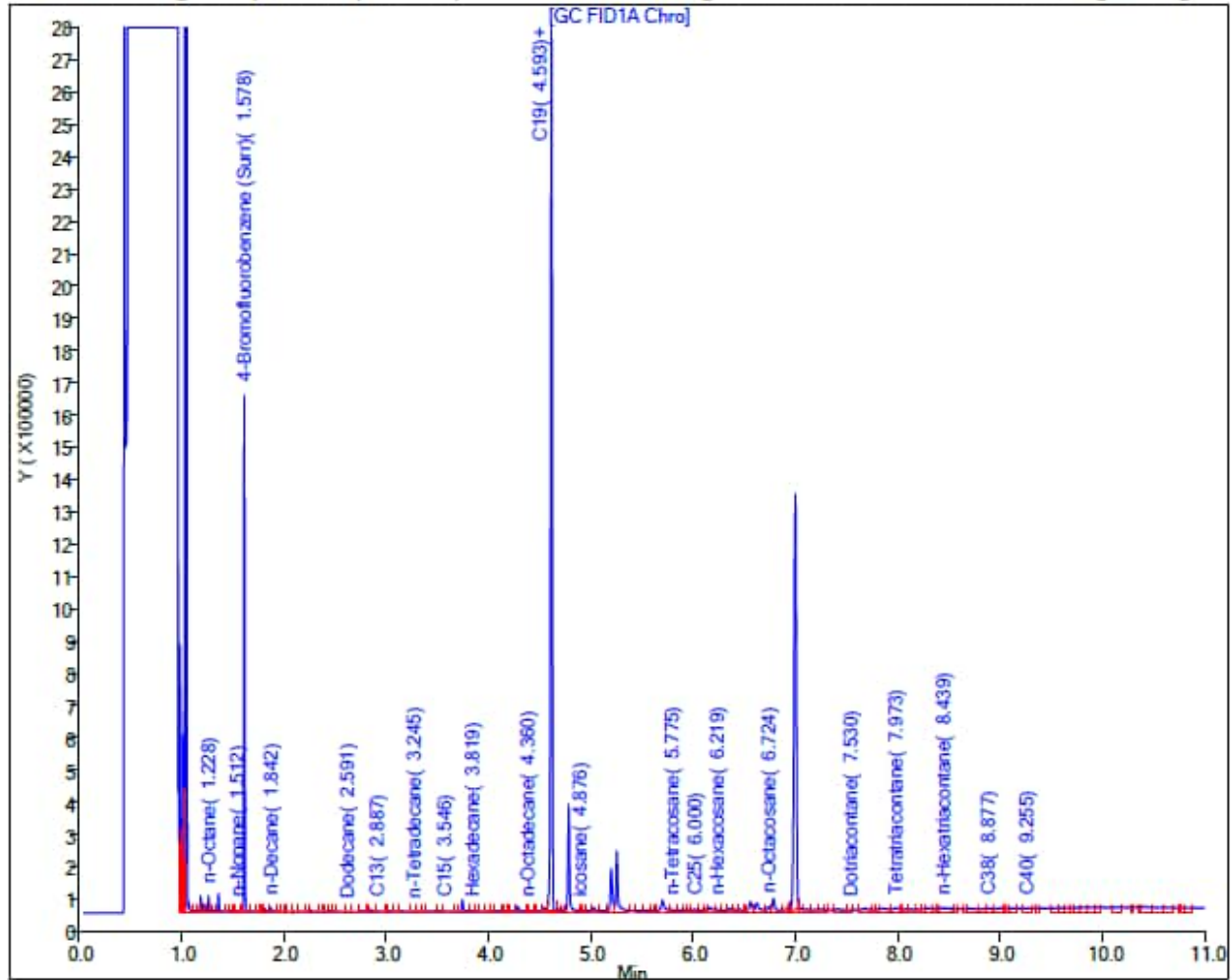
Dil. Factor: 1.0000

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-2305WK3

Sample Date: 5/16/2023

Results (ug/L): TPH-d (C10 to C24) <110 U

TPH-o (C24 to C40) <320 U

Report Date: 22-May-2023 09:31:42

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230519-88500.b\051923A039.D

Injection Date: 19-May-2023 23:26:13

Instrument ID: TAC020

Lims ID: 580-127393-O-1-A

Lab Sample ID: 580-127393-1

Client ID: RHMW05-WGN01B-2305WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 39

Injection Vol: 1.0 ul

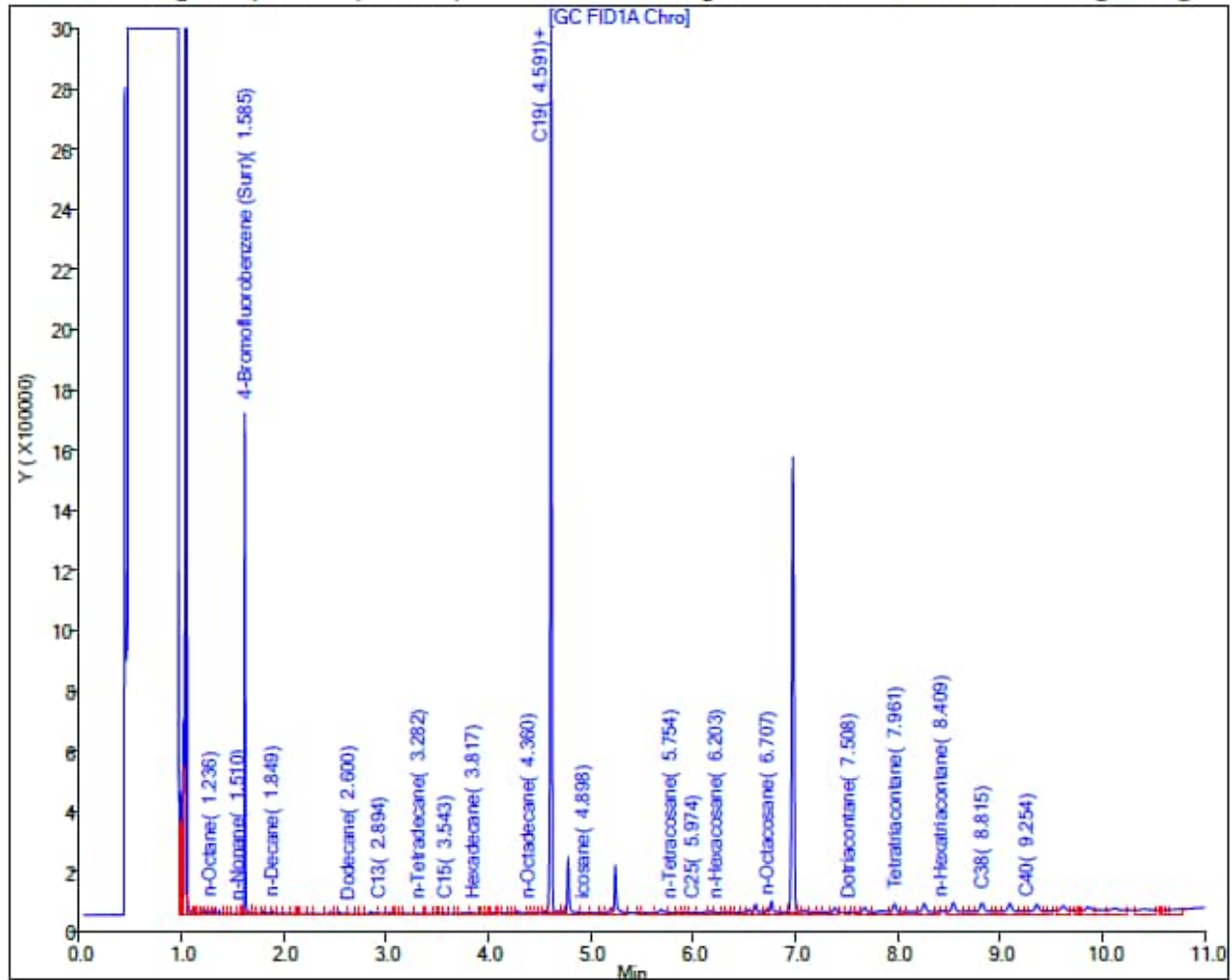
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **RHMW06**
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2301WK4

Sample Date: 1/25/2023

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 03-Feb-2023 08:37:57

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230202-86914.b\020223A053.D

Injection Date: 02-Feb-2023 17:52:01

Instrument ID: TAC129_R

Lims ID: 580-122761-F-6-A

Lab Sample ID: 580-122761-6

Client ID: RHMW06-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 27

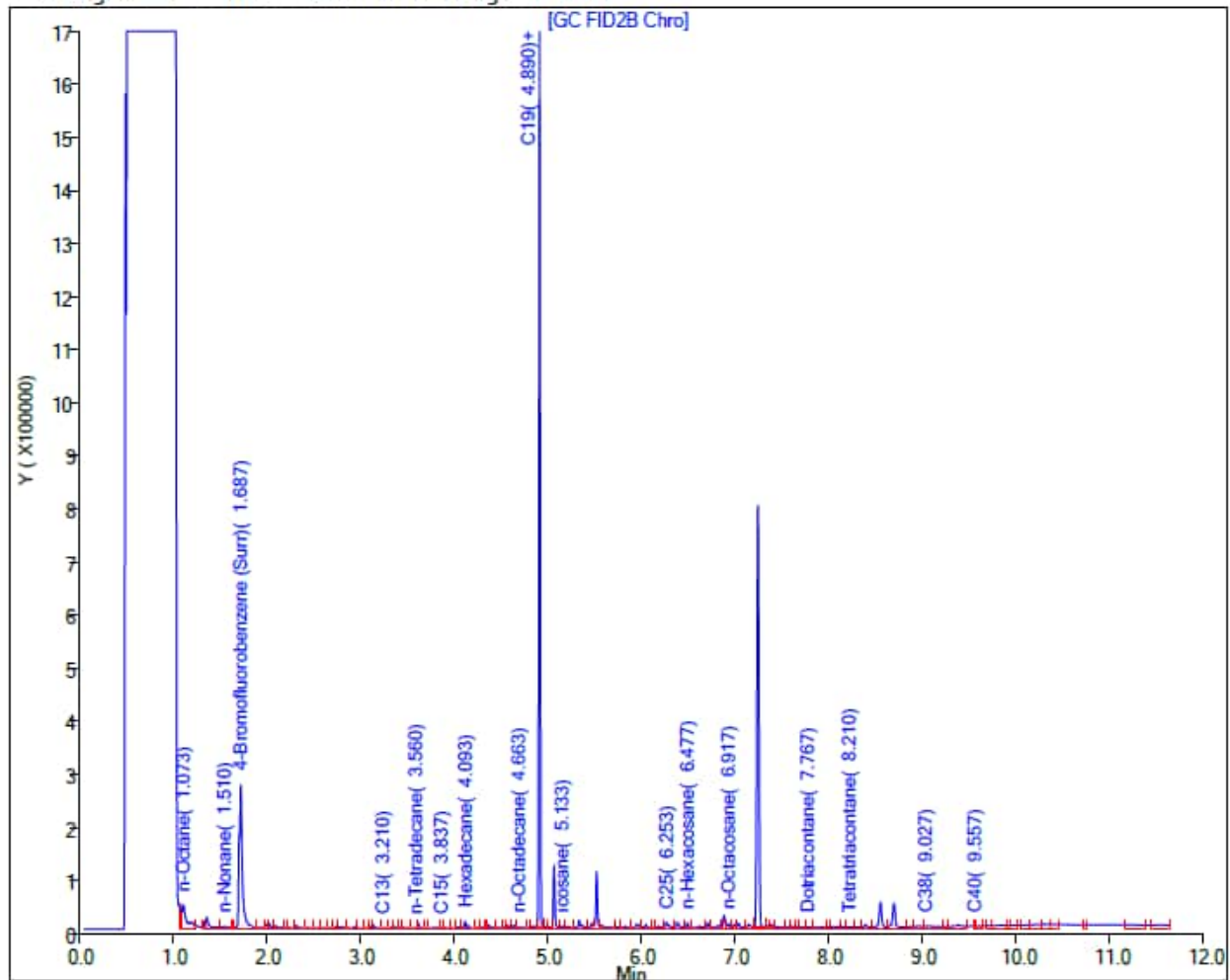
Injection Vol: 1.0 uL/L

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



No Silica Gel Cleanup performed.

Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2303WK1

Sample Date: 3/9/2023

Results (ug/L): TPH-d (C10 to C24) <84 UJ

TPH-o (C24 to C40) <250 U

Report Date: 21-Mar-2023 14:54:17

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC020\20230321-87596.b\032123A009.D

Eurofins Seattle

Injection Date: 21-Mar-2023 12:02:14

Instrument ID: TAC020

Lims ID: 580-124581-N-1-A

Lab Sample ID: 580-124581-1

Client ID: RHMW06-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul

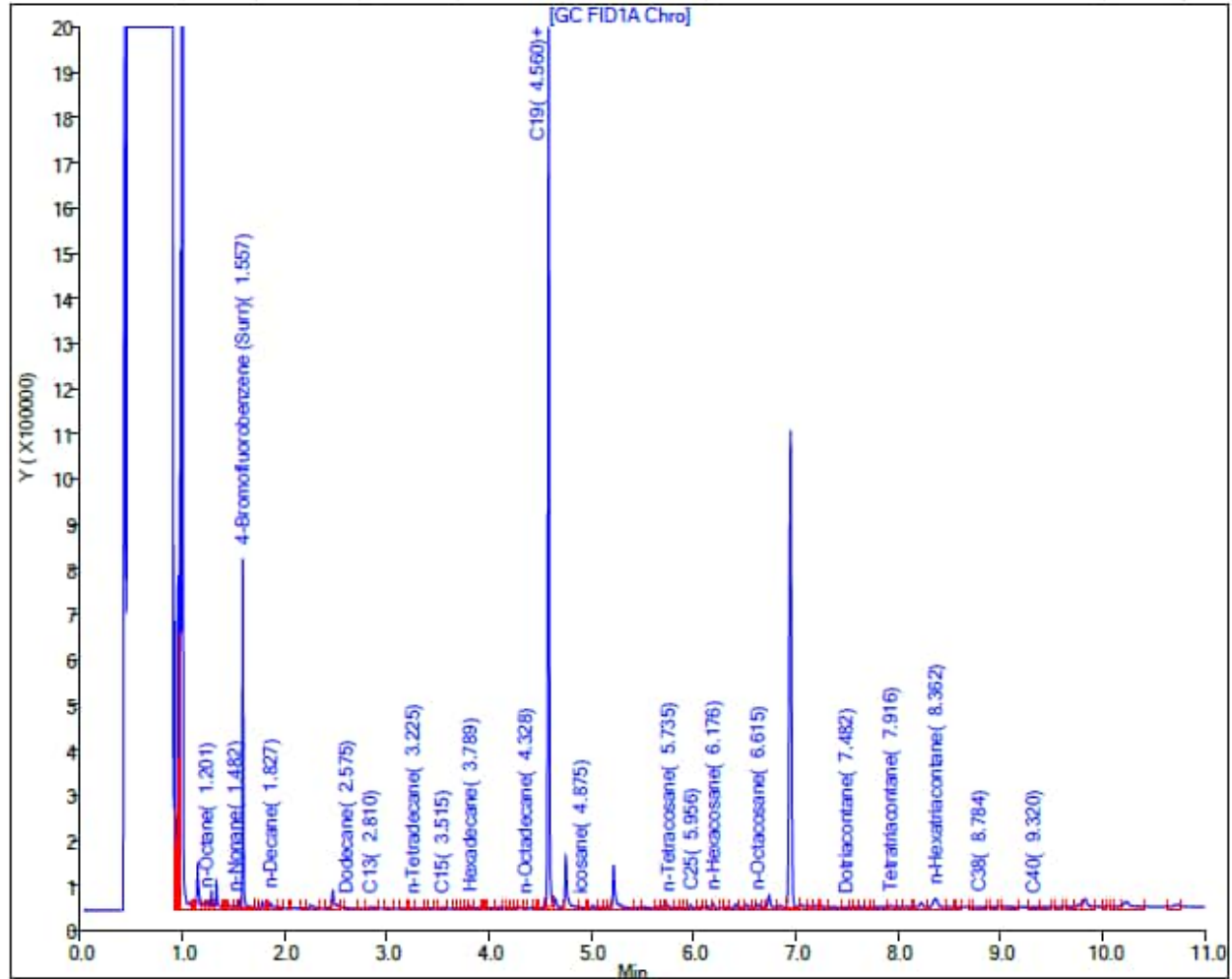
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2303WK2

Sample Date: 3/15/2023

Results (ug/L): TPH-d (C10 to C24) <82 U

TPH-o (C24 to C40) <250 U

Report Date: 28-Mar-2023 08:59:05

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 27-Mar-2023 17:22:18

Lims ID: 580-124868-N-8-A

Client ID: RHMW06-WGN01B-2303WK2

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: 580-124868-8

ALS Bottle#:

Dil. Factor:

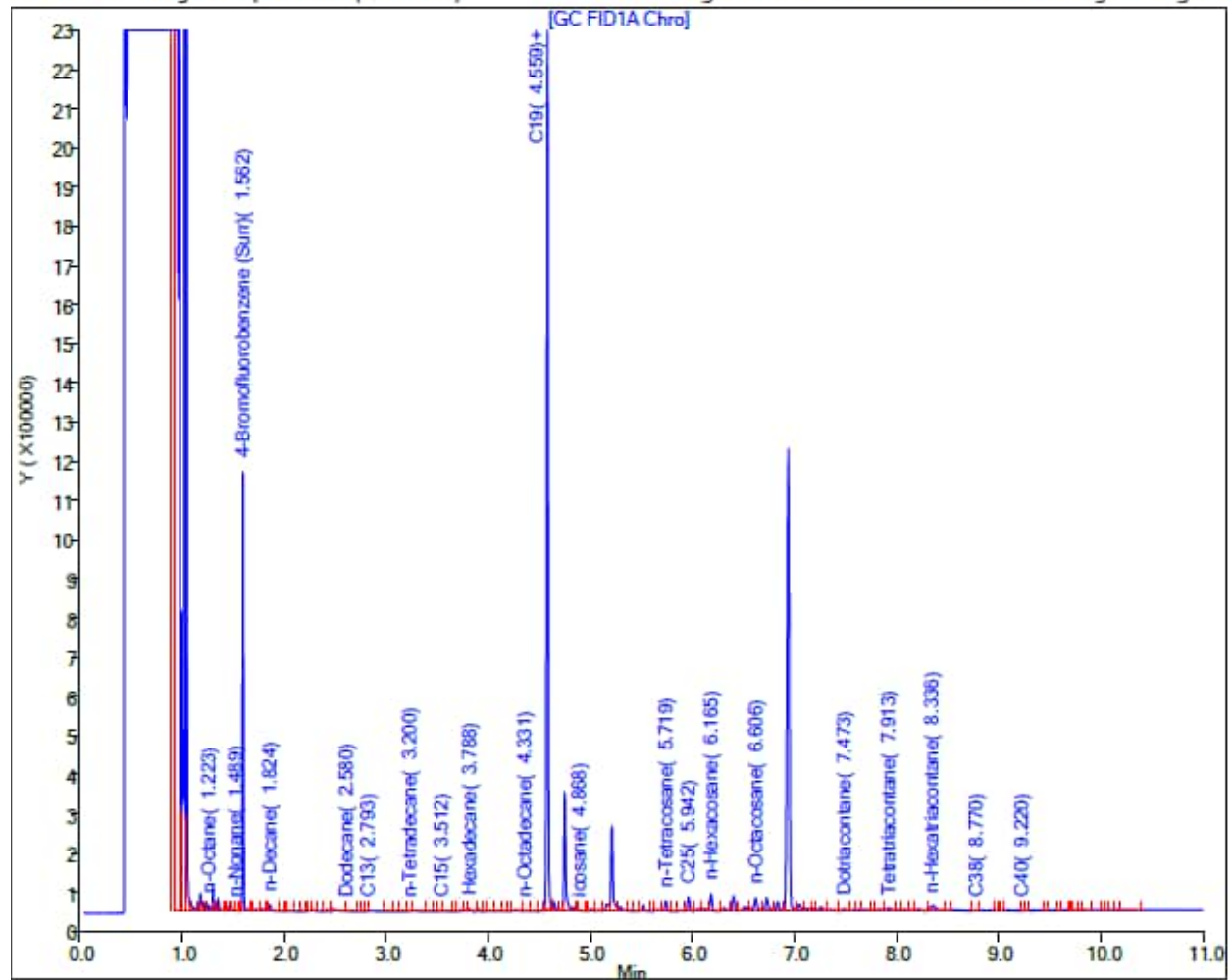
Limit Group:

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

Worklist Smp#: 18

1.0000

8015B-D DRO ICAL CA and HW ranges



No Silica Gel Cleanup performed.

Location: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2303WK3

Sample Date: 3/24/2023

Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <310 U

Report Date: 06-Apr-2023 09:00:53

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\Eurofins Seattle

Injection Date: 06-Apr-2023 00:42:12

Lims ID: 580-125216-N-1-A

Client ID: RHMW06-WGN01B-2303WK3

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-Front_TAC020

Column: ZB-1 High Temp. Inferno (0.25 mm)

Instrument ID: TAC020

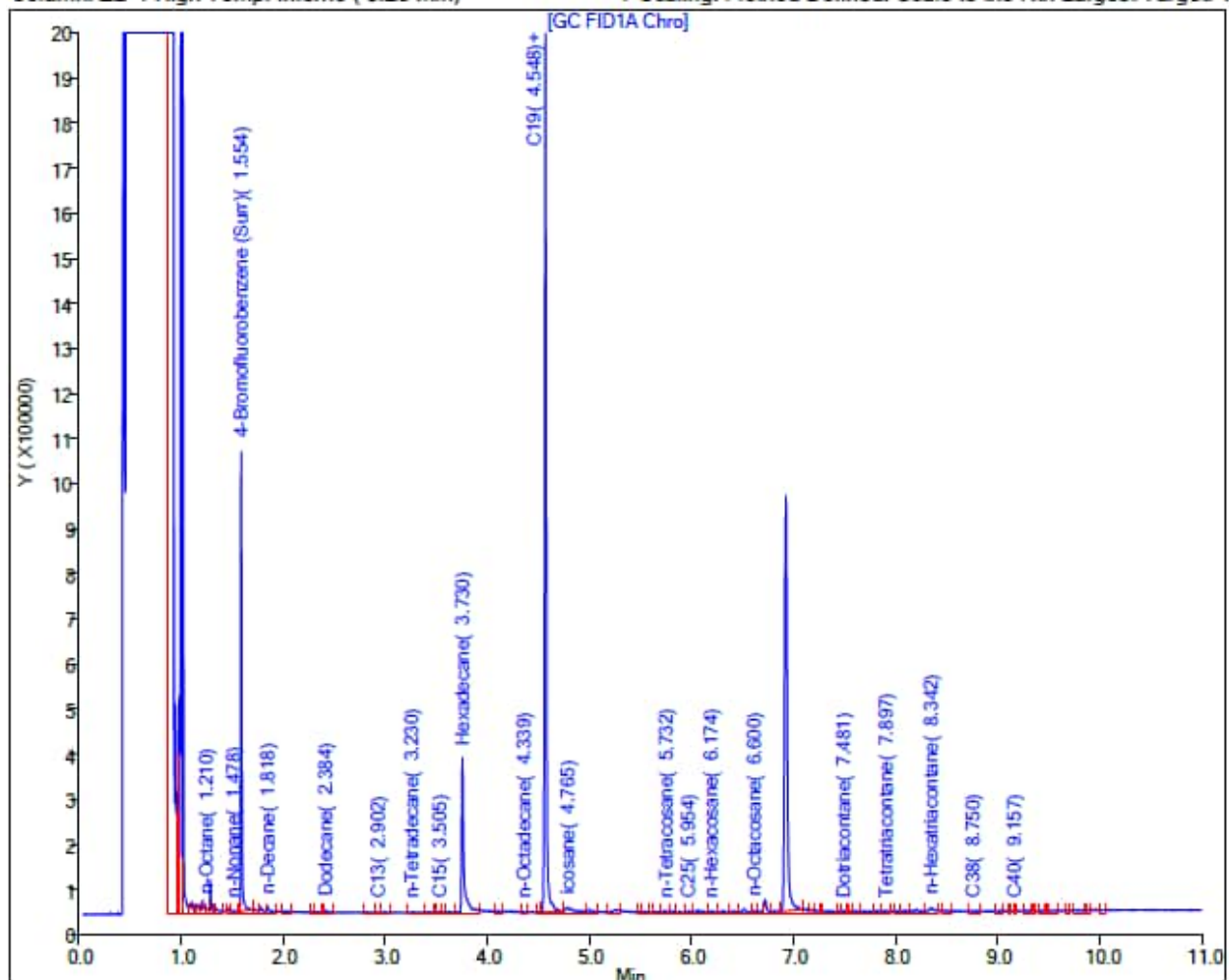
Lab Sample ID: 580-125216-1

ALS Bottle#: 0 Worklist Smp#: 42

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: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2303WK4

Sample Date: 3/30/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 07-Apr-2023 09:14:10

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230406-87828.b\040623A026.D

Eurofins Seattle

Injection Date: 06-Apr-2023 18:44:17

Instrument ID: TAC020

Lims ID: 580-125401-O-12-A

Lab Sample ID: 580-125401-12

Client ID: RHMW06-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul

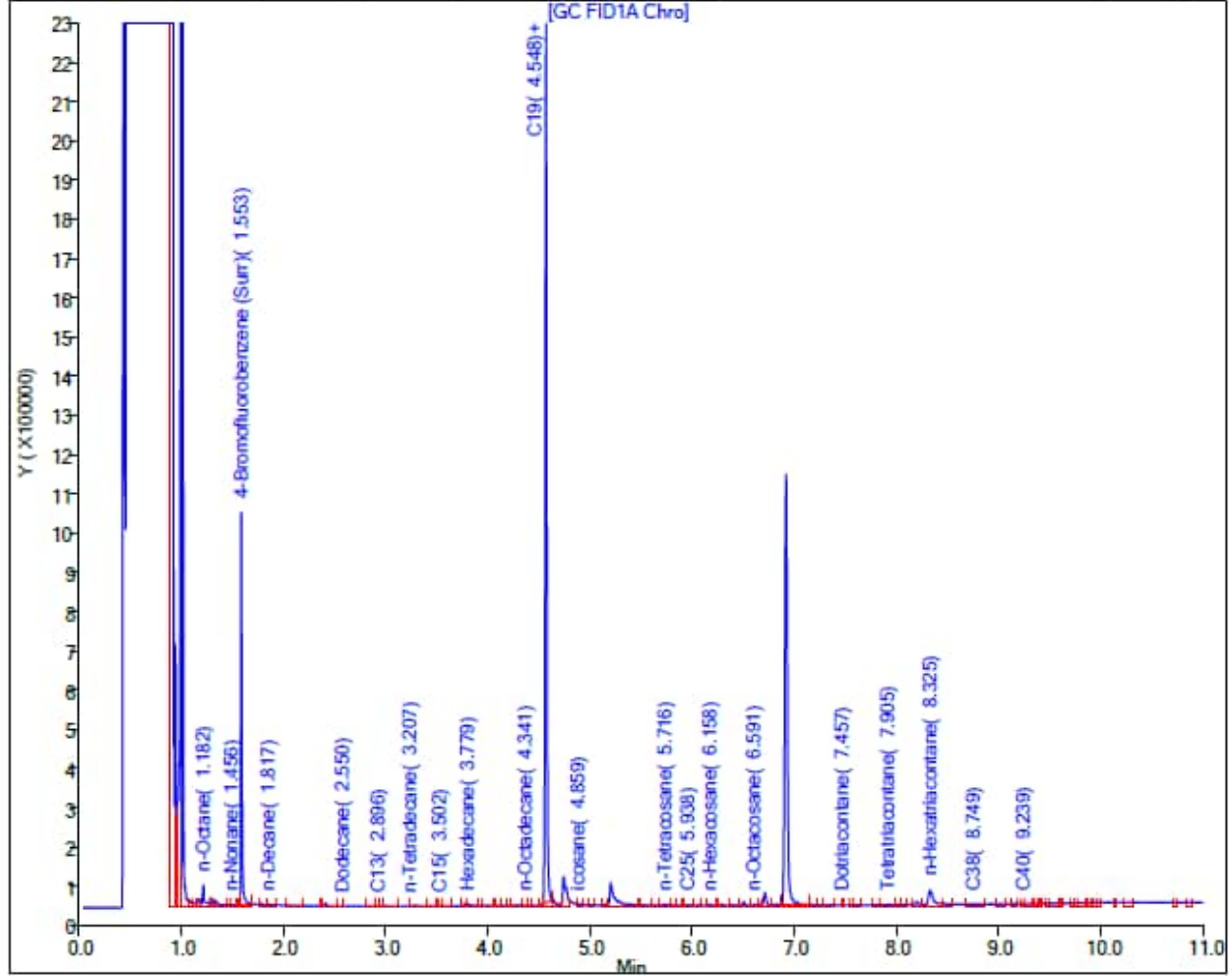
Dil. Factor: 1.0000

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: RHMW06
Lab: Eurofins Seattle

Sample ID: RHMW06-WGN01B-2304WK1

Sample Date: 4/6/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 13-Apr-2023 09:25:09

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230412-87914.b\041223A027.D

Eurofins Seattle

Injection Date: 12-Apr-2023 19:19:00

Instrument ID: TAC020

Lims ID: 580-125737-O-5-A

Lab Sample ID: 580-125737-5

Client ID: RHMW06-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul

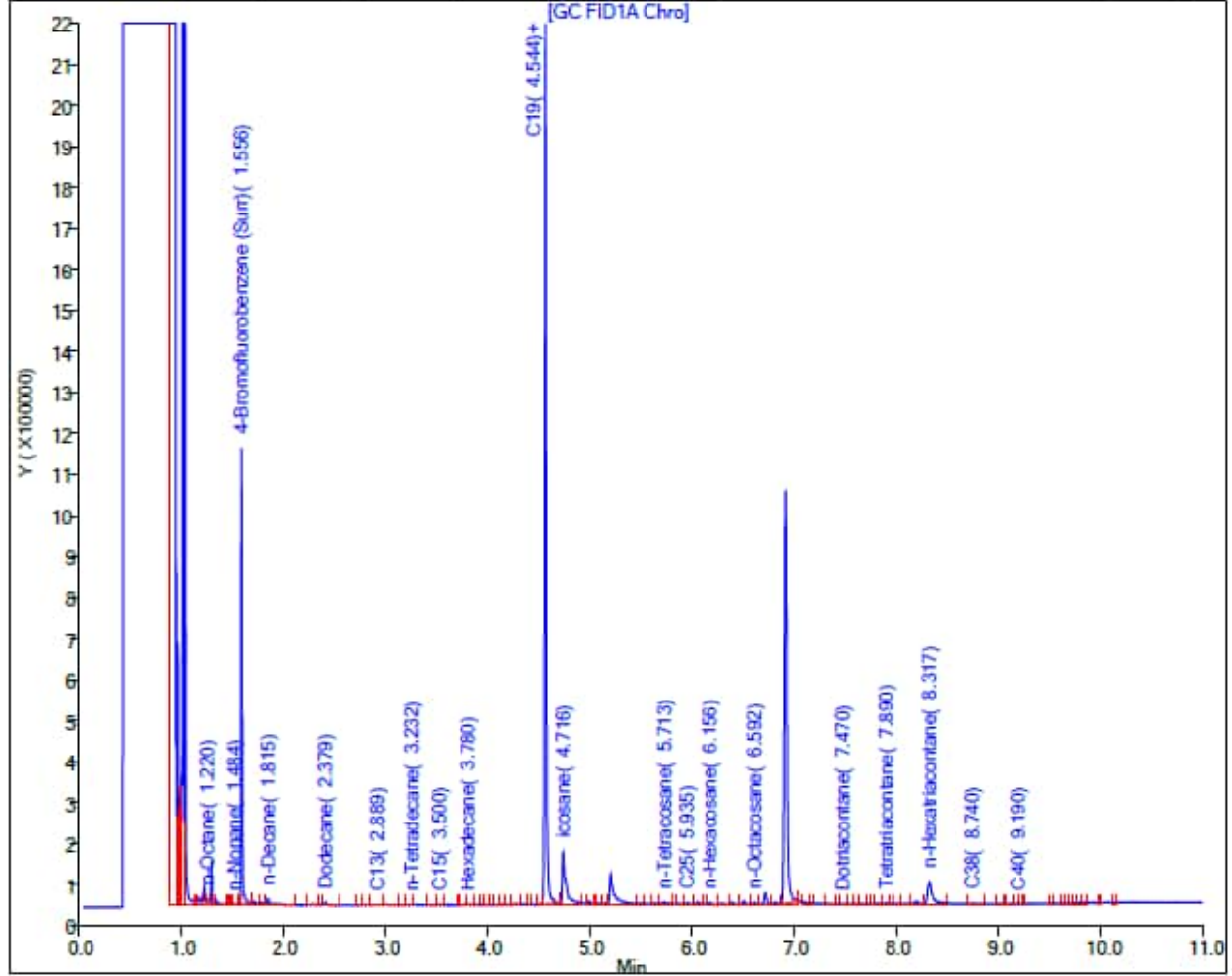
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **RHMW08**
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN01B-2301WK4

Sample Date: 1/25/2023

Results (ug/L): **TPH-d (C10 to C24) 840**

TPH-o (C24 to C40) 700

Report Date: 03-Feb-2023 08:37:39

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Data File: Eurofins Seattle

Injection Date: \\chromfs\Seattle\ChromData\TAC129_R\20230202-86914.b\020223A043.D

Lims ID: 580-122761-E-1-A

Instrument ID: TAC129_R

Client ID: RHMW08-WGN01B-2301WK4

Lab Sample ID: 580-122761-1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 22

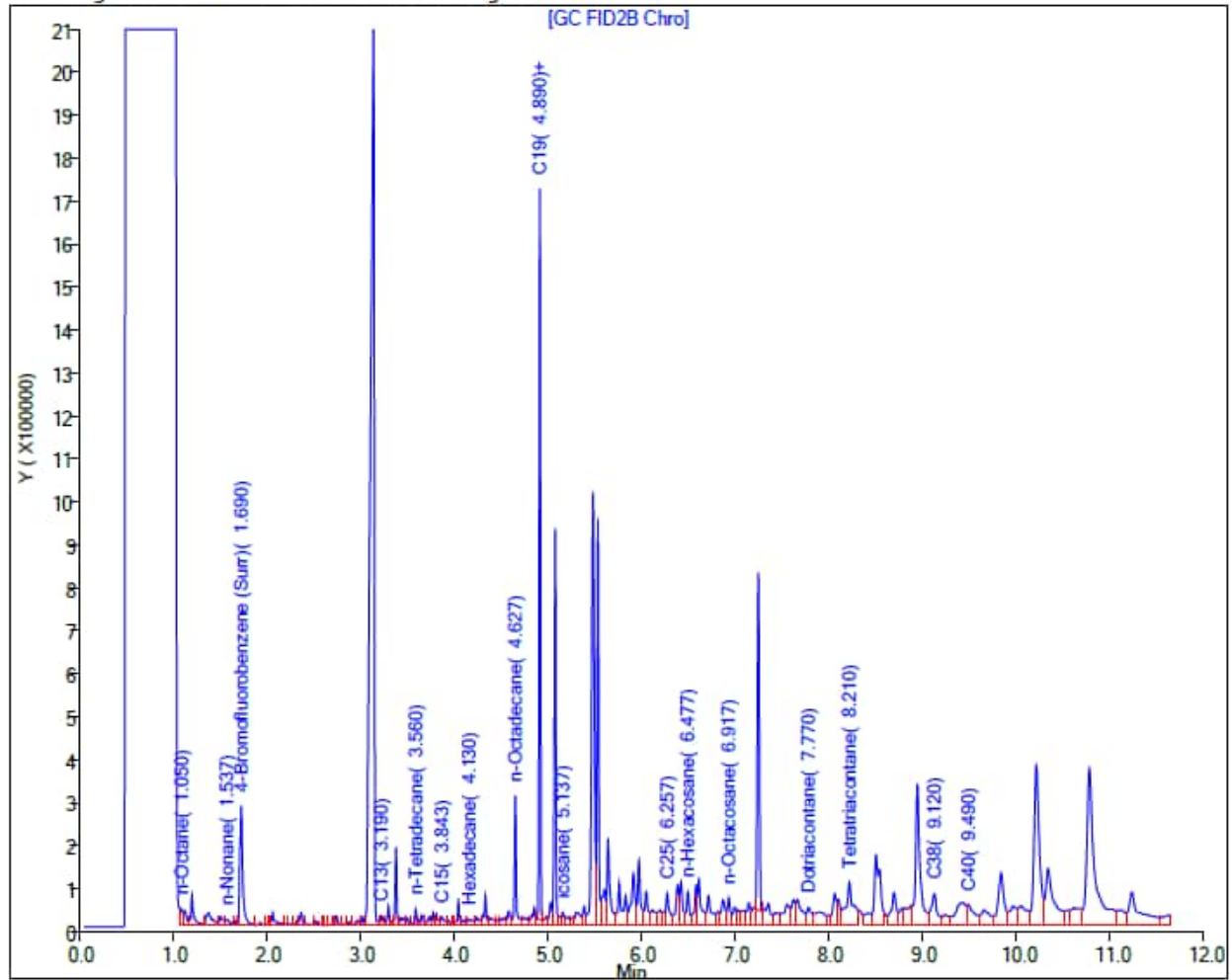
Injection Vol: 1.0 uL/L

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



Results (ug/L): TPH-d SGC (C10 to C24) 250

TPH-o SGC (C24 to C40) 370

Report Date: 07-Feb-2023 11:18:05

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Data File: Eurofins Seattle

Injection Date: 06-Feb-2023 18:56:53

Lims ID: 580-122761-E-1-B

Client ID: RHMW08-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

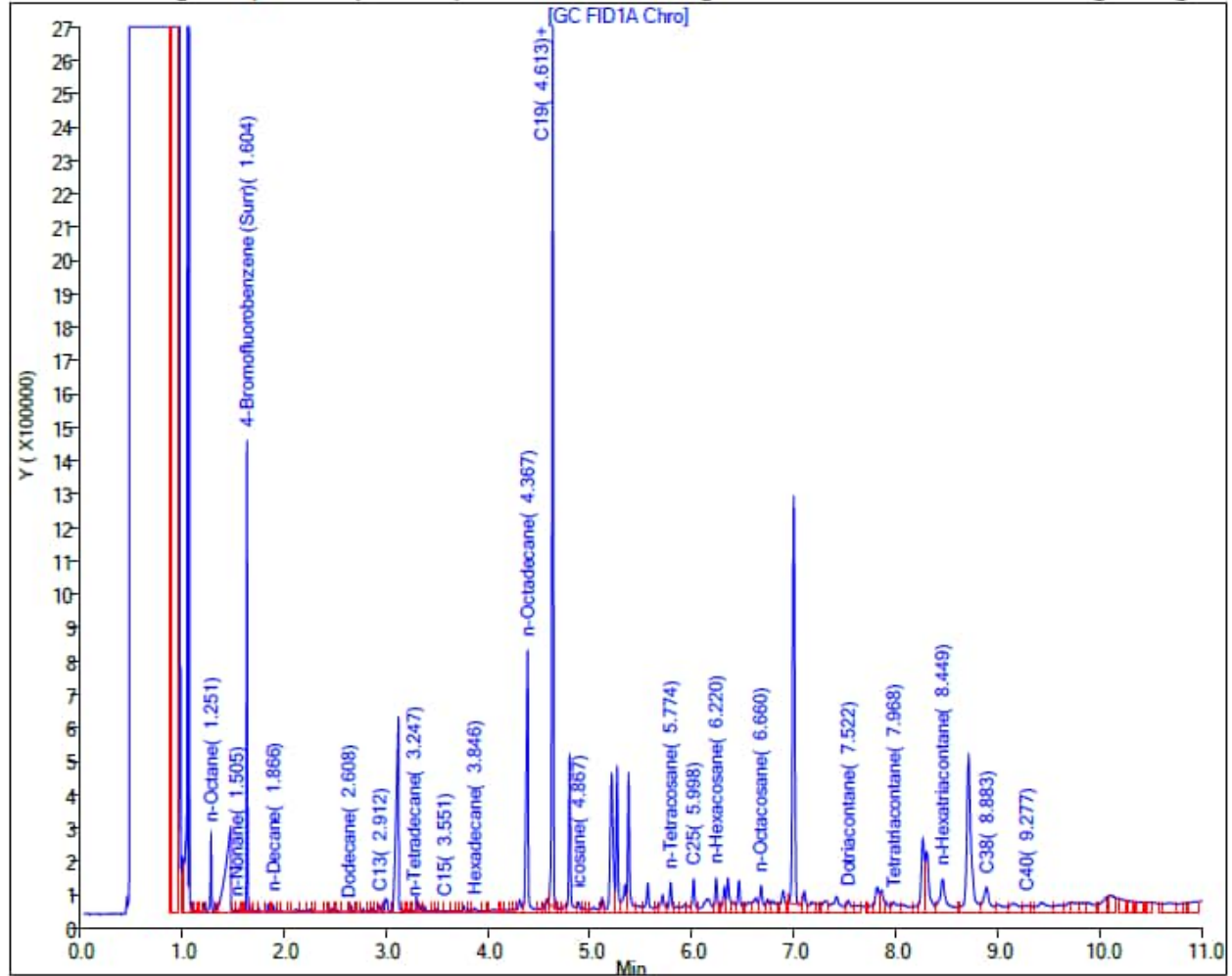
Lab Sample ID: 580-122761-1

ALS Bottle#: 0 Worklist Smp#: 29

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: **RHMW08**
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN01B-2303WK1

Sample Date: 3/9/2023

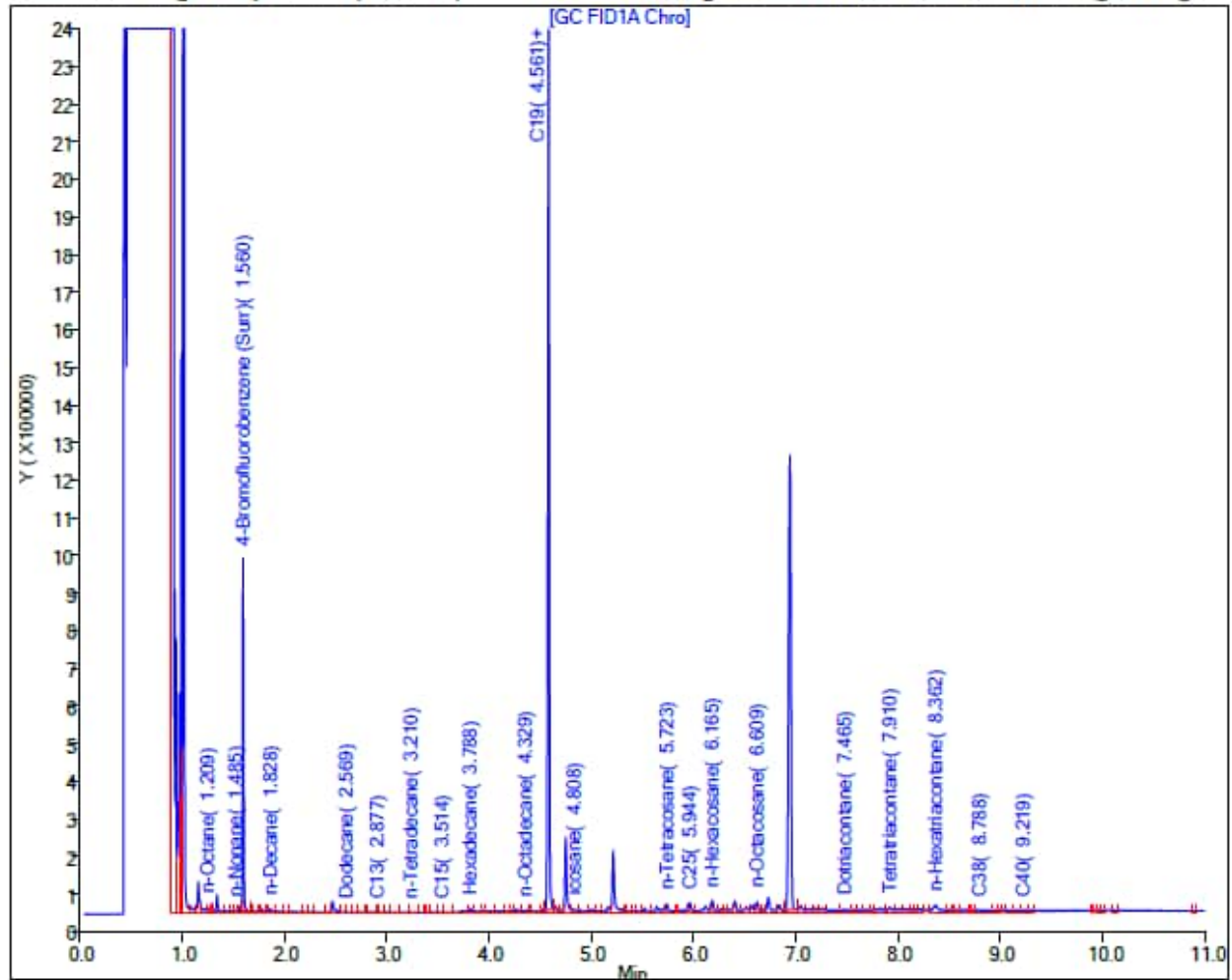
Results (ug/L): **TPH-d (C10 to C24) <80 UJ**

TPH-o (C24 to C40) <260 U

Report Date: 21-Mar-2023 14:54:31

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230321-87596.b\032123A012.D
Injection Date: 21-Mar-2023 13:02:46 Instrument ID: TAC020
Lims ID: 580-124581-N-3-A Lab Sample ID: 580-124581-3
Client ID: RHMW08-WGN01B-2303WK1
Operator ID: KW ALS Bottle#: 0 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



No Silica Gel Cleanup performed.

Location: RHMW08
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN01B-2303WK2

Sample Date: 3/15/2023

Results (ug/L): TPH-d (C10 to C24) 92 J

TPH-o (C24 to C40) 200 J

Report Date: 28-Mar-2023 08:58:25

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A011.D

Injection Date: 27-Mar-2023 15:01:04

Instrument ID: TAC020

Lims ID: 580-124868-N-6-A

Lab Sample ID: 580-124868-6

Client ID: RHMW08-WGN01B-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 11

Injection Vol: 1.0 ul

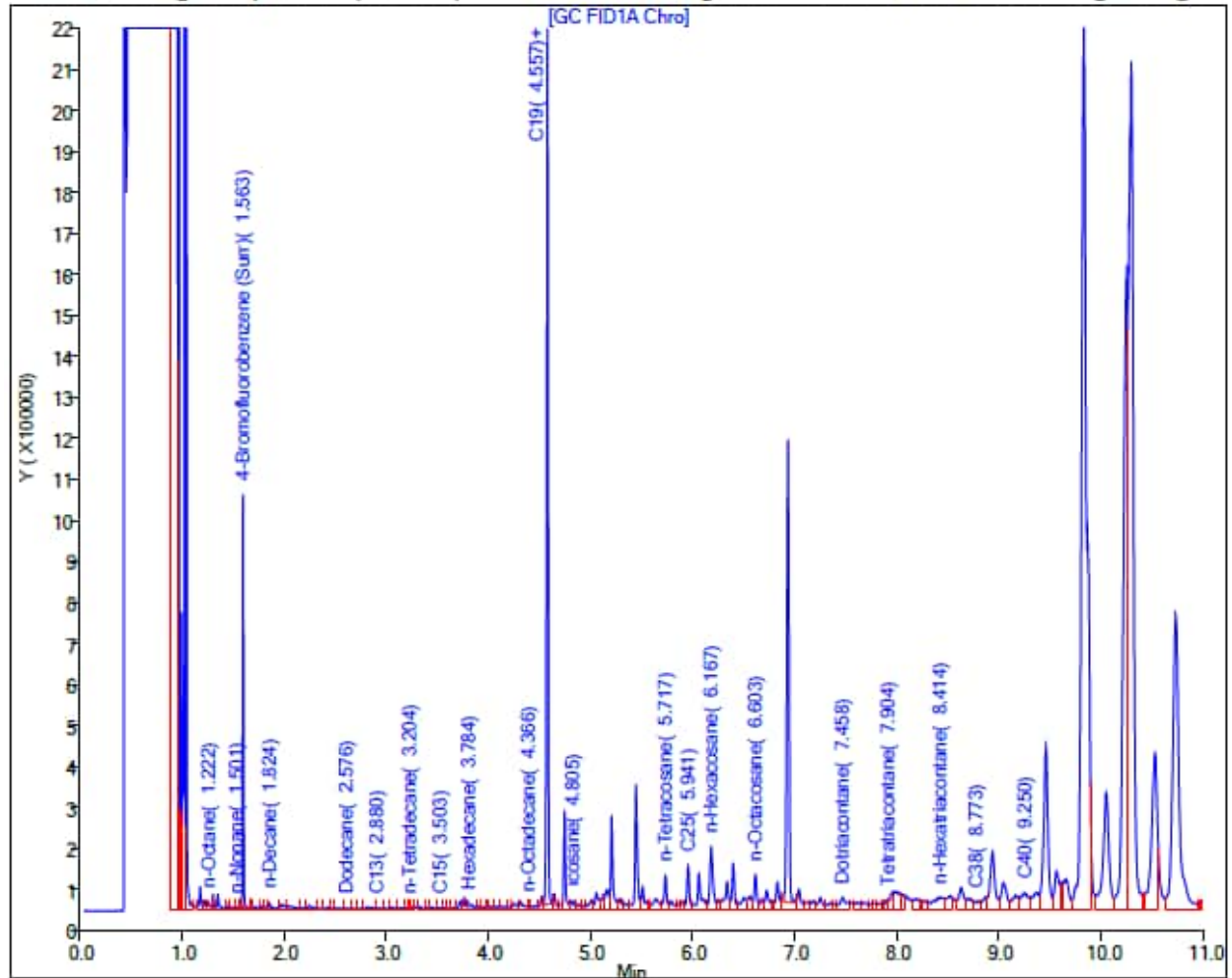
Dil. Factor: 1.0000

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) <82 U

TPH-o SGC (C24 to C40) <240 U

Report Date: 04-Apr-2023 10:28:05

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230403-87763.b\040323A035.D

Injection Date: 03-Apr-2023 21:48:43

Instrument ID: TAC020

Lims ID: 580-124868-N-6-B

Lab Sample ID: 580-124868-6

Client ID: RHMW08-WGN01B-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 35

Injection Vol: 1.0 ul

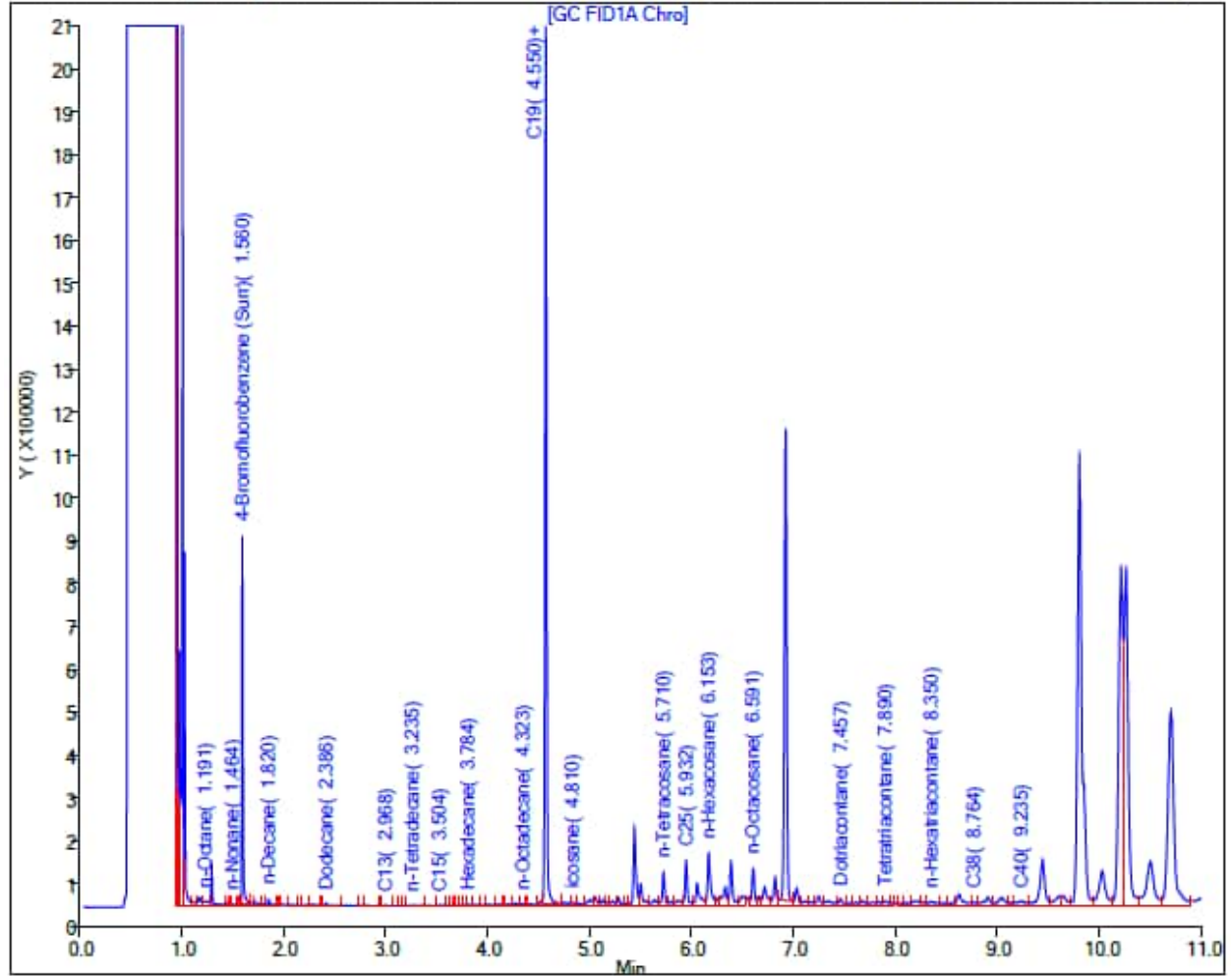
Dil. Factor: 1.0000

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



Location: **RHMW08**
Lab: Eurofins Seattle

Sample ID RHMW08-WGN01B-2303WK4

Sample Date: 3/30/2023

Results (ug/L): **TPH-d (C10 to C24) 93 J**

TPH-o (C24 to C40) <310 U

Report Date: 07-Apr-2023 09:14:42

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230406-87828.b\040623A033.D

Eurofins Seattle

Injection Date: 06-Apr-2023 21:05:25

Instrument ID: TAC020

Lims ID: 580-125401-O-6-A

Lab Sample ID: 580-125401-6

Client ID: RHMW08-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 33

Injection Vol: 1.0 ul

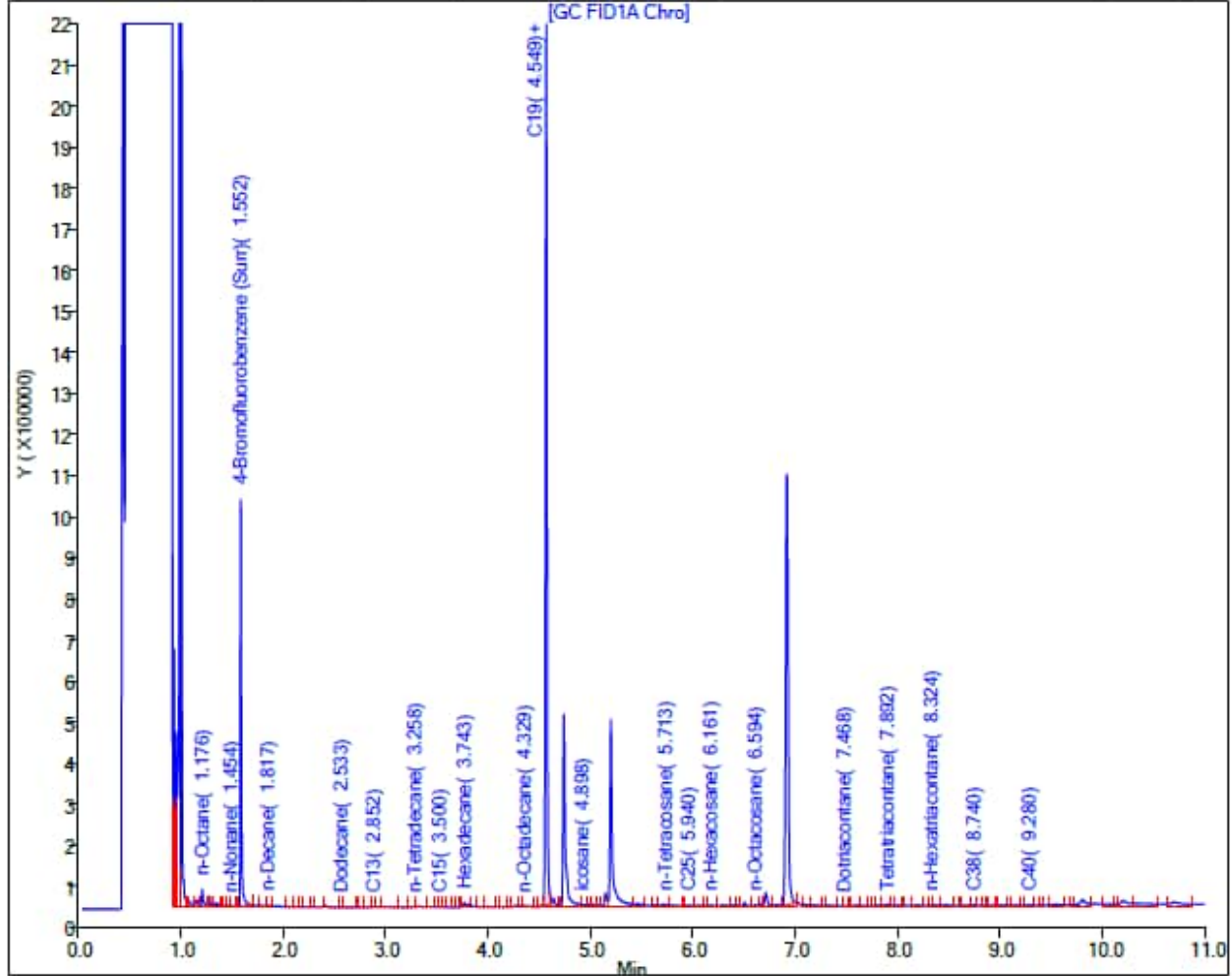
Dil. Factor: 1.0000

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



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 10-May-2023 09:27:27

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230509-88333.b\050923A009.D

Injection Date: 09-May-2023 17:12:08

Instrument ID: TAC129_R

Lims ID: 580-125401-O-6-B

Lab Sample ID: 580-125401-6

Client ID: RHMW08-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 5

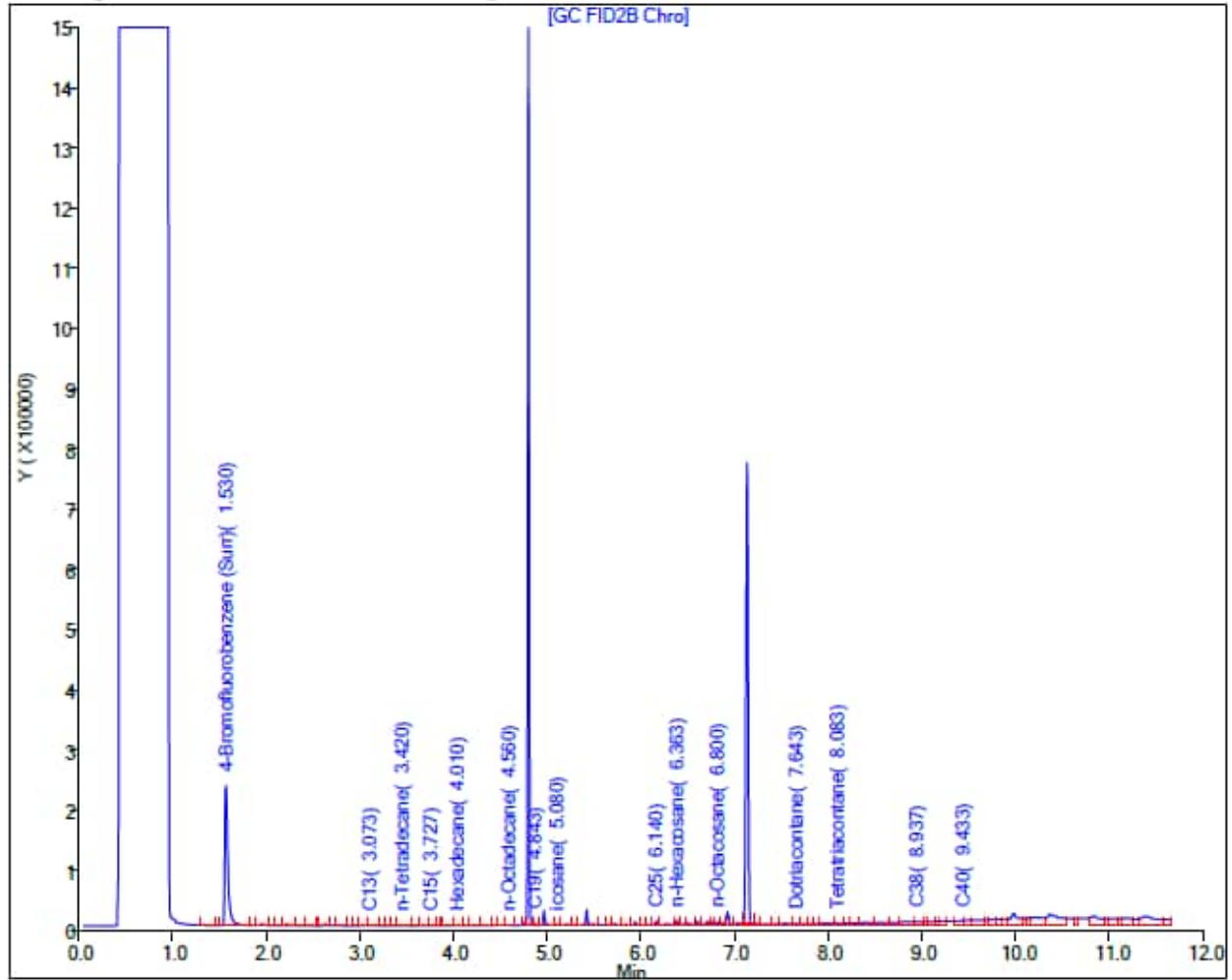
Injection Vol: 1.0 ul

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



Location: **RHMW08**
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN01B-2304WK1

Sample Date: 4/6/2023

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 13-Apr-2023 09:22:24

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230412-87914.b\041223A023.D

Injection Date: 12-Apr-2023 17:58:22

Instrument ID: TAC020

Lims ID: 580-125737-N-1-A

Lab Sample ID: 580-125737-1

Client ID: RHMW08-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul

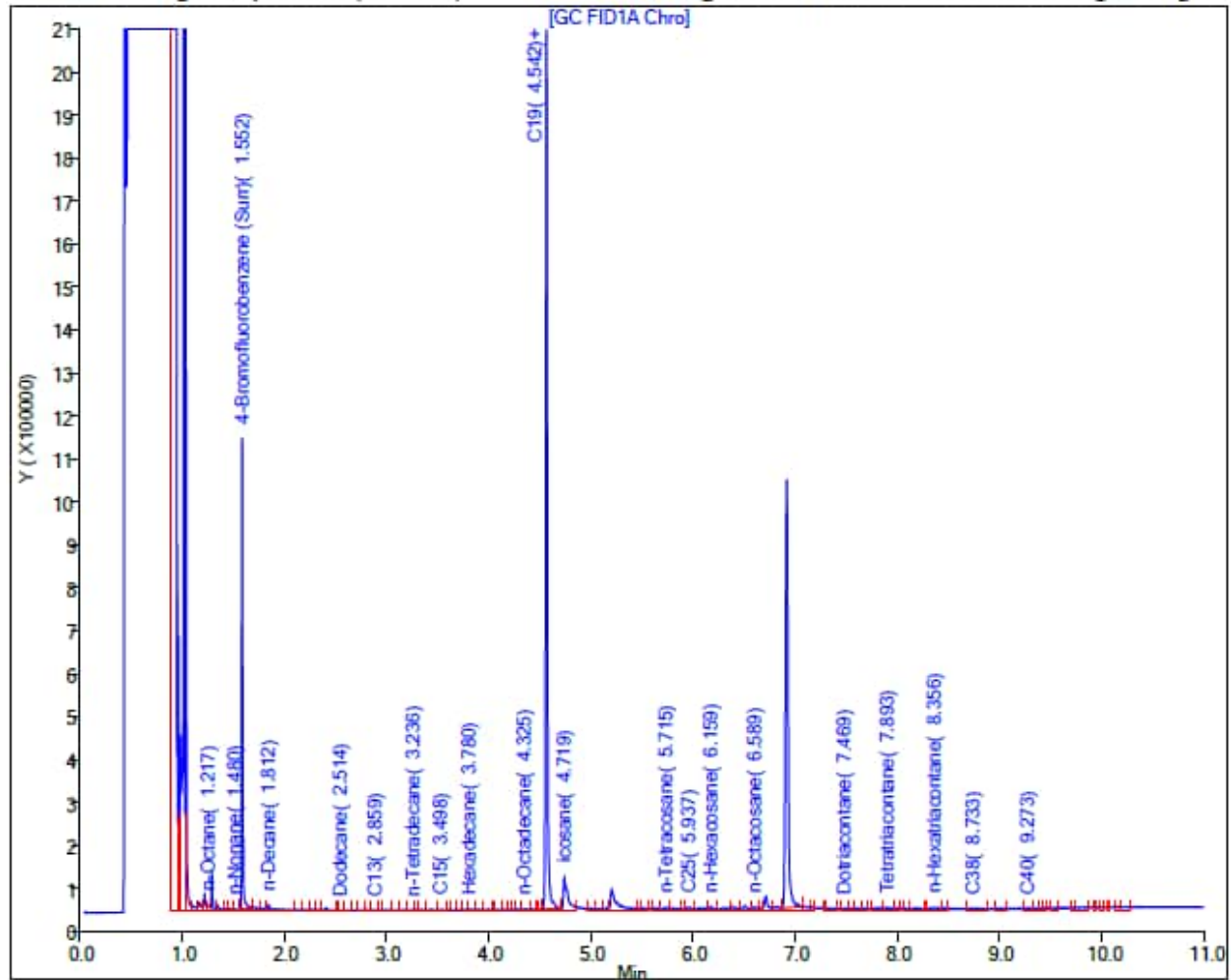
Dil. Factor: 1.0000

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: **RHMW08**
Lab: Eurofins Seattle

Sample ID: RHMW08-WGN01B-2305WK2

Sample Date: 5/11/2023

Results (ug/L): **TPH-d (C10 to C24) 620**

TPH-o (C24 to C40) 890

Report Date: 17-May-2023 14:04:58

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: Eurofins Seattle

Injection Date: 17-May-2023 13:48:20

Lims ID: 580-127171-N-4-A

Client ID: RHMW08-WGN01B-2305WK2

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-TAC129Rear

Instrument ID: TAC129_R

Lab Sample ID: 580-127171-4

ALS Bottle#:

Dil. Factor:

Limit Group:

0

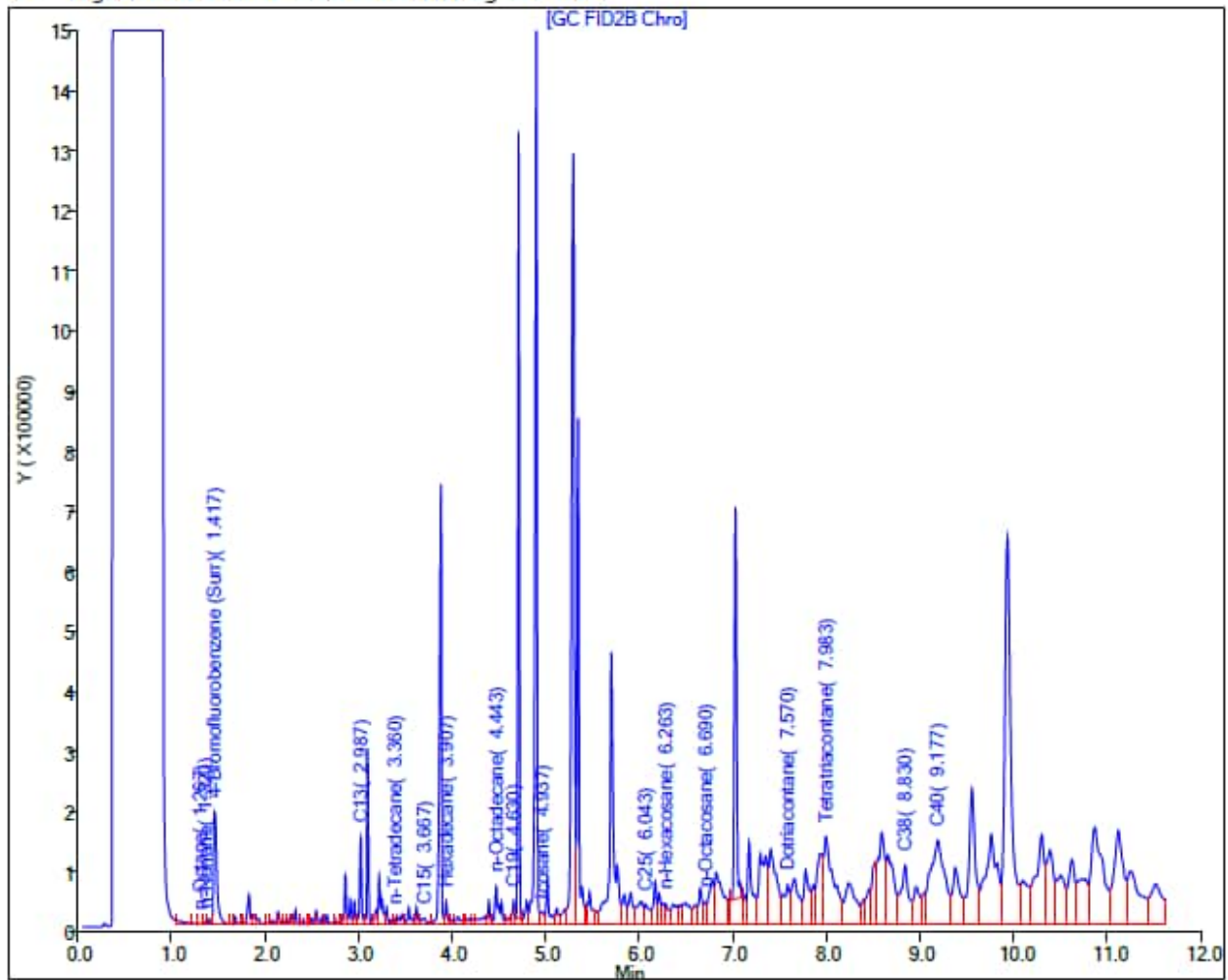
1.0000

8015B-D DRO ICAL

Worklist Smp#: 14

CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 150

TPH-o SGC (C24 to C40) 230 J

Report Date: 18-May-2023 10:11:04

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230517-88470.b\051723C023.D

Injection Date: 17-May-2023 19:41:26

Instrument ID: TAC129_R

Lims ID: 580-127171-N-4-B

Lab Sample ID: 580-127171-4

Client ID: RHMW08-WGN01B-2305WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 12

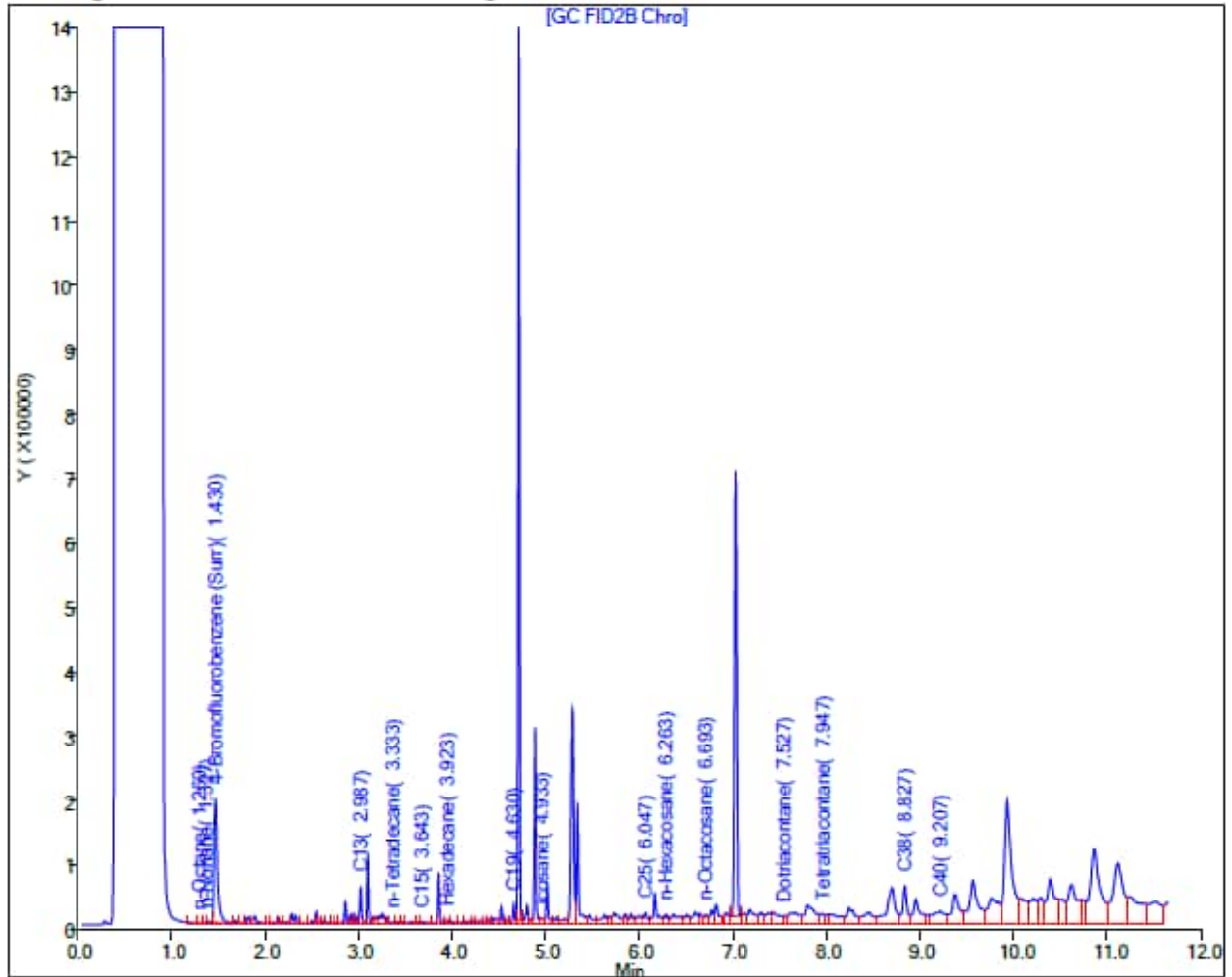
Injection Vol: 1.0 ul

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



Location: **RHMW09**
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2302WK3

Sample Date: 2/20/2023

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 23-Feb-2023 08:45:10

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 23-Feb-2023 00:47:16

Lims ID: 580-123741-O-3-B

Client ID: RHMW09-WGN01B-2302WK3

Operator ID: KW

Injection Vol: 1.0 uL

Method: TPH-TAC129Rear

Instrument ID: TAC129_R

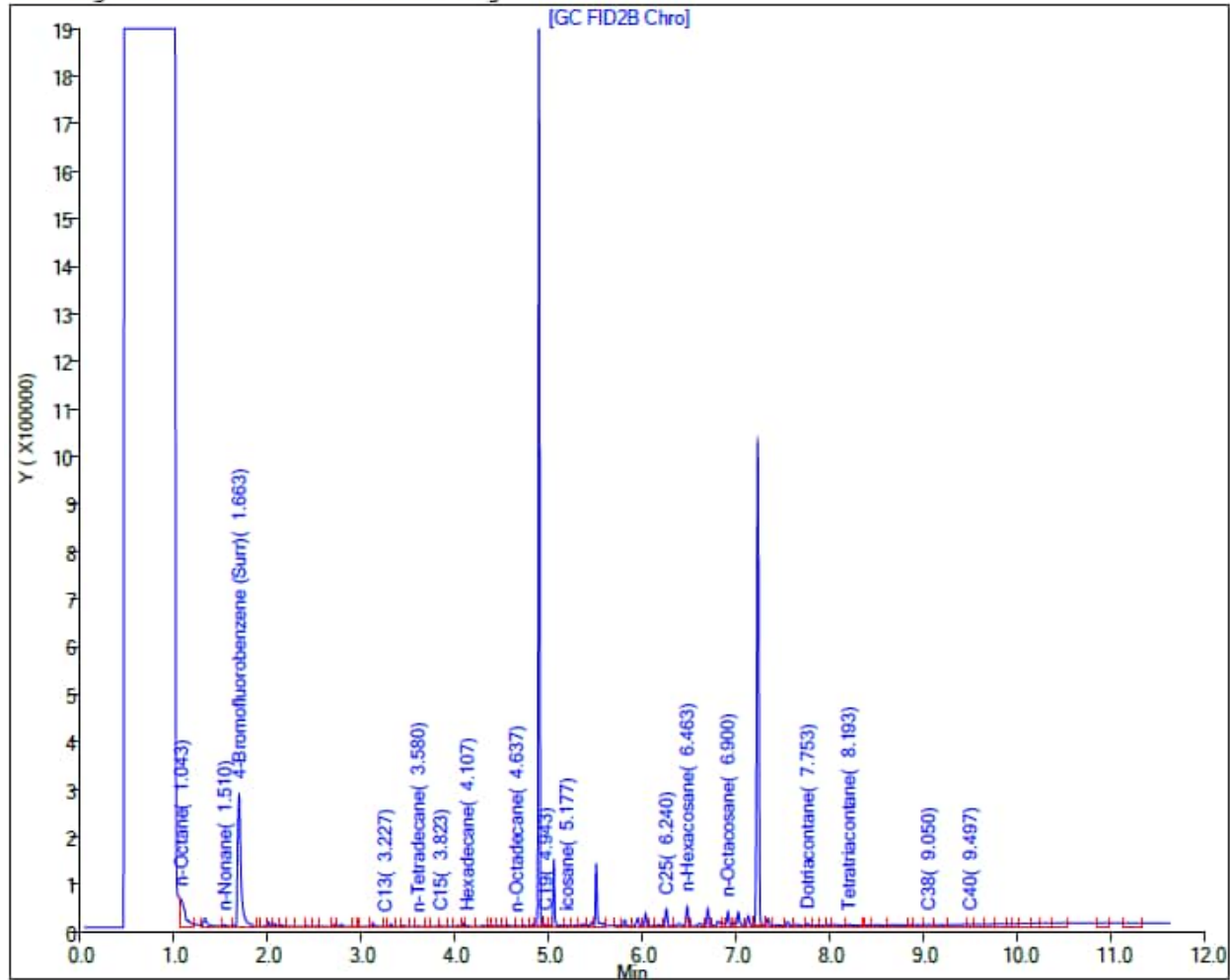
Lab Sample ID: 580-123741-3

ALS Bottle#: 0 Worklist Smp#: 20

Dil. Factor: 1.0000

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-2302WK4

Sample Date: 2/27/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 07-Mar-2023 15:27:59

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A034.D

Eurofins Seattle

Injection Date: 07-Mar-2023 14:54:11

Instrument ID: TAC129

Lims ID: 580-124114-N-1-A

Lab Sample ID: 580-124114-1

Client ID: RHMW09-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 15

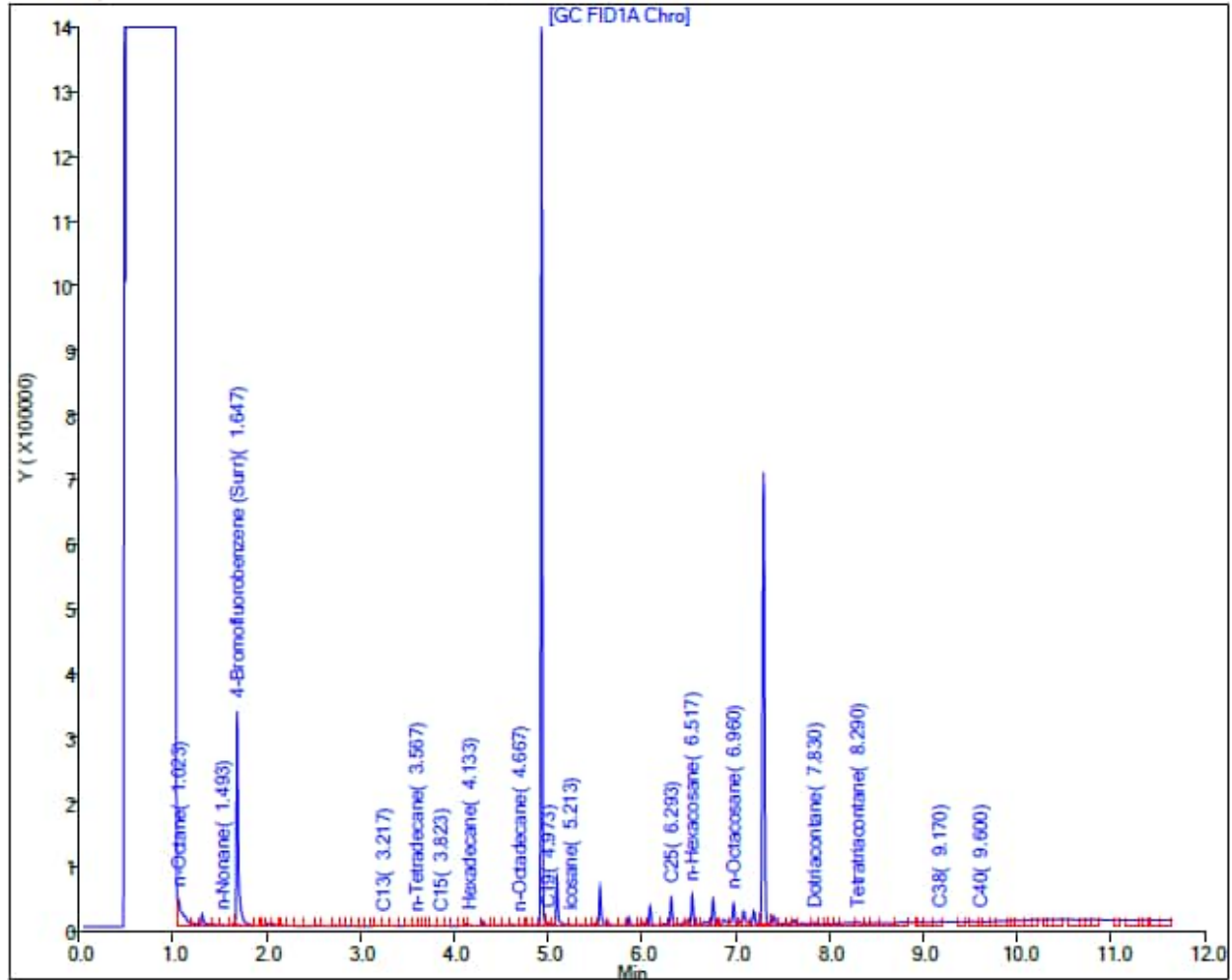
Injection Vol: 1.0 uL

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: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2303WK1

Sample Date: 3/6/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 15-Mar-2023 08:13:38

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129\20230314-87488.b\031423B048.D

Injection Date: 14-Mar-2023 19:15:50 Instrument ID: TAC129

Lims ID: 580-124323-L-1-A Lab Sample ID: 580-124323-1

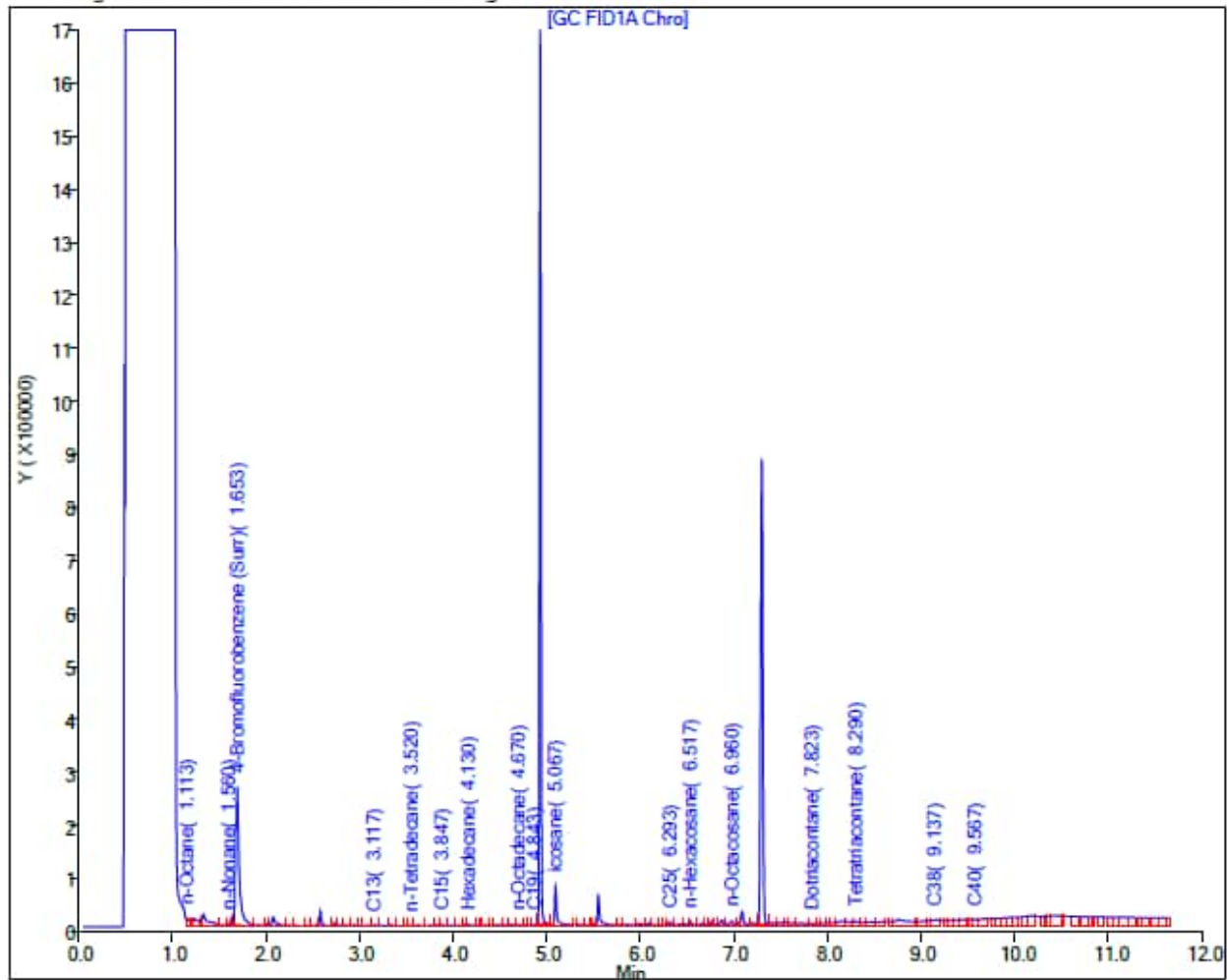
Client ID: RHMW09-WGN01B-2303WK1

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: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2303WK2

Sample Date: 3/13/2023

Results (ug/L): TPH-d (C10 to C24) 74 J

TPH-o (C24 to C40) <300 U

Report Date: 17-Mar-2023 08:56:52

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\Eurofins Seattle

Injection Date: 17-Mar-2023 05:21:21

Lims ID: 580-124648-N-1-A

Client ID: RHMW09-WGN01B-2303WK2

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: 580-124648-1

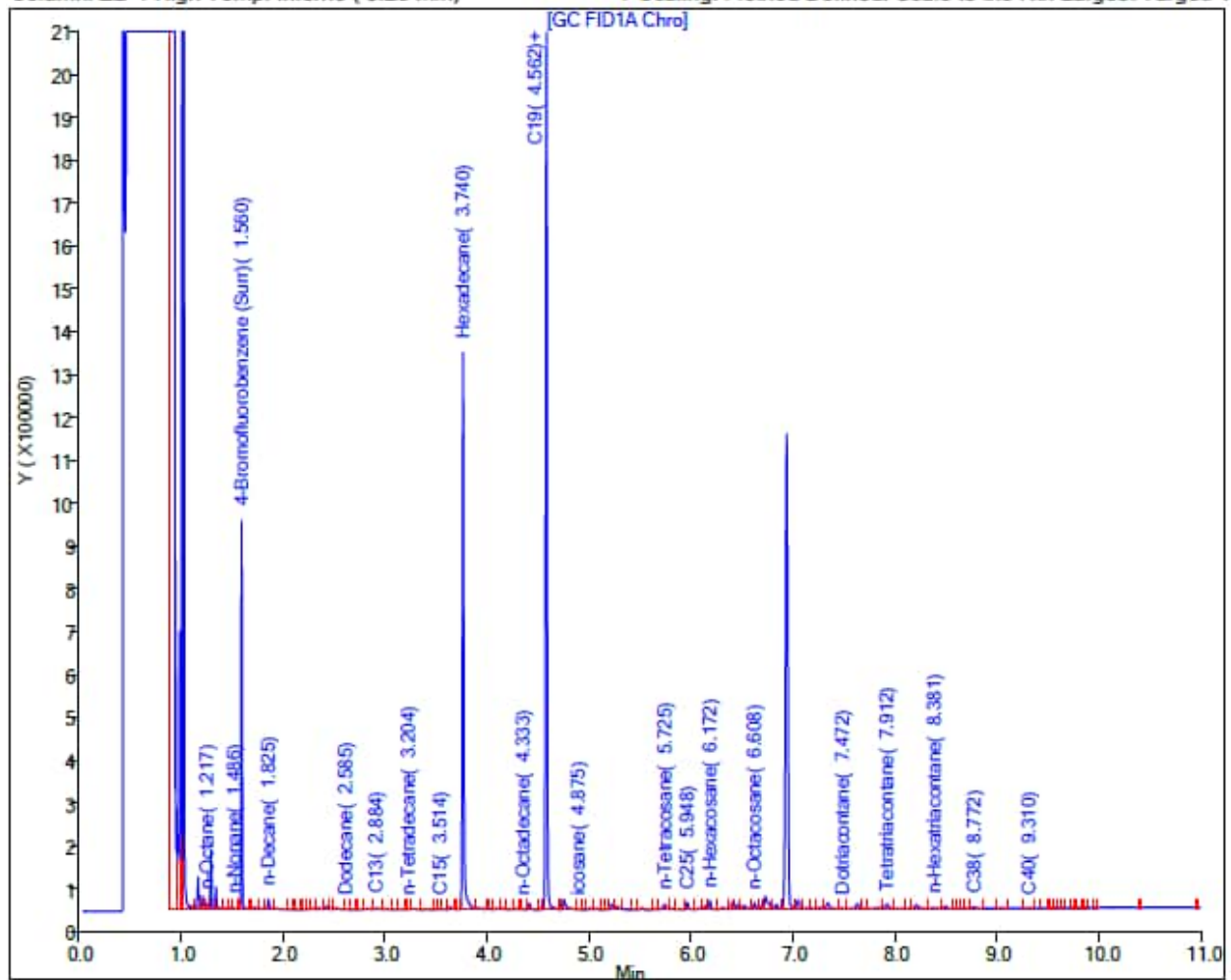
ALS Bottle#: 0

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#: 58



Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <300 U

Report Date: 22-Mar-2023 09:07:19

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230321-87596.b\032123B030.D

Eurofins Seattle

Injection Date: 21-Mar-2023 19:20:32

Instrument ID: TAC020

Lims ID: 580-124648-N-1-B

Lab Sample ID: 580-124648-1

Client ID: RHMW09-WGN01B-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 30

Injection Vol: 1.0 ul

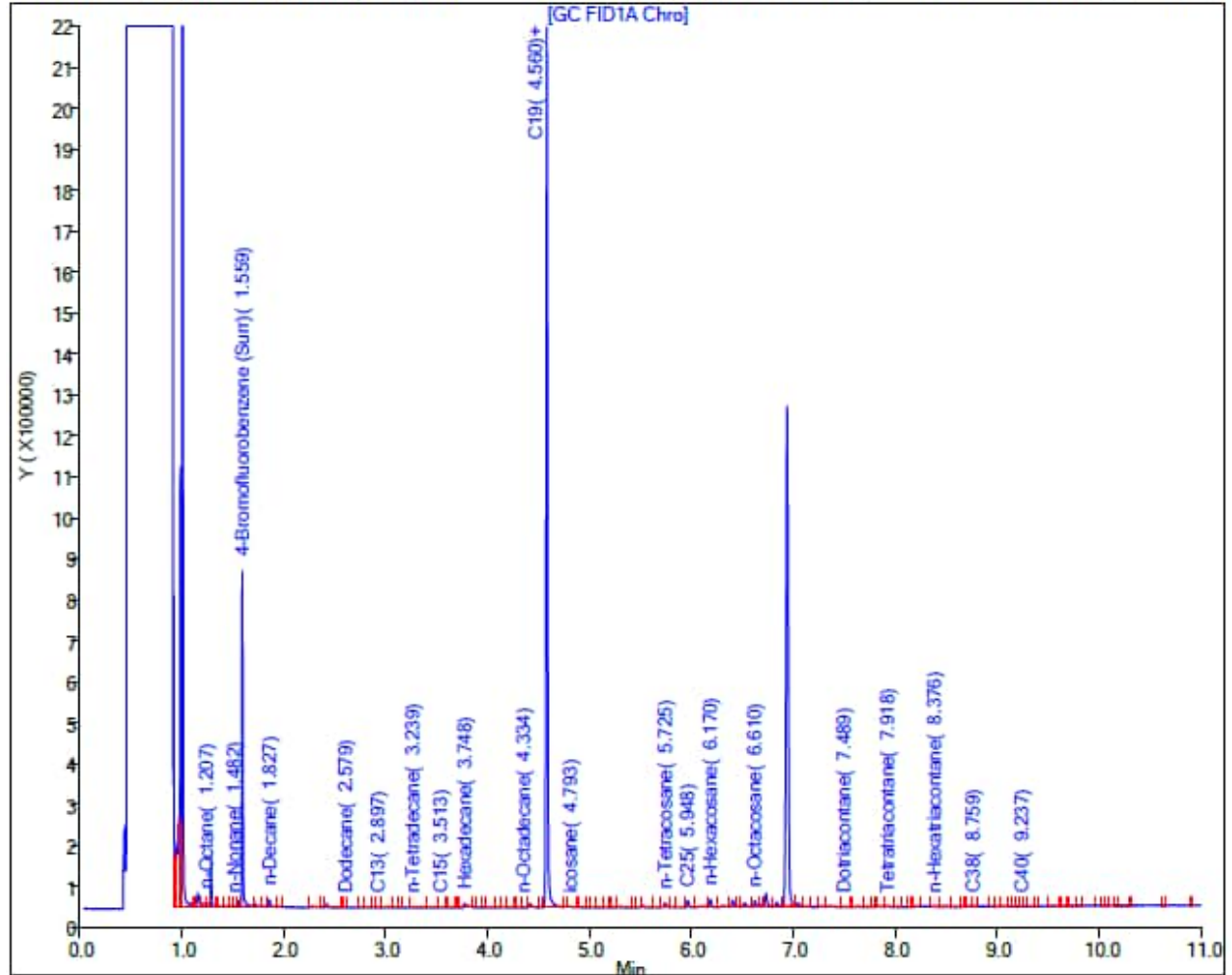
Dil. Factor: 1.0000

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



Location: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2303WK3

Sample Date: 3/20/2023

Results (ug/L): TPH-d (C10 to C24) 89 J

TPH-o (C24 to C40) <320 U

Report Date: 28-Mar-2023 09:01:44

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A049.D

Injection Date: 28-Mar-2023 03:48:02

Instrument ID: TAC020

Lims ID: 580-124962-N-1-A

Lab Sample ID: 580-124962-1

Client ID: RHMW09-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 49

Injection Vol: 1.0 ul

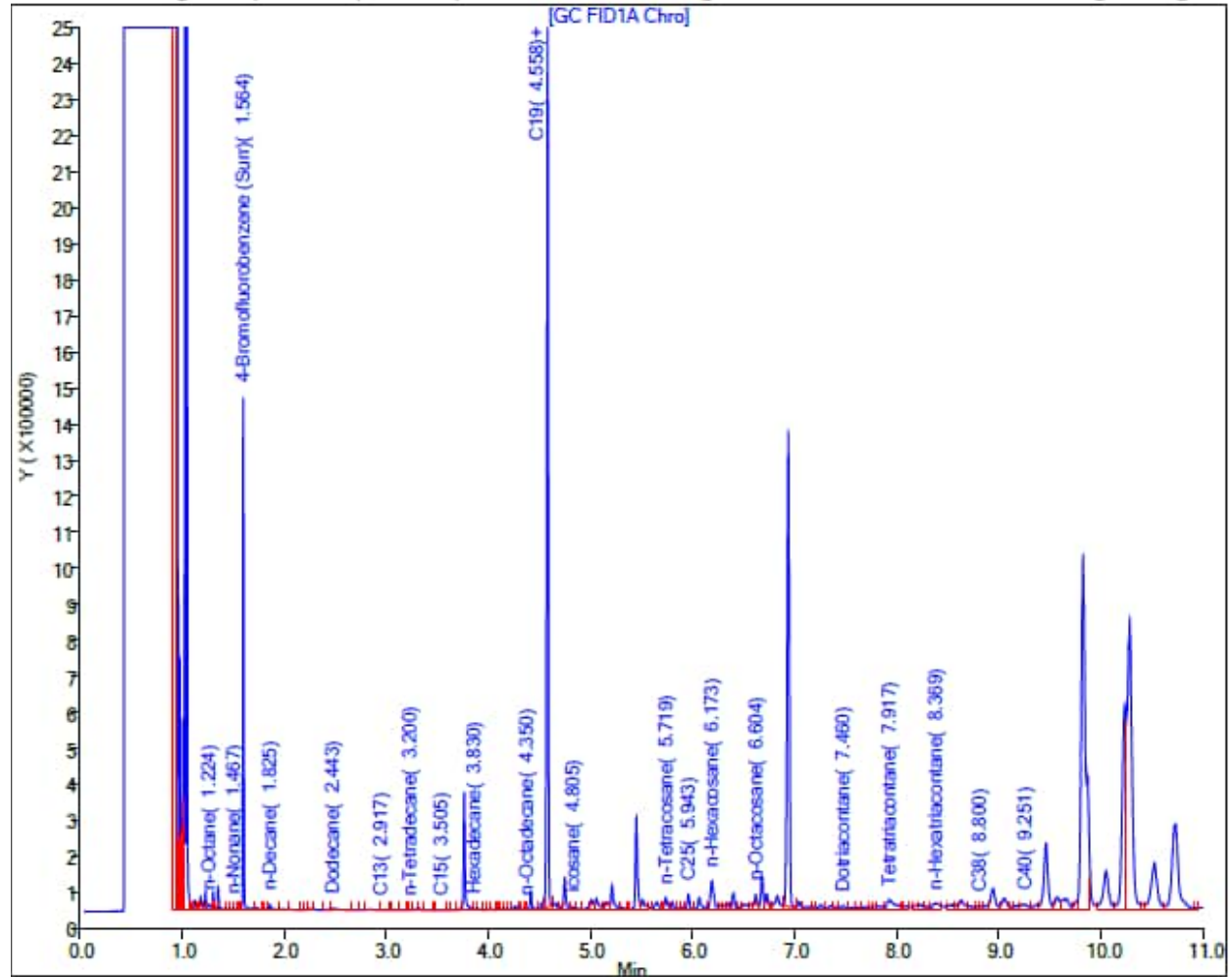
Dil. Factor: 1.0000

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) <110 U

TPH-o SGC (C24 to C40) <320 U

Report Date: 04-Apr-2023 10:28:01

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230403-87763.b\040323A034.D

Injection Date: 03-Apr-2023 21:28:35

Instrument ID: TAC020

Lims ID: 580-124962-N-1-B

Lab Sample ID: 580-124962-1

Client ID: RHMW09-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 34

Injection Vol: 1.0 ul

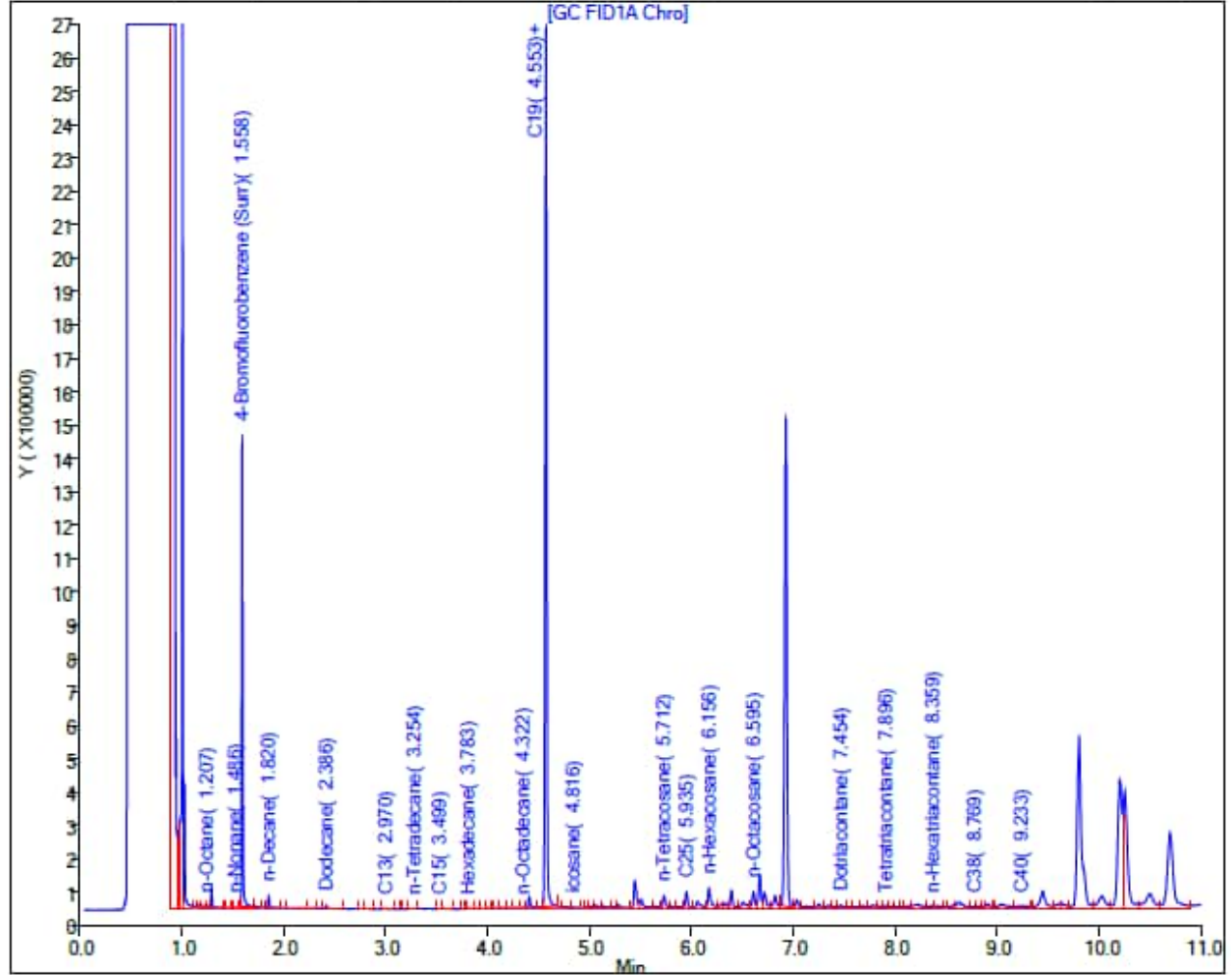
Dil. Factor: 1.0000

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: RHMW09
Lab: Eurofins Seattle

Sample ID: RHMW09-WGN01B-2304WK1

Sample Date: 4/3/2023

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 10-Apr-2023 10:40:55

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 07-Apr-2023 17:35:46

Lims ID: 580-125491-N-3-A

Client ID: RHMW09-WGN01B-2304WK1

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-Front_TAC020

Column: ZB-1 High Temp. Inferno (0.25 mm)

Instrument ID: TAC020

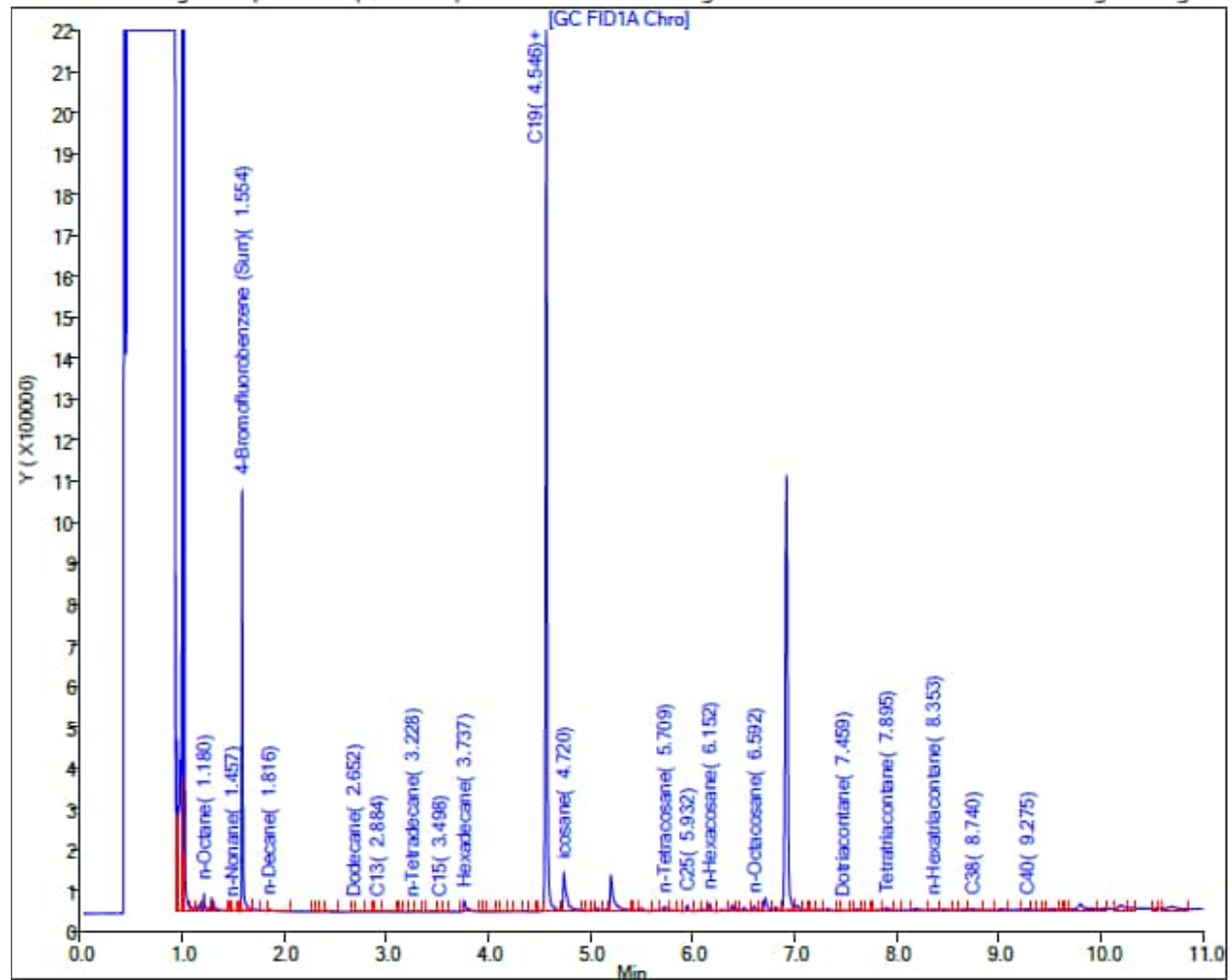
Lab Sample ID: 580-125491-3

ALS Bottle#: 0 Worklist Smp#: 19

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-WGN01B-2305WK1

Sample Date: 5/3/2023

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 10-May-2023 16:25:53

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC129\20230510-88339.b\051023A032.D

Eurofins Seattle

Injection Date: 10-May-2023 15:17:22

Instrument ID: TAC129

Lims ID: 580-126837-O-1-A

Lab Sample ID: 580-126837-1

Client ID: RHMW09-WGN01B-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 16

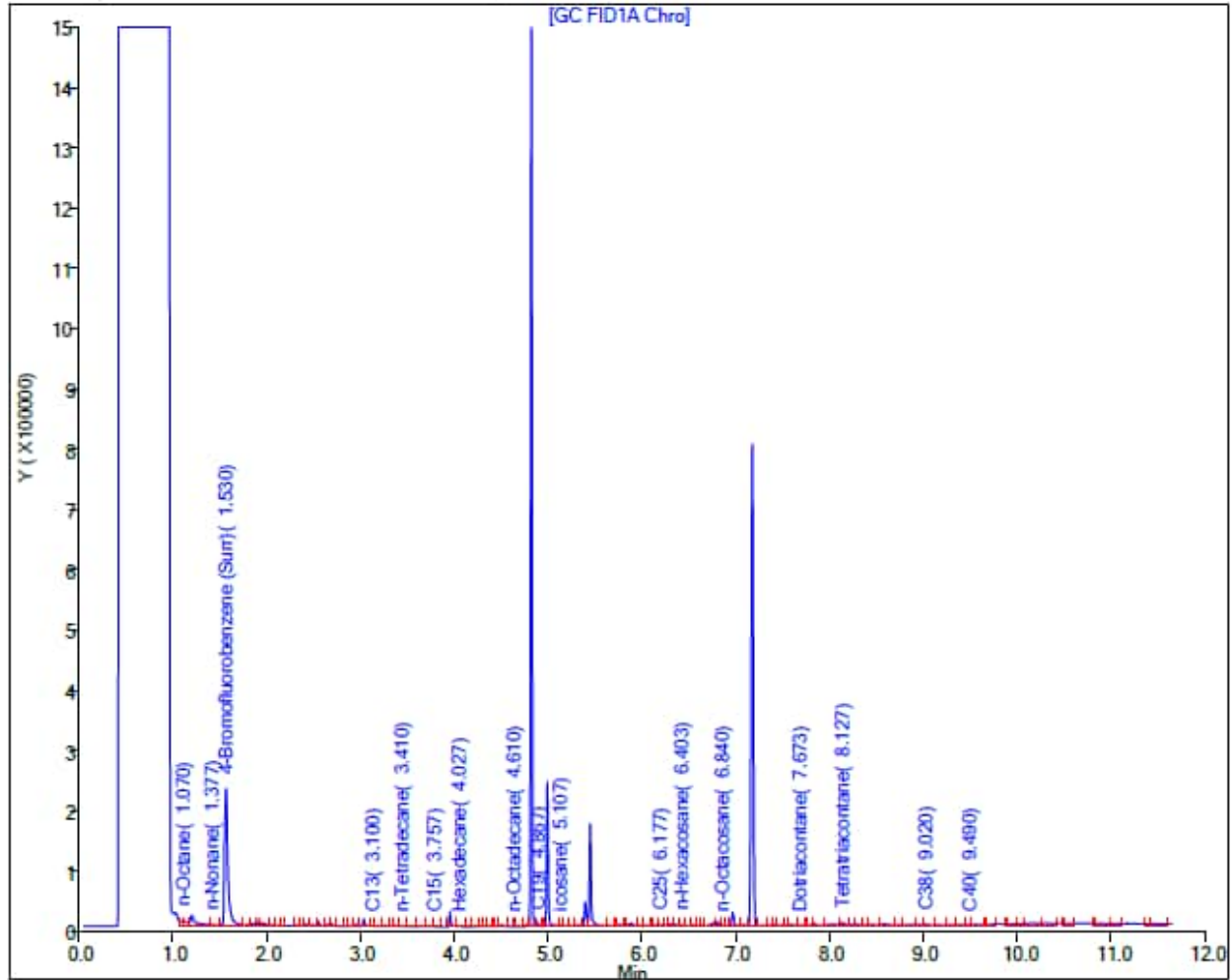
Injection Vol: 1.0 ul

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



No Silica Gel Cleanup performed.

Location: **RHMW11-05** Sample ID: RHMW11-05-WGN01G-2302WK2 Sample Date: 2/15/2023

Lab: Eurofins Seattle

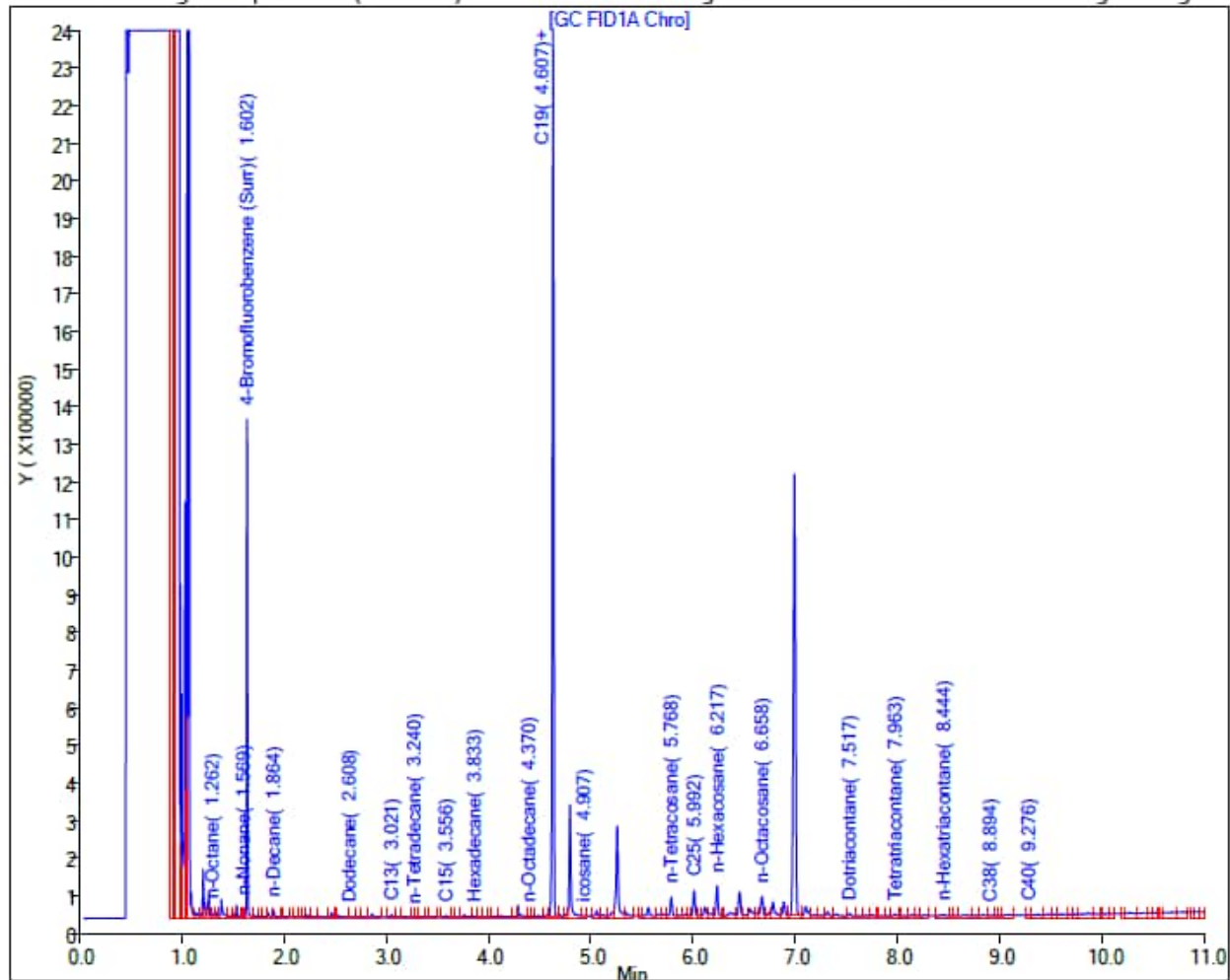
Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 21-Feb-2023 08:28:05

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230220-87172.b\0220a23_014.D
Injection Date: 20-Feb-2023 22:13:46 Instrument ID: TAC020
Lims ID: 580-123592-O-10-A Lab Sample ID: 580-123592-10
Client ID: RHMW11-05-WGN01G-2302WK2
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: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2303WK1 Sample Date: 3/8/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 17-Mar-2023 08:52:40

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC020\20230316-87522.b\031623A023.D

Injection Date: 16-Mar-2023 17:34:48

Instrument ID: TAC020

Lims ID: 580-124557-O-6-A

Lab Sample ID: 580-124557-6

Client ID: RHMW11-05-WGN01G-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul

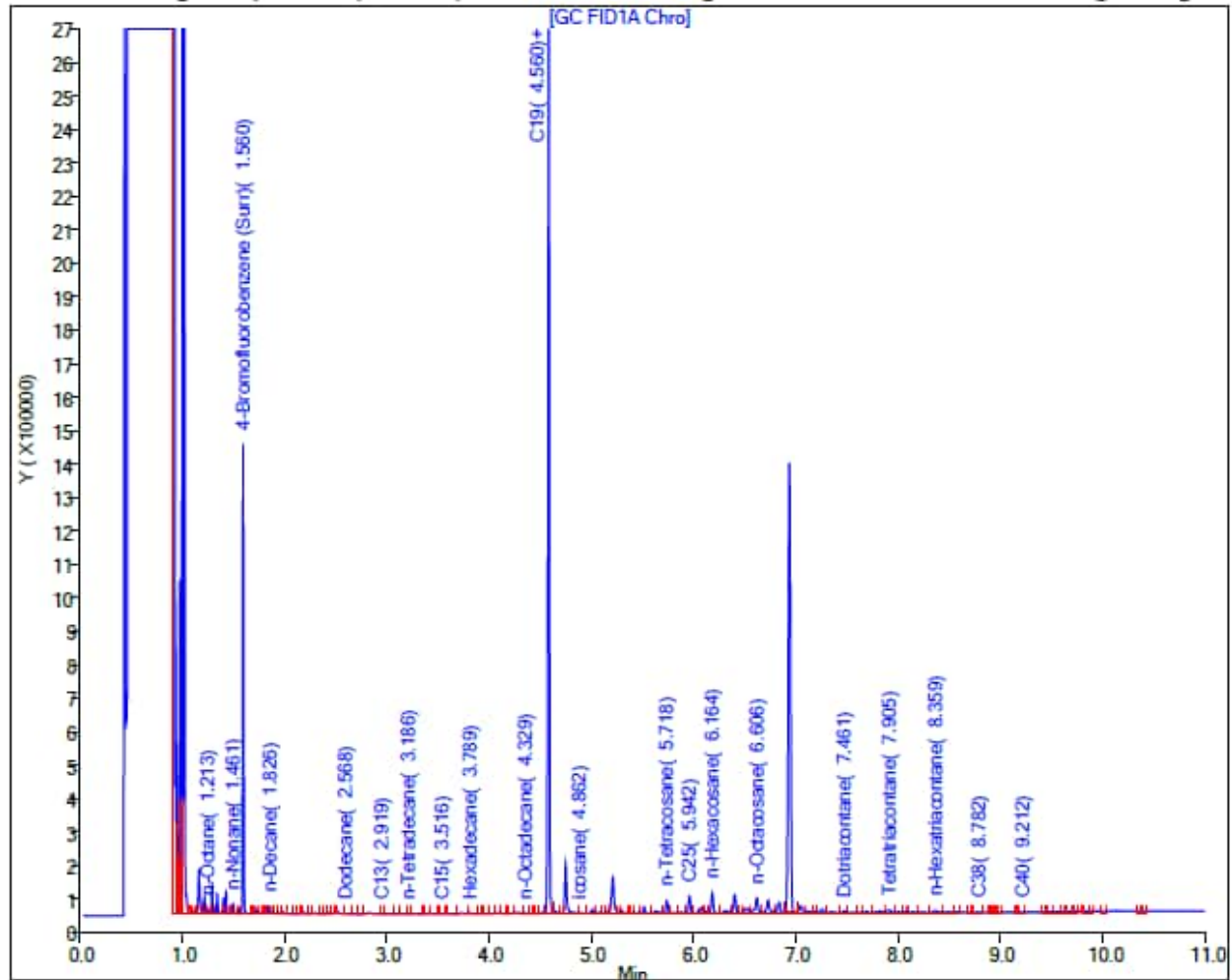
Dil. Factor: 1.0000

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: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2303WK3 Sample Date: 3/21/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 29-Mar-2023 07:52:49

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230328-87702.b\032823A044.D

Injection Date: 29-Mar-2023 03:58:30

Instrument ID: TAC020

Lims ID: 580-125125-N-7-A

Lab Sample ID: 580-125125-7

Client ID: RHMW11-05-WGN01G-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 44

Injection Vol: 1.0 ul

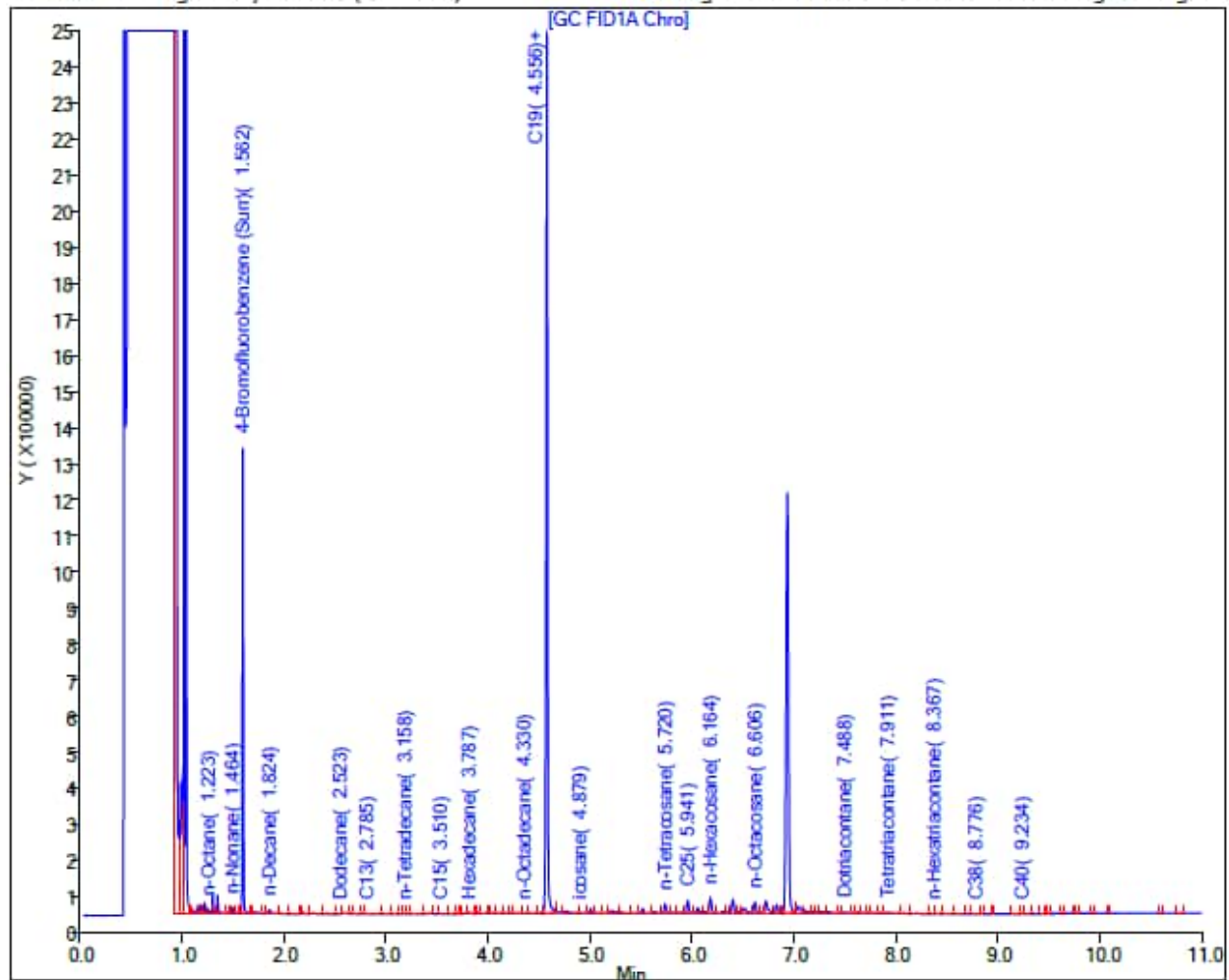
Dil. Factor: 1.0000

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: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2303WK4 Sample Date: 3/27/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 130

TPH-o (C24 to C40) <300 U

Report Date: 04-Apr-2023 10:27:11

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230403-87763.b\040323A026.D

Injection Date: 03-Apr-2023 18:47:09

Instrument ID: TAC020

Lims ID: 580-125215-N-1-A

Lab Sample ID: 580-125215-1

Client ID: RHMW11-05-WGN01G-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul

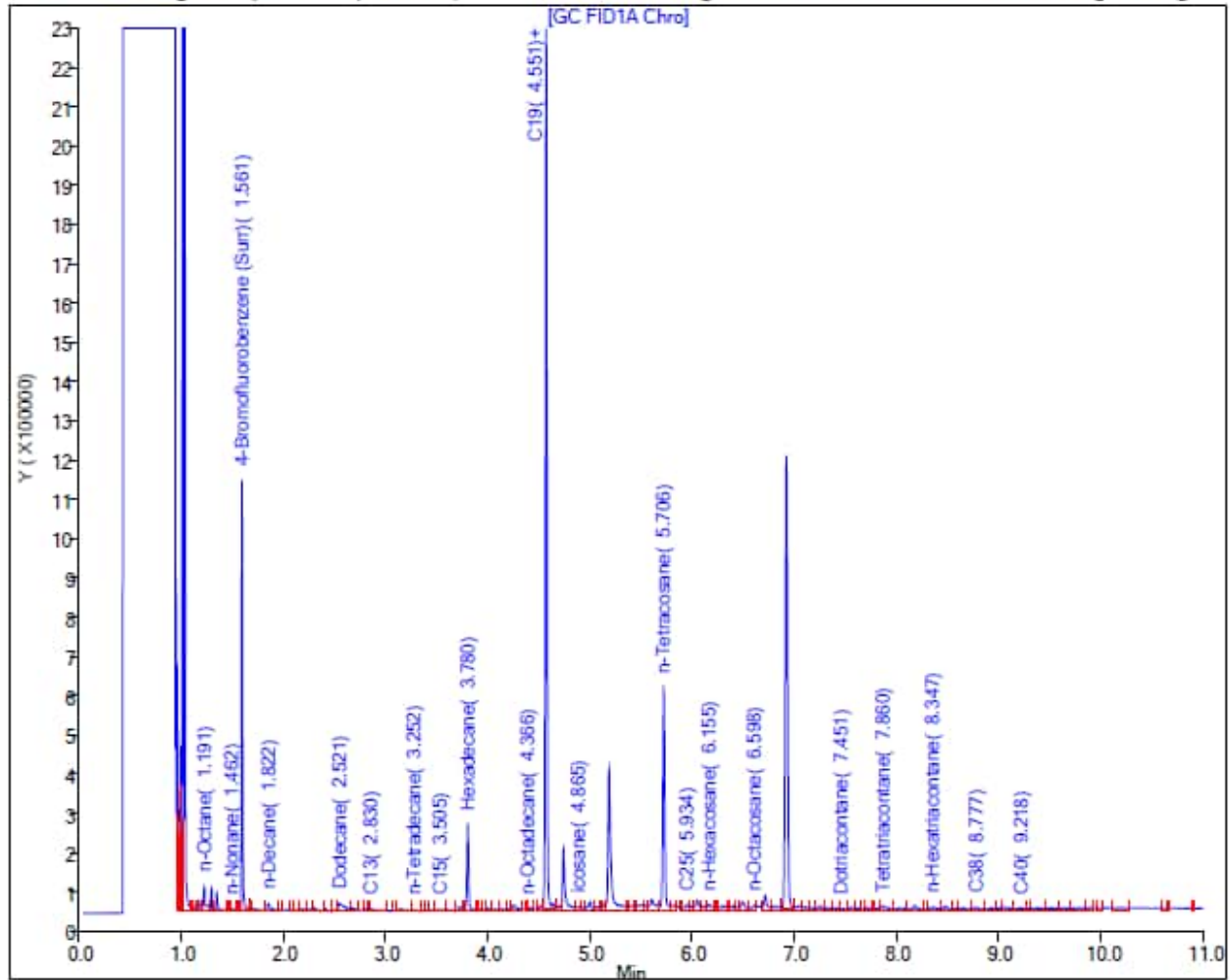
Dil. Factor: 1.0000

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



Results (ug/L): TPH-d SGC (C10 to C24) <100 UJ

TPH-o SGC (C24 to C40) <300 UJ

Report Date: 10-Apr-2023 10:45:37

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230407-87848.b\040723B011.D

Injection Date: 07-Apr-2023 14:08:44

Instrument ID: TAC129_R

Lims ID: 580-125215-N-1-B

Lab Sample ID: 580-125215-1

Client ID: RHMW11-05-WGN01G-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 6

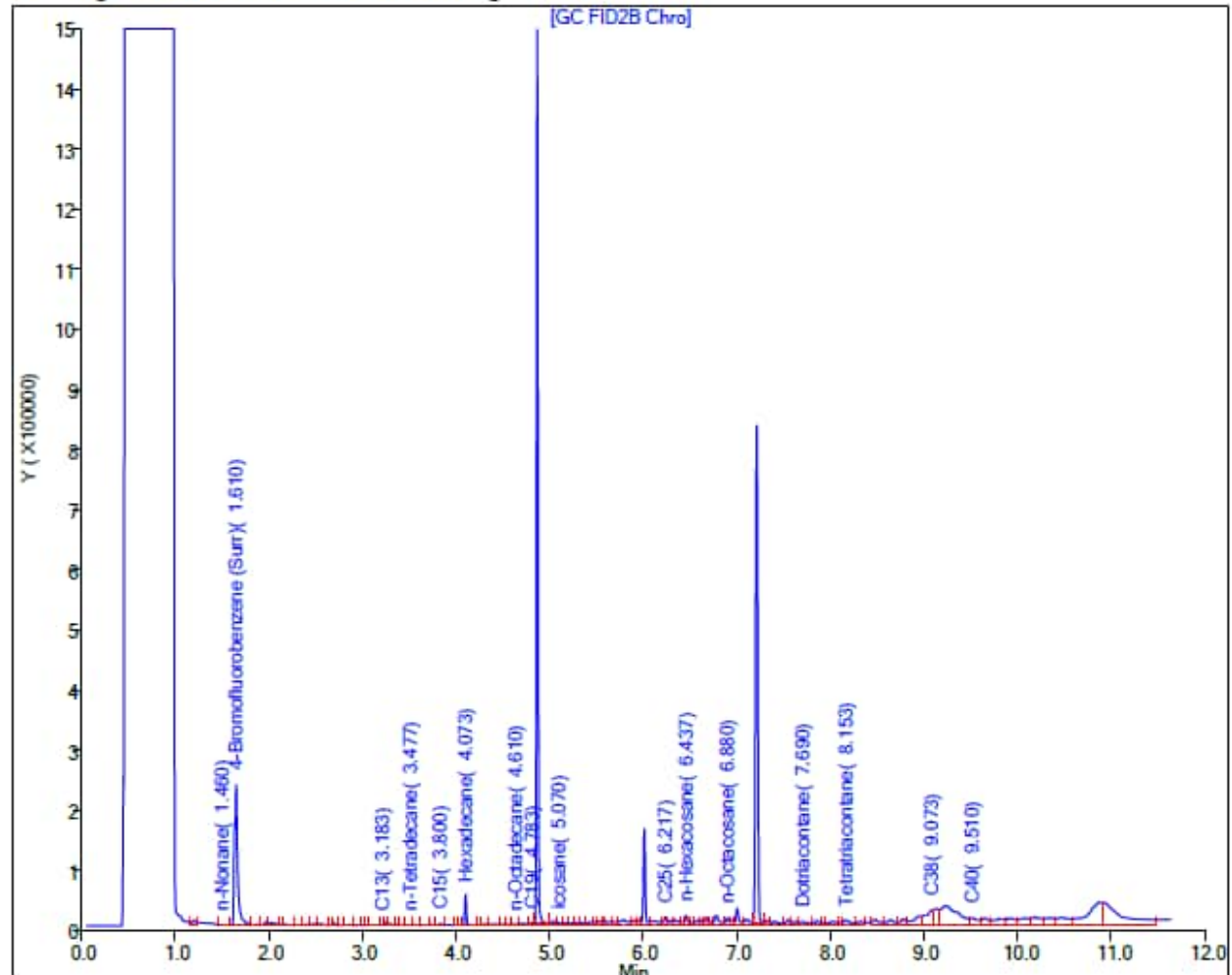
Injection Vol: 1.0 ul

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-WGN01G-2304WK1 Sample Date: 4/3/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 10-Apr-2023 10:41:18

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 07-Apr-2023 18:56:26 Instrument ID: TAC020

Lims ID: 580-125579-O-5-A

Lab Sample ID: 580-125579-5

Client ID: RHMW11-05-WGN01G-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul

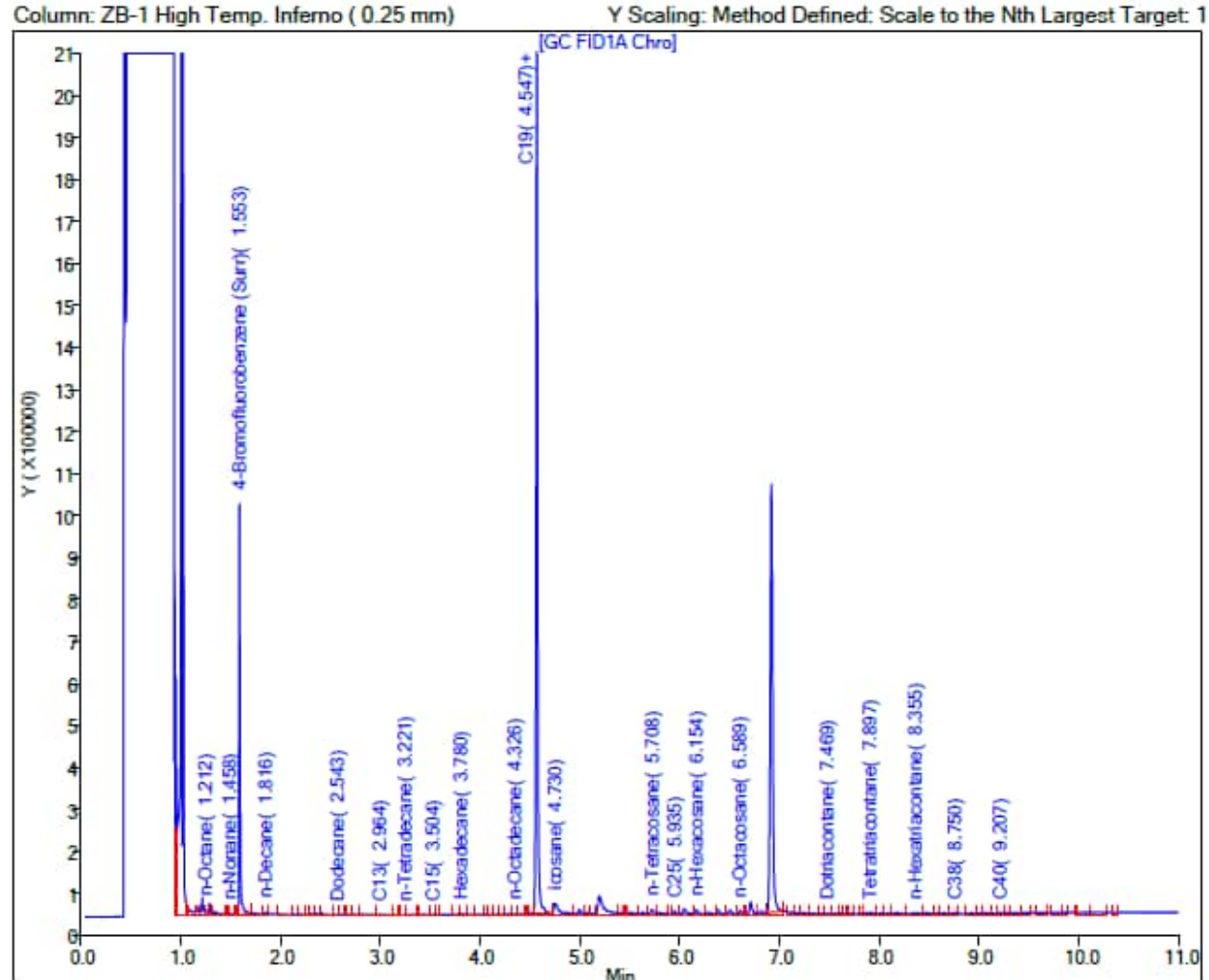
Dil. Factor: 1.0000

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: RHMW11-05 Sample ID: RHMW11-05-WGN01G-2305WK1 Sample Date: 5/1/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 08-May-2023 17:06:53

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230508-88306.b\050823A010.D

Injection Date: 08-May-2023 16:41:46

Instrument ID: TAC020

Lims ID: 580-126757-O-1-A

Lab Sample ID: 580-126757-1

Client ID: RHMW11-05-WGN01G-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 10

Injection Vol: 1.0 ul

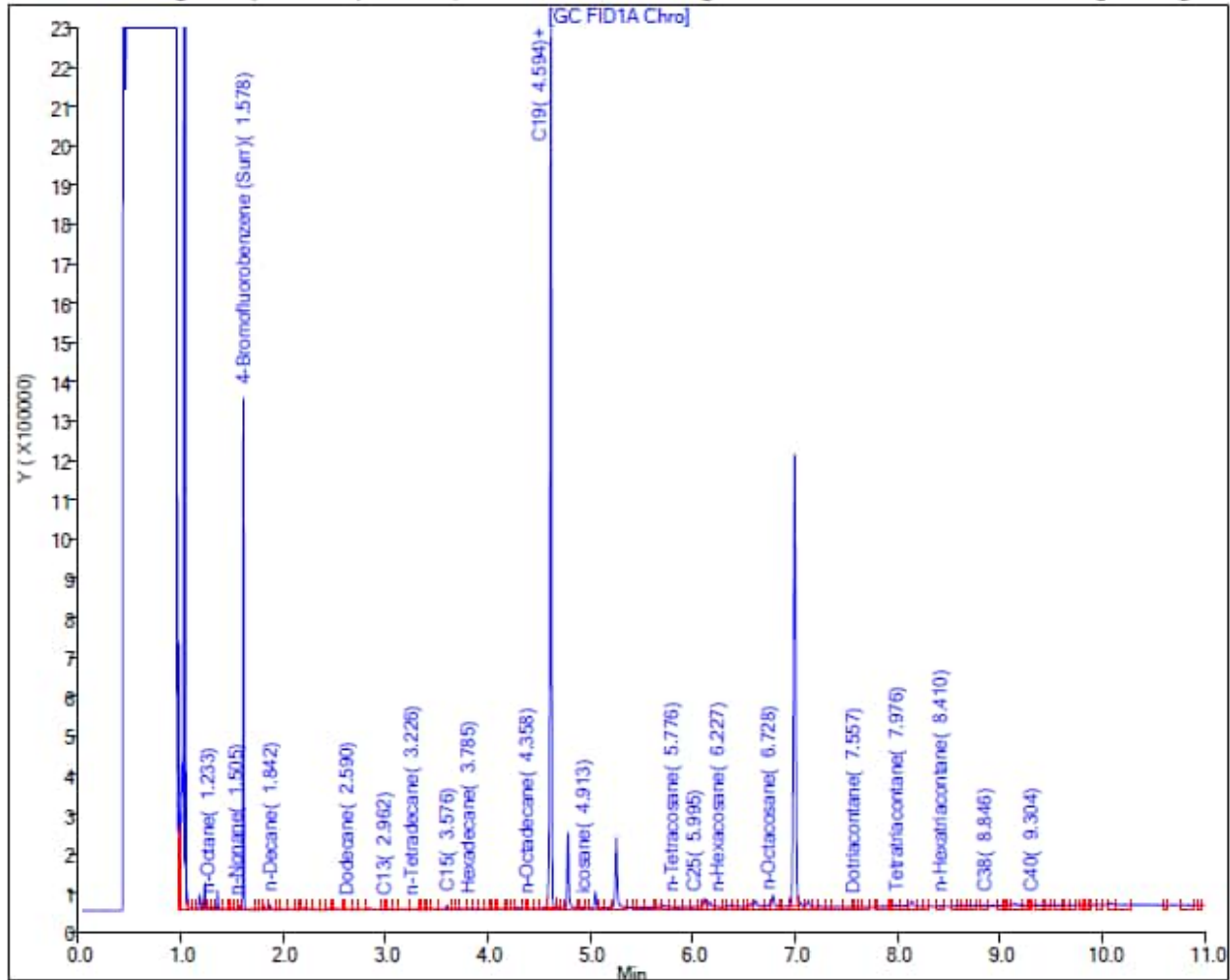
Dil. Factor: 1.0000

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



Location: **RHMW11-05** Sample ID: RHMW11-05-WGN01G-2305WK3 Sample Date: 5/18/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 24-May-2023 12:27:53

Chrom Revision: 2.3 23-May-2023 13:55:56

Data File: Eurofins Seattle

Injection Date: 24-May-2023 11:33:05 Instrument ID: TAC129

Lims ID: 580-127471-O-1-A

Lab Sample ID: 580-127471-1

Client ID: RHMW11-05-WGN01G-2305WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 14

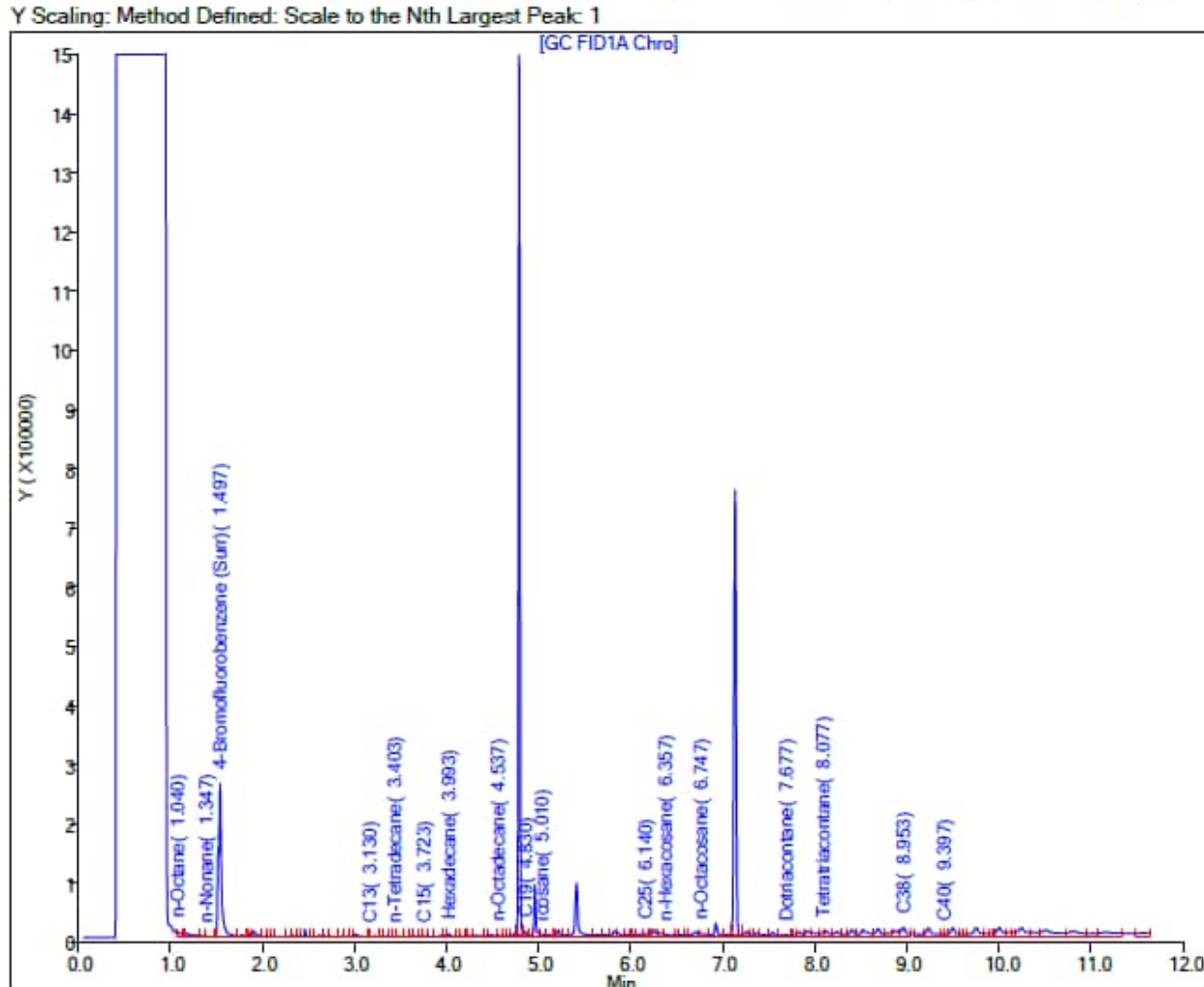
Injection Vol: 1.0 ul

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-2302WK3 Sample Date: 2/21/2023

Lab: Eurofins Seattle

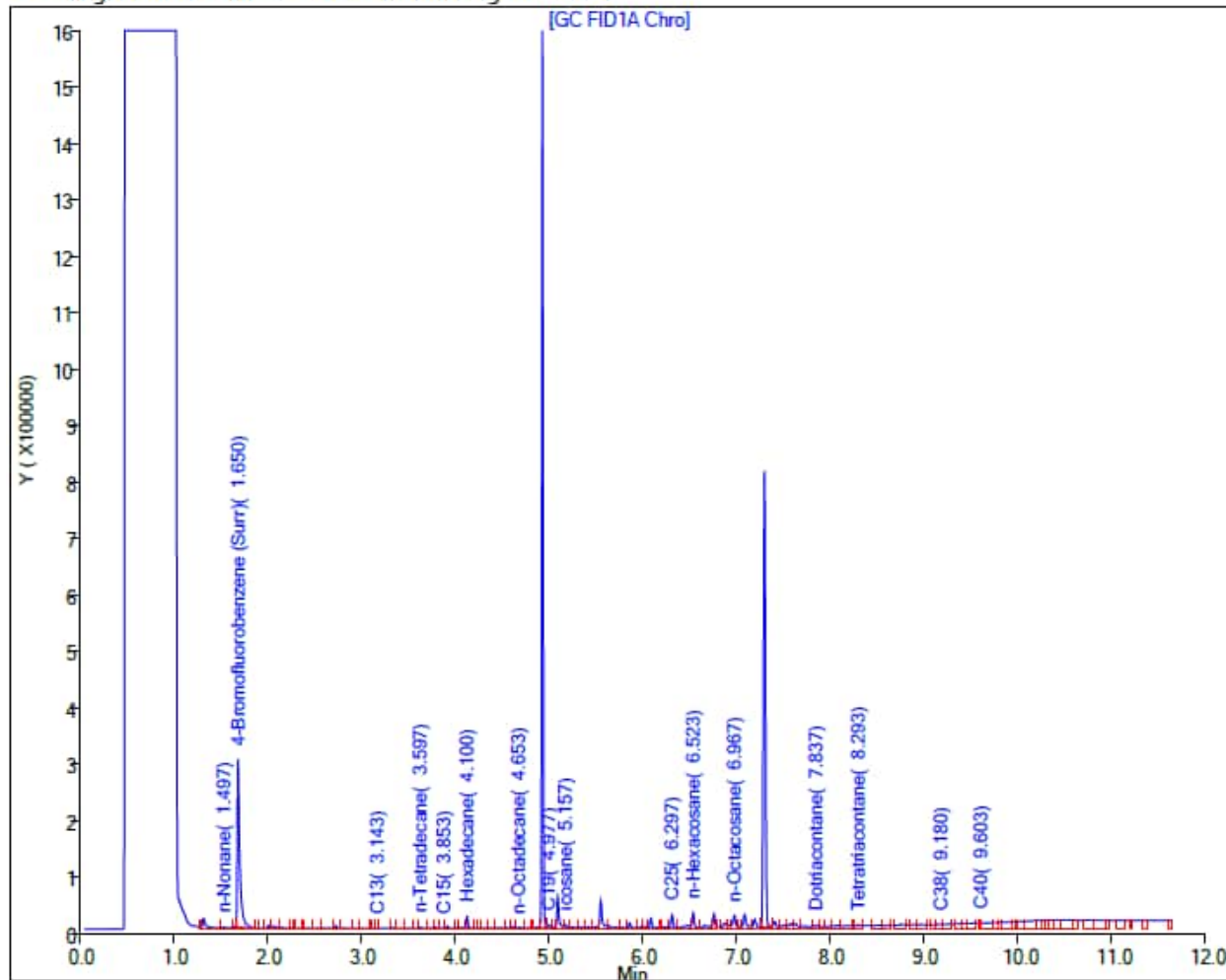
Results (ug/L): **TPH-d (C10 to C24) <100 UJ**

TPH-o (C24 to C40) <300 UJ

Report Date: 02-Mar-2023 10:22:10

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\0301a23A048.D
Injection Date: 01-Mar-2023 22:06:03 Instrument ID: TAC129
Lims ID: 580-123910-O-11-A Lab Sample ID: 580-123910-11
Client ID: RHMW12A-WGN01LF-2302WK3
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 71
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-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 11:48:58

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 06-Mar-2023 19:37:52 Instrument ID: TAC129

Lims ID: 580-124109-N-9-A

Lab Sample ID: 580-124109-9

Client ID: RHMW12A-WGN01LF-2302WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 18

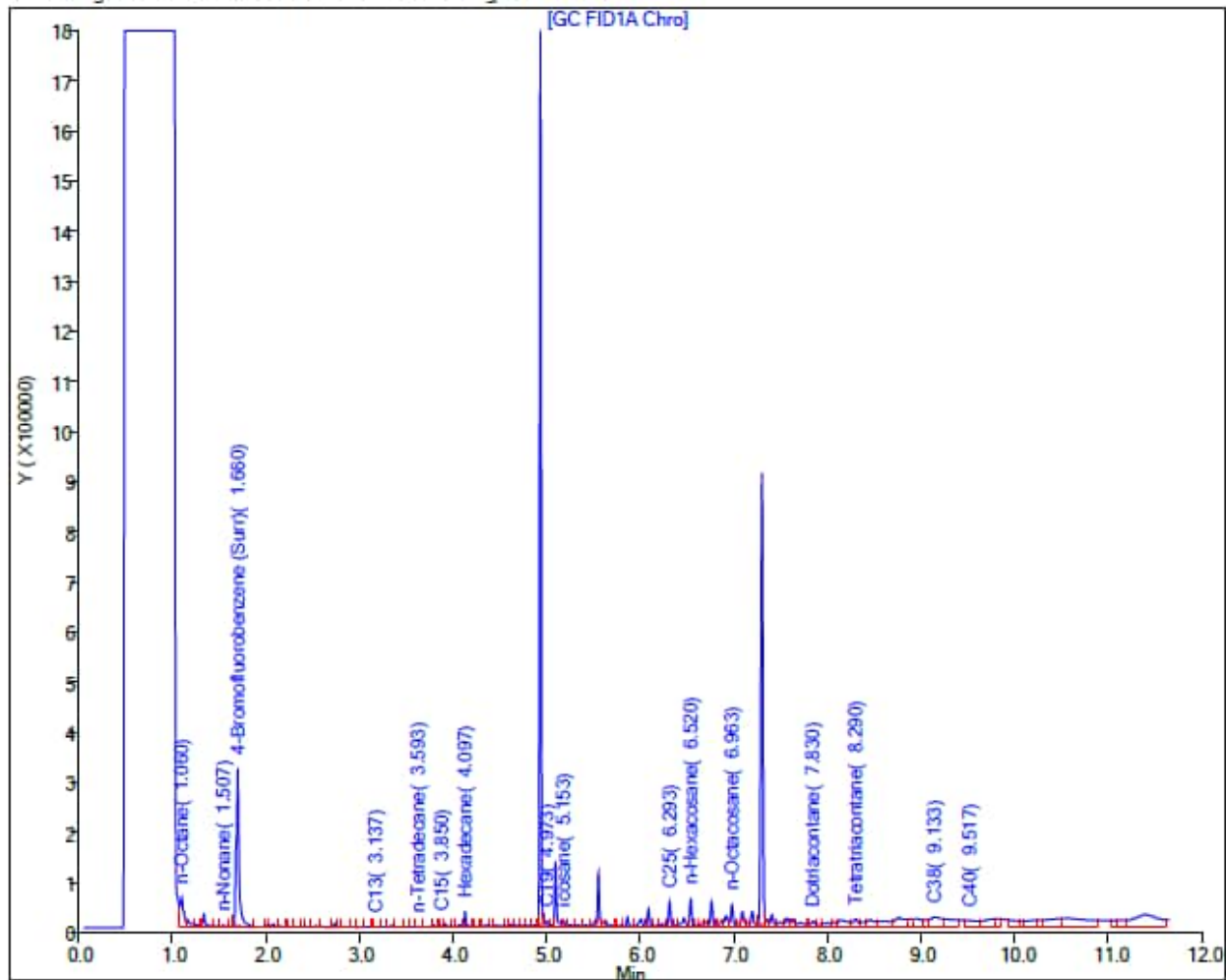
Injection Vol: 1.0 uL

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: **RHMW12A** Sample ID: RHMW12A-WGN01LF-2303WK1 Sample Date: 3/6/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <79 U**

TPH-o (C24 to C40) <240 U

Report Date: 13-Mar-2023 11:32:04

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 10-Mar-2023 21:26:03 Instrument ID: TAC129

Lims ID: 580-124423-O-3-A

Lab Sample ID: 580-124423-3

Client ID: RHMW12A-WGN01LF-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 8

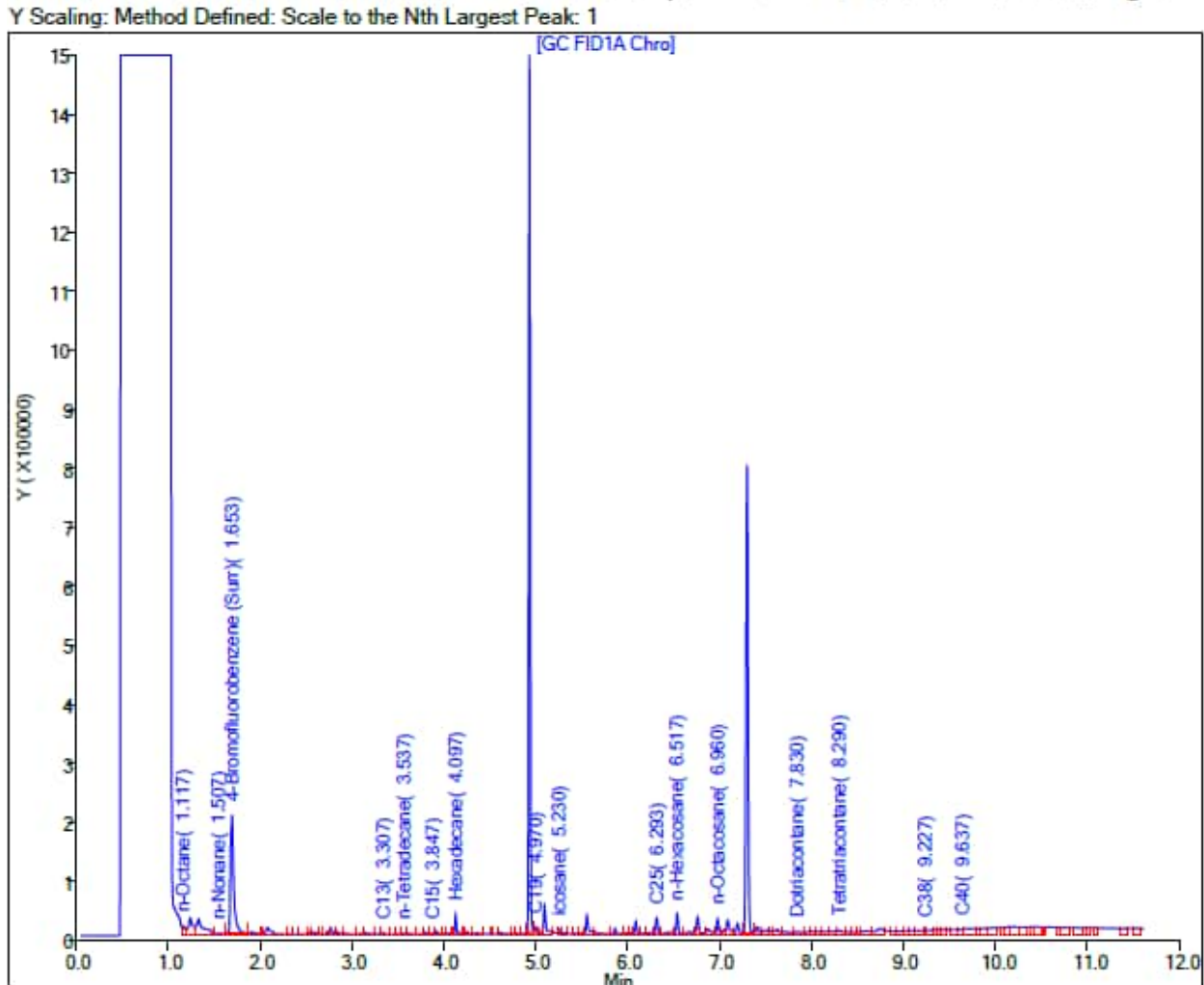
Injection Vol: 1.0 uL

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



No Silica Gel Cleanup performed.

Location: **RHMW12A** Sample ID: RHMW12A-WGN01LF-2303WK2 Sample Date: 3/13/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 20-Mar-2023 08:26:05

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC020\20230317-87552.b\031723B036.D

Injection Date: 17-Mar-2023 23:14:25

Instrument ID: TAC020

Lims ID: 580-124744-O-13-A

Lab Sample ID: 580-124744-13

Client ID: RHMW12A-WGN01LF-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 36

Injection Vol: 1.0 ul

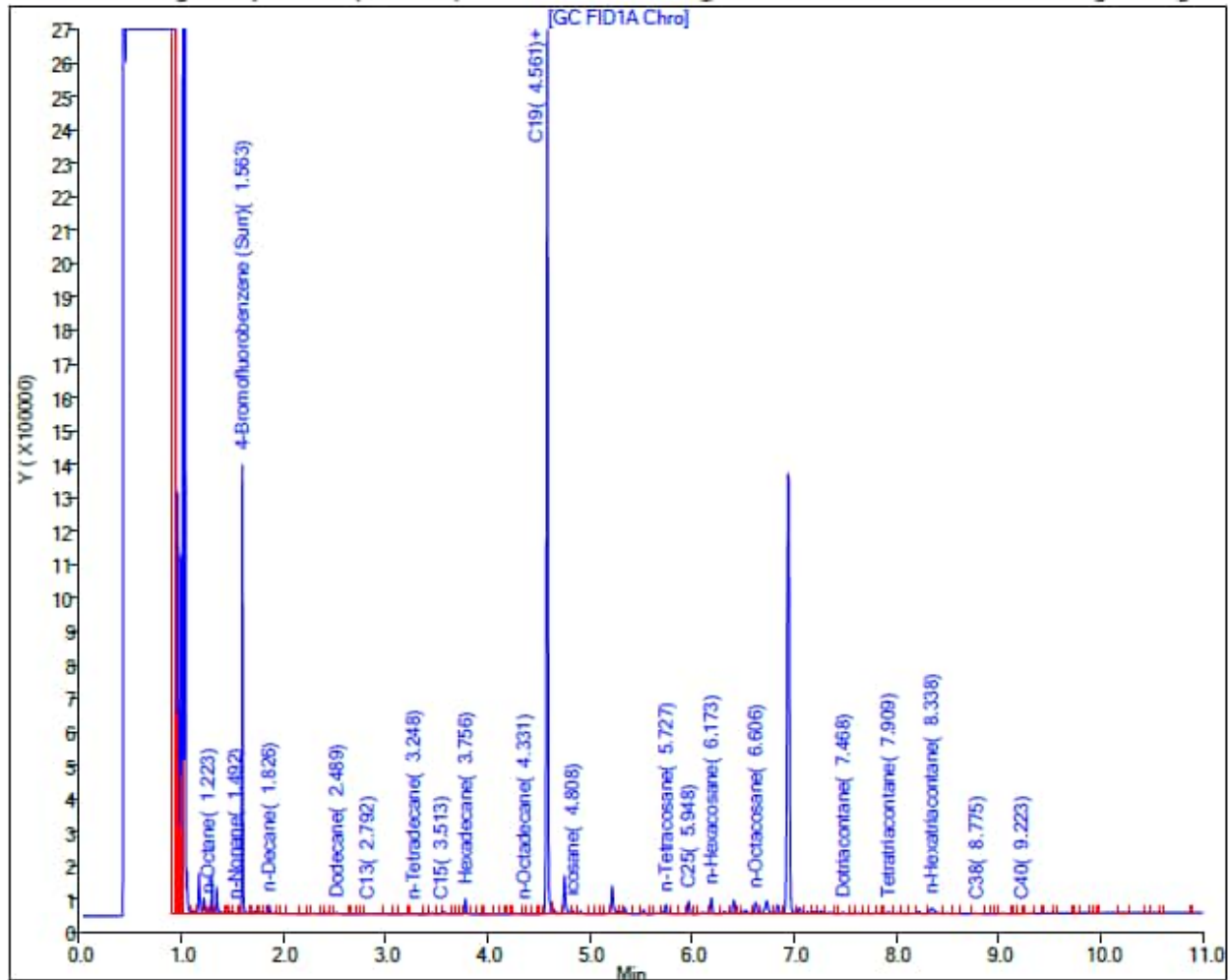
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **RHMW12A** Sample ID: RHMW12A-WGN01LF-2303WK3 Sample Date: 3/20/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 28-Mar-2023 09:01:19

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A045.D

Injection Date: 28-Mar-2023 02:27:16

Instrument ID: TAC020

Lims ID: 580-124962-O-8-A

Lab Sample ID: 580-124962-8

Client ID: RHMW12A-WGN01LF-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 45

Injection Vol: 1.0 ul

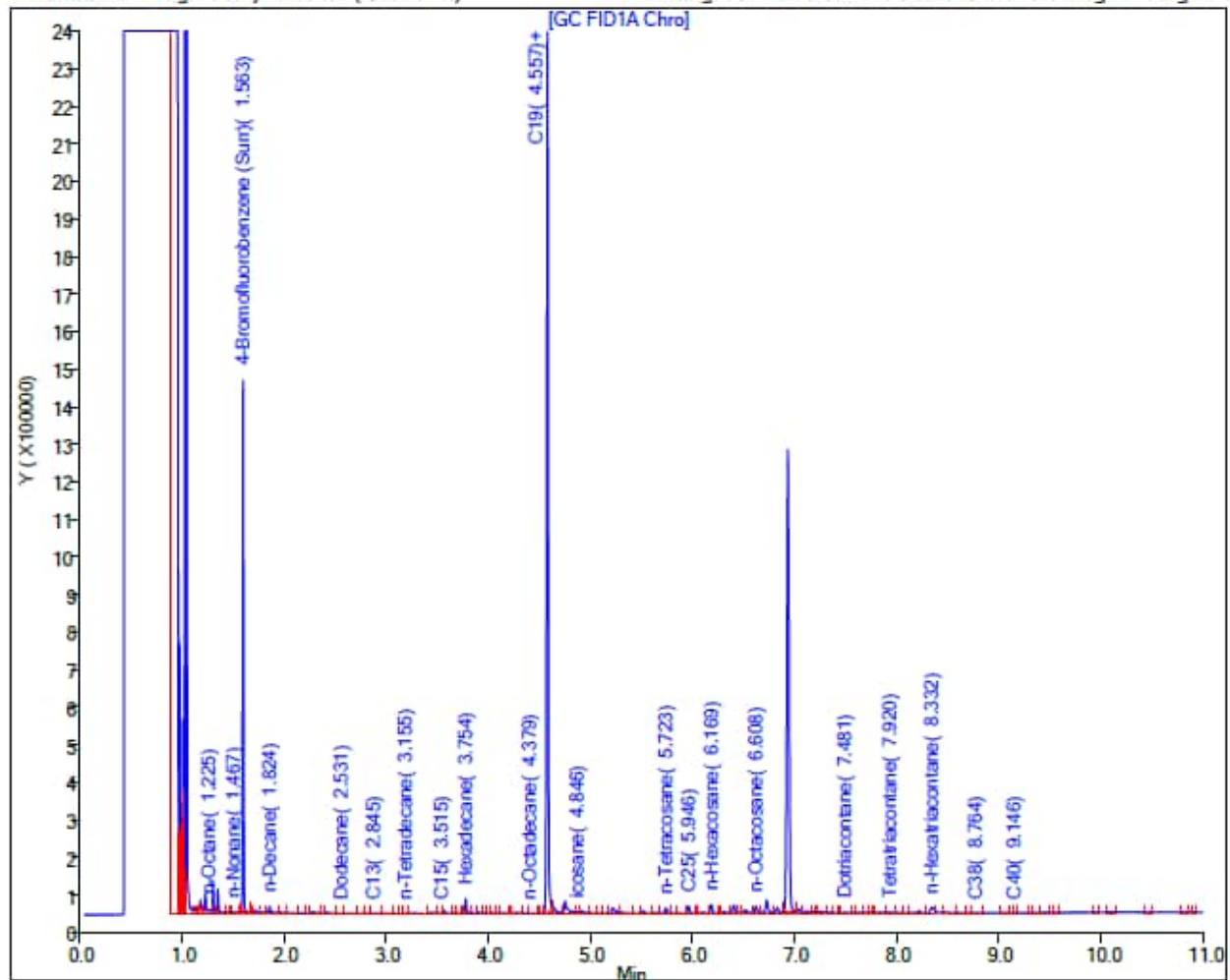
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **RHMW12A** Sample ID: RHMW12A-WGN01LF-2304WK1 Sample Date: 4/3/2023

Lab: Eurofins Seattle

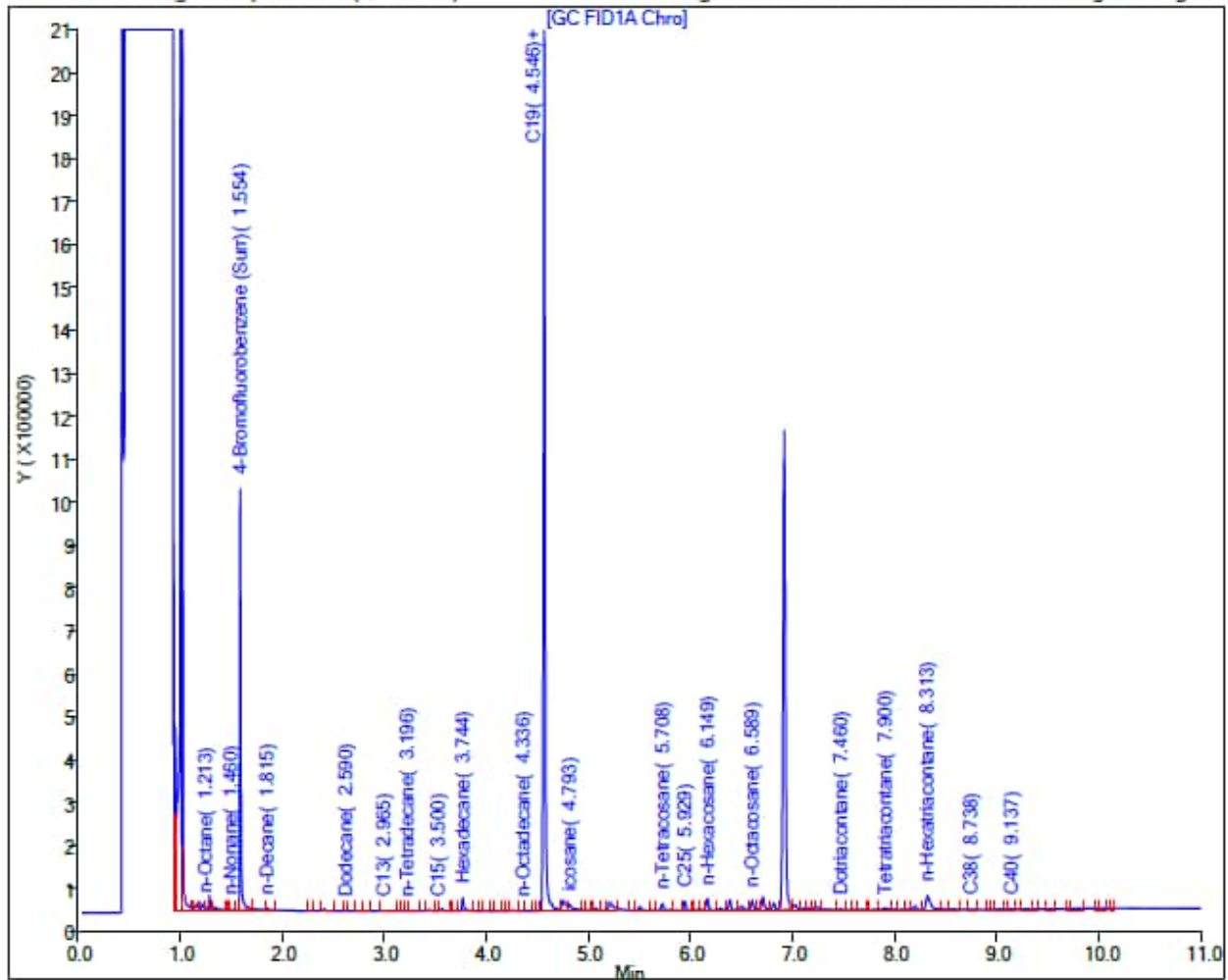
Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 10-Apr-2023 10:41:00

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230407-87849.b\040723A020.D
Injection Date: 07-Apr-2023 17:55:54 Instrument ID: TAC020
Lims ID: 580-125491-O-6-A Lab Sample ID: 580-125491-6
Client ID: RHMW12A-WGN01LF-2304WK1
Operator ID: KW ALS Bottle#: 0 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



No Silica Gel Cleanup performed.

Location: **RHMW12A** Sample ID: RHMW12A-WGN01LF-2304WK4 Sample Date: 4/24/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 27-Apr-2023 09:15:53

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230426-88115.b\042623A029.D

Injection Date: 26-Apr-2023 22:31:03

Instrument ID: TAC129_R

Lims ID: 580-126423-O-1-A

Lab Sample ID: 580-126423-1

Client ID: RHMW12A-WGN01LF-2304WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 15

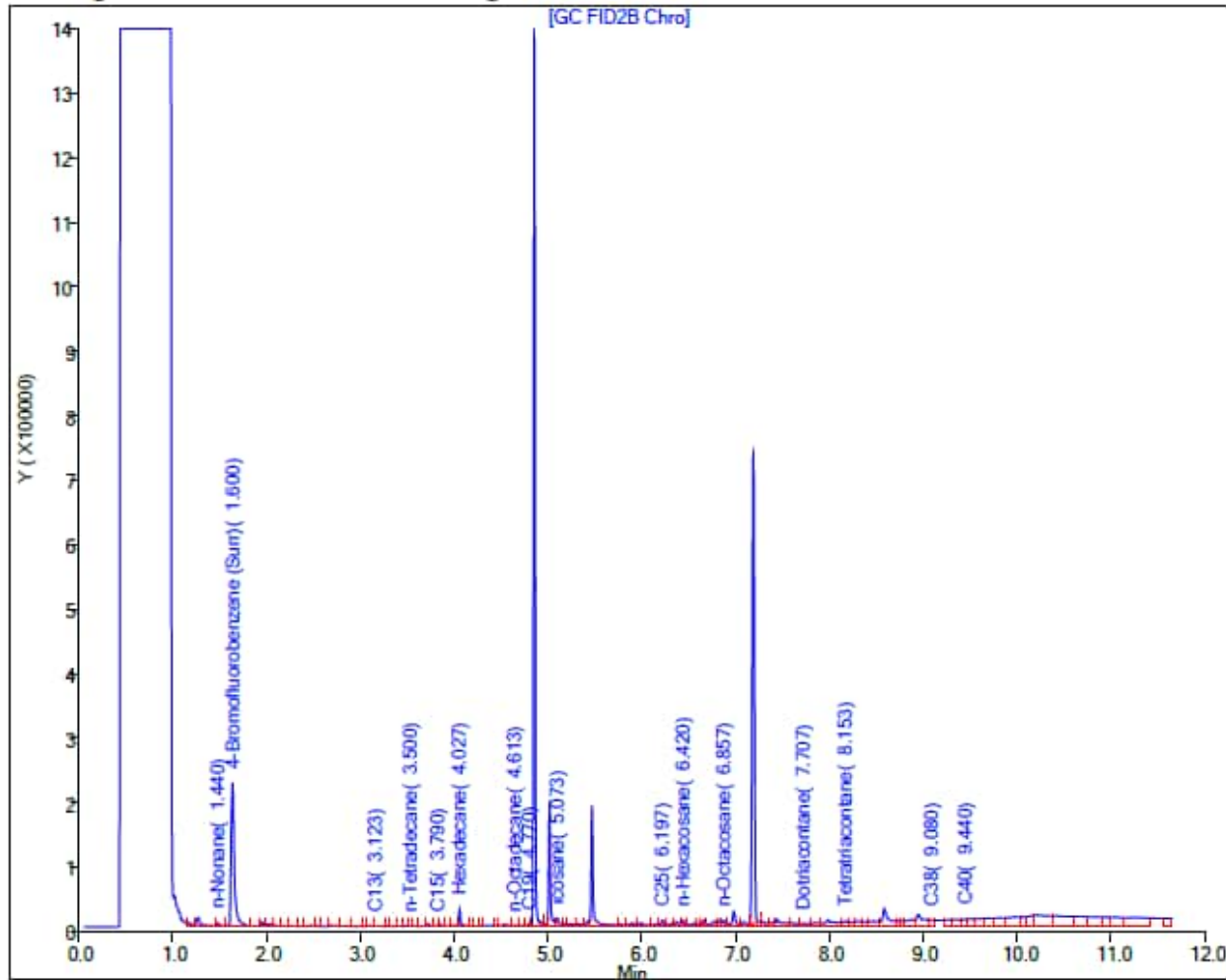
Injection Vol: 1.0 ul

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



No Silica Gel Cleanup performed.

Location: **RHMW12A** Sample ID: RHMW12A-WGN01LF-2305WK1 Sample Date: 5/1/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 05-May-2023 09:22:08

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230504-88240.b\050423A083.D

Injection Date: 04-May-2023 23:32:14

Instrument ID: TAC129_R

Lims ID: 580-126703-O-5-A

Lab Sample ID: 580-126703-5

Client ID: RHMW12A-WGN01LF-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 42

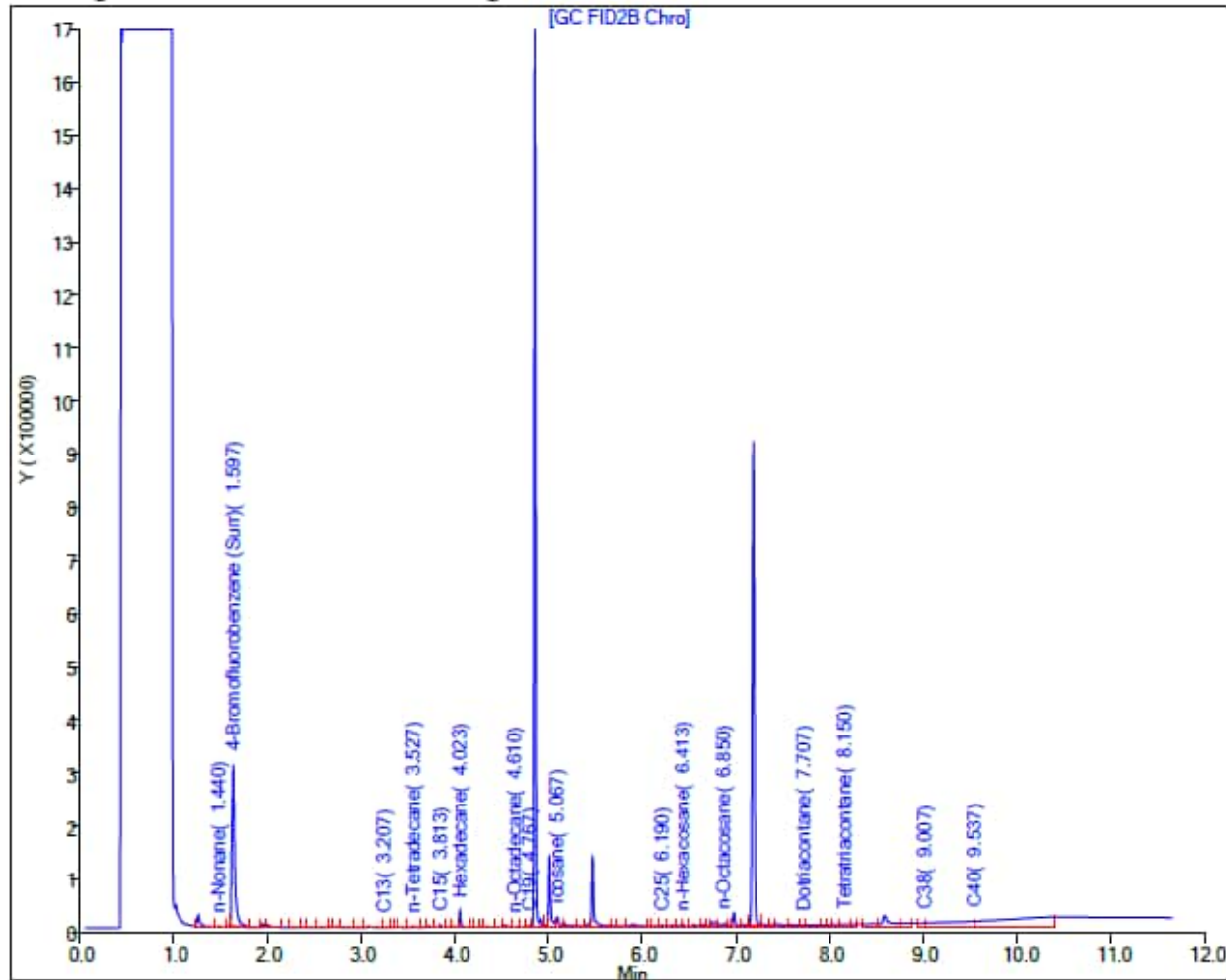
Injection Vol: 1.0 ul

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: **RHMW13-05** Sample ID: RHMW13-05-WGN01G-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 09:46:51

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230217-87149.b\021723A047.D

Injection Date: 17-Feb-2023 20:51:37 Instrument ID: TAC129_R

Lims ID: 580-123602-O-7-A Lab Sample ID: 580-123602-7

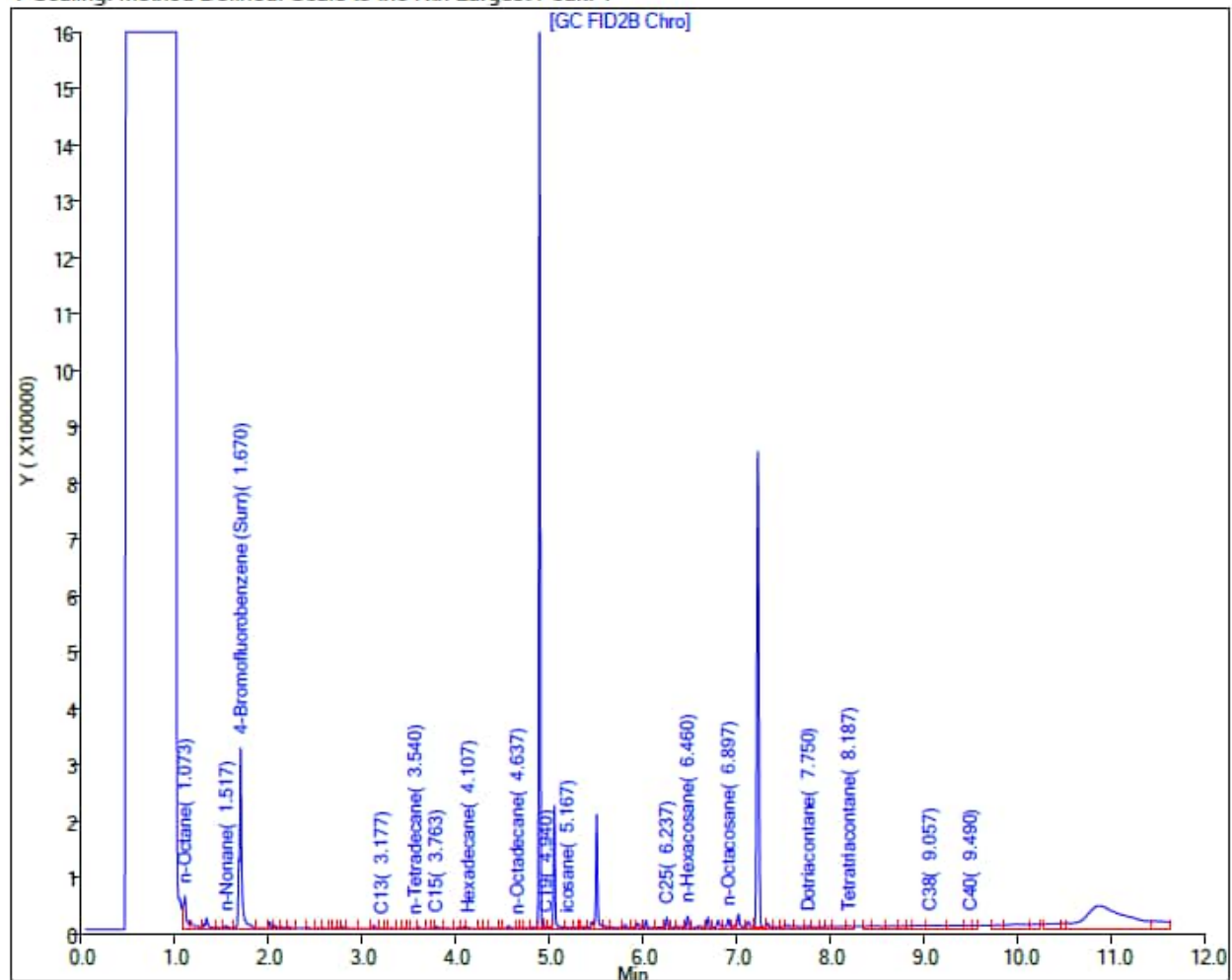
Client ID: RHMW13-05-WGN01G-2302WK2

Operator ID: KW 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



No Silica Gel Cleanup performed.

Location: **RHMW13-05** Sample ID: RHMW13-05-WGN01G-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 15:49:35

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 28-Feb-2023 23:51:08 Instrument ID: TAC129_R

Lims ID: 580-123907-O-5-A

Lab Sample ID: 580-123907-5

Client ID: RHMW13-05-WGN01G-2302WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 37

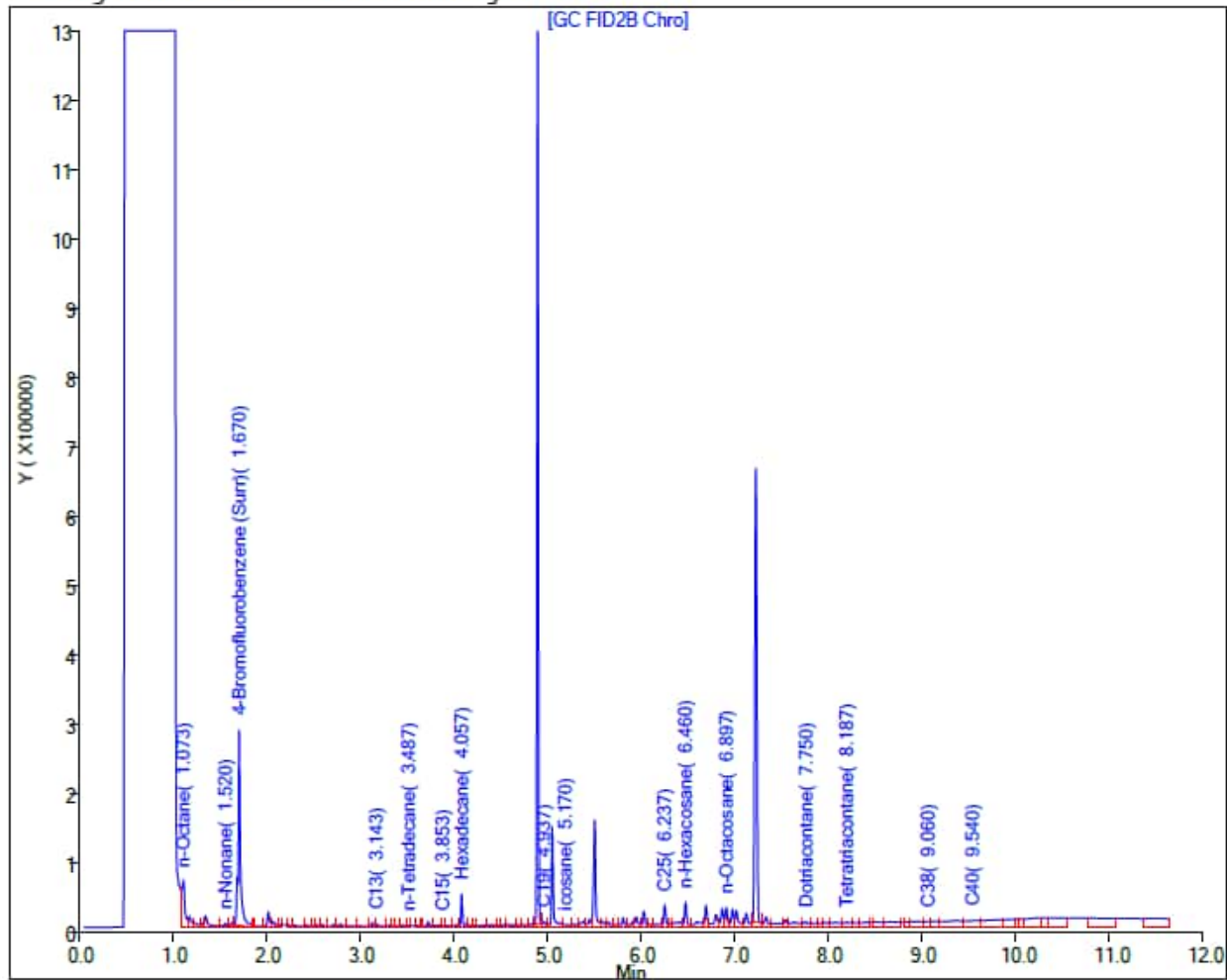
Injection Vol: 1.0 uL

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: **RHMW13-05** Sample ID: RHMW13-05-WGN01G-2303WK1 Sample Date: 3/7/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 14-Mar-2023 08:38:43

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 13-Mar-2023 16:46:16 Instrument ID: TAC129

Lims ID: 580-124423-N-1-A

Lab Sample ID: 580-124423-1

Client ID: RHMW13-05-WGN01G-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 5

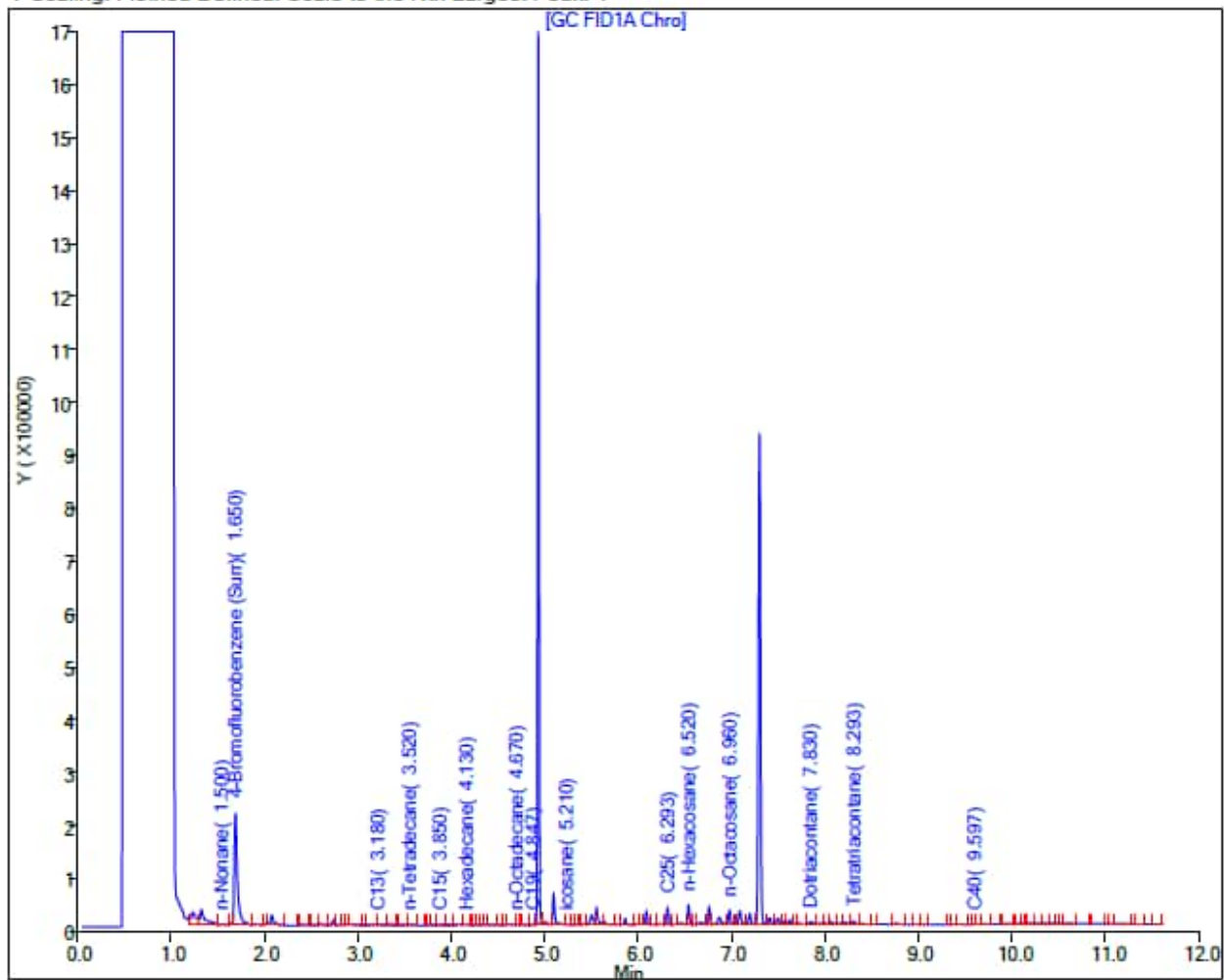
Injection Vol: 1.0 uL

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: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2303WK2 Sample Date: 3/14/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 20-Mar-2023 08:25:28

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230317-87552.b\031723B030.D

Injection Date: 17-Mar-2023 21:13:20

Instrument ID: TAC020

Lims ID: 580-124744-O-1-A

Lab Sample ID: 580-124744-1

Client ID: RHMW13-05-WGN01G-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 30

Injection Vol: 1.0 ul

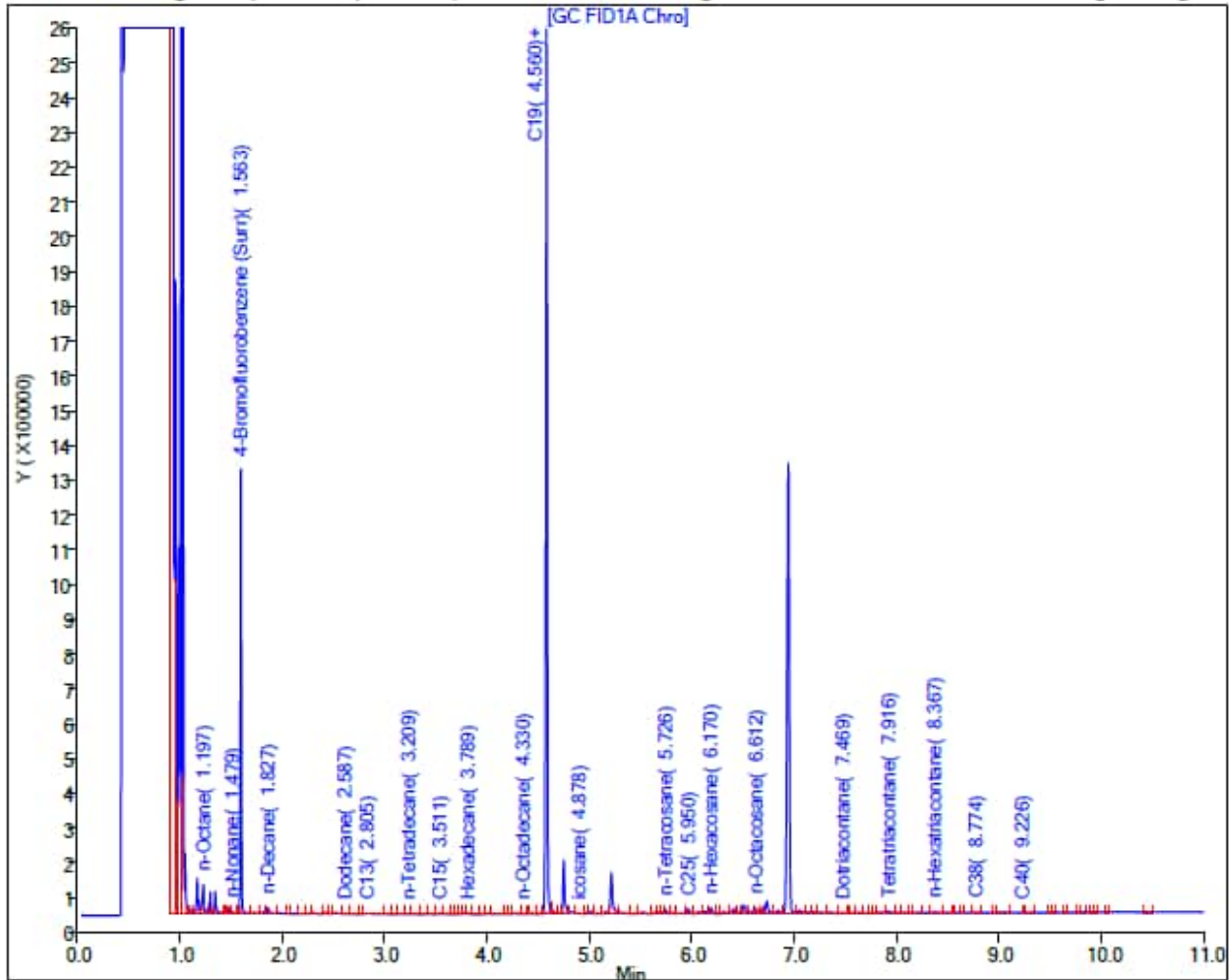
Dil. Factor: 1.0000

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: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2303WK3 Sample Date: 3/22/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 31-Mar-2023 09:24:10

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230330-87724.b\033023A038.D

Injection Date: 30-Mar-2023 23:14:28

Instrument ID: TAC020

Lims ID: 580-125133-O-7-A

Lab Sample ID: 580-125133-7

Client ID: RHMW13-05-WGN01G-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 38

Injection Vol: 1.0 ul

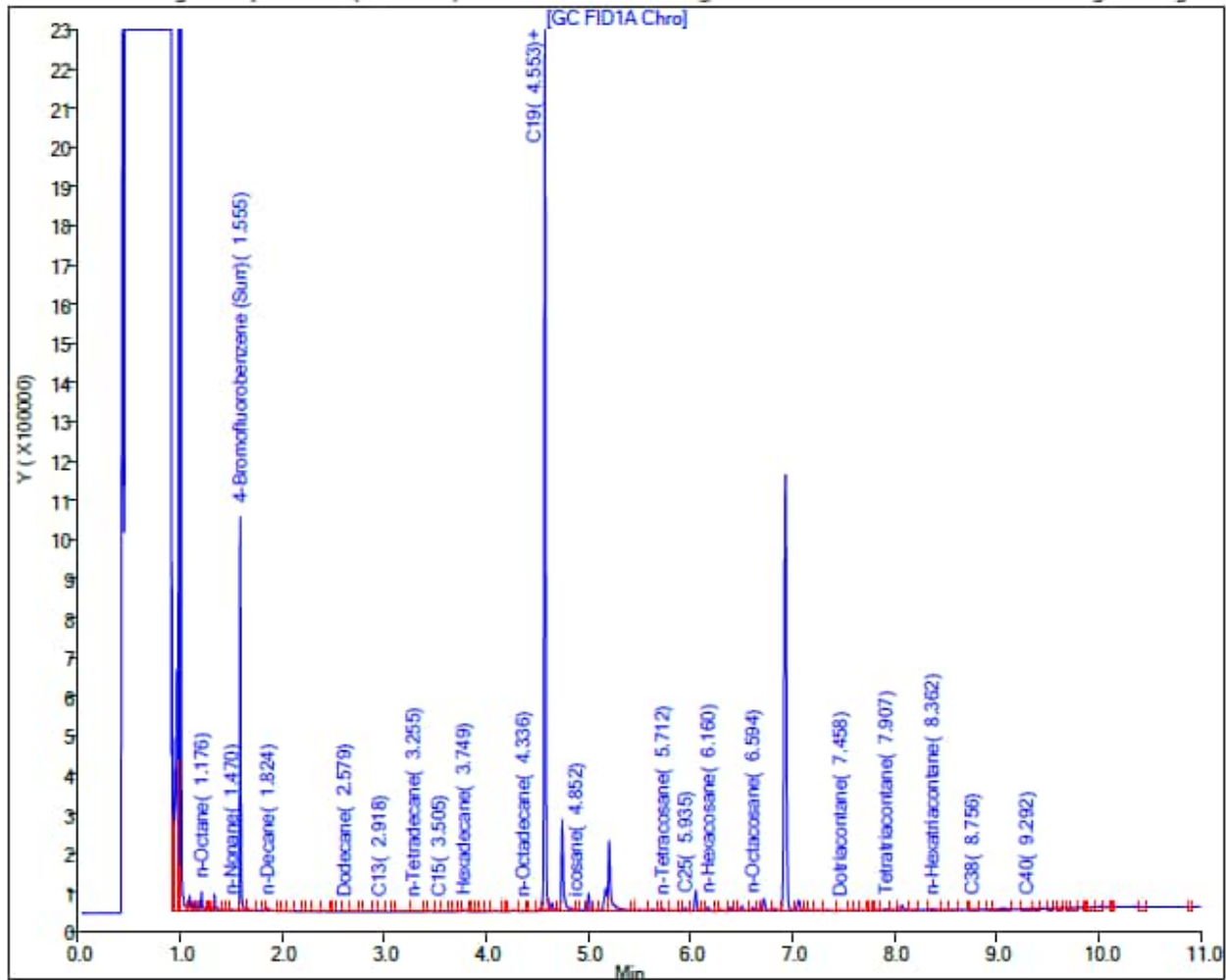
Dil. Factor: 1.0000

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: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2303WK4 Sample Date: 3/28/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 05-Apr-2023 11:50:18

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A029.D

Injection Date: 04-Apr-2023 19:04:32

Instrument ID: TAC020

Lims ID: 580-125271-O-1-A

Lab Sample ID: 580-125271-1

Client ID: RHMW13-05-WGN01G-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 29

Injection Vol: 1.0 ul

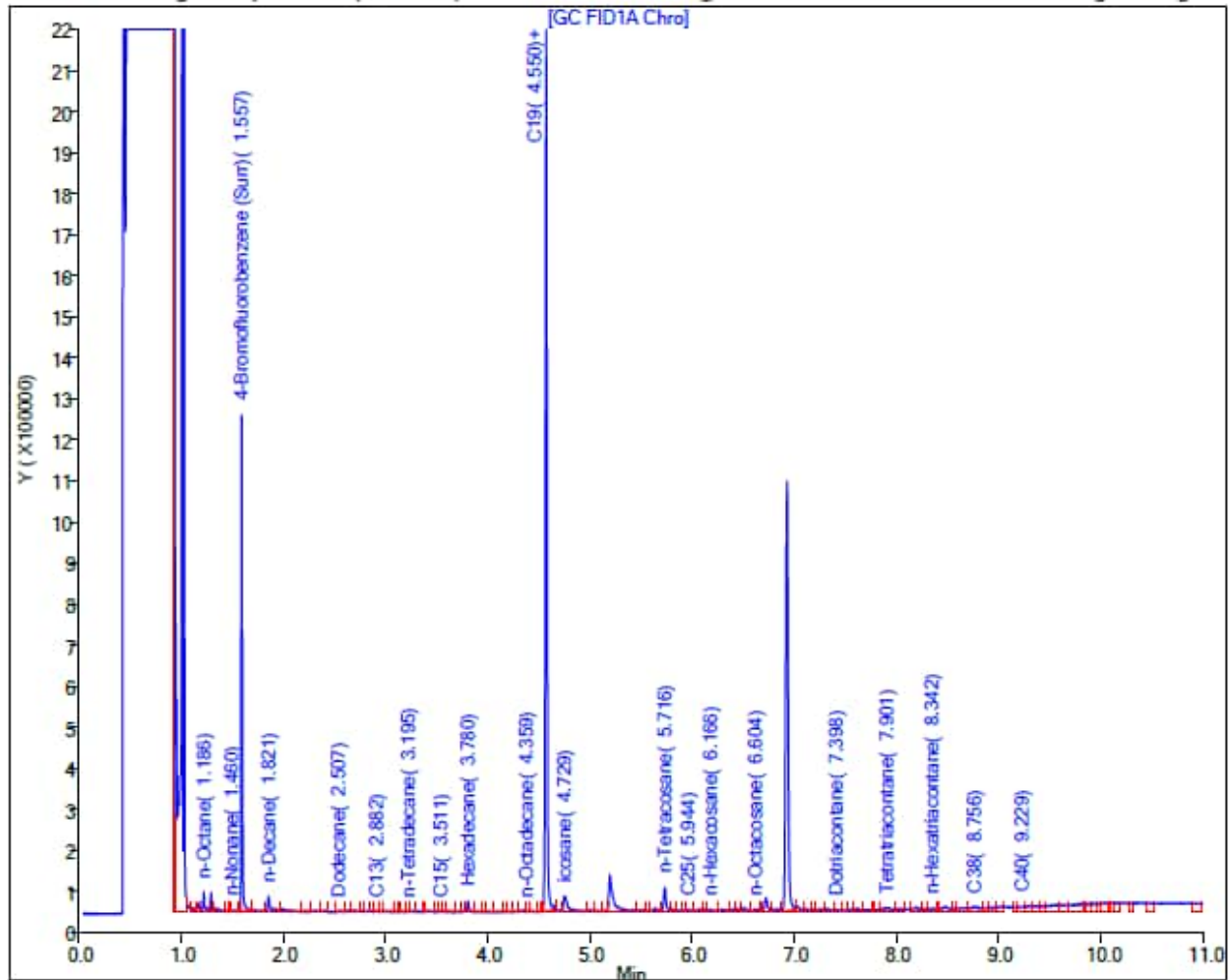
Dil. Factor: 1.0000

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: RHMW13-05 Sample ID: RHMW13-05-WGN01G-2304WK1 Sample Date: 4/4/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 13-Apr-2023 09:25:49

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230412-87914.b\041223A034.D

Injection Date: 12-Apr-2023 21:40:20

Instrument ID: TAC020

Lims ID: 580-125579-O-15-A

Lab Sample ID: 580-125579-15

Client ID: RHMW13-05-WGN01G-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 34

Injection Vol: 1.0 ul

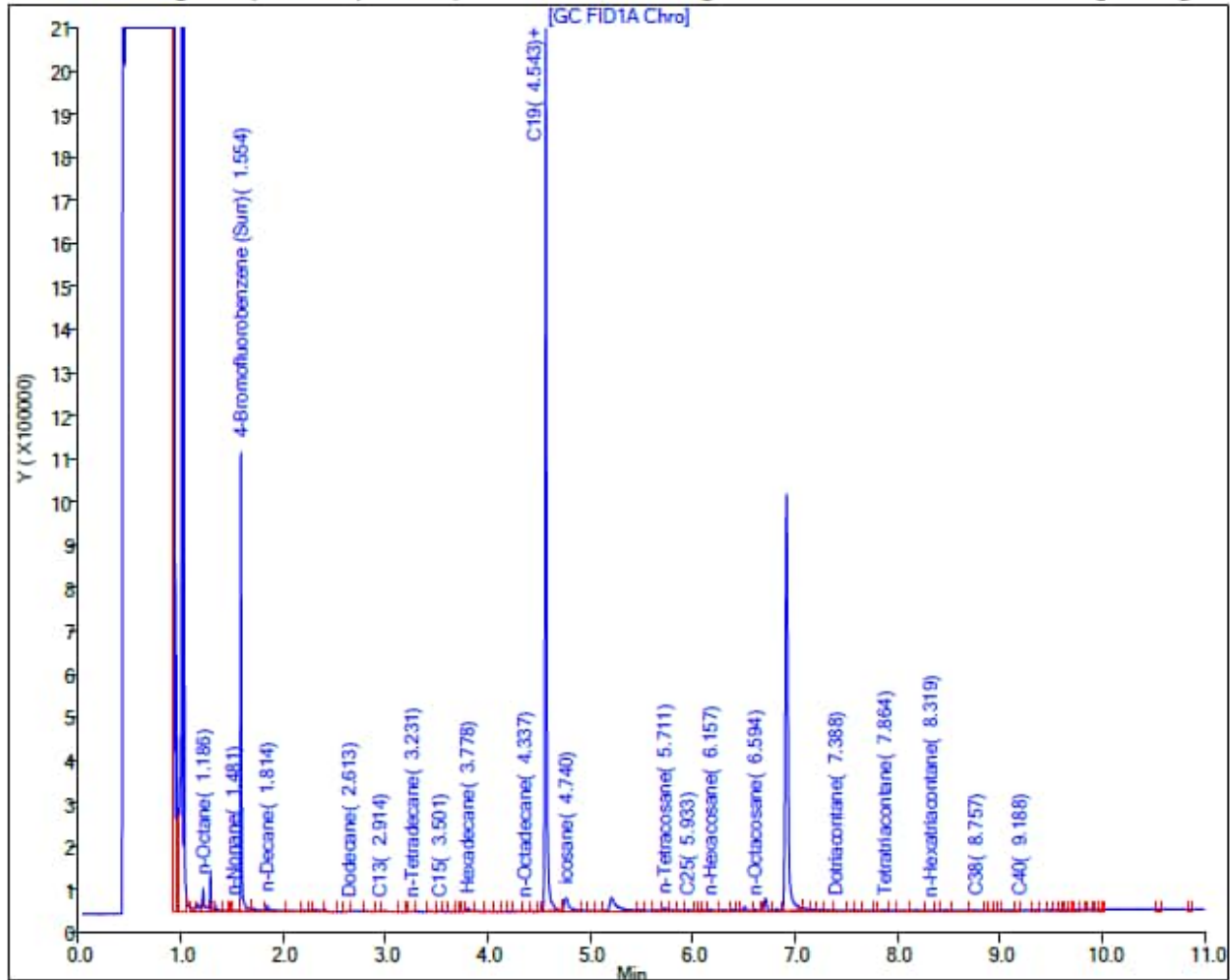
Dil. Factor: 1.0000

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-2305WK1 Sample Date: 5/2/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 UJ**

TPH-o (C24 to C40) <310 U

Report Date: 15-May-2023 10:20:14

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230512-88389.b\051223A015.D

Injection Date: 12-May-2023 18:11:59

Instrument ID: TAC129_R

Lims ID: 580-126757-M-11-A

Lab Sample ID: 580-126757-11

Client ID: RHMW13-05-WGN01G-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 8

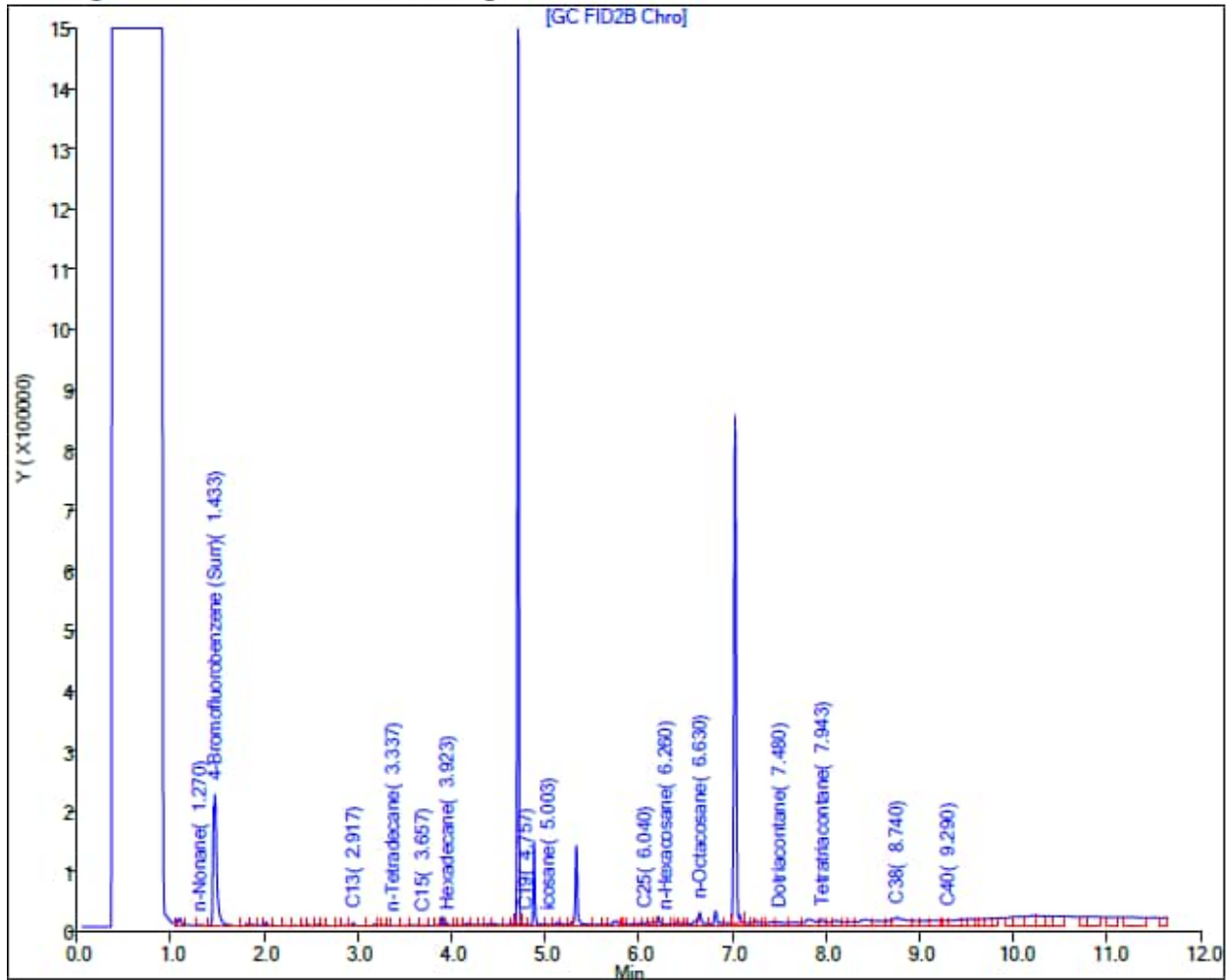
Injection Vol: 1.0 ul

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: **RHMW14-03** Sample ID: RHMW14-03-WGN01G-2302WK4 Sample Date: 3/1/2023

Lab: Eurofins Seattle

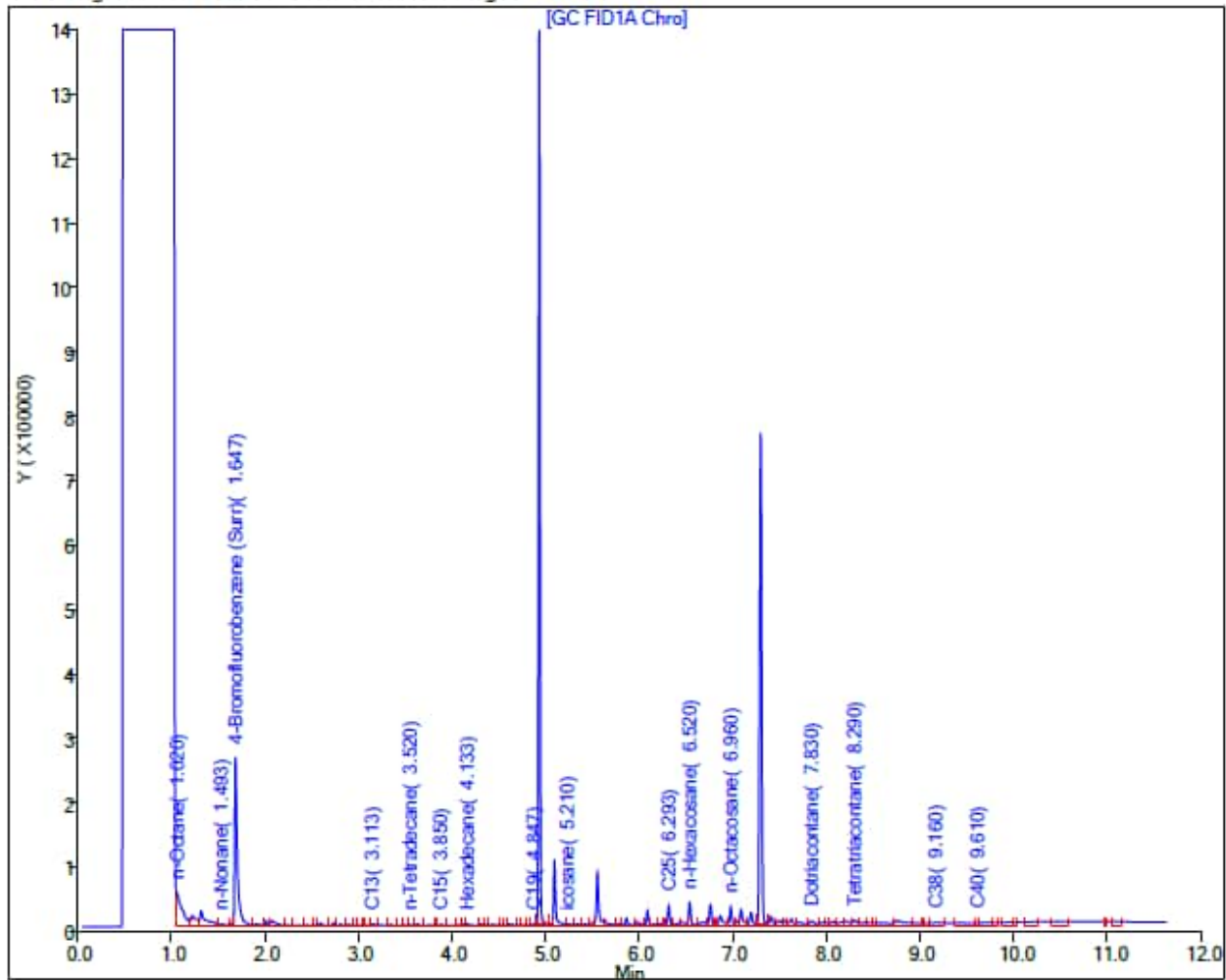
Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 08-Mar-2023 08:41:28

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A076.D
Injection Date: 07-Mar-2023 21:28:08 Instrument ID: TAC129
Lims ID: 580-124238-O-5-A Lab Sample ID: 580-124238-5
Client ID: RHMW14-03-WGN01G-2302WK4
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: **RHMW14-03** Sample ID: RHMW14-03-WGN01G-2303WK1 Sample Date: 3/8/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 UJ**

TPH-o (C24 to C40) <250 U

Report Date: 21-Mar-2023 14:54:44

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC020\20230321-87596.b\032123A015.D

Injection Date: 21-Mar-2023 14:03:19

Instrument ID: TAC020

Lims ID: 580-124557-L-12-A

Lab Sample ID: 580-124557-12

Client ID: RHMW14-03-WGN01G-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 15

Injection Vol: 1.0 ul

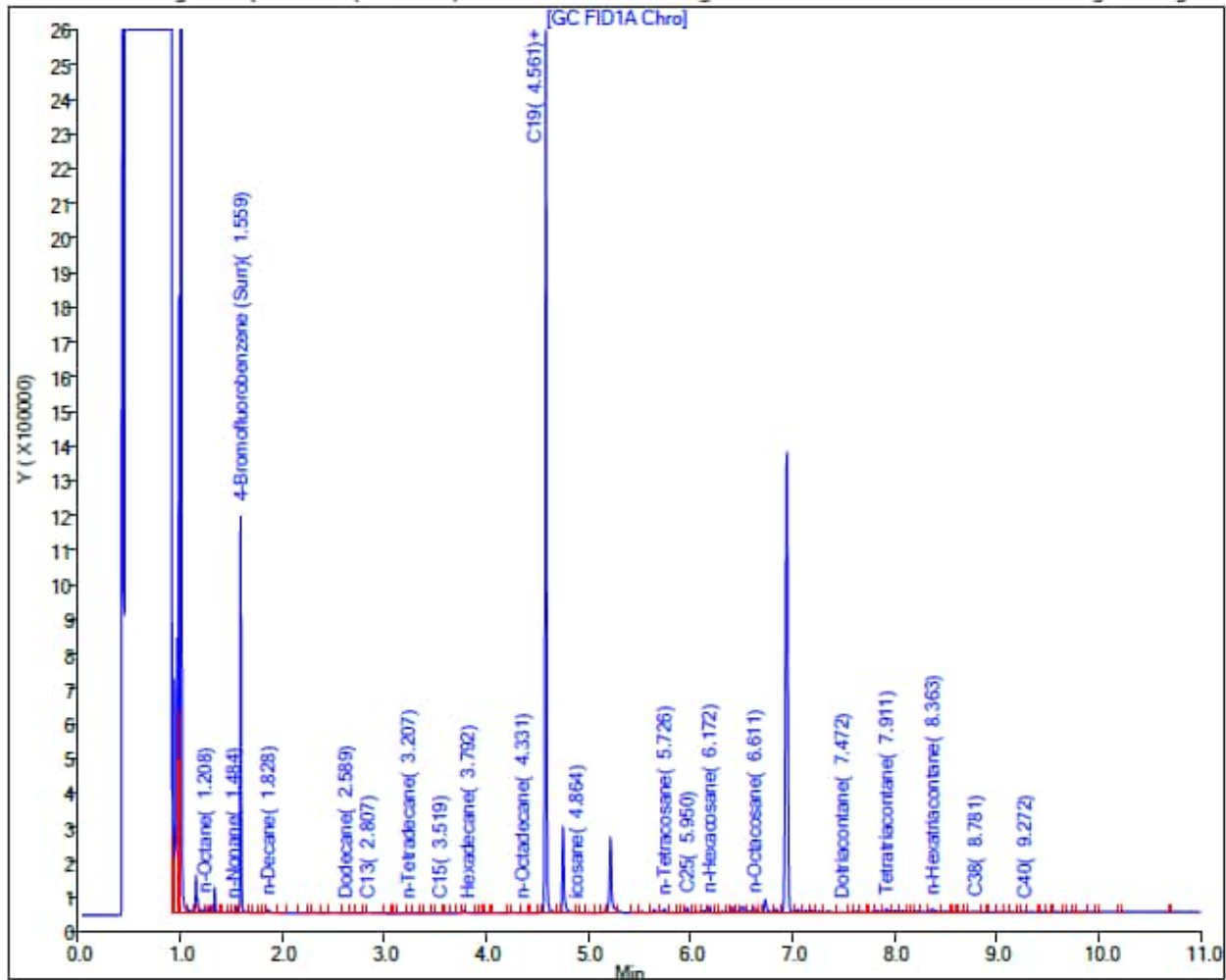
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **RHMW14-03** Sample ID: RHMW14-03-WGN01G-2303WK3 Sample Date: 3/21/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 28-Mar-2023 09:01:49

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Euofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A050.D

Injection Date: 28-Mar-2023 04:08:11

Instrument ID: TAC020

Lims ID: 580-125015-O-1-A

Lab Sample ID: 580-125015-1

Client ID: RHMW14-03-WGN01G-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 50

Injection Vol: 1.0 ul

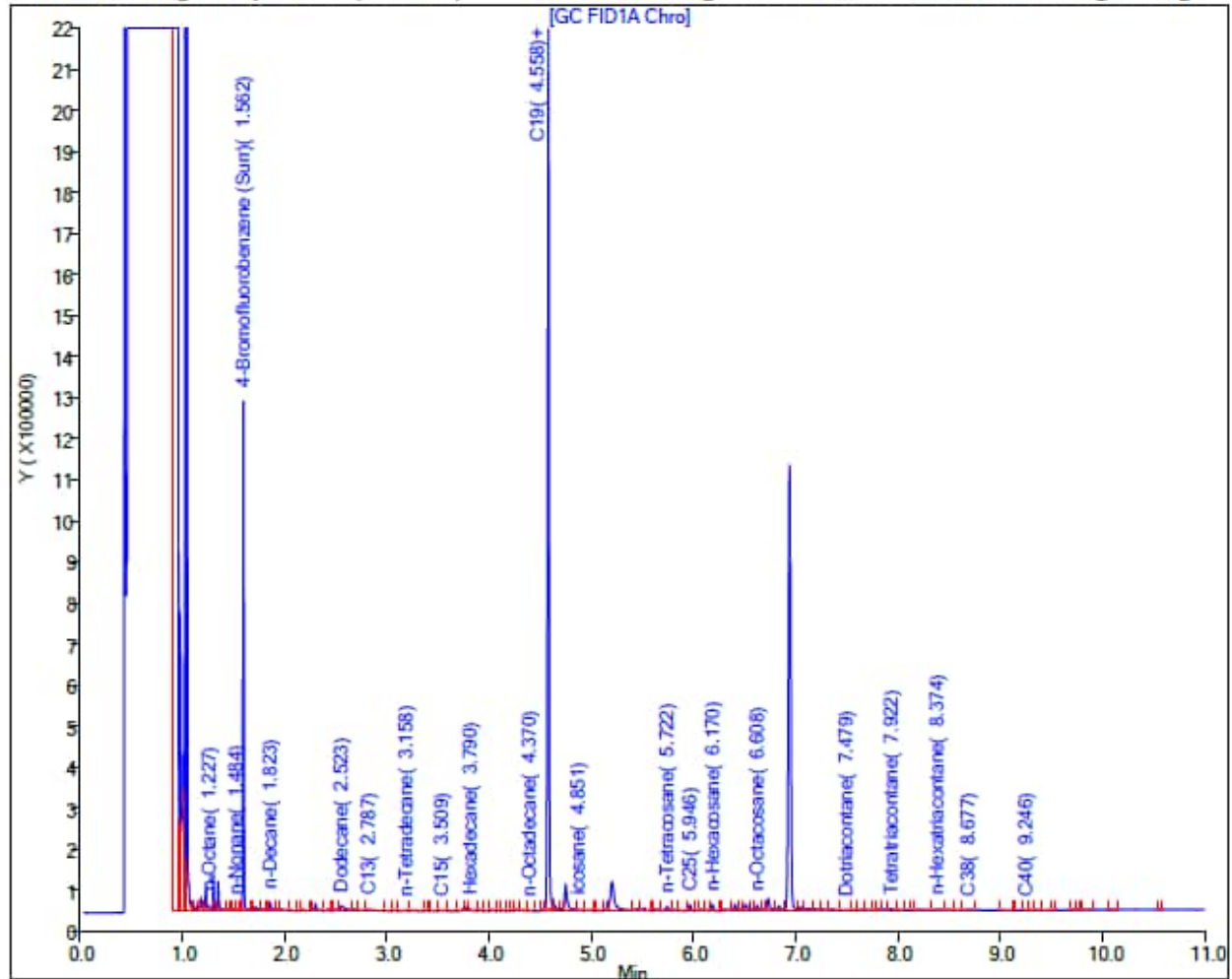
Dil. Factor: 1.0000

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-2303WK4 Sample Date: 3/31/2023

Lab: Energy

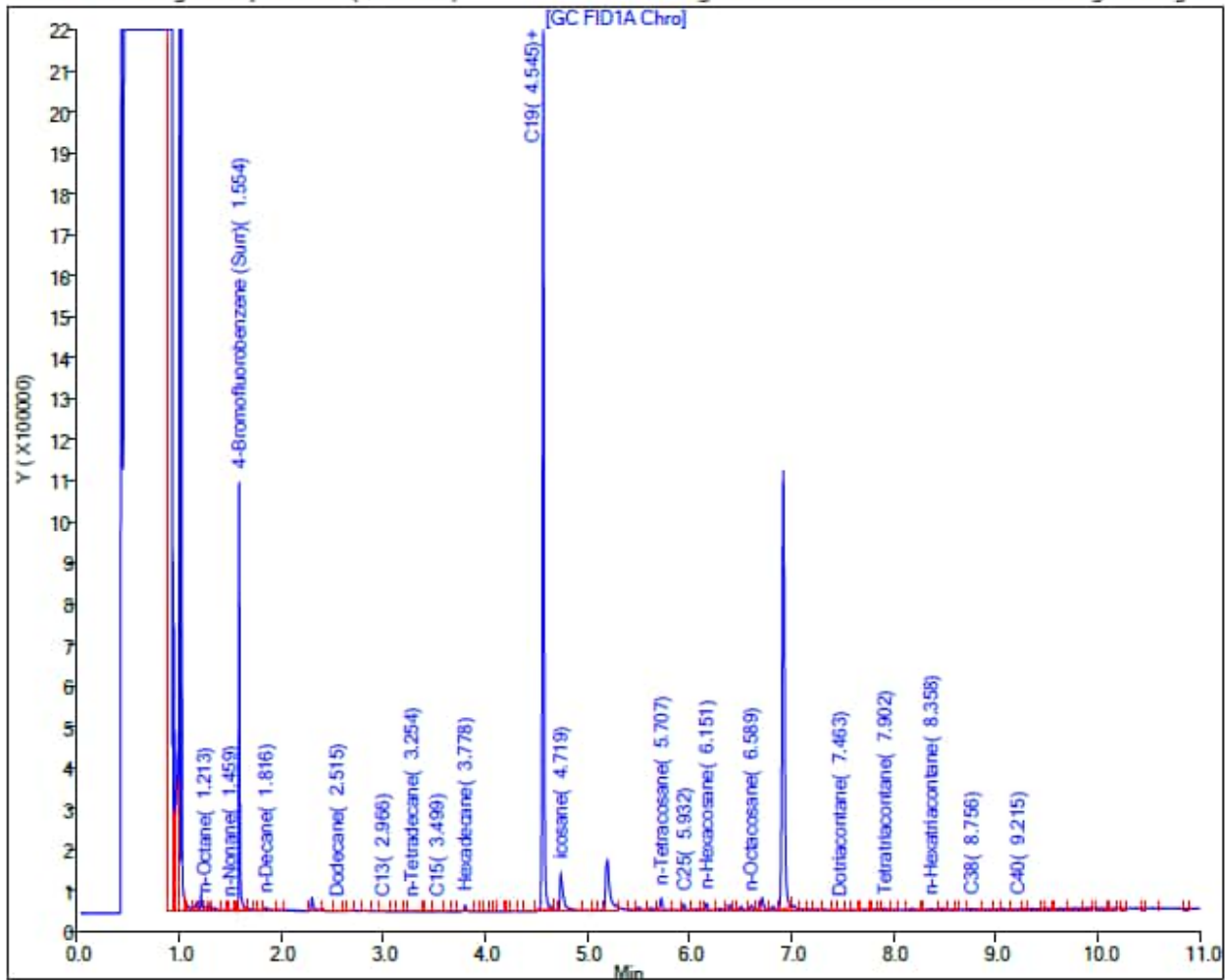
Results (ug/L): TPH-d (C10 to C24) <110 U

TPH-o (C24 to C40) <320 U

Report Date: 10-Apr-2023 10:40:45

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Euofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230407-87849.b\040723A017.D
Injection Date: 07-Apr-2023 16:55:23 Instrument ID: TAC020
Lims ID: 580-125456-N-1-A Lab Sample ID: 580-125456-1
Client ID: RHMW14-03-WGN01G-2303WK4
Operator ID: KW ALS Bottle#: 0 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



No Silica Gel Cleanup performed.

Location: RHMW14-03 Sample ID: RHMW14-03-WGN01G-2304WK1 Sample Date: 4/3/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 10-Apr-2023 10:41:12

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230407-87849.b\040723A022.D

Injection Date: 07-Apr-2023 18:36:17

Instrument ID: TAC020

Lims ID: 580-125579-N-1-A

Lab Sample ID: 580-125579-1

Client ID: RHMW14-03-WGN01G-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 22

Injection Vol: 1.0 ul

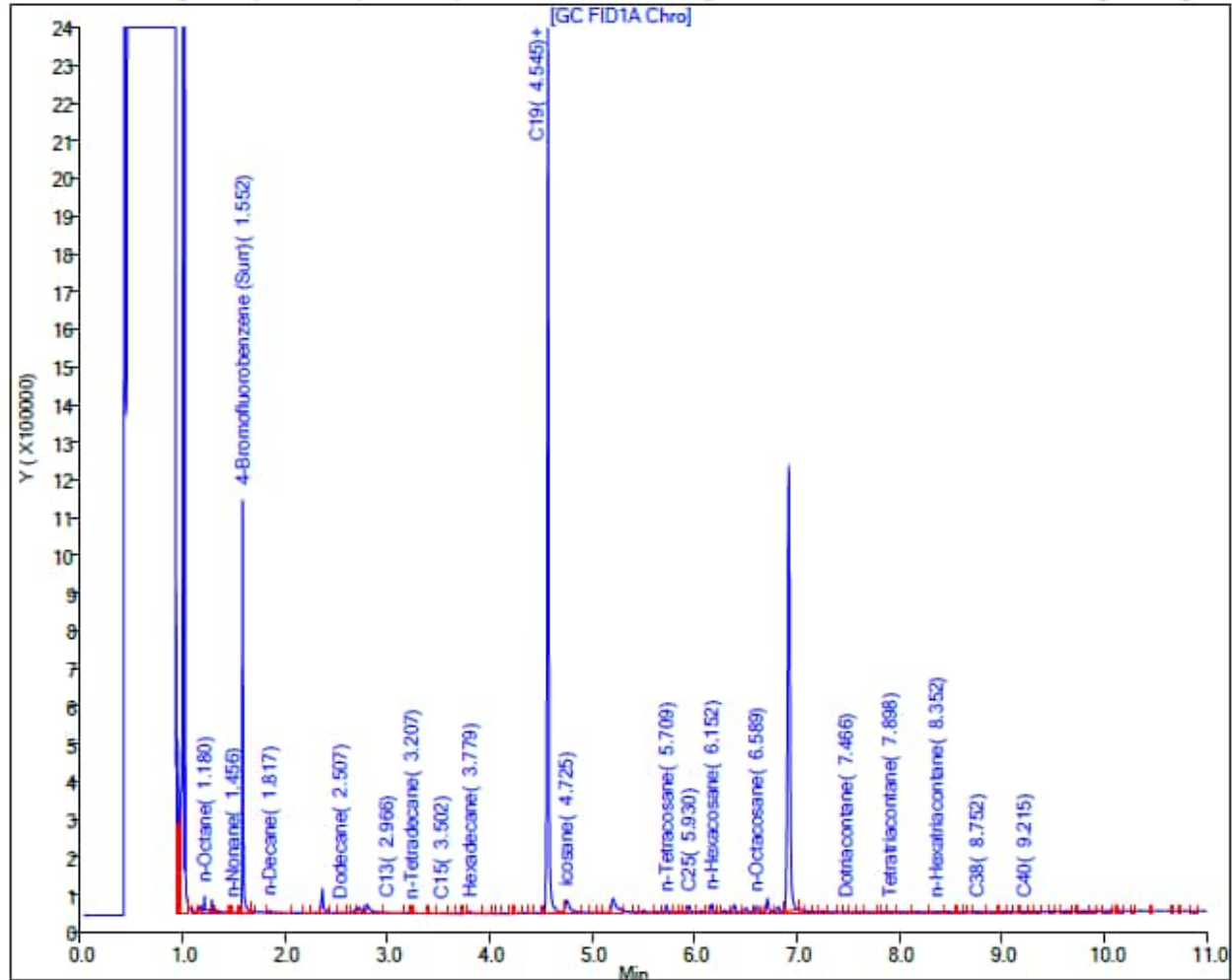
Dil. Factor: 1.0000

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: **RHMW14-03** Sample ID: RHMW14-03-WGN01G-2305WK1 Sample Date: 5/1/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 08-May-2023 18:15:55

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230508-88306.b\050823A013.D

Injection Date: 08-May-2023 17:42:47

Instrument ID: TAC020

Lims ID: 580-126757-O-7-A

Lab Sample ID: 580-126757-7

Client ID: RHMW14-03-WGN01G-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 13

Injection Vol: 1.0 ul

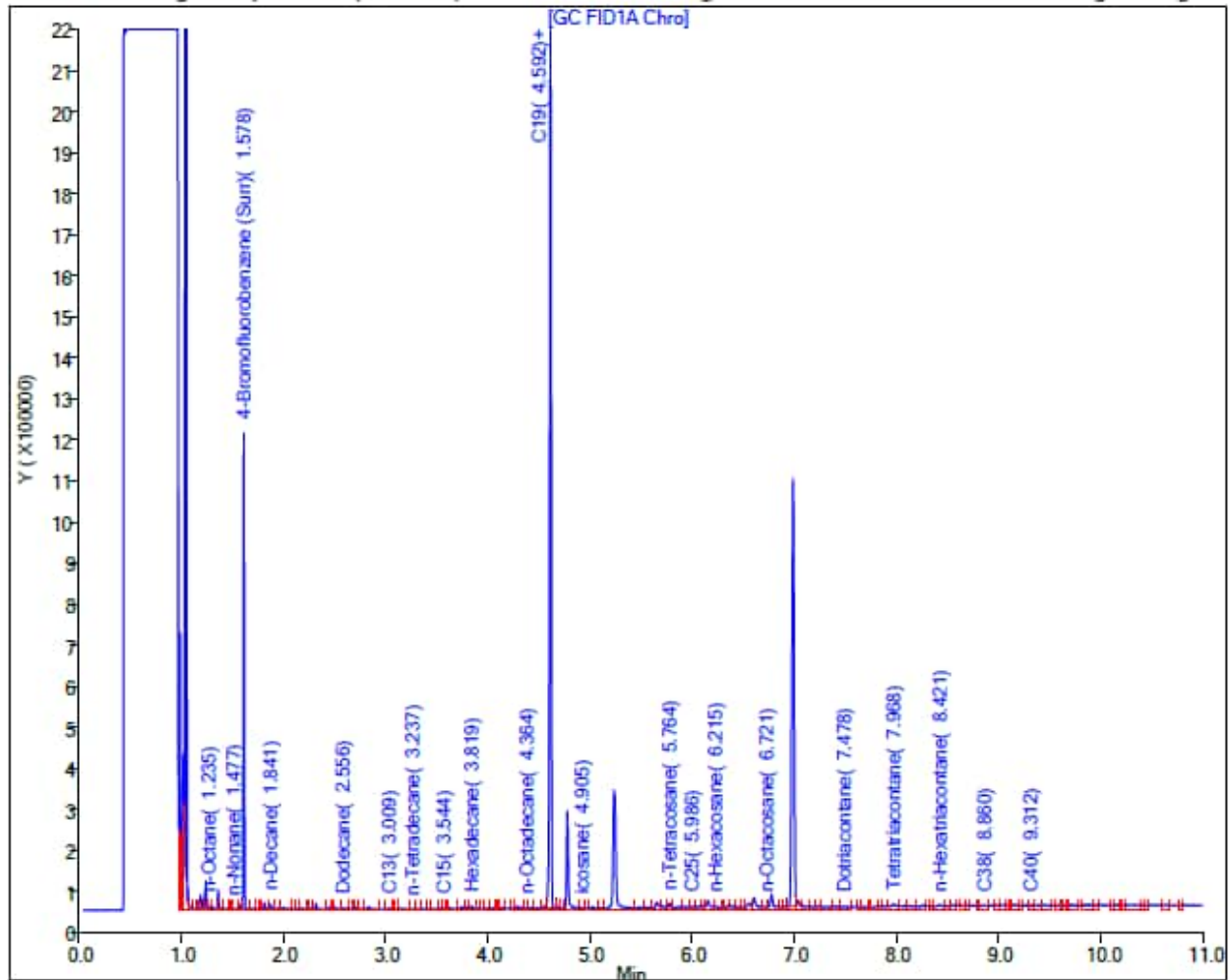
Dil. Factor: 1.0000

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: **RHMW14-03** Sample ID: RHMW14-03-WGN01G-2305WK3 Sample Date: 5/17/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 22-May-2023 09:32:00

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: Eurofins Seattle

Injection Date: 20-May-2023 01:07:04

Lims ID: 580-127393-O-12-A

Client ID: RHMW14-03-WGN01G-2305WK3

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-Front_TAC020

Column: ZB-1 High Temp. Inferno (0.25 mm)

Instrument ID: TAC020

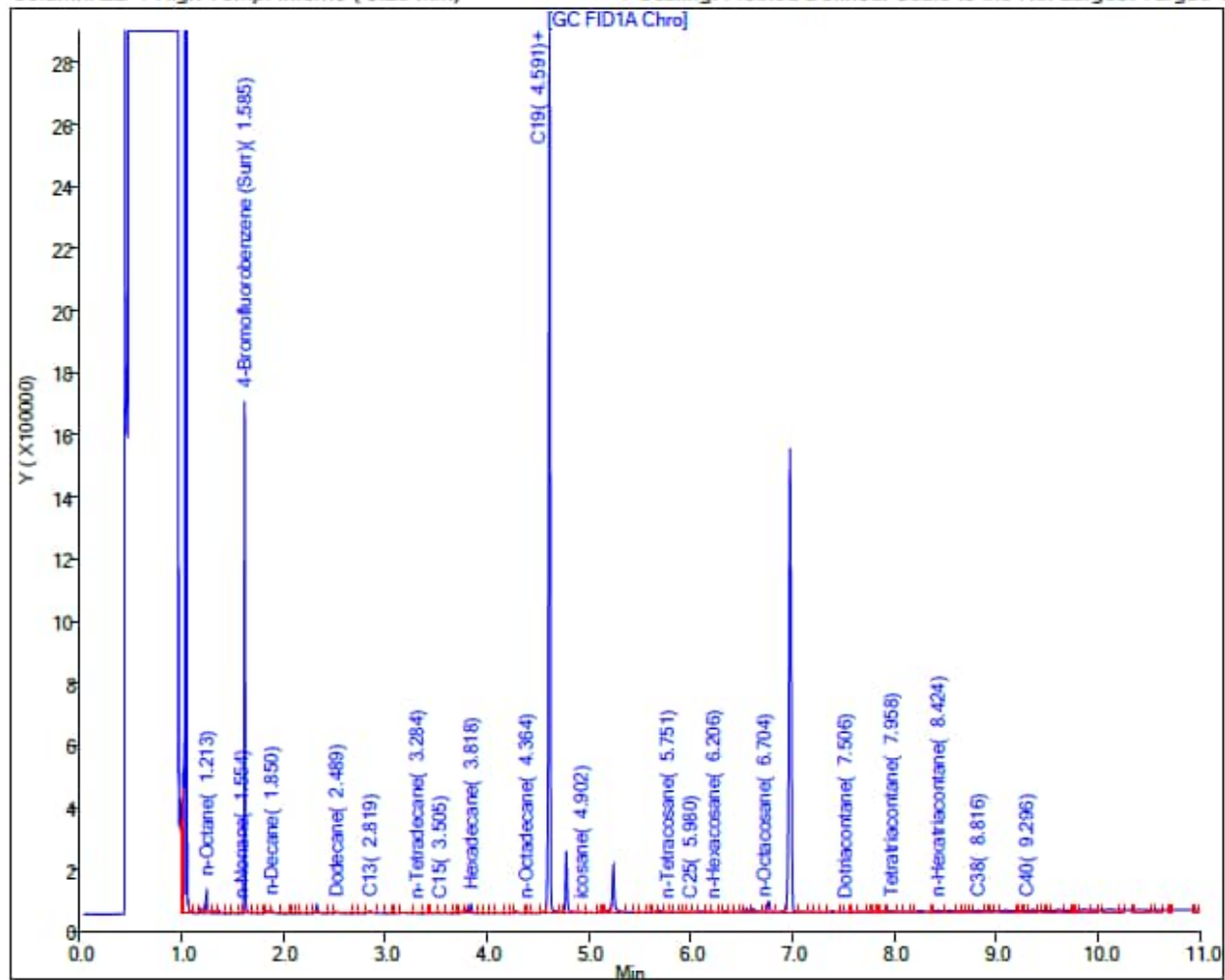
Lab Sample ID: 580-127393-12

ALS Bottle#: 0 Worklist Smp#: 44

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: **RHMW15-05** Sample ID: RHMW15-05-WGN01G-2302WK4 Sample Date: 3/2/2023

Lab: Eurofins Seattle

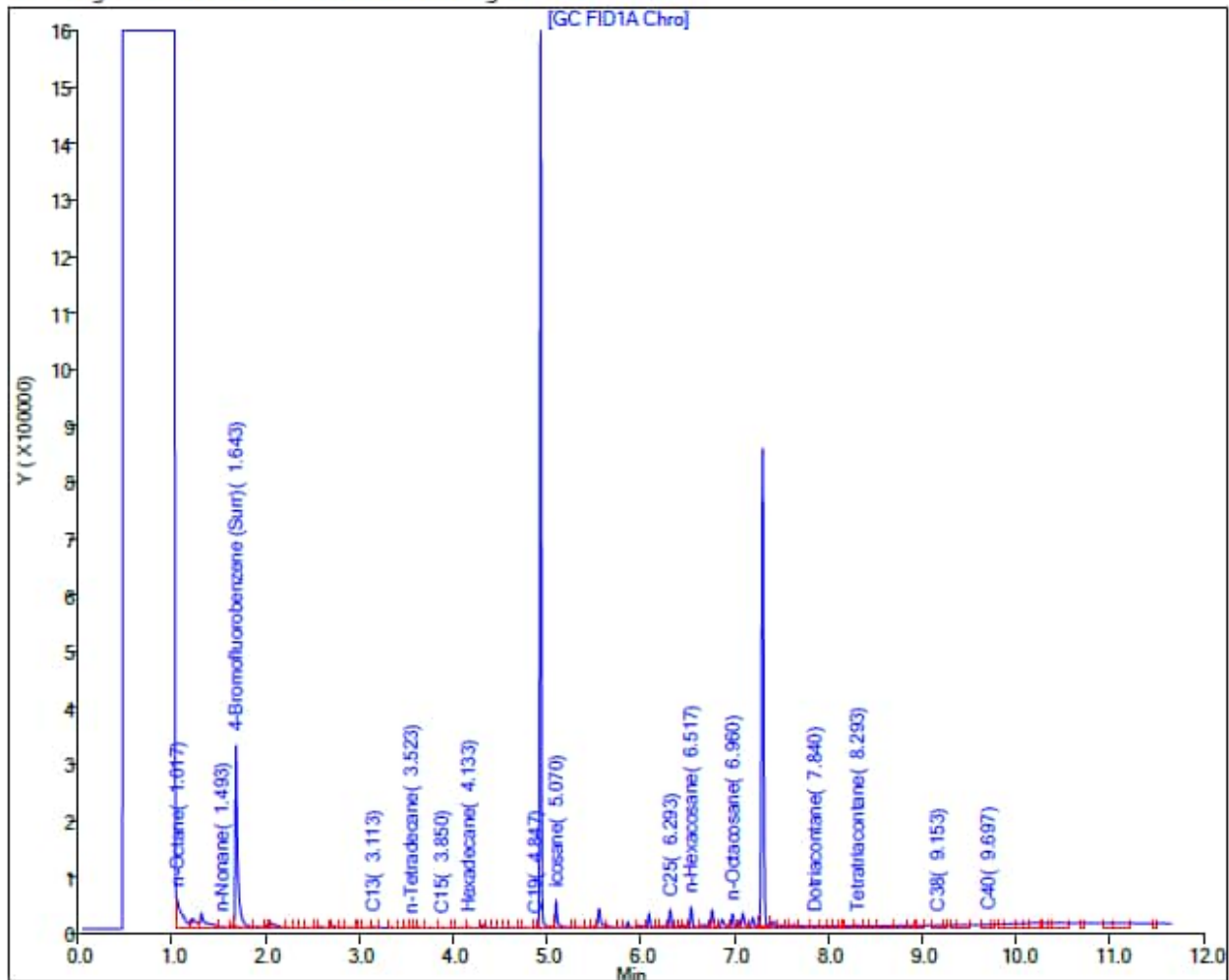
Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 08-Mar-2023 08:41:22

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A072.D
Injection Date: 07-Mar-2023 20:50:44 Instrument ID: TAC129
Lims ID: 580-124238-N-1-A Lab Sample ID: 580-124238-1
Client ID: RHMW15-05-WGN01G-2302WK4
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: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2303WK1 Sample Date: 3/9/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <88 U

TPH-o (C24 to C40) <270 U

Report Date: 15-Mar-2023 08:13:58

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129\20230314-87488.b\031423B060.D

Injection Date: 14-Mar-2023 21:08:06

Instrument ID: TAC129

Lims ID: 580-124556-N-1-A

Lab Sample ID: 580-124556-1

Client ID: RHMW15-05-WGN01G-2303WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 30

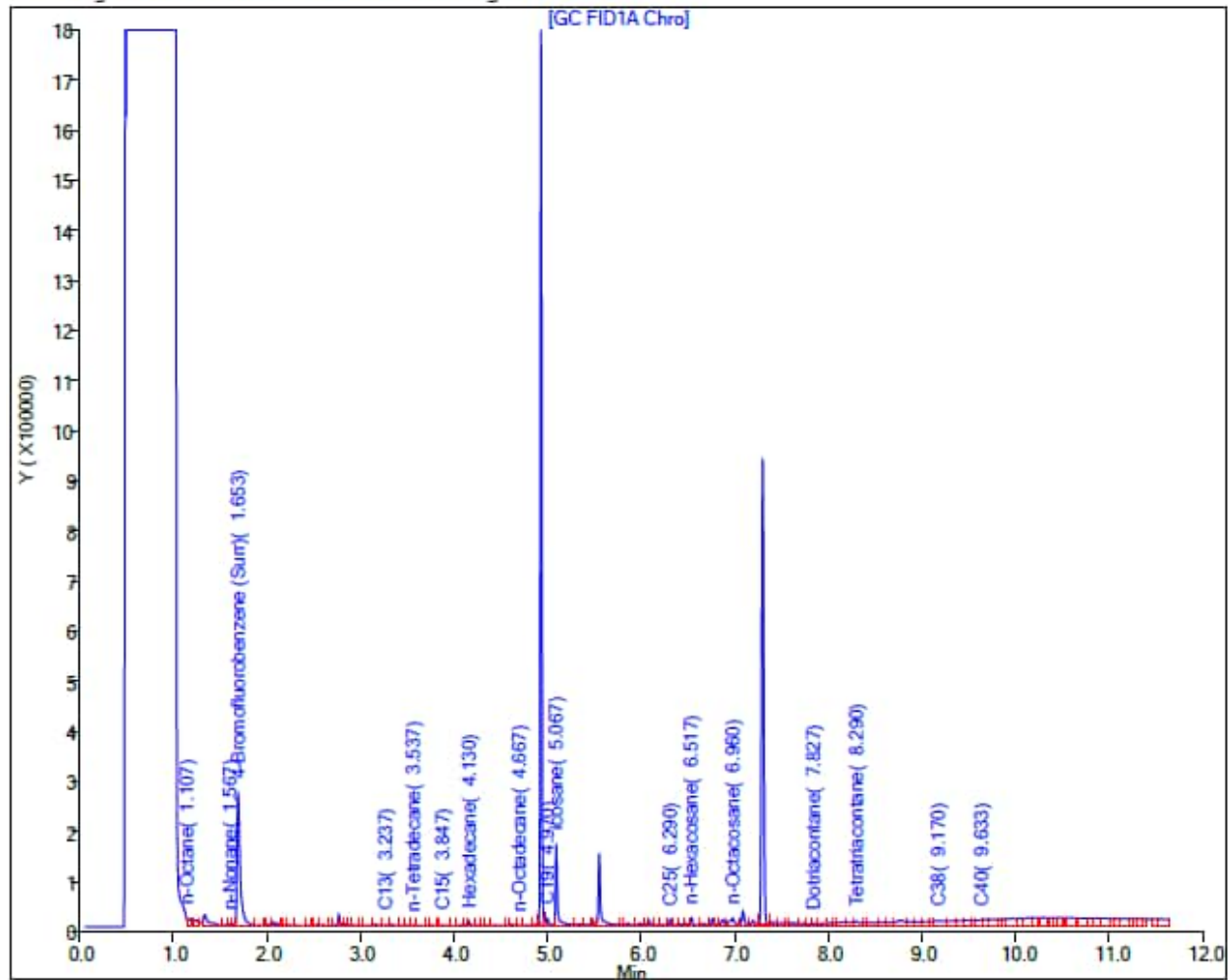
Injection Vol: 1.0 uL

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



No Silica Gel Cleanup performed.

Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2303WK3 Sample Date: 3/23/2023

Lab: Eurofins Seattle

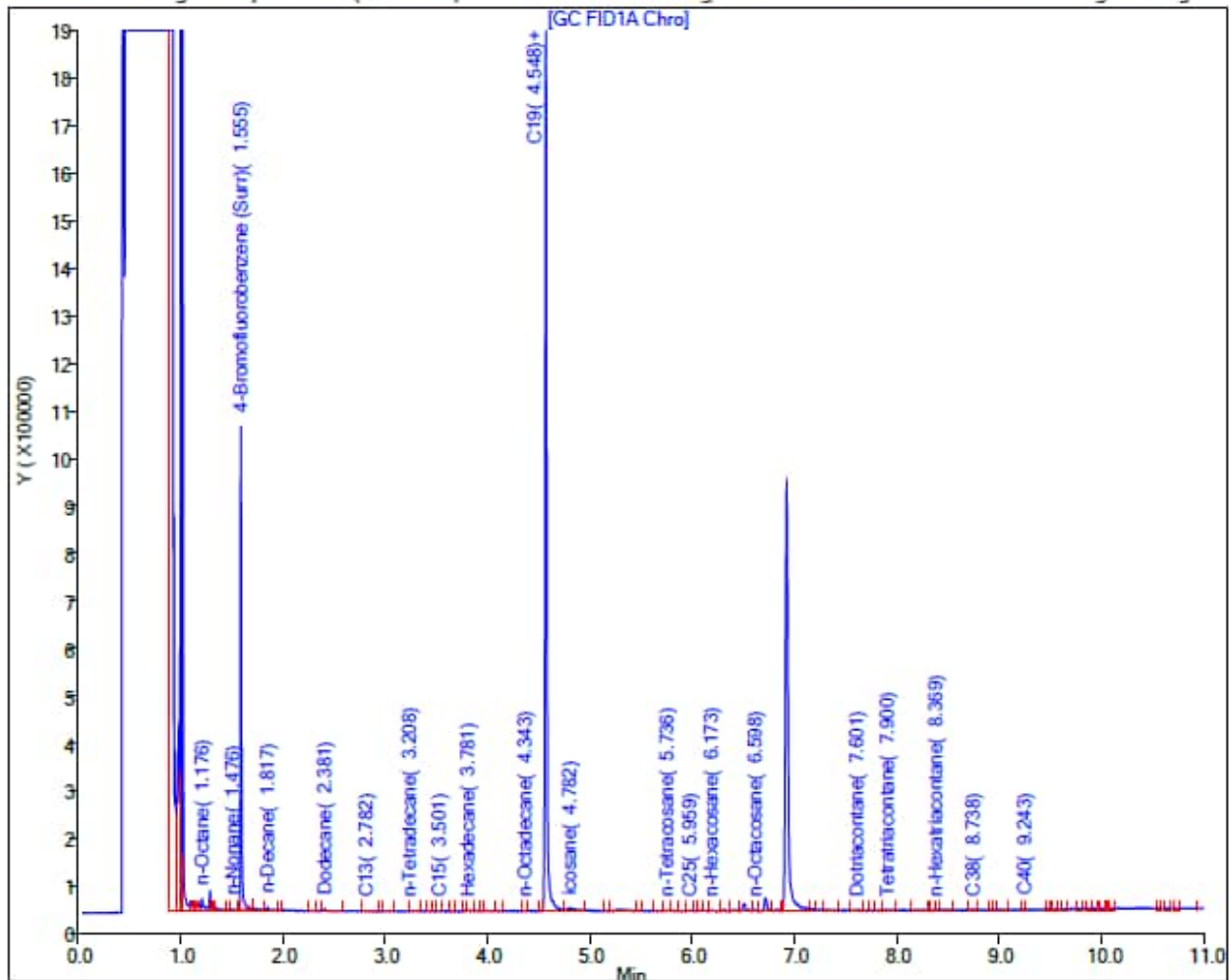
Results (ug/L): TPH-d (C10 to C24) <100 UJ

TPH-o (C24 to C40) <300 U

Report Date: 06-Apr-2023 09:00:49

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230405-87801.b\040523A042.D
Injection Date: 06-Apr-2023 00:21:57 Instrument ID: TAC020
Lims ID: 580-125133-O-1-A Lab Sample ID: 580-125133-1
Client ID: RHMW15-05-WGN01G-2303WK3
Operator ID: KW 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



No Silica Gel Cleanup performed.

Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2303WK4 Sample Date: 3/30/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 07-Apr-2023 09:14:38

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230406-87828.b\040623A032.D

Injection Date: 06-Apr-2023 20:45:16

Instrument ID: TAC020

Lims ID: 580-125401-O-4-A

Lab Sample ID: 580-125401-4

Client ID: RHMW15-05-WGN01G-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 32

Injection Vol: 1.0 ul

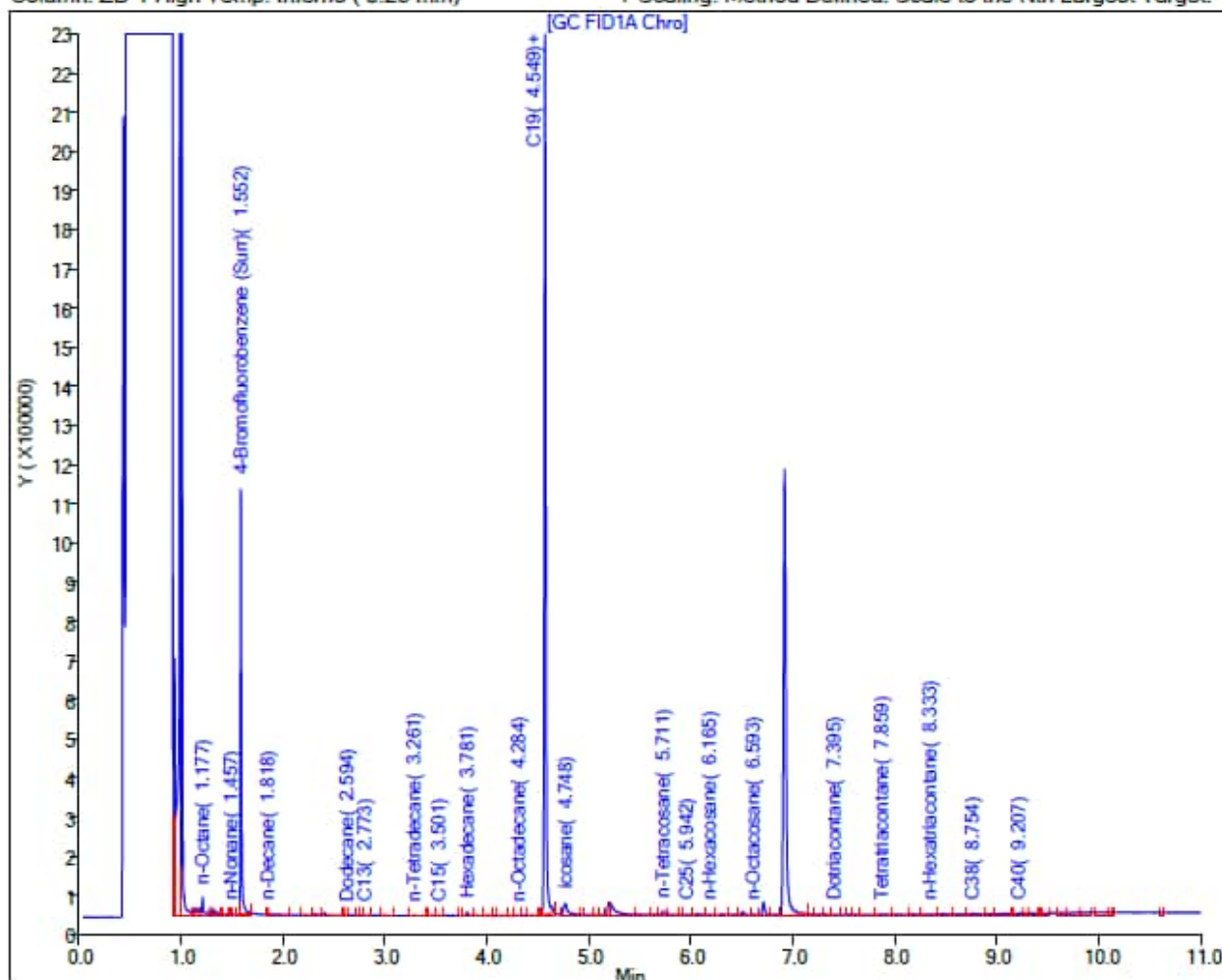
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2304WK1 Sample Date: 4/6/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <83 U

TPH-o (C24 to C40) <250 U

Report Date: 13-Apr-2023 09:25:21

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230412-87914.b\041223A029.D

Injection Date: 12-Apr-2023 19:59:25

Instrument ID: TAC020

Lims ID: 580-125701-O-1-A

Lab Sample ID: 580-125701-1

Client ID: RHMW15-05-WGN01G-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 29

Injection Vol: 1.0 ul

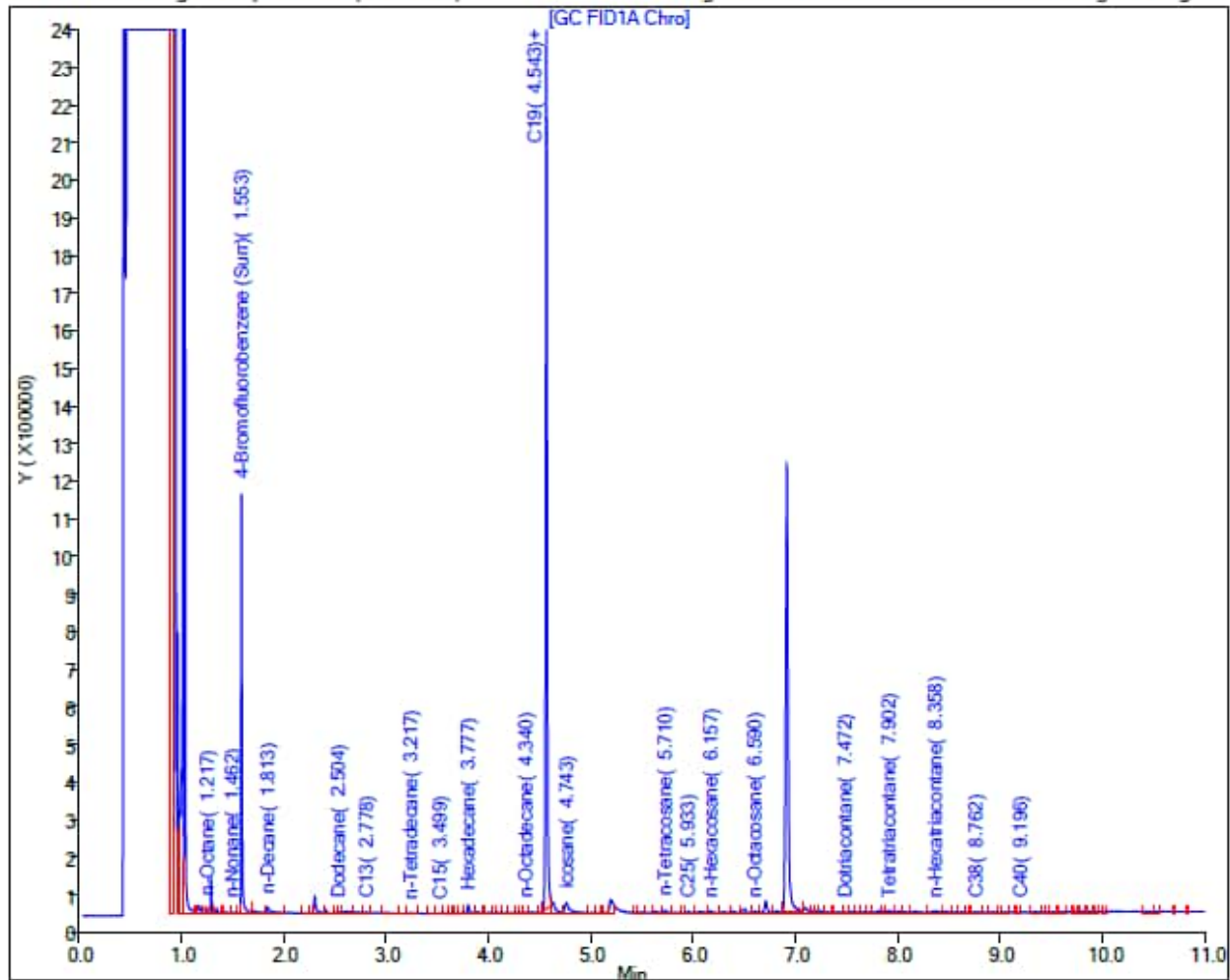
Dil. Factor: 1.0000

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: RHMW15-05 Sample ID: RHMW15-05-WGN01G-2305WK1 Sample Date: 5/4/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 10-May-2023 09:24:54

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC129\20230509-88334.b\050923A010.D

Injection Date: 09-May-2023 17:12:08

Instrument ID: TAC129

Lims ID: 580-126892-O-10-A

Lab Sample ID: 580-126892-10

Client ID: RHMW15-05-WGN01G-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 5

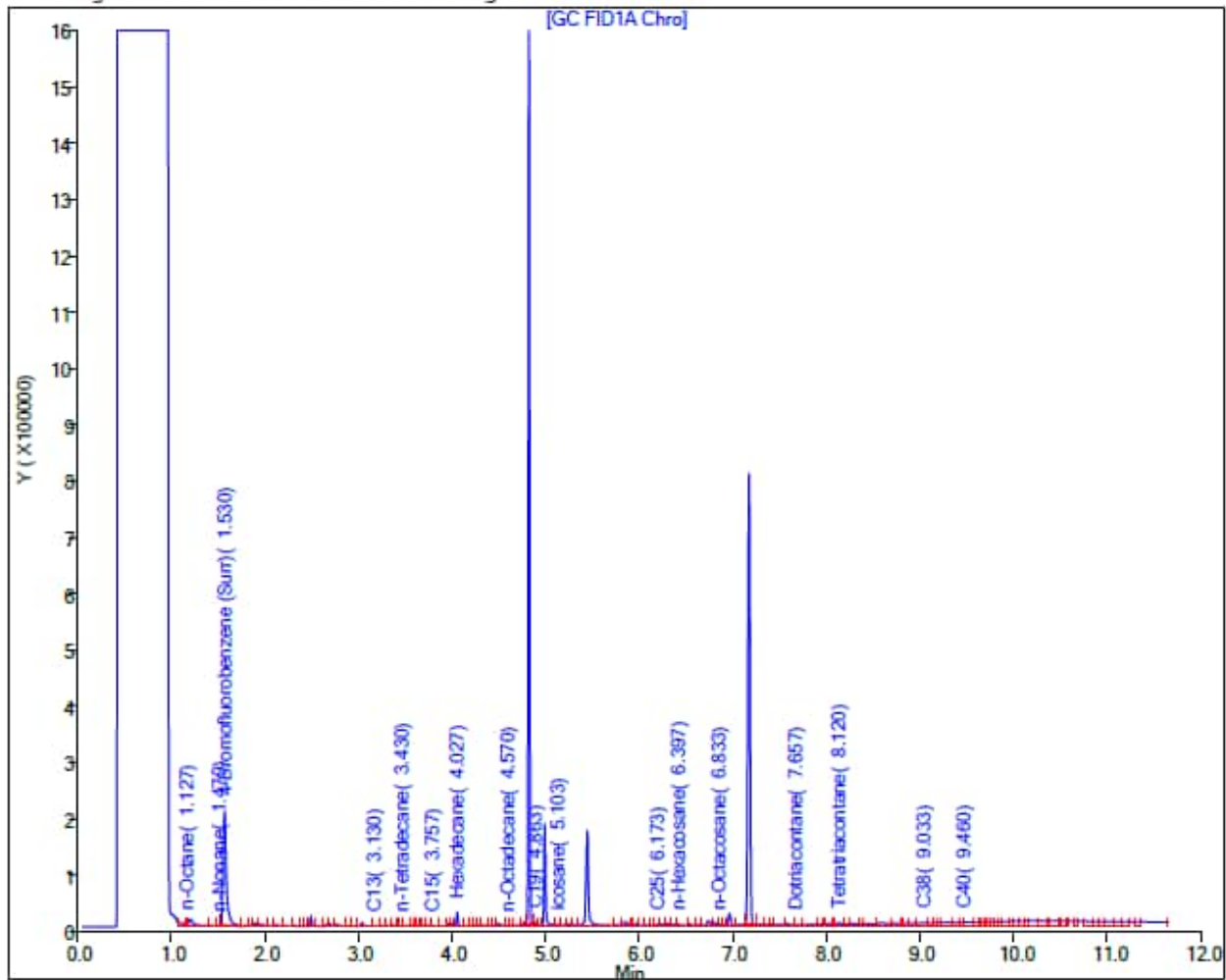
Injection Vol: 1.0 ul

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: **RHMW15-05** Sample ID: RHMW15-05-WGN01G-2305WK2 Sample Date: 5/11/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 17-May-2023 08:17:50

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230516-88437.b\051623A077.D

Injection Date: 16-May-2023 22:58:54

Instrument ID: TAC129_R

Lims ID: 580-127171-N-6-A

Lab Sample ID: 580-127171-6

Client ID: RHMW15-05-WGN01G-2305WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 39

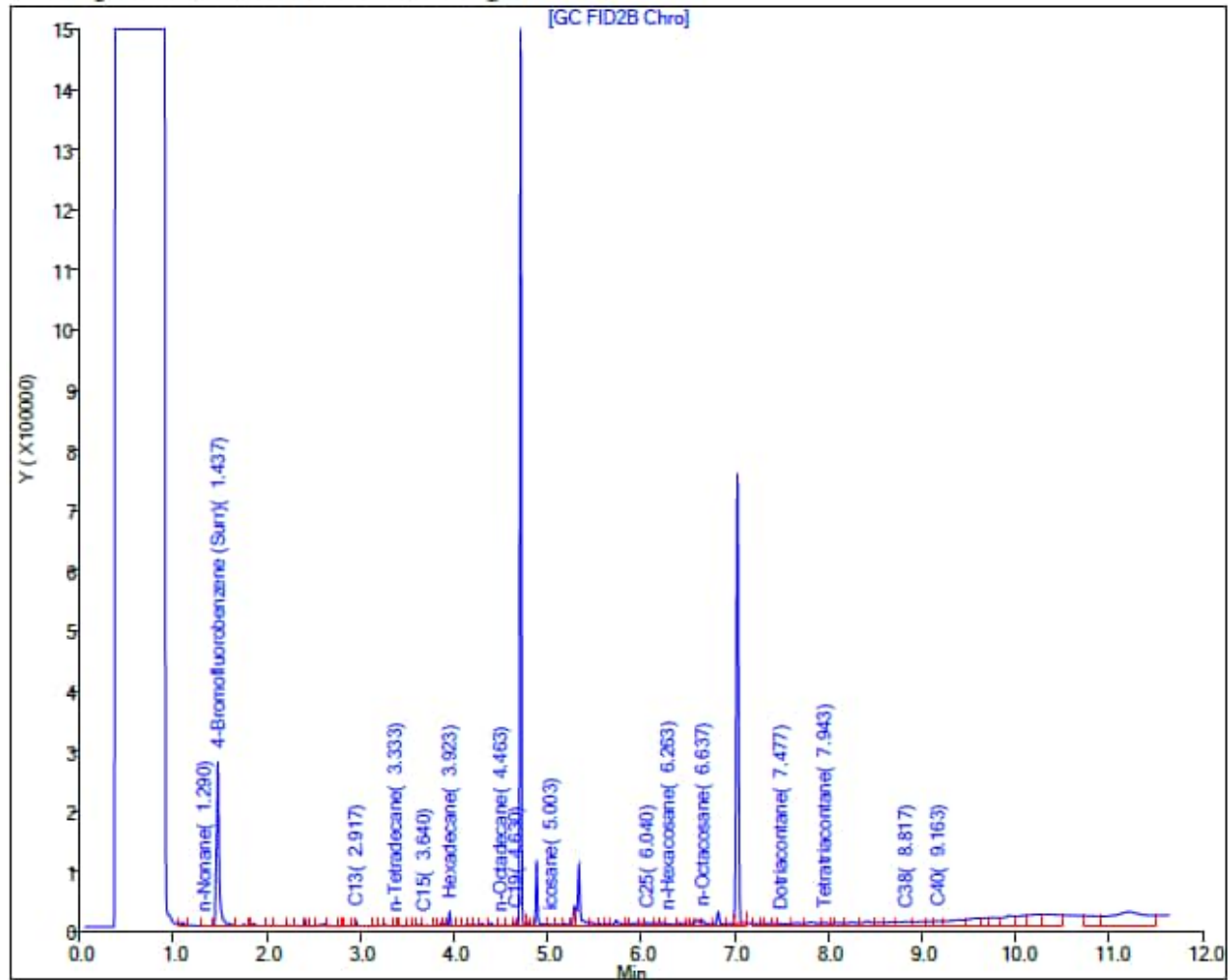
Injection Vol: 1.0 ul

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



No Silica Gel Cleanup performed.

Location: **RHMW16** Sample ID: RHMW16-WGN01LF-2302WK3 Sample Date: 2/21/2023

Lab: Eurofins Seattle

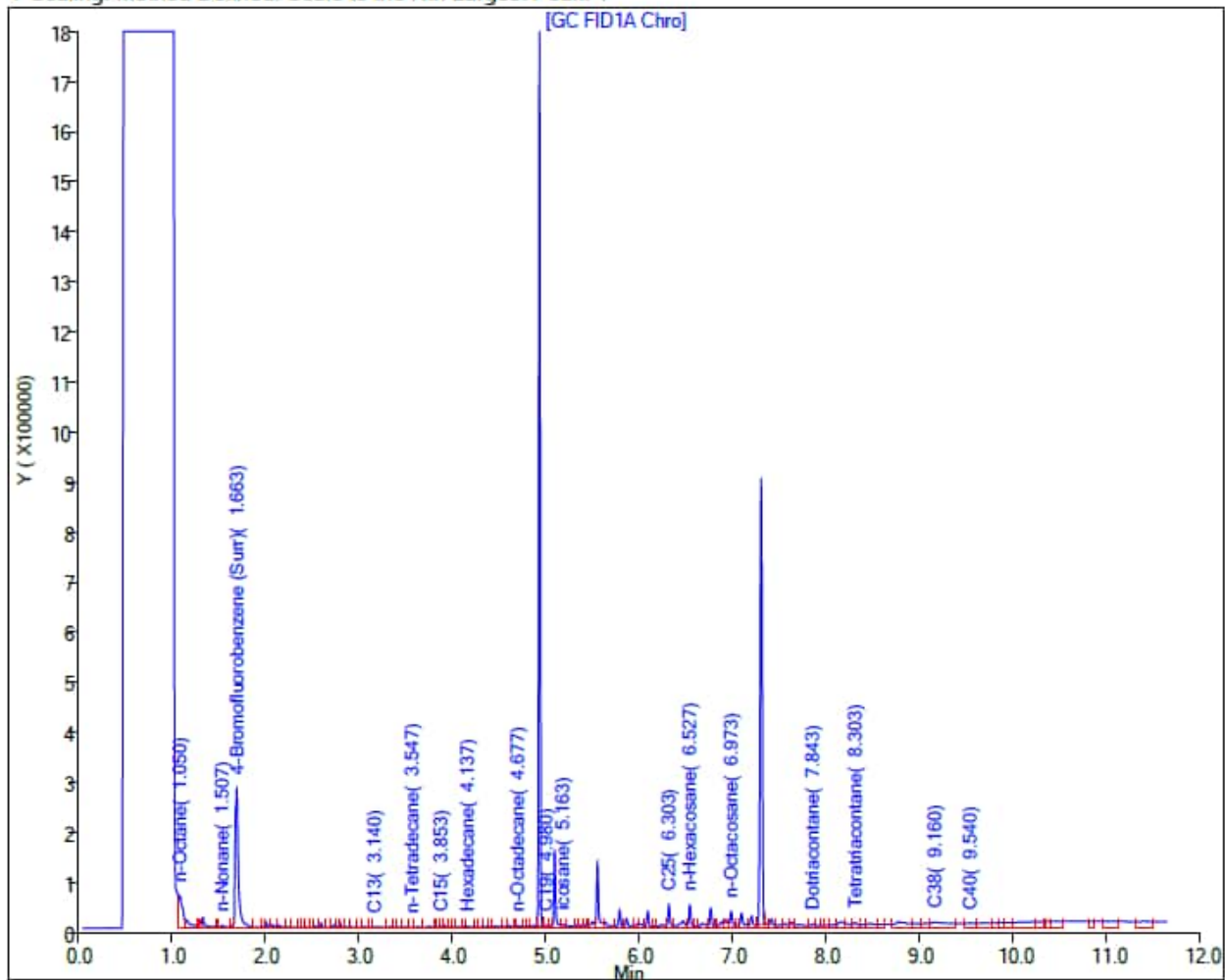
Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 28-Feb-2023 10:01:32

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230227-87261.b\022723A036.D
Injection Date: 27-Feb-2023 23:08:04 Instrument ID: TAC129
Lims ID: 580-123910-O-7-A Lab Sample ID: 580-123910-7
Client ID: RHMW16-WGN01LF-2302WK3
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: **RHMW16** Sample ID: RHMW16-WGN01LF-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 11:48:23

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230306-87363.b\030623A036.D

Injection Date: 06-Mar-2023 17:45:54

Instrument ID: TAC129

Lims ID: 580-124109-N-1-A

Lab Sample ID: 580-124109-1

Client ID: RHMW16-WGN01LF-2302WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 12

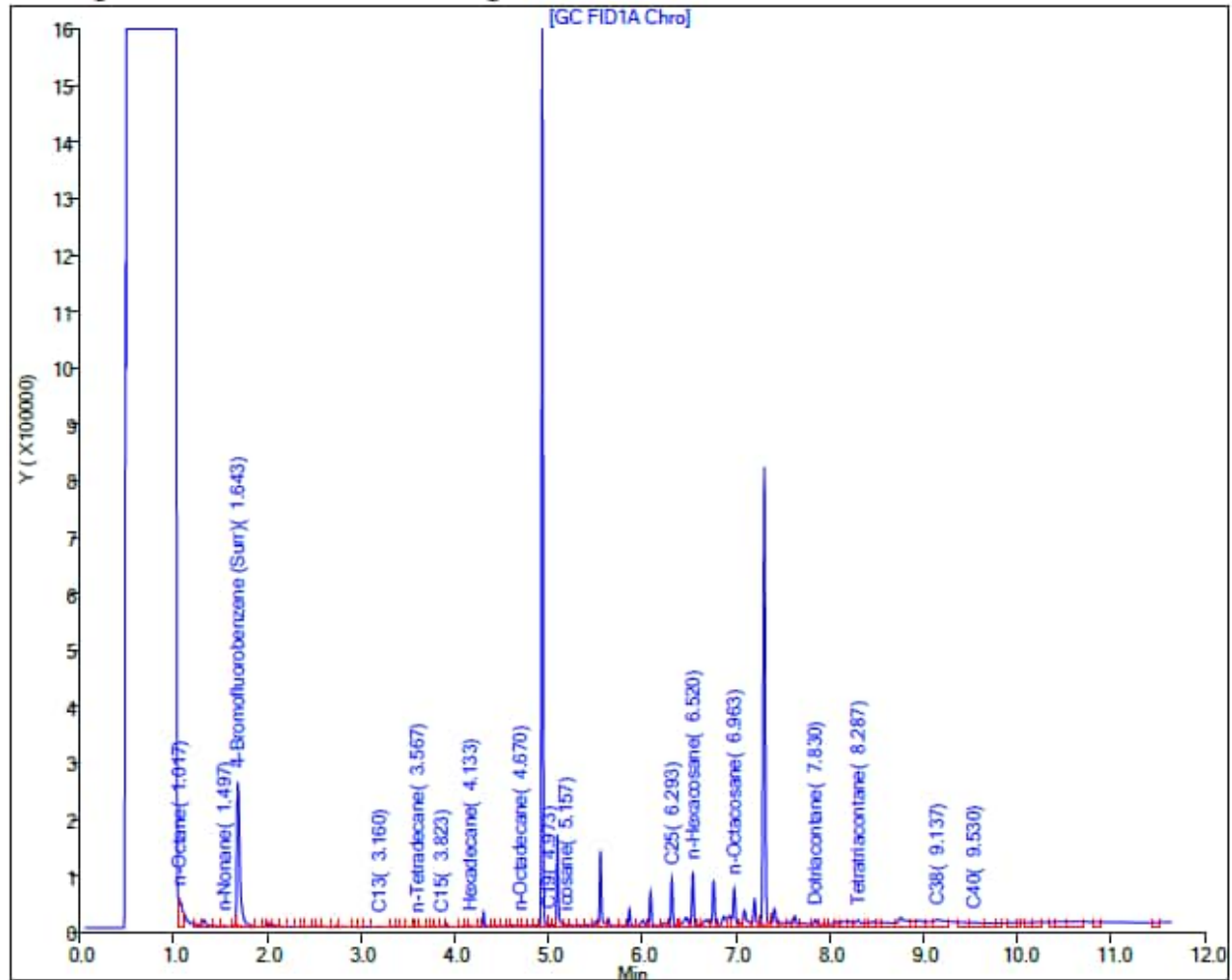
Injection Vol: 1.0 uL

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



No Silica Gel Cleanup performed.

Location: **RHMW16** Sample ID: RHMW16-WGN01LF-2303WK1 Sample Date: 3/6/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <82 U**

TPH-o (C24 to C40) <250 U

Report Date: 13-Mar-2023 11:32:37

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87455.b\031023B028.D

Injection Date: 10-Mar-2023 23:17:57

Instrument ID: TAC129

Lims ID: 580-124423-O-7-A

Lab Sample ID: 580-124423-7

Client ID: RHMW16-WGN01LF-2303WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 14

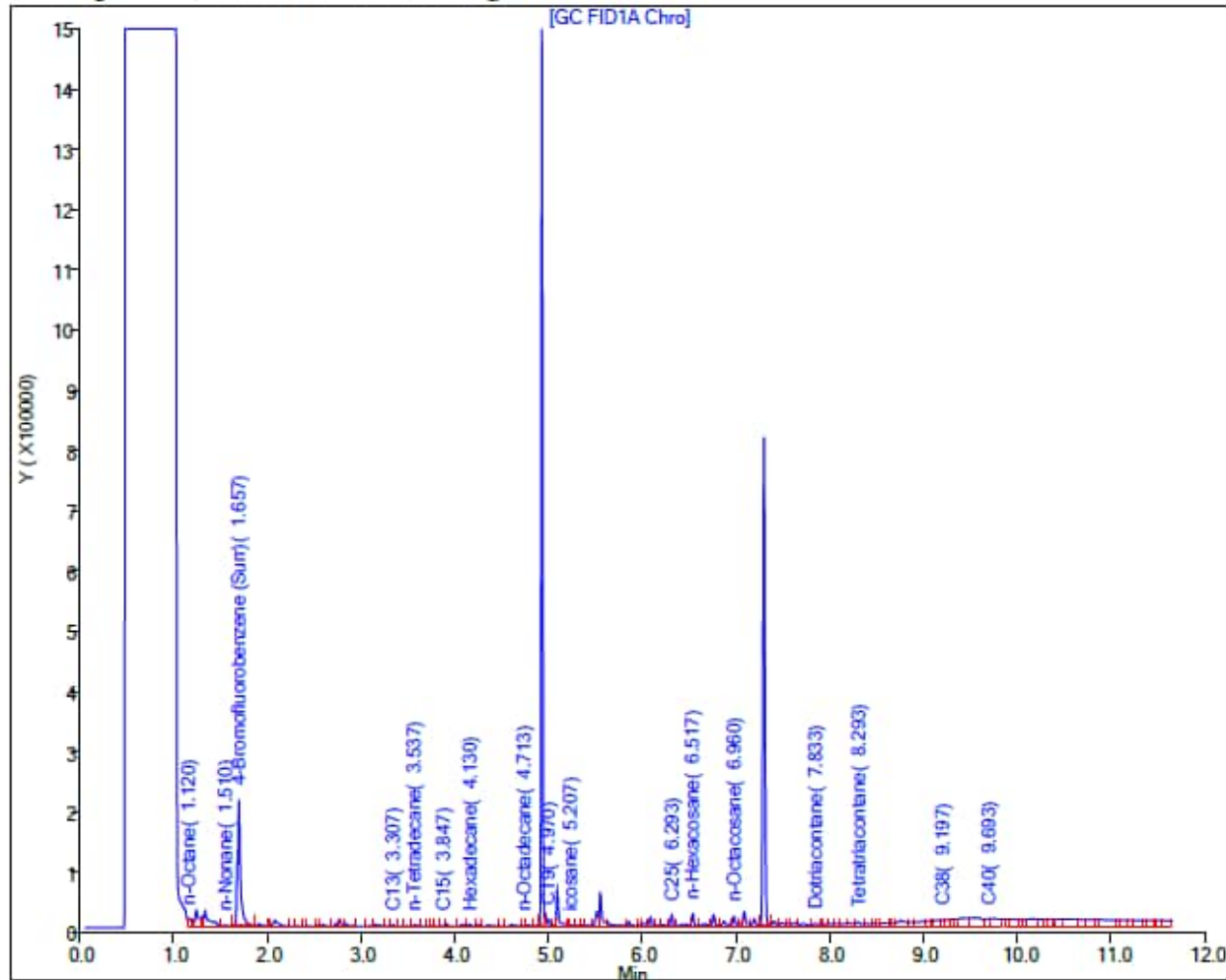
Injection Vol: 1.0 uL

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-2303WK2 Sample Date: 3/13/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 20-Mar-2023 08:25:33

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC020\20230317-87552.b\031723B031.D

Injection Date: 17-Mar-2023 21:33:36

Instrument ID: TAC020

Lims ID: 580-124744-O-7-A

Lab Sample ID: 580-124744-7

Client ID: RHMW16-WGN01LF-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 31

Injection Vol: 1.0 ul

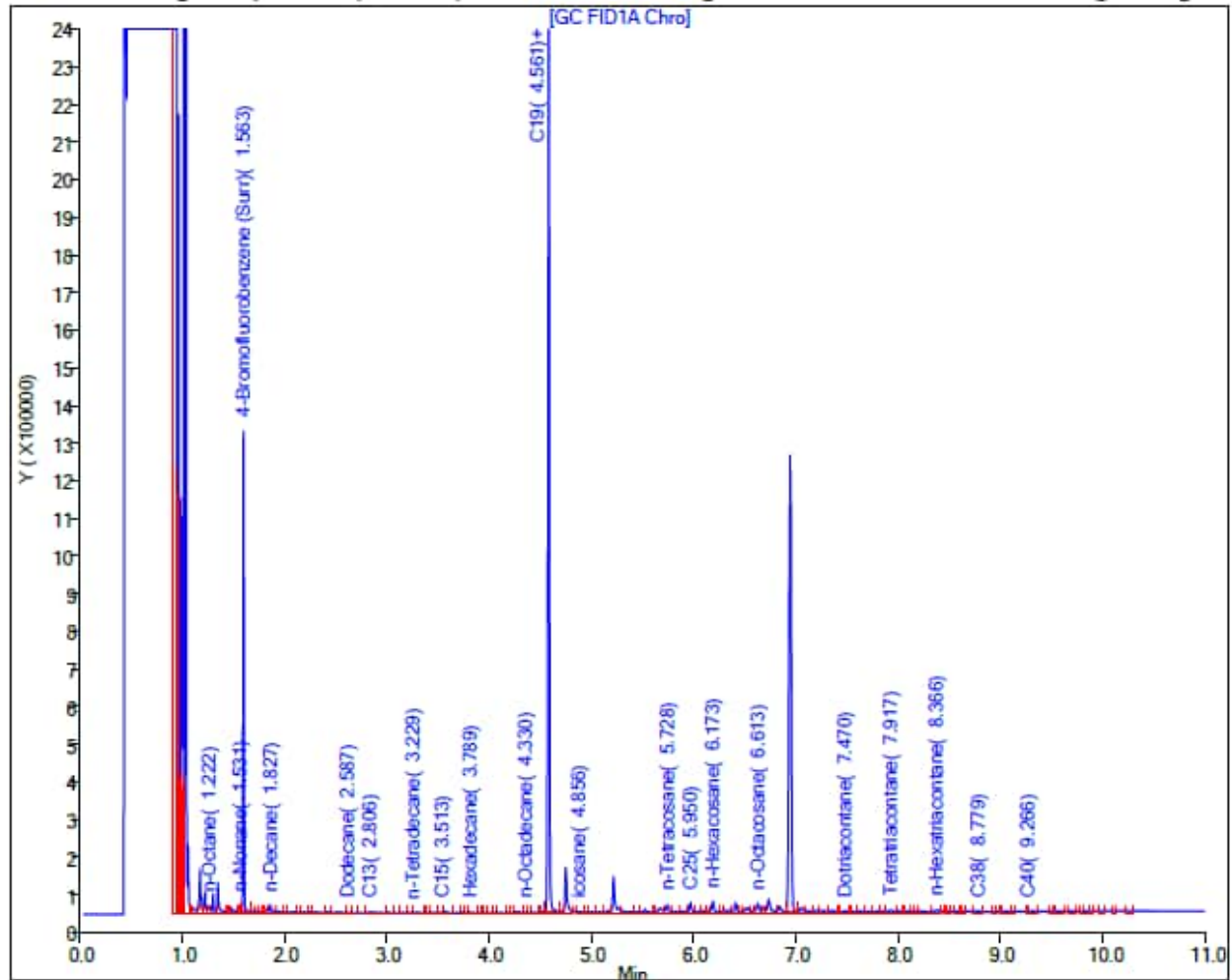
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: RHMW16 Sample ID: RHMW16-WGN01LF-2303WK3 Sample Date: 3/20/2023

Lab: Energy

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <300 U

Report Date: 28-Mar-2023 09:01:14

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A044.D

Injection Date: 28-Mar-2023 02:07:08

Instrument ID: TAC020

Lims ID: 580-124962-N-6-A

Lab Sample ID: 580-124962-6

Client ID: RHMW16-WGN01LF-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 44

Injection Vol: 1.0 ul

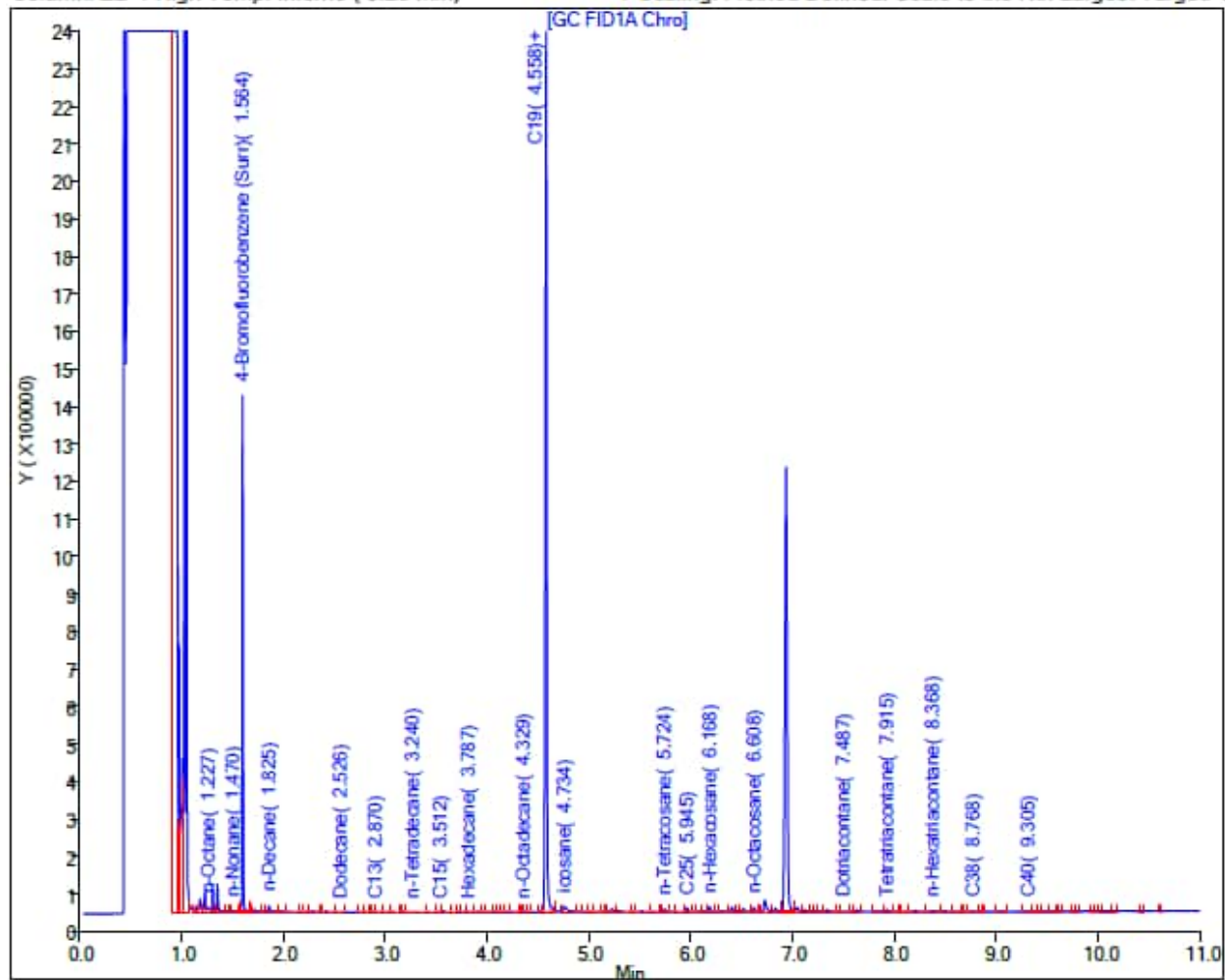
Dil. Factor: 1.0000

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: RHMW16 Sample ID: RHMW16-WGN01LF-2304WK1 Sample Date: 4/3/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 10-Apr-2023 10:40:50

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230407-87849.b\040723A018.D

Injection Date: 07-Apr-2023 17:15:31

Instrument ID: TAC020

Lims ID: 580-125491-O-1-A

Lab Sample ID: 580-125491-1

Client ID: RHMW16-WGN01LF-2304WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 18

Injection Vol: 1.0 ul

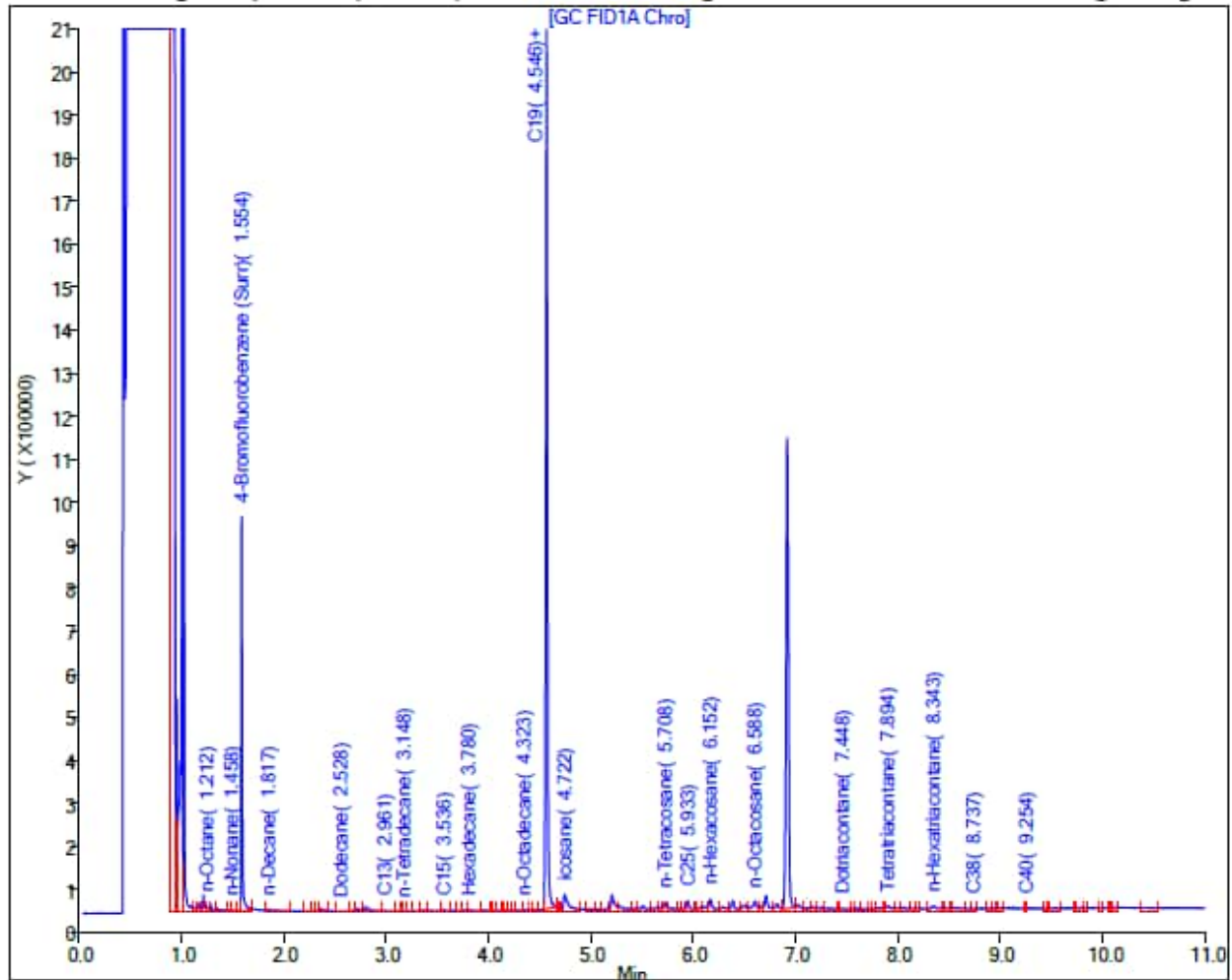
Dil. Factor: 1.0000

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: **RHMW16** Sample ID: RHMW16-WGN01LF-2304WK4 Sample Date: 4/24/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 27-Apr-2023 09:15:56

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: Eurofins Seattle

Injection Date: 26-Apr-2023 22:49:56 Instrument ID: TAC129_R

Lims ID: 580-126423-O-5-A

Lab Sample ID: 580-126423-5

Client ID: RHMW16-WGN01LF-2304WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 16

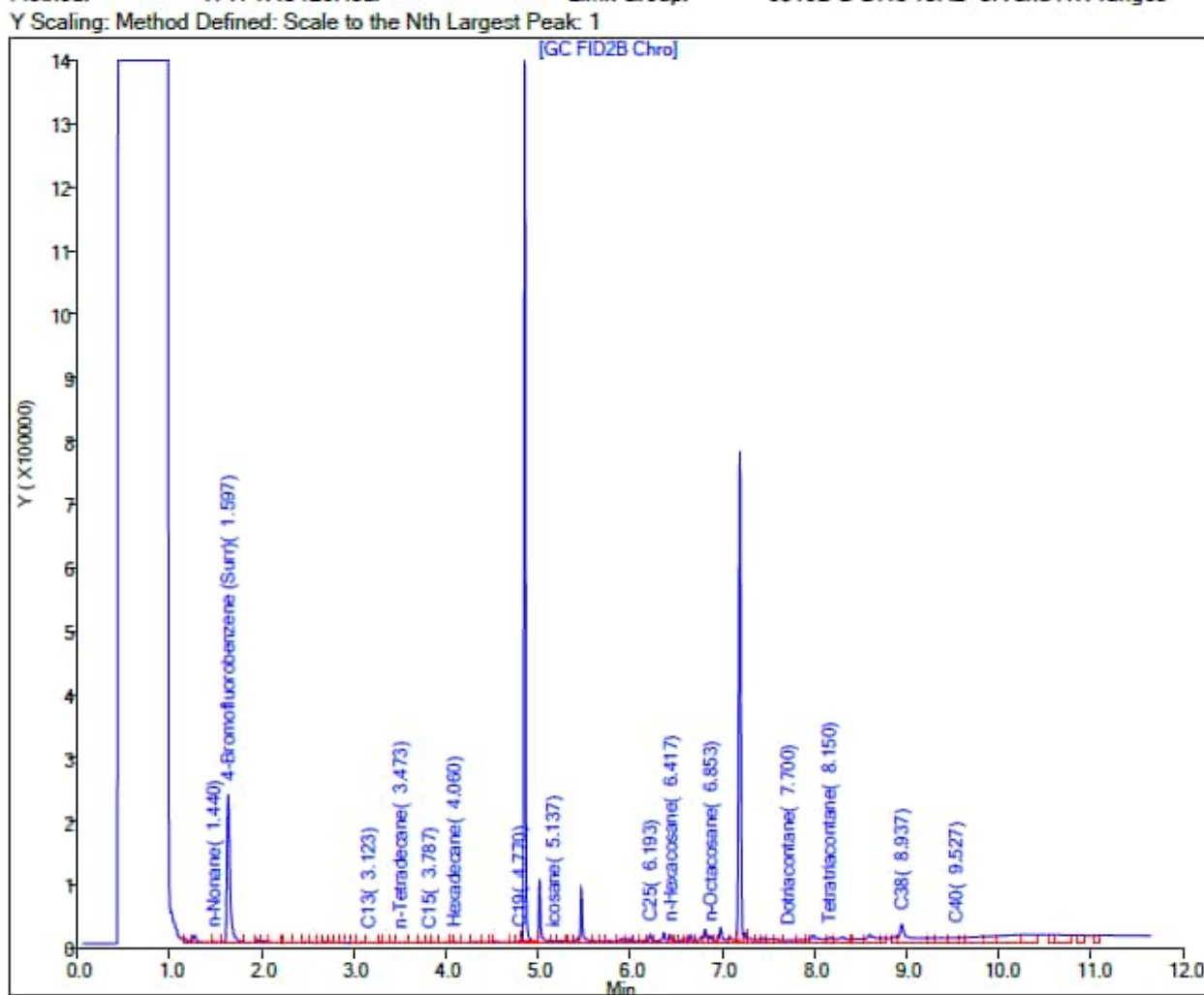
Injection Vol: 1.0 ul

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: **RHMW16** Sample ID: RHMW16-WGN01LF-2305WK1 Sample Date: 5/1/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 09-May-2023 08:20:00

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: Eurofins Seattle

Injection Date: 09-May-2023 00:08:52 Instrument ID: TAC129

Lims ID: 580-126703-O-9-A

Lab Sample ID: 580-126703-9

Client ID: RHMW16-WGN01LF-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 44

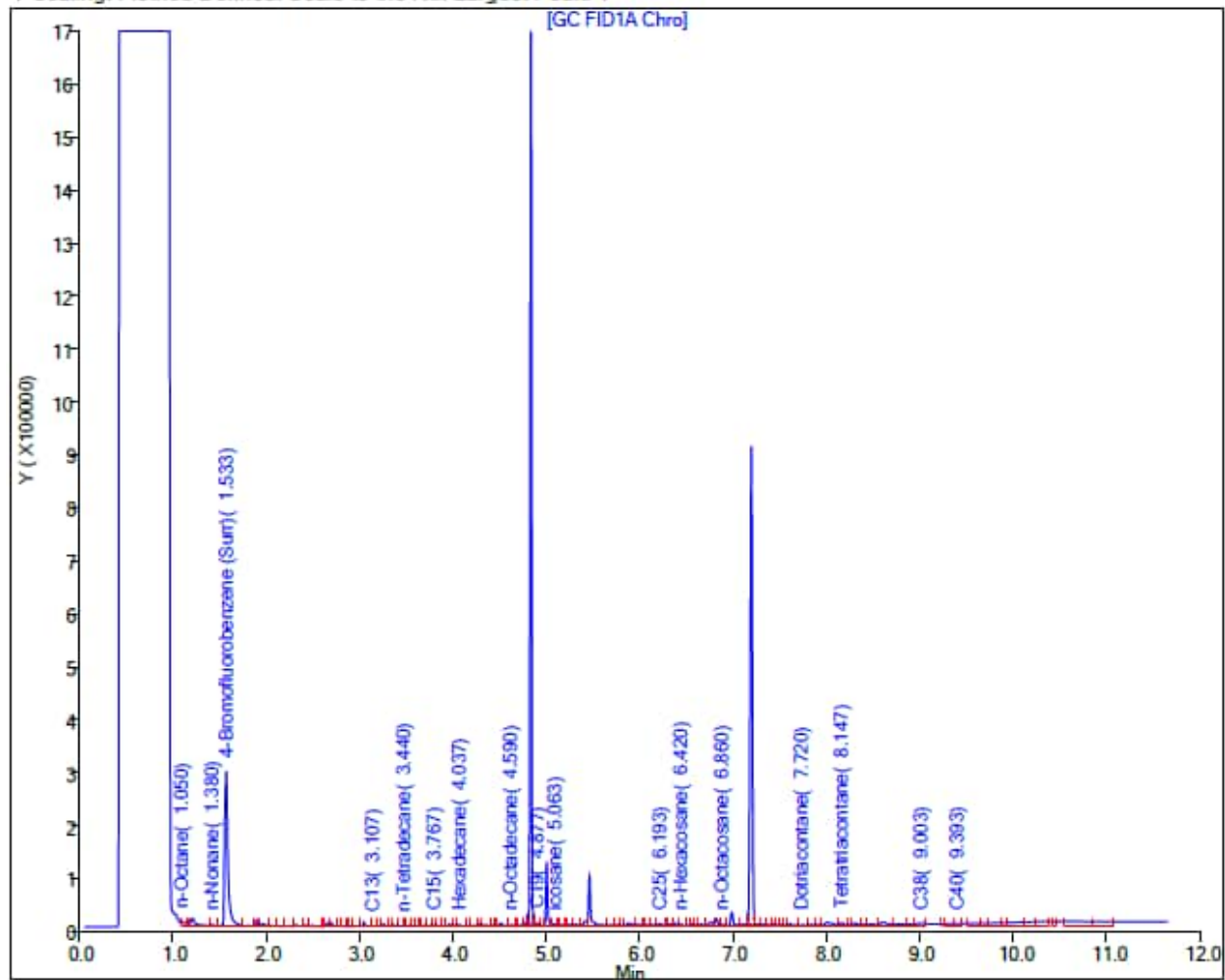
Injection Vol: 1.0 ul

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: RHMW17 Sample ID: RHMW17-WGN01B-2303WK1 Sample Date: 3/9/2023

Lab: Eurofins Seattle

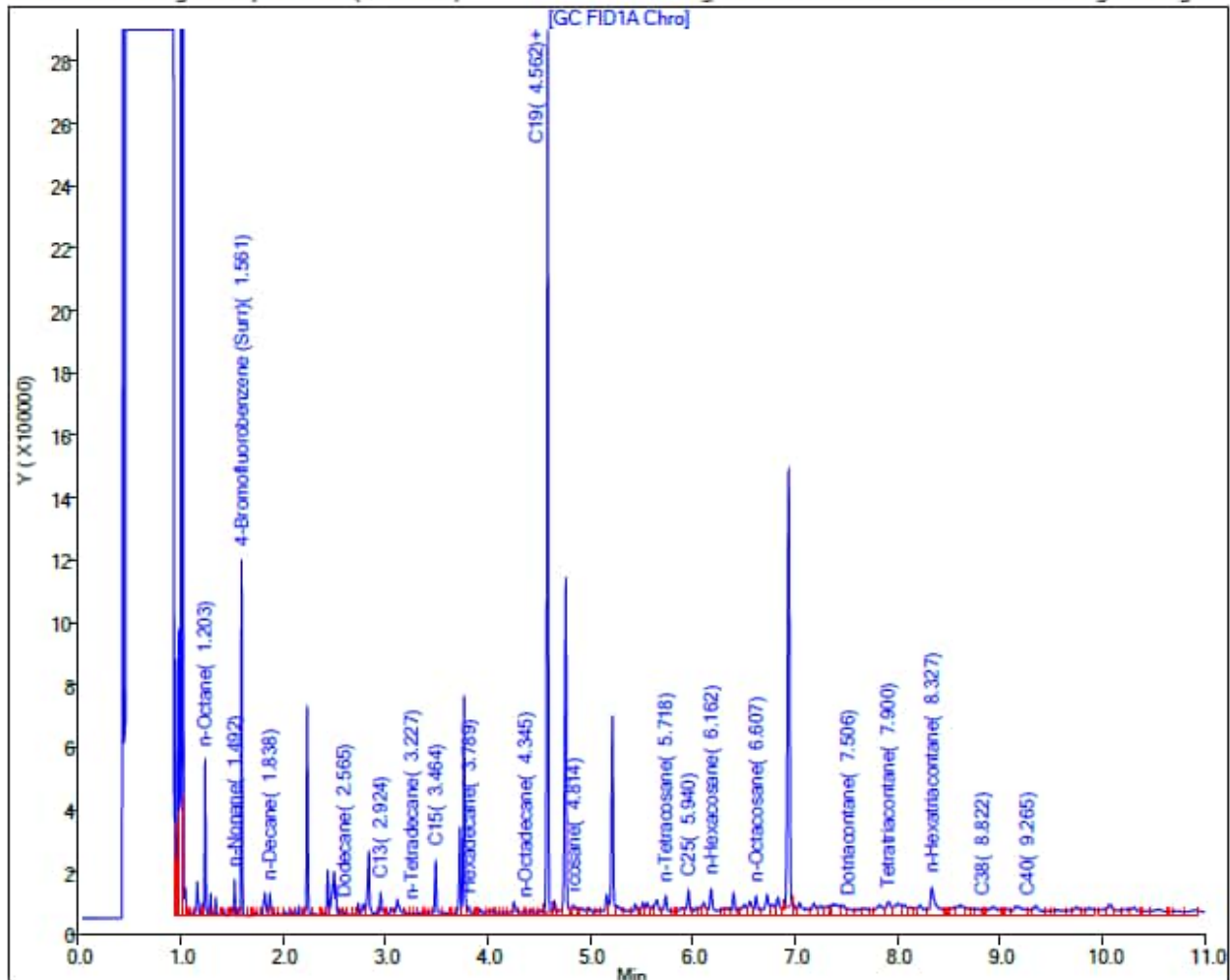
Results (ug/L): TPH-d (C10 to C24) 250

TPH-o (C24 to C40) <240 J

Report Date: 17-Mar-2023 08:52:35

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230316-87522.b\031623A022.D
Injection Date: 16-Mar-2023 17:14:39 Instrument ID: TAC020
Lims ID: 580-124556-O-8-A Lab Sample ID: 580-124556-8
Client ID: RHMW17-WGN01B-2303WK1
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



Results (ug/L): TPH-d SGC (C10 to C24) 62 J

TPH-o SGC (C24 to C40) <250 U

Report Date: 27-Mar-2023 12:01:30

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230324-87656.b\032423A031.D

Injection Date: 24-Mar-2023 20:04:51 Instrument ID: TAC020

Lims ID: 580-124556-O-8-C Lab Sample ID: 580-124556-8

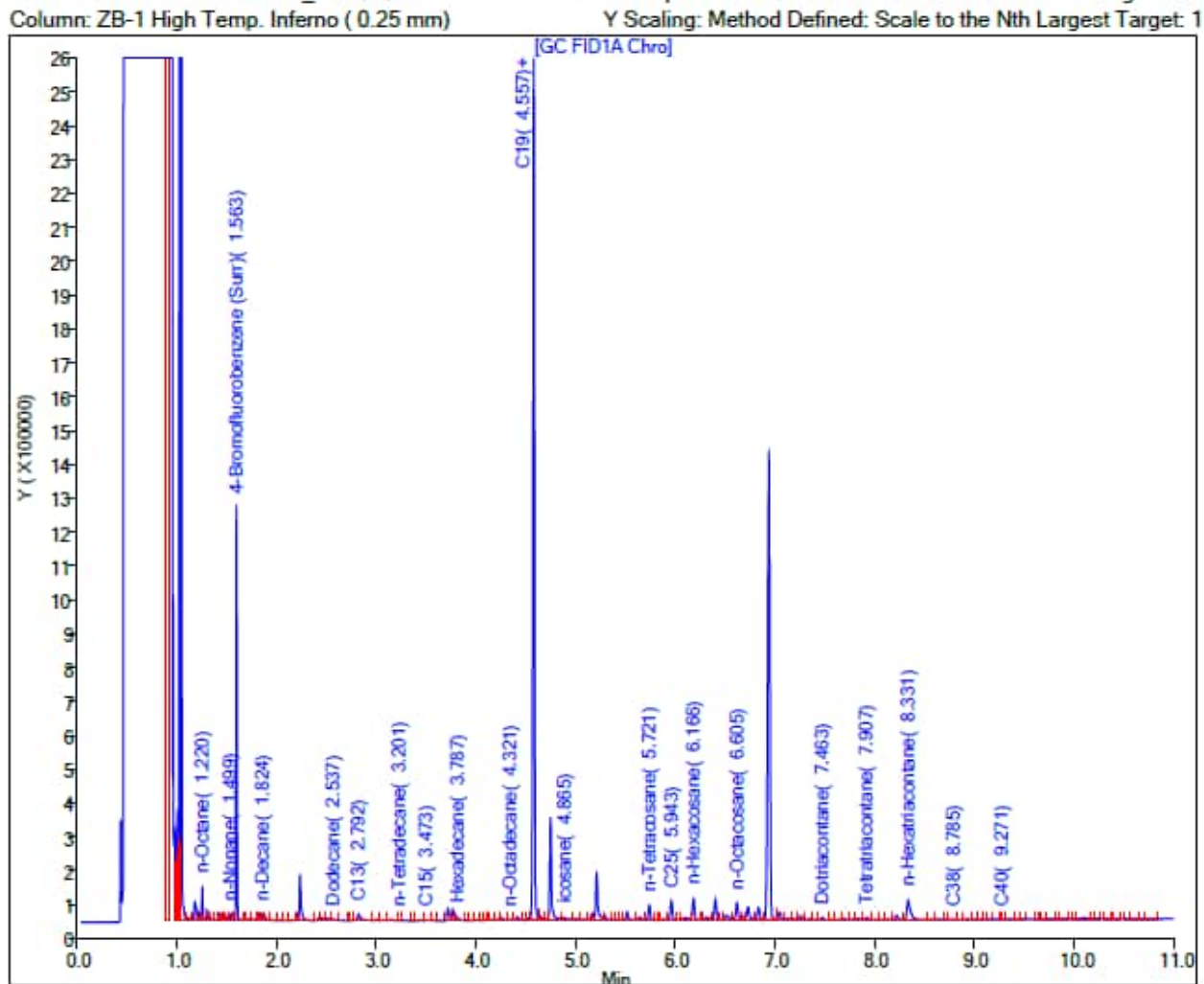
Client ID: RHMW17-WGN01B-2303WK1

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



Location: RHMW17 Sample ID: RHMW17-WGN01B-2303WK2 Sample Date: 3/16/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <85 UJ

TPH-o (C24 to C40) <260 U

Report Date: 30-Mar-2023 10:59:20

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230329-87710.b\032923A041.D

Injection Date: 29-Mar-2023 22:44:04

Instrument ID: TAC020

Lims ID: 580-124907-N-1-A

Lab Sample ID: 580-124907-1

Client ID: RHMW17-WGN01B-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 40

Injection Vol: 1.0 ul

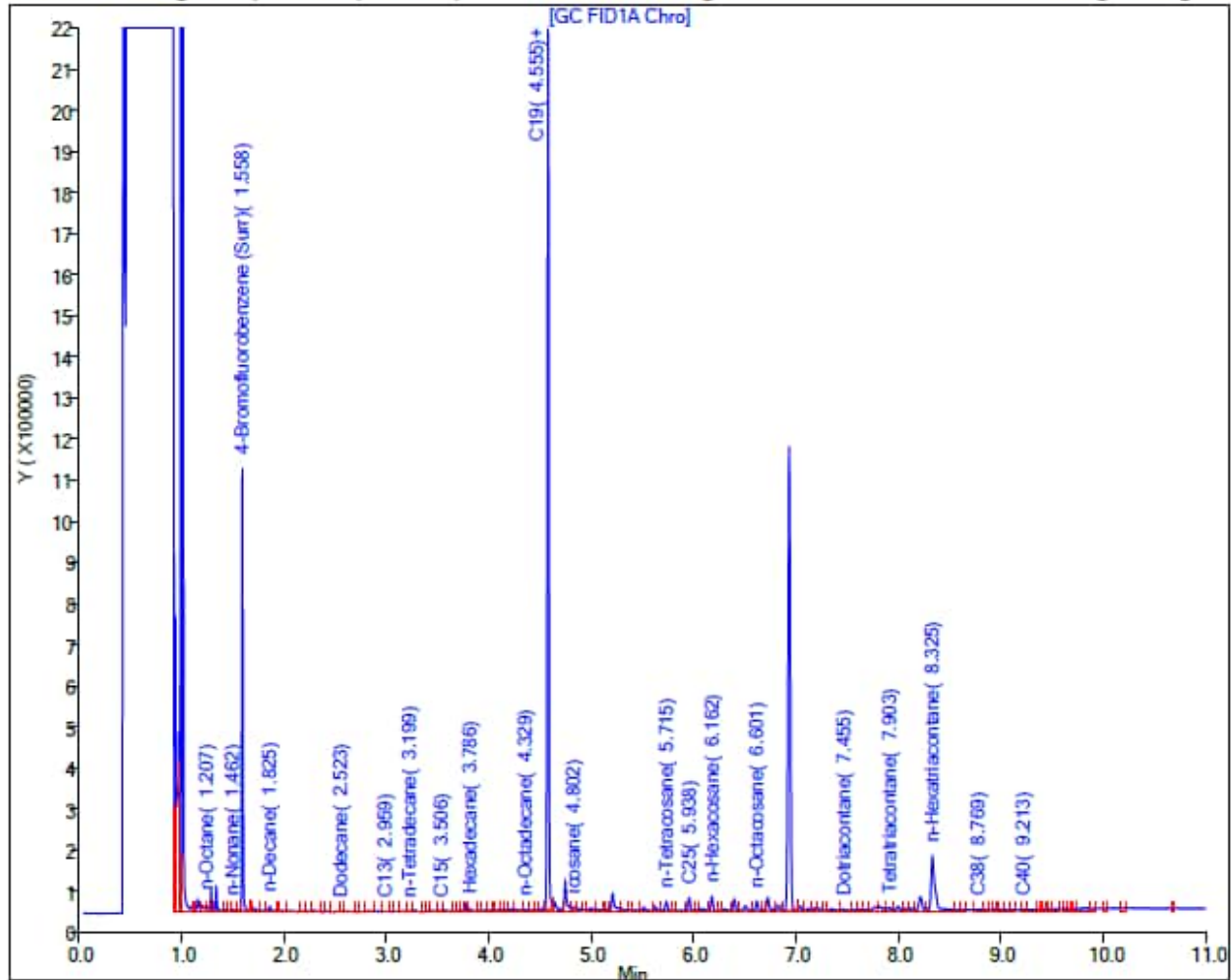
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **RHMW17** Sample ID: RHMW17-WGN01B-2303WK3 Sample Date: 3/23/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 03-Apr-2023 10:39:13

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 01-Apr-2023 03:37:41

Instrument ID: TAC020

Lims ID: 580-125133-O-3-A

Lab Sample ID: 580-125133-3

Client ID: RHMW17-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 44

Injection Vol: 1.0 ul

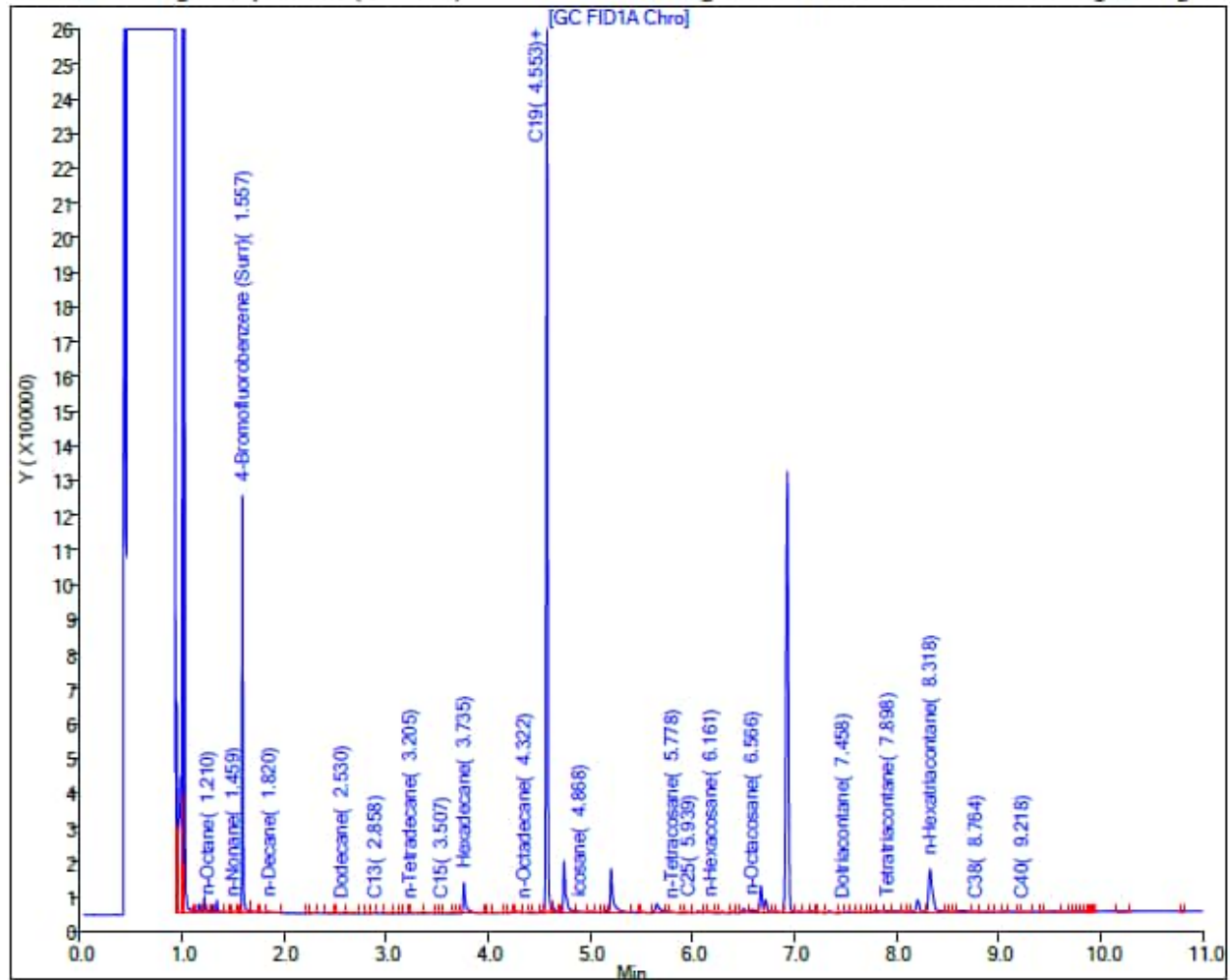
Dil. Factor: 1.0000

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: **RHMW17** Sample ID: RHMW17-WGN01B-2303WK4 Sample Date: 3/30/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 07-Apr-2023 09:14:46

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230406-87828.b\040623A034.D

Injection Date: 06-Apr-2023 21:25:40

Instrument ID: TAC020

Lims ID: 580-125401-N-8-A

Lab Sample ID: 580-125401-8

Client ID: RHMW17-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 34

Injection Vol: 1.0 ul

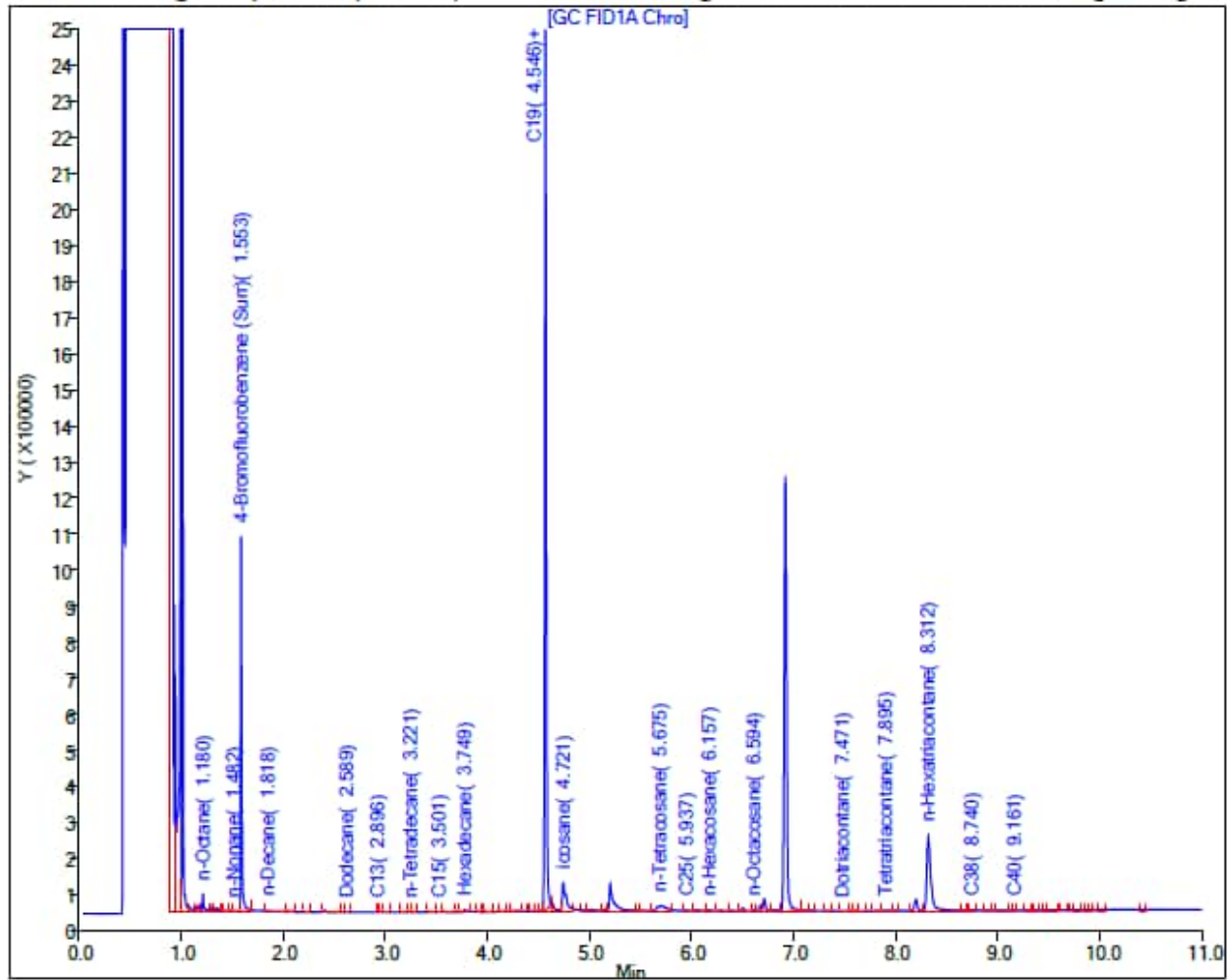
Dil. Factor: 1.0000

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: RHMW17 Sample ID: RHMW17-WGN01B-2304WK1 Sample Date: 4/6/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) 79 J

TPH-o (C24 to C40) <320 U

Report Date: 13-Apr-2023 09:25:01

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230412-87914.b\041223A026.D

Injection Date: 12-Apr-2023 18:58:51

Instrument ID: TAC020

Lims ID: 580-125737-O-3-A

Lab Sample ID: 580-125737-3

Client ID: RHMW17-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul

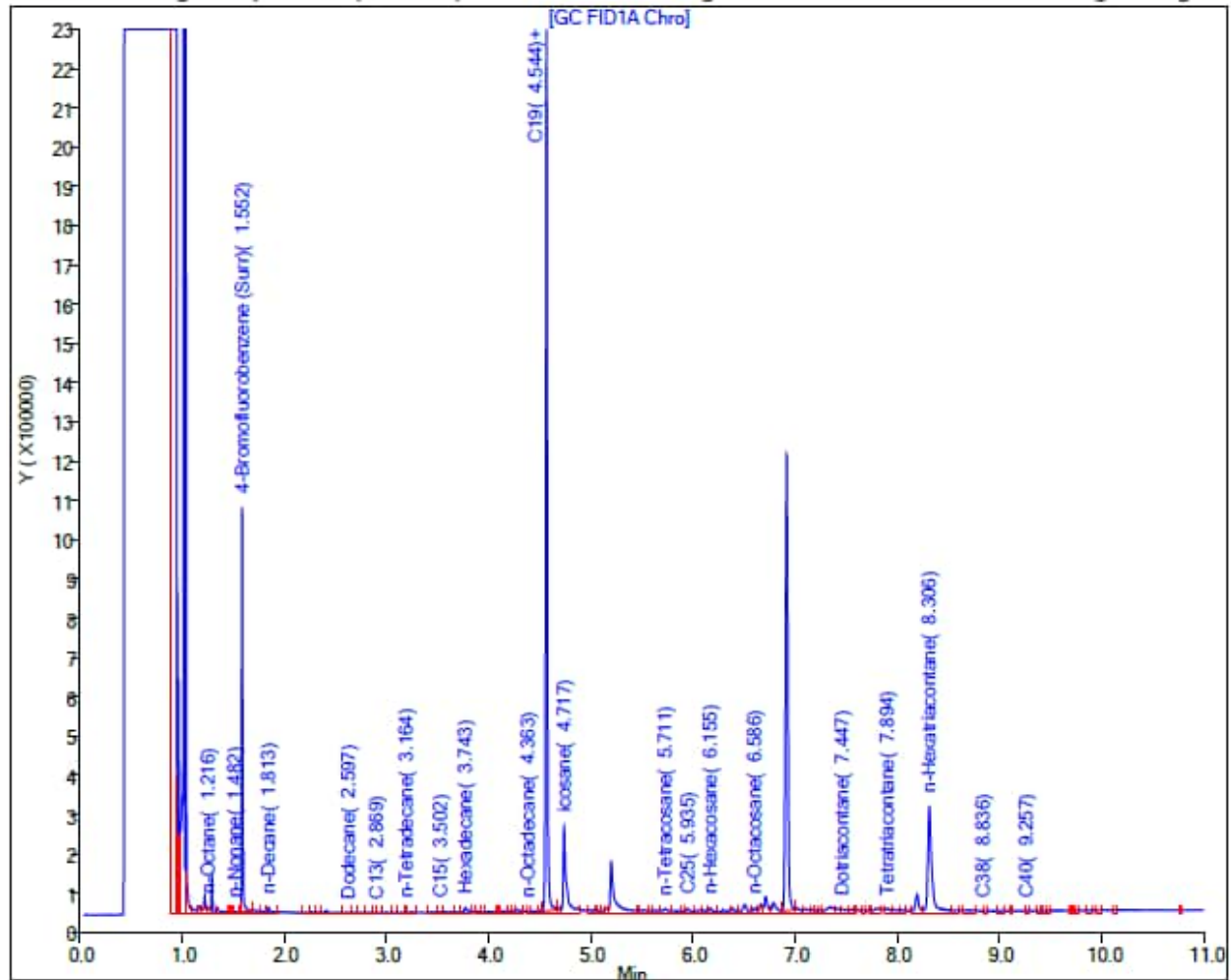
Dil. Factor: 1.0000

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



Results (ug/L): TPH-d SGC (C10 to C24) <110 U

TPH-o SGC (C24 to C40) <320 U

Report Date: 18-Apr-2023 09:18:24

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230417-87981.b\041723A012.D

Injection Date: 17-Apr-2023 17:27:11

Instrument ID: TAC020

Lims ID: 580-125737-O-3-B

Lab Sample ID: 580-125737-3

Client ID: RHMW17-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 12

Injection Vol: 1.0 ul

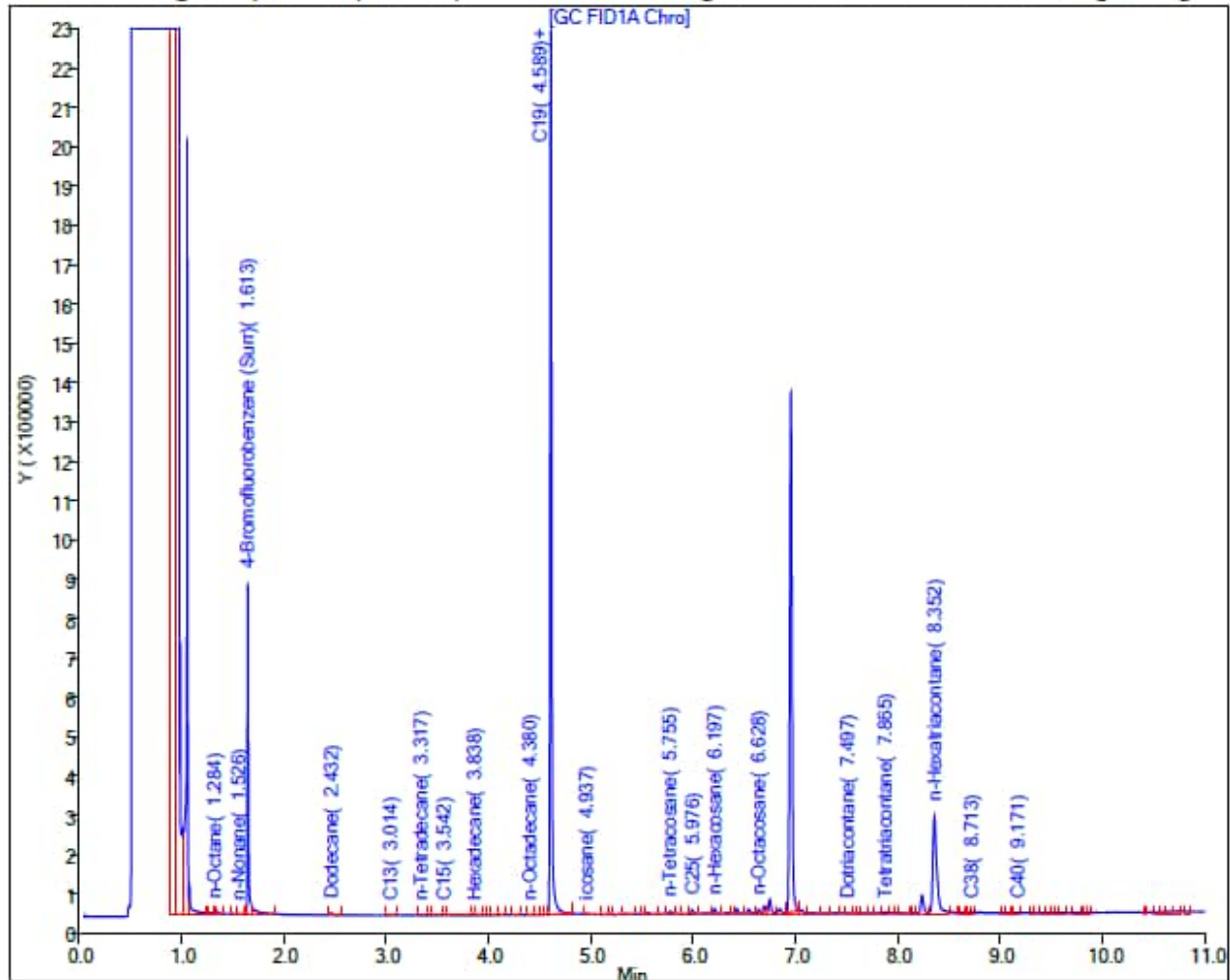
Dil. Factor: 1.0000

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: **RHMW17** Sample ID: RHMW17-WGN01B-2305WK1 Sample Date: 5/4/2023

Lab: Eurofins Seattle

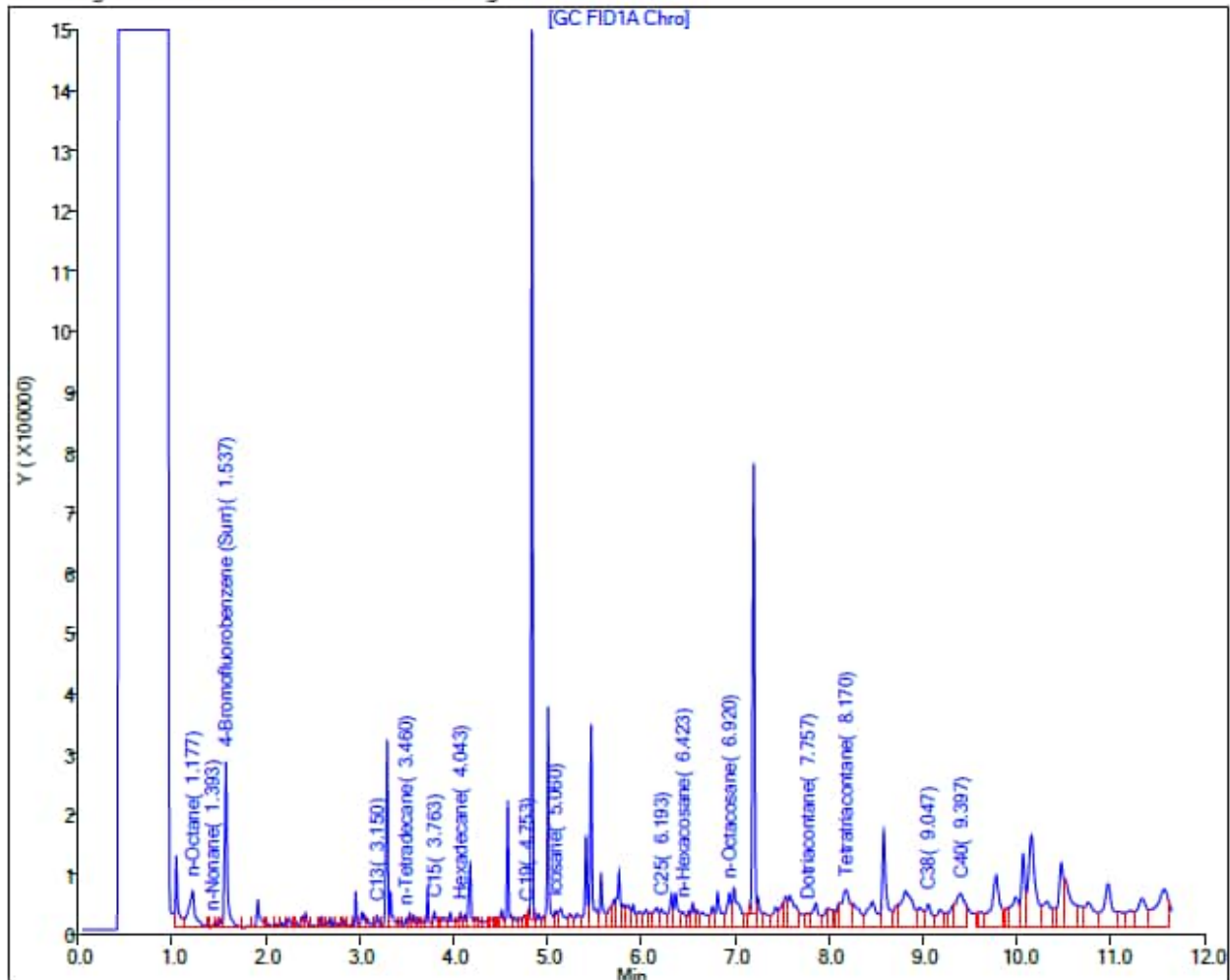
Results (ug/L): **TPH-d (C10 to C24) 310**

TPH-o (C24 to C40) 500

Report Date: 09-May-2023 08:19:47

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230508-88308.b\050823A060.D
Injection Date: 08-May-2023 22:53:05 Instrument ID: TAC129
Lims ID: 580-126892-O-3-A Lab Sample ID: 580-126892-3
Client ID: RHMW17-WGN01B-2305WK1
Operator ID: KW 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



Results (ug/L): TPH-d SGC (C10 to C24) <110 U

TPH-o SGC (C24 to C40) <320 U

Report Date: 10-May-2023 09:24:58

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230509-88334.b\050923A012.D

Injection Date: 09-May-2023 17:31:18

Instrument ID: TAC129

Lims ID: 580-126892-O-3-B

Lab Sample ID: 580-126892-3

Client ID: RHMW17-WGN01B-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 6

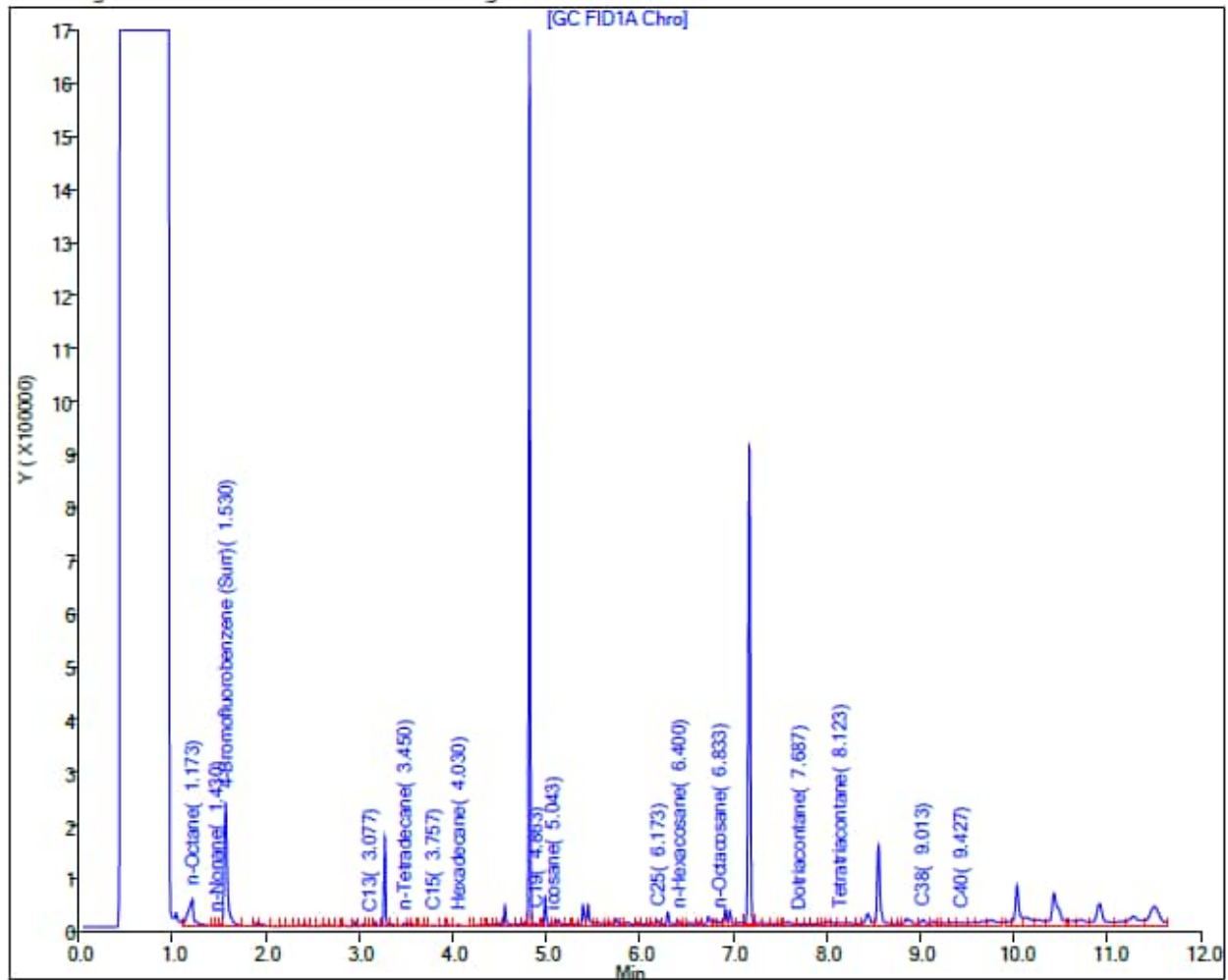
Injection Vol: 1.0 ul

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-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: 23-Feb-2023 08:45:07

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230222-87216.b\022223A037.D

Injection Date: 23-Feb-2023 00:28:45

Instrument ID: TAC129_R

Lims ID: 580-123741-N-1-B

Lab Sample ID: 580-123741-1

Client ID: RHMW19-WGN01B-2302WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 19

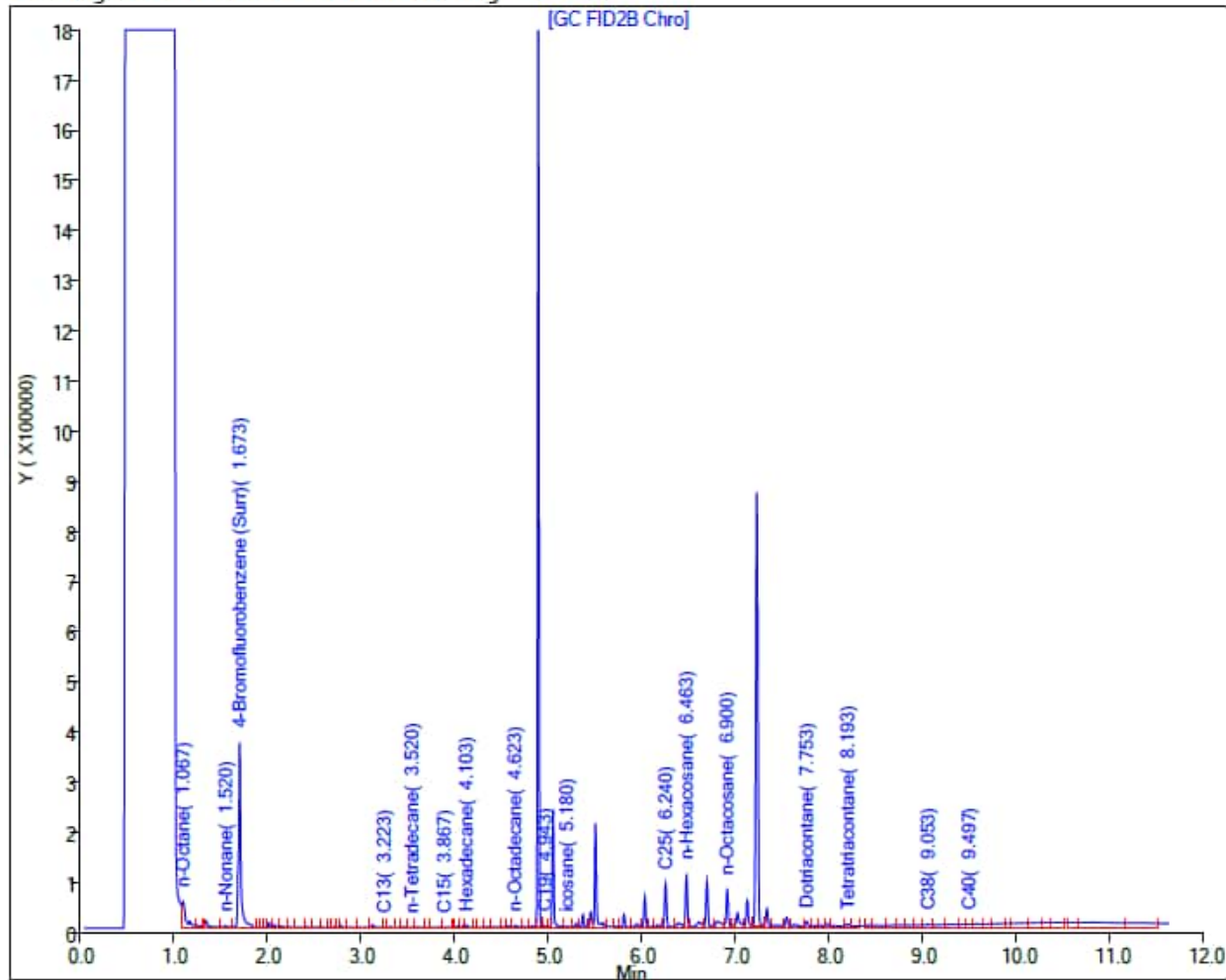
Injection Vol: 1.0 uL

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



No Silica Gel Cleanup performed.

Location: RHMW19 Sample ID: RHMW19-WGN01B-2302WK4 Sample Date: 2/27/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <83 U

TPH-o (C24 to C40) <250 U

Report Date: 07-Mar-2023 11:56:36

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230306-87363.b\030623A058.D

Injection Date: 06-Mar-2023 21:11:04

Instrument ID: TAC129

Lims ID: 580-124114-O-4-A

Lab Sample ID: 580-124114-4

Client ID: RHMW19-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 23

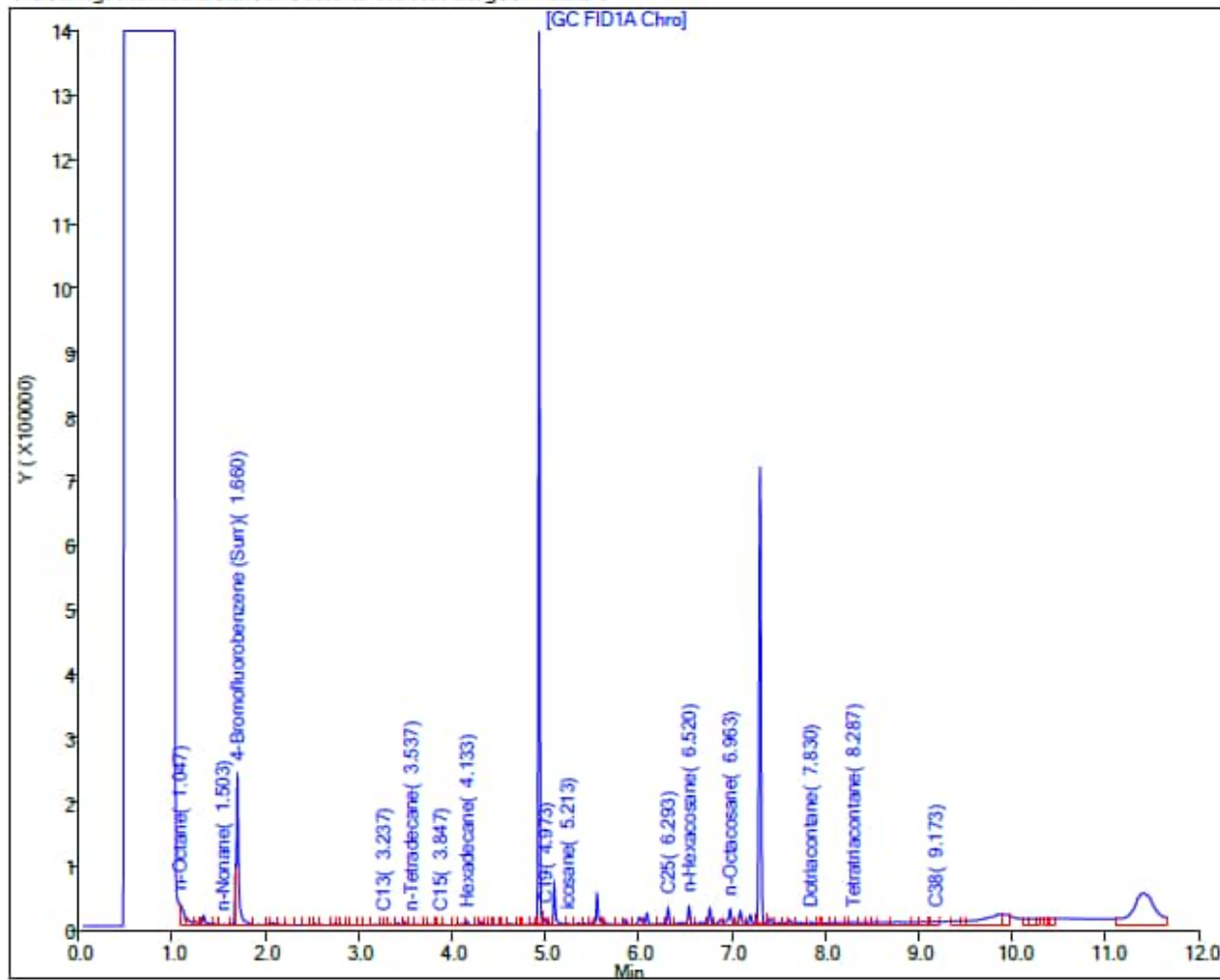
Injection Vol: 1.0 uL

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: **RHMW19** Sample ID: RHMW19-WGN01B-2303WK1 Sample Date: 3/6/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 250**

TPH-o (C24 to C40) 450

Report Date: 13-Mar-2023 11:32:21

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87455.b\031023B024.D

Injection Date: 10-Mar-2023 22:40:40

Instrument ID: TAC129

Lims ID: 580-124323-O-4-A

Lab Sample ID: 580-124323-4

Client ID: RHMW19-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 12

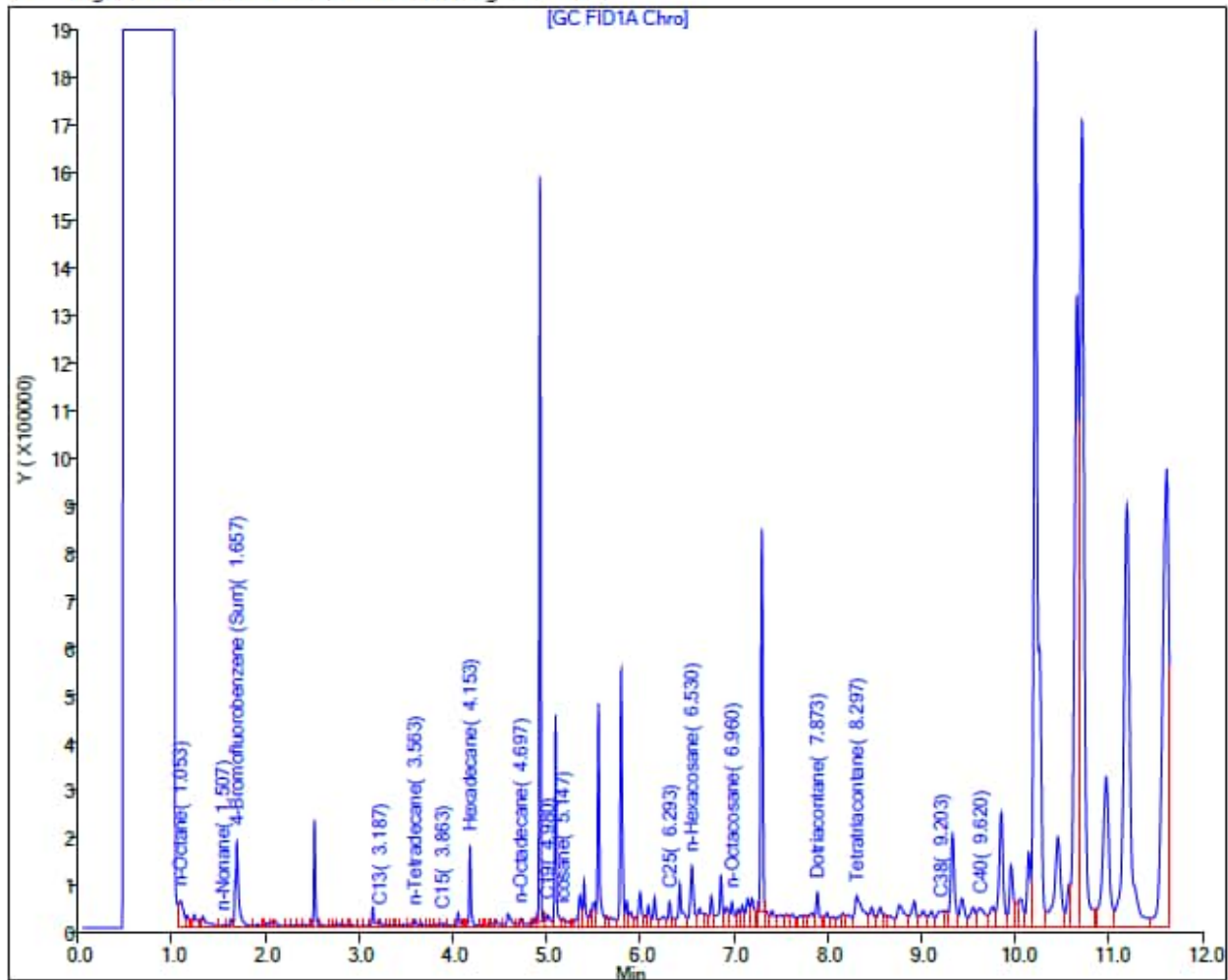
Injection Vol: 1.0 uL

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) 180 J

Report Date: 14-Mar-2023 08:38:58

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230313-87469.b\031323A040.D

Injection Date: 13-Mar-2023 18:01:17

Instrument ID: TAC129

Lims ID: 580-124323-O-4-B

Lab Sample ID: 580-124323-4

Client ID: RHMW19-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 9

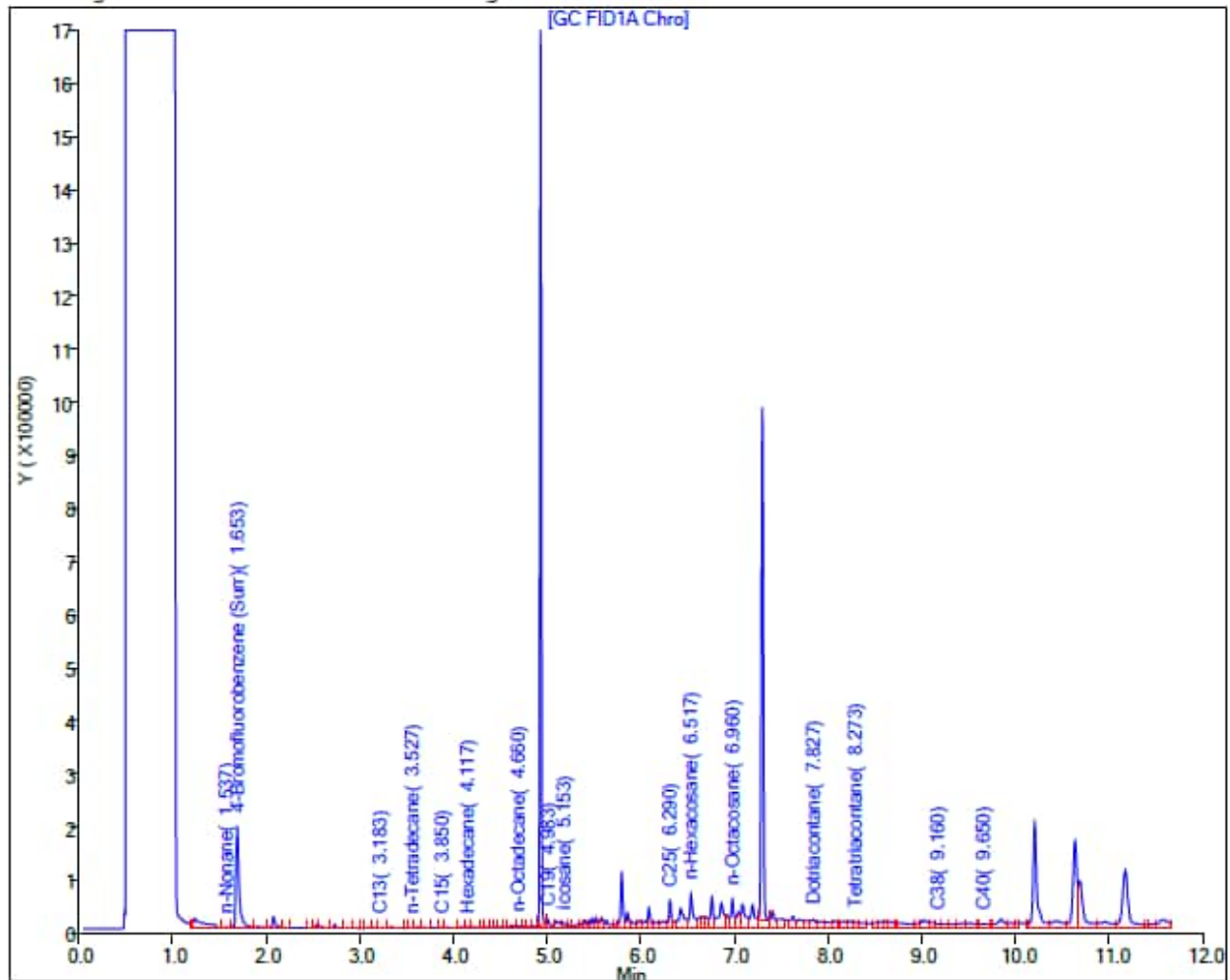
Injection Vol: 1.0 uL

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: RHMW19

Sample ID: RHMW19-WGN01B-2303WK2

Sample Date: 3/13/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <100 U

TPH-o (C24 to C40) <310 U

Report Date: 17-Mar-2023 08:56:56

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230316-87522.b\031623A059.D

Injection Date: 17-Mar-2023 05:41:31

Instrument ID: TAC020

Lims ID: 580-124648-N-4-A

Lab Sample ID: 580-124648-4

Client ID: RHMW19-WGN01B-2303WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 59

Injection Vol: 1.0 ul

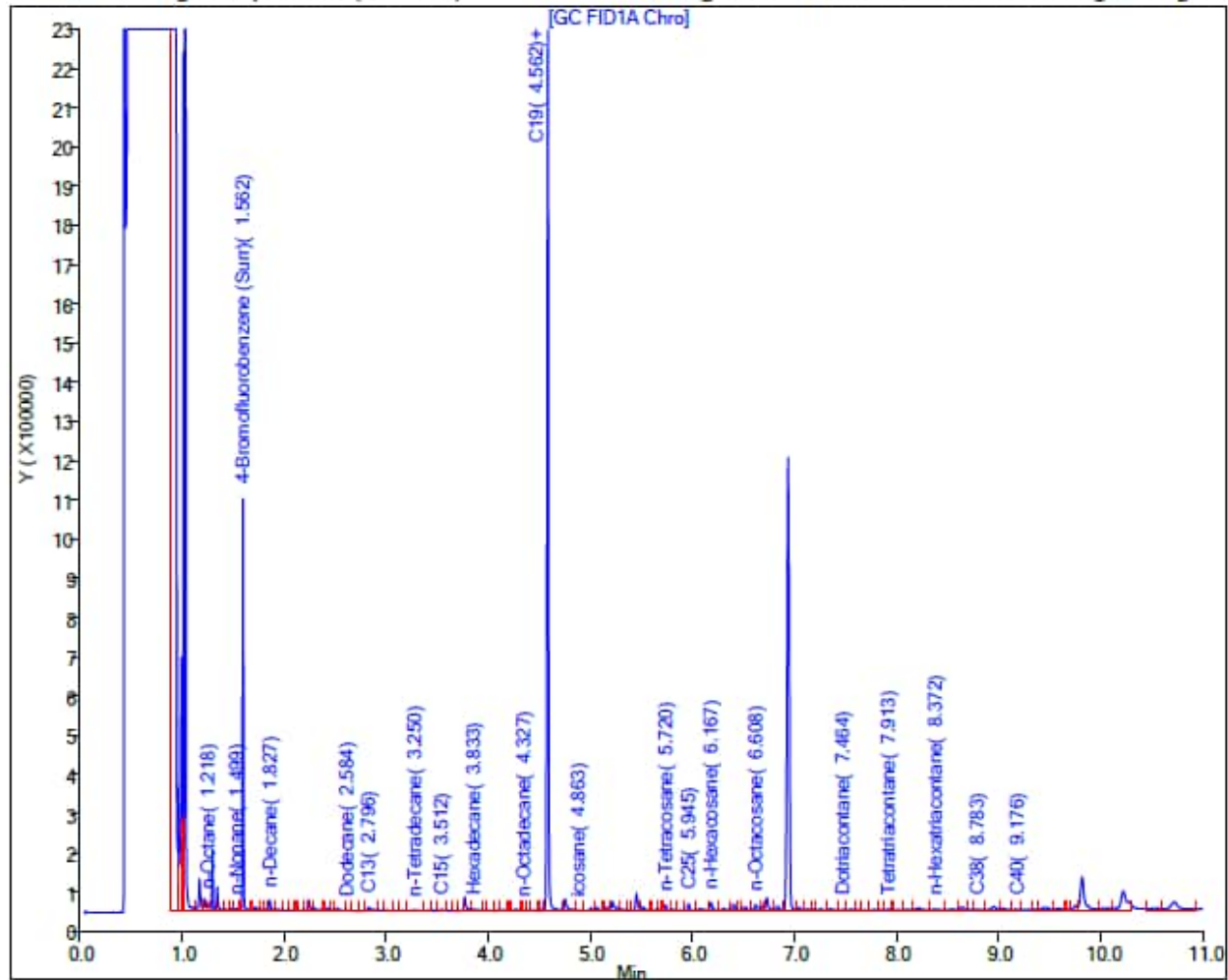
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: RHMW19 Sample ID: RHMW19-WGN01B-2303WK3 Sample Date: 3/20/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <110 U

TPH-o (C24 to C40) <320 U

Report Date: 28-Mar-2023 09:01:09

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A043.D

Injection Date: 28-Mar-2023 01:46:59

Instrument ID: TAC020

Lims ID: 580-124962-O-4-A

Lab Sample ID: 580-124962-4

Client ID: RHMW19-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 43

Injection Vol: 1.0 ul

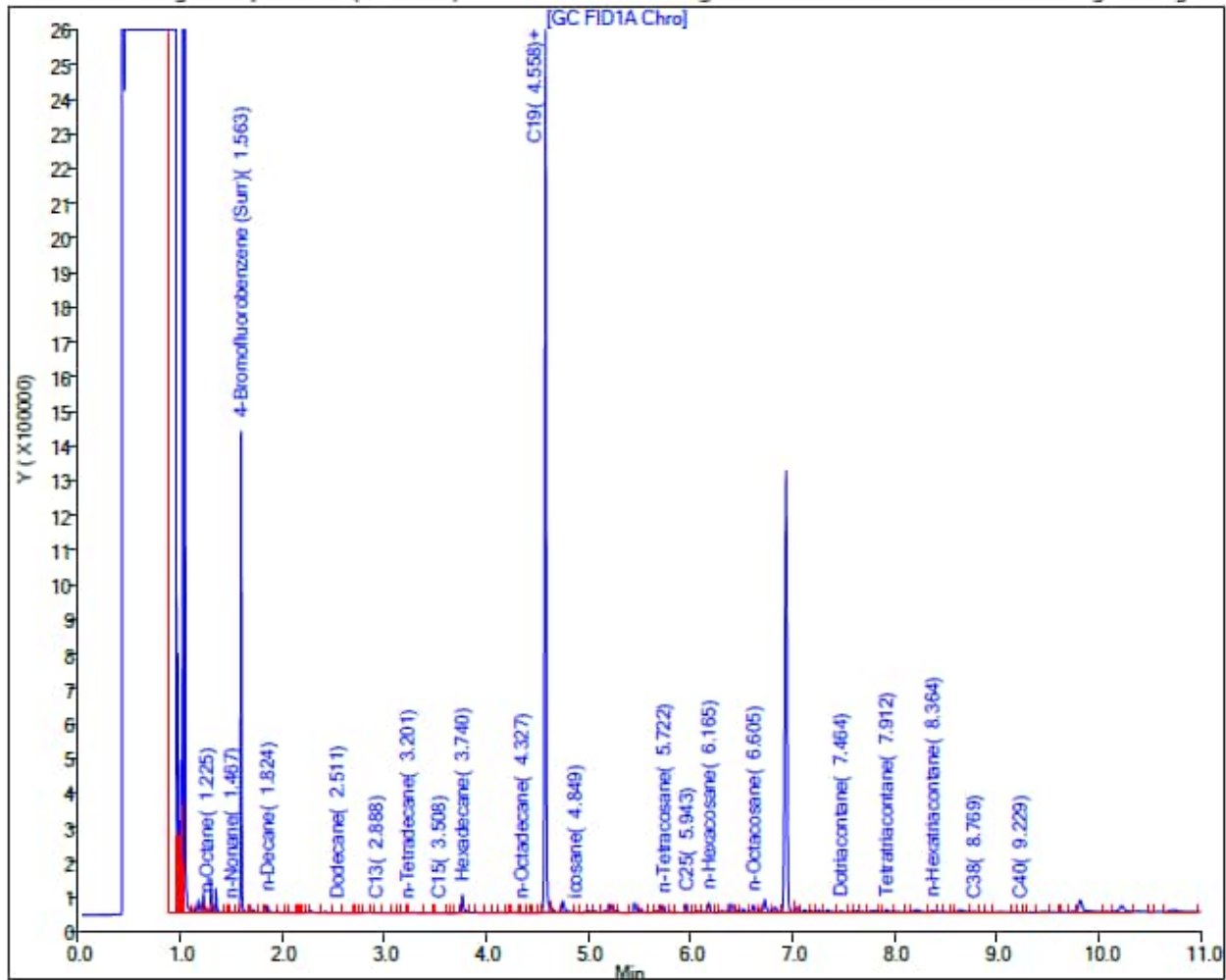
Dil. Factor: 1.0000

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-2304WK1 Sample Date: 4/3/2023

Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <87 U

TPH-o (C24 to C40) <260 U

Report Date: 10-Apr-2023 10:41:05

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: 07-Apr-2023 18:16:02 Instrument ID: TAC020

Lims ID: 580-125491-O-10-A

Lab Sample ID: 580-125491-10

Client ID: RHMW19-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul

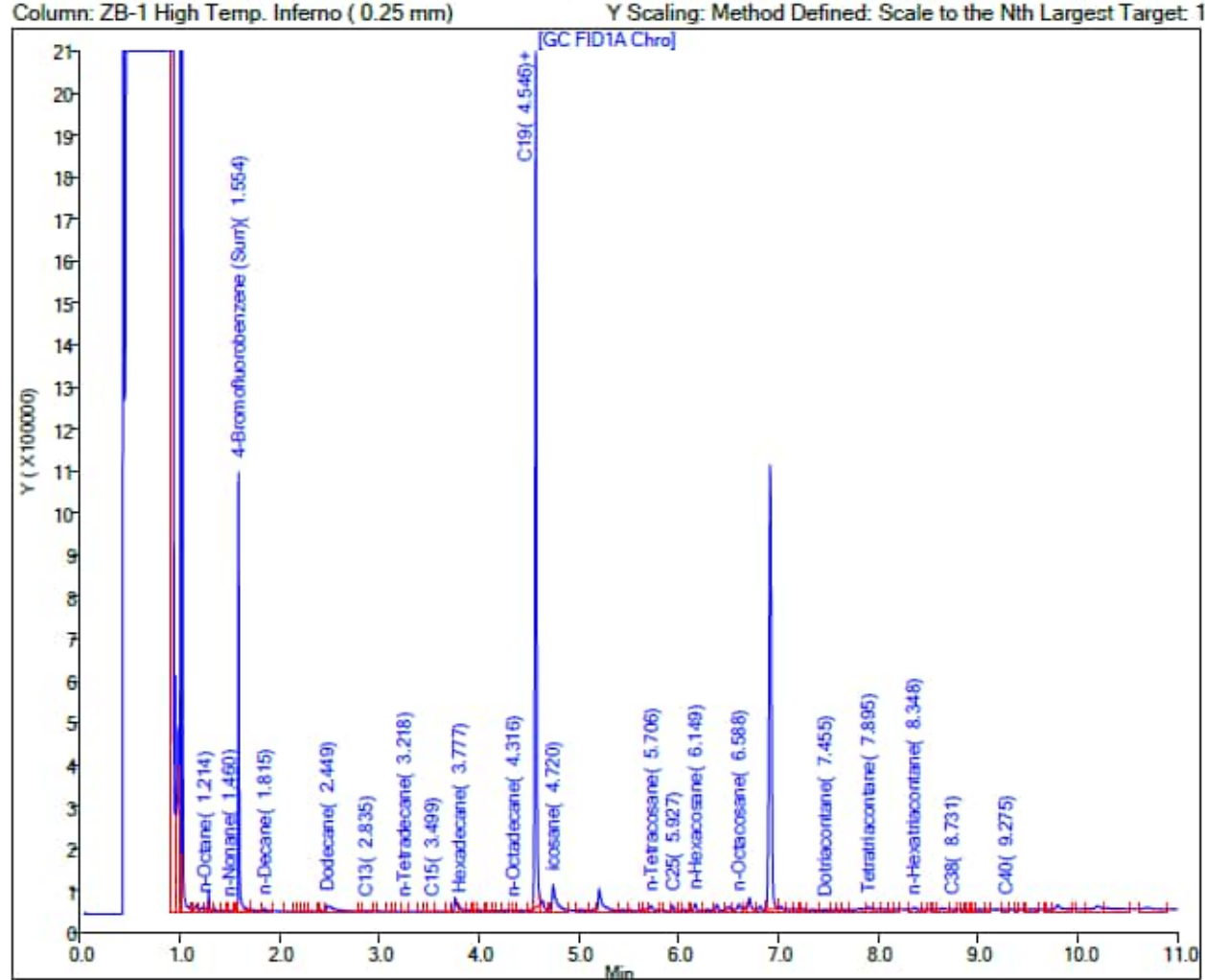
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **RHMW19** Sample ID: RHMW19-WGN01B-2305WK1 Sample Date: 5/3/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 UJ**

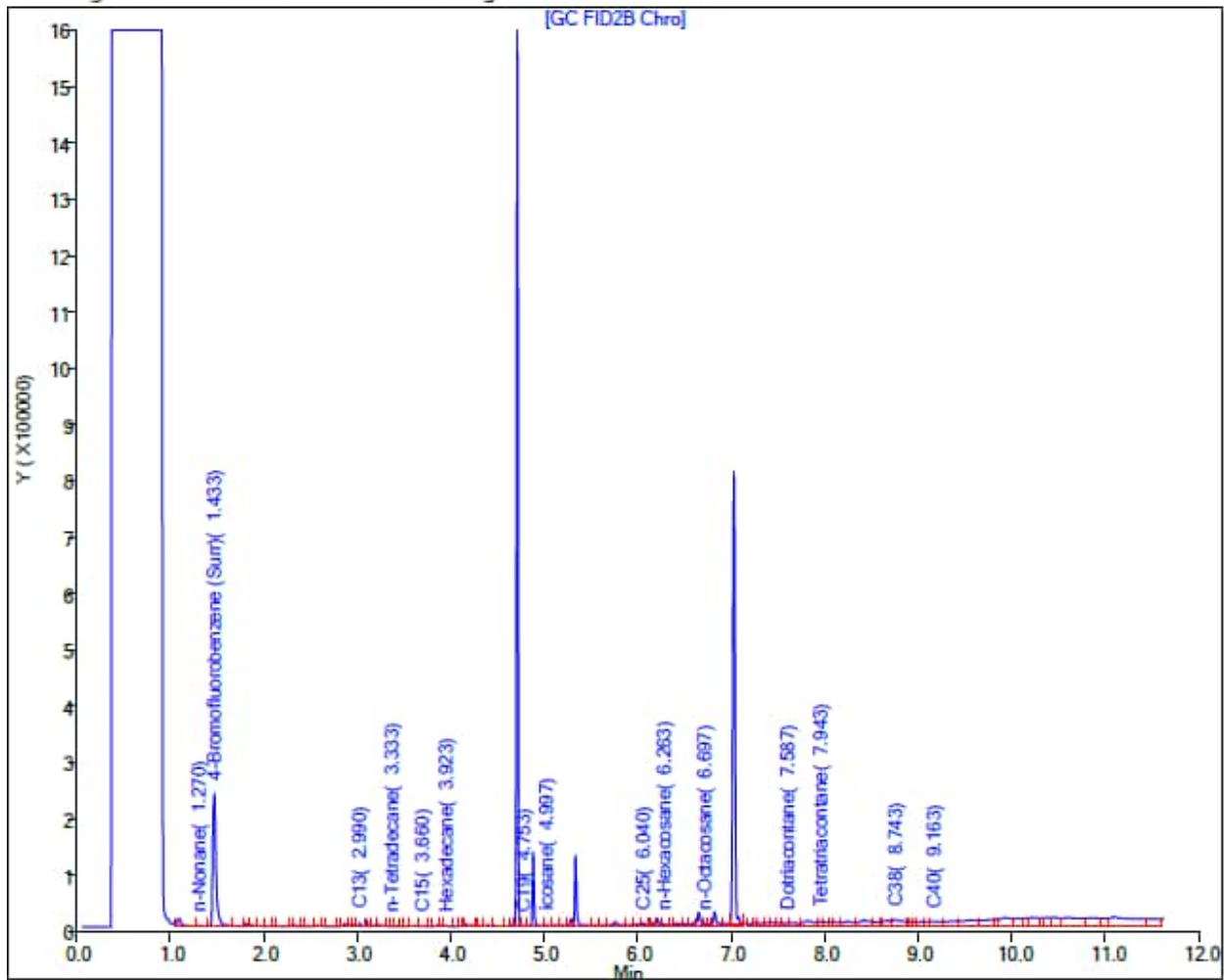
TPH-o (C24 to C40) <300 U

Report Date: 15-May-2023 10:20:17

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230512-88389.b\051223A017.D
Injection Date: 12-May-2023 18:31:34 Instrument ID: TAC129_R
Lims ID: 580-126837-L-4-A Lab Sample ID: 580-126837-4
Client ID: RHMW19-WGN01B-2305WK1
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.

Results (ug/L): TPH-d SGC (C10 to C24) <100 U

TPH-o SGC (C24 to C40) <310 U

Report Date: 24-Jan-2023 10:09:47

Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230123-86778.b\012323_024.D

Injection Date: 23-Jan-2023 17:48:41

Instrument ID: TAC020

Lims ID: 580-121948-O-1-B

Lab Sample ID: 580-121948-1

Client ID: ADIT3-SUMP-WGN01B-2301WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 24

Injection Vol: 1.0 ul

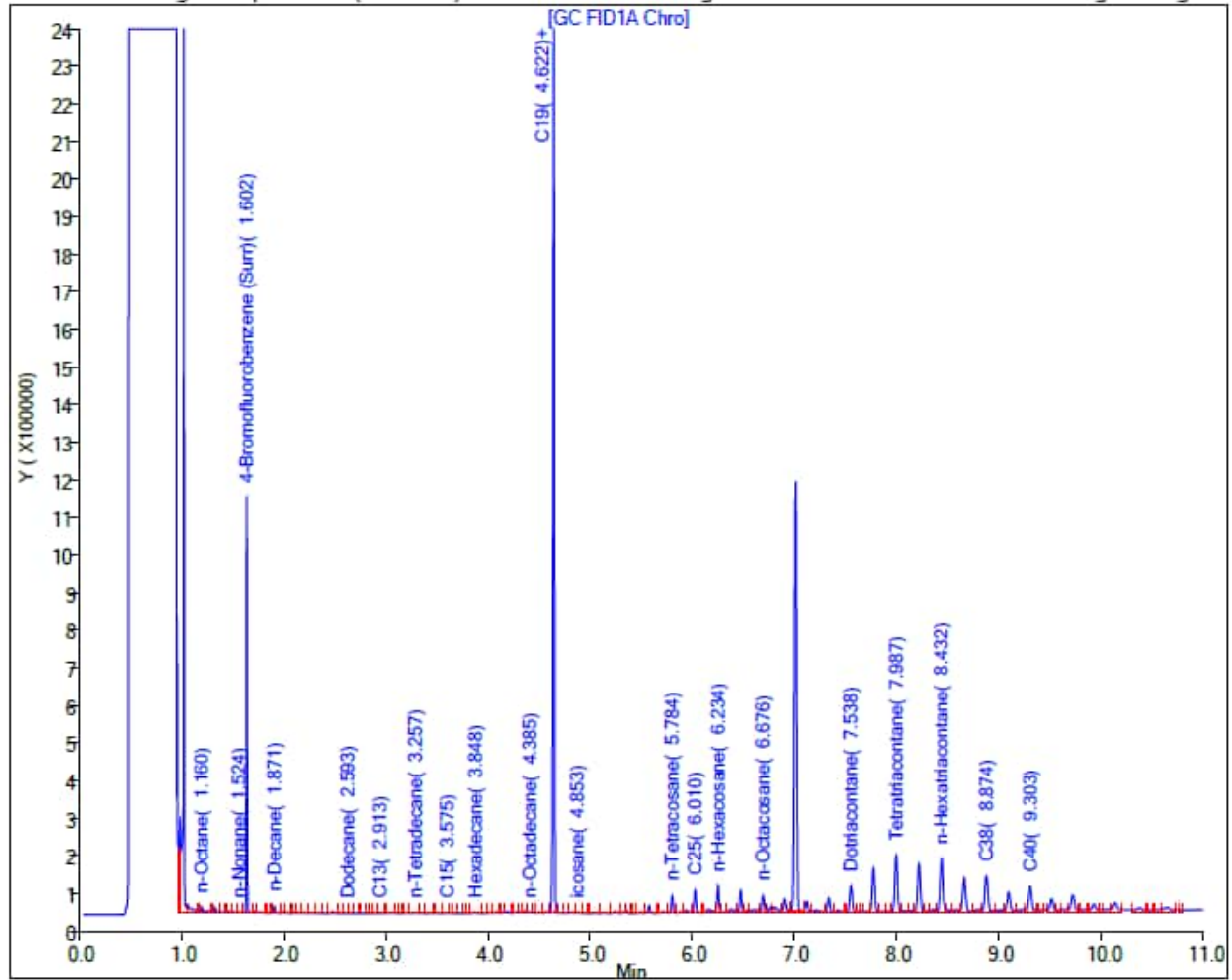
Dil. Factor: 1.0000

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



Location: **Sump Adit 3** Sample ID: ADIT3-SUMP-WGN01B-2303WK1 Sample Date: 3/8/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 210**

TPH-o (C24 to C40) <250 U

Report Date: 17-Mar-2023 08:52:49

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\ChromData\TAC020\20230316-87522.b\031623A024.D

Eurofins Seattle

Injection Date: 16-Mar-2023 17:54:56 Instrument ID: TAC020

Lims ID: 580-124557-N-8-A Lab Sample ID: 580-124557-8

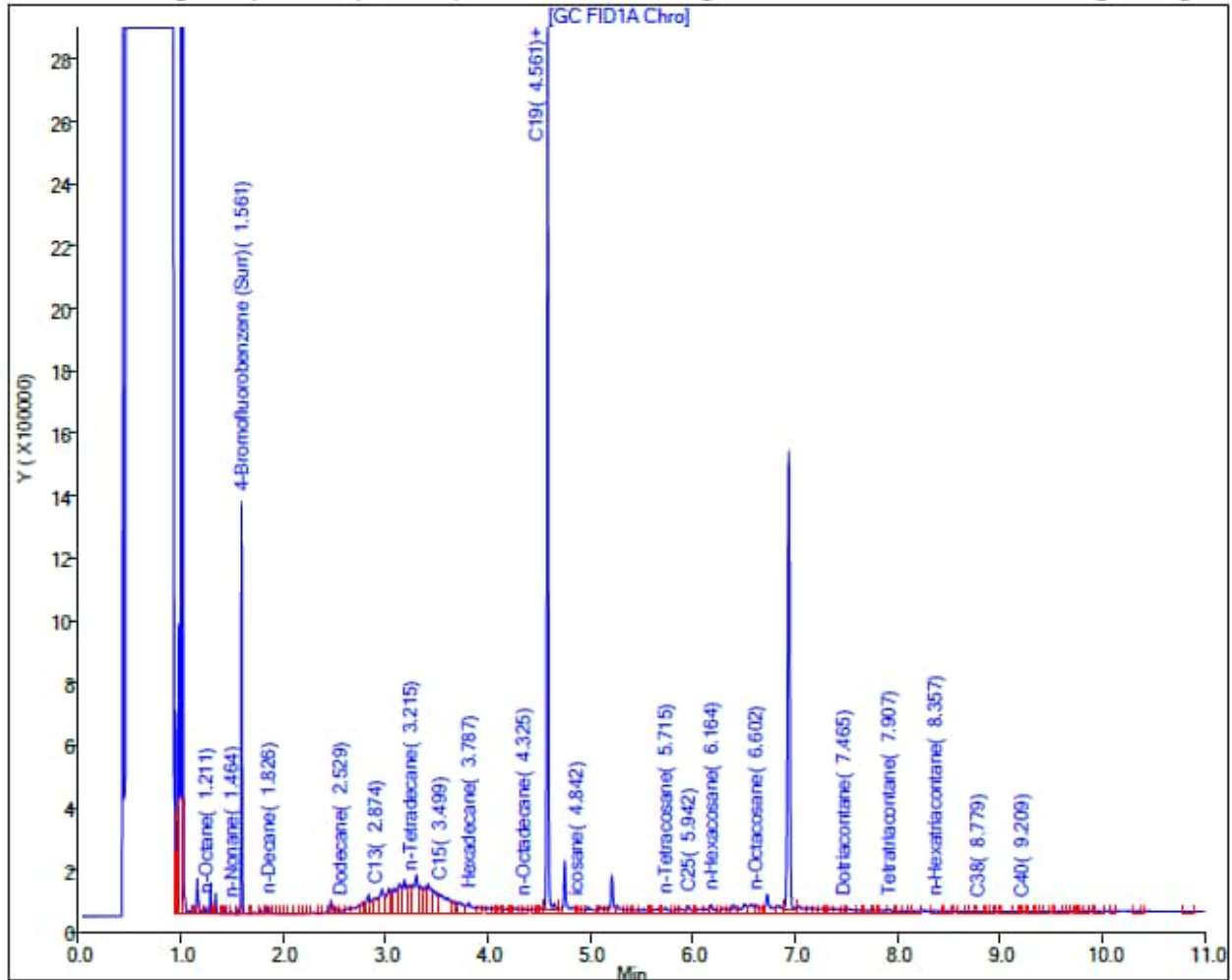
Client ID: ADIT3-SUMP-WGN01B-2303WK1

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



Results (ug/L): TPH-d SGC (C10 to C24) 180

TPH-o SGC (C24 to C40) <250 U

Report Date: 20-Mar-2023 08:24:21

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurolins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230317-87552.b\031723B019.D

Injection Date: 17-Mar-2023 17:31:27

Instrument ID: TAC020

Lims ID: 580-124557-N-8-B

Lab Sample ID: 580-124557-8

Client ID: ADIT3-SUMP-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul

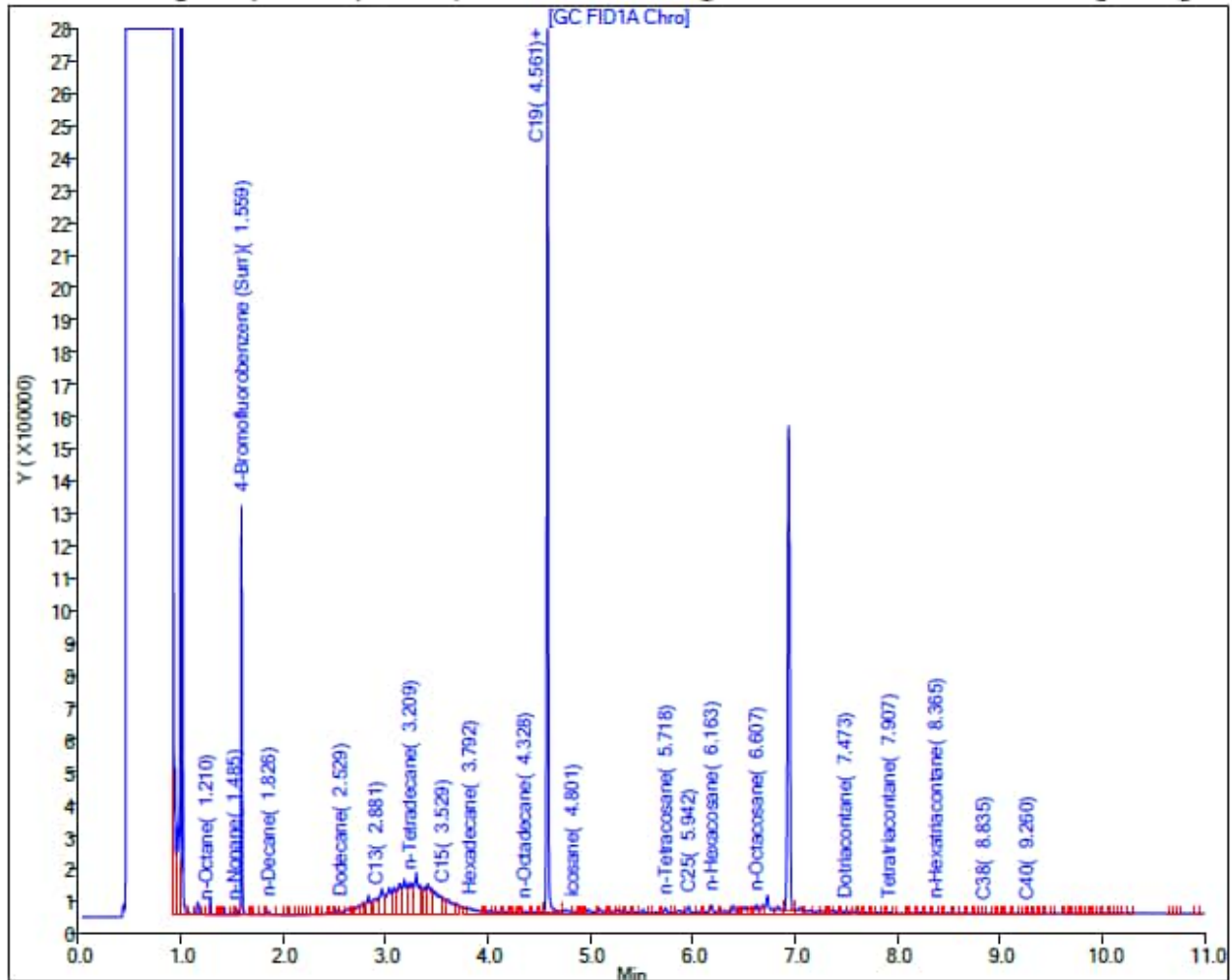
Dil. Factor: 1.0000

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: **Sump Adit 3** Sample ID: ADIT3-SUMP-WGN01B-2303WK3 Sample Date: 3/22/2023

Lab: Eurofins Seattle

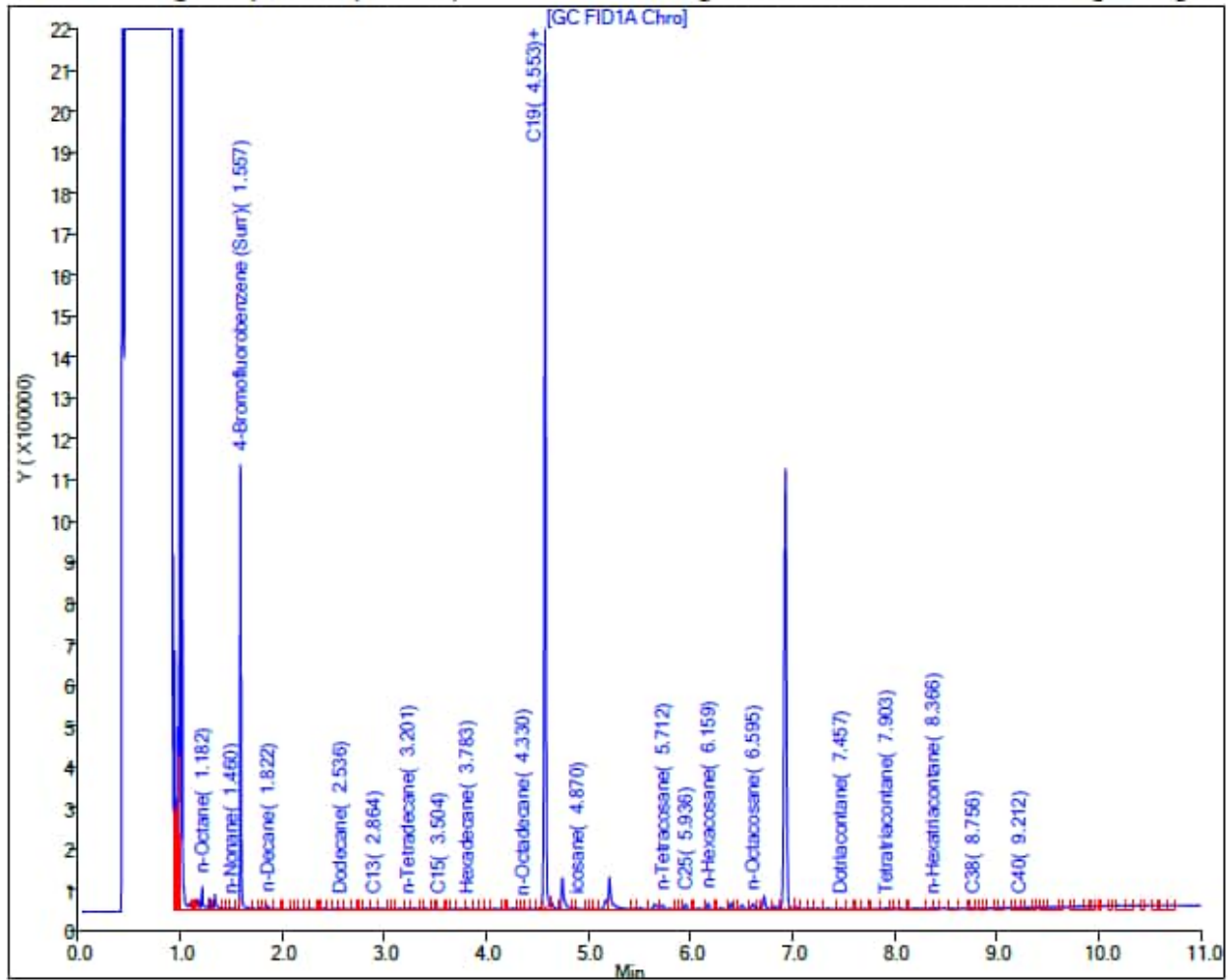
Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 31-Mar-2023 09:24:25

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230330-87724.b\033023A041.D
Injection Date: 31-Mar-2023 00:15:00 Instrument ID: TAC020
Lims ID: 580-125128-N-6-A Lab Sample ID: 580-125128-6
Client ID: ADIT3-SUMP-WGN01B-2303WK3
Operator ID: KW 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



No Silica Gel Cleanup performed.

Location: **Sump Adit 3** Sample ID: ADIT3-SUMP-WGN01B-2303WK4 Sample Date: 3/29/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 300**

TPH-o (C24 to C40) <300 U

Report Date: 05-Apr-2023 11:51:46

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: Eurofins Seattle

Injection Date: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A041.D

Lims ID: 580-125353-O-7-A

Instrument ID: TAC020

Client ID: ADIT3-SUMP-WGN01B-2303WK4

Lab Sample ID: 580-125353-7

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 41

Injection Vol: 1.0 ul

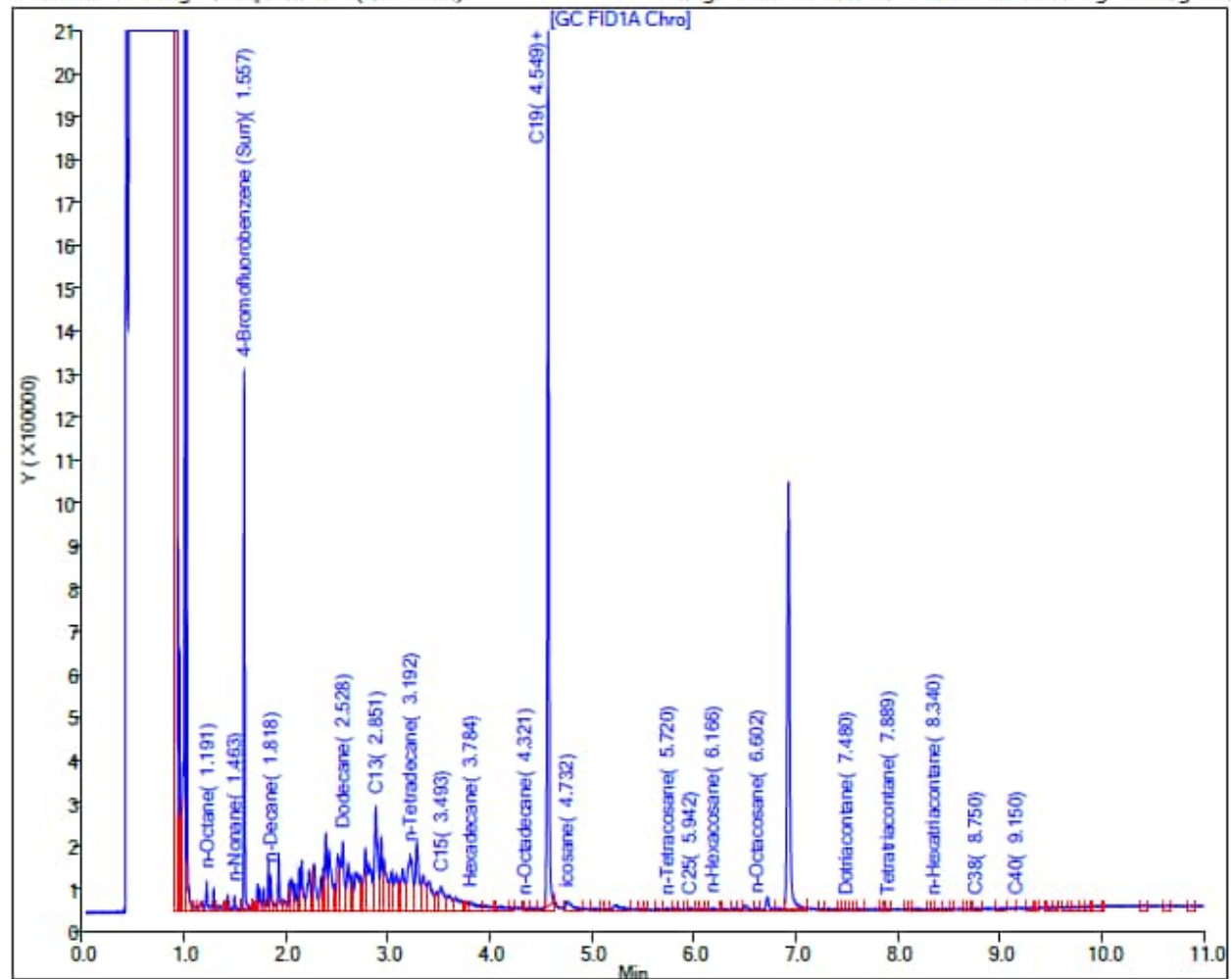
Dil. Factor: 1.0000

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



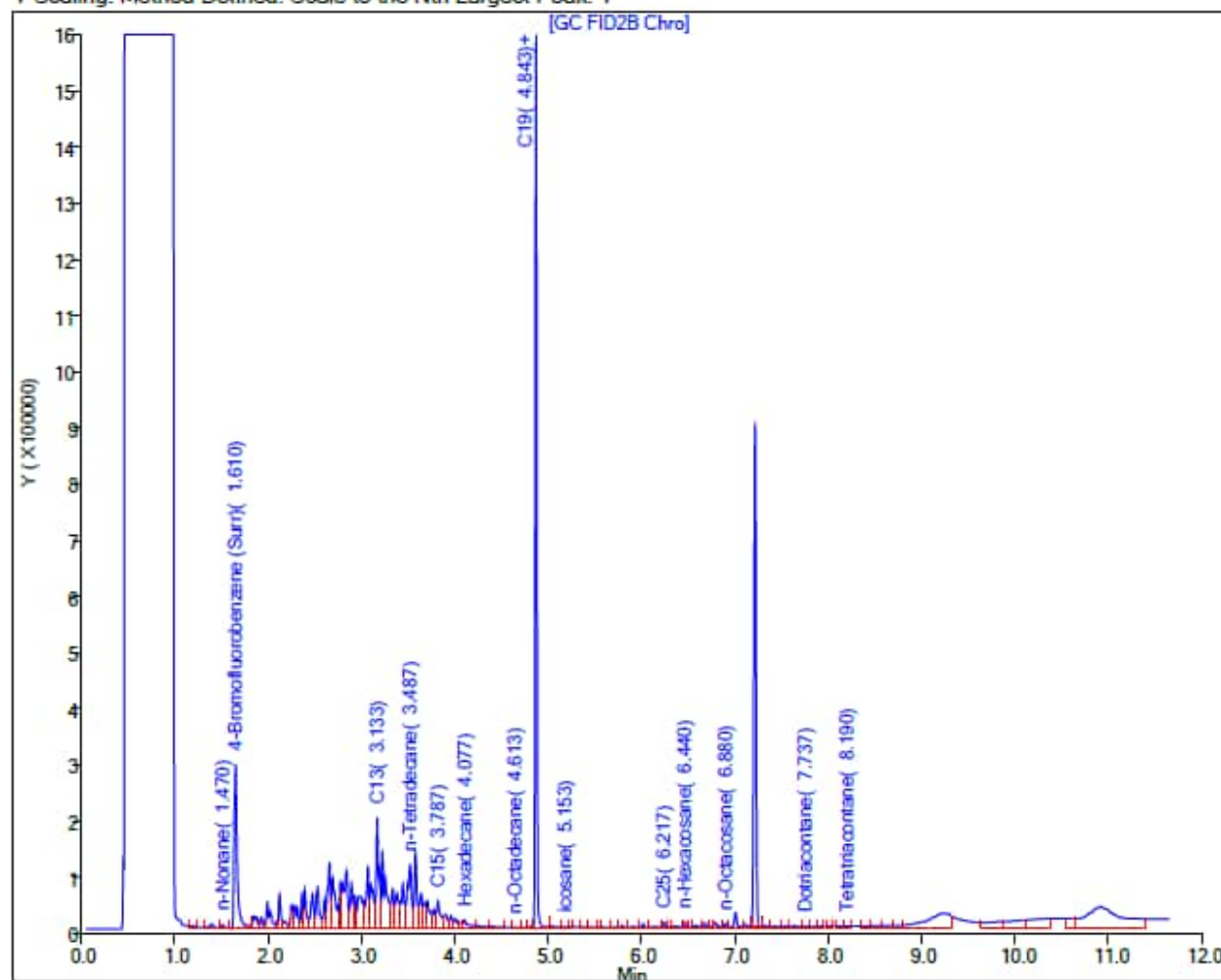
Results (ug/L): TPH-d SGC (C10 to C24) 250

TPH-o SGC (C24 to C40) <300 U

Report Date: 07-Apr-2023 09:23:26

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Euofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230406-87841_b\040623C041.D
Injection Date: 07-Apr-2023 02:12:15 Instrument ID: TAC129_R
Lims ID: 580-125353-O-7-B Lab Sample ID: 580-125353-7
Client ID: ADIT3-SUMP-WGN01B-2303WK4
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



Location: **Sump Adit 3** Sample ID: ADIT3-SUMP-WGN01B-2304WK1 Sample Date: 4/5/2023

Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 1600**

TPH-o (C24 to C40) <310 U

Report Date: 11-Apr-2023 09:28:29

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\Eurofins Seattle

Injection Date: 11-Apr-2023 03:50:36 Instrument ID: TAC020

Lims ID: 580-125642-O-1-A

Lab Sample ID: 580-125642-1

Client ID: ADIT3-SUMP-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 53

Injection Vol: 1.0 ul

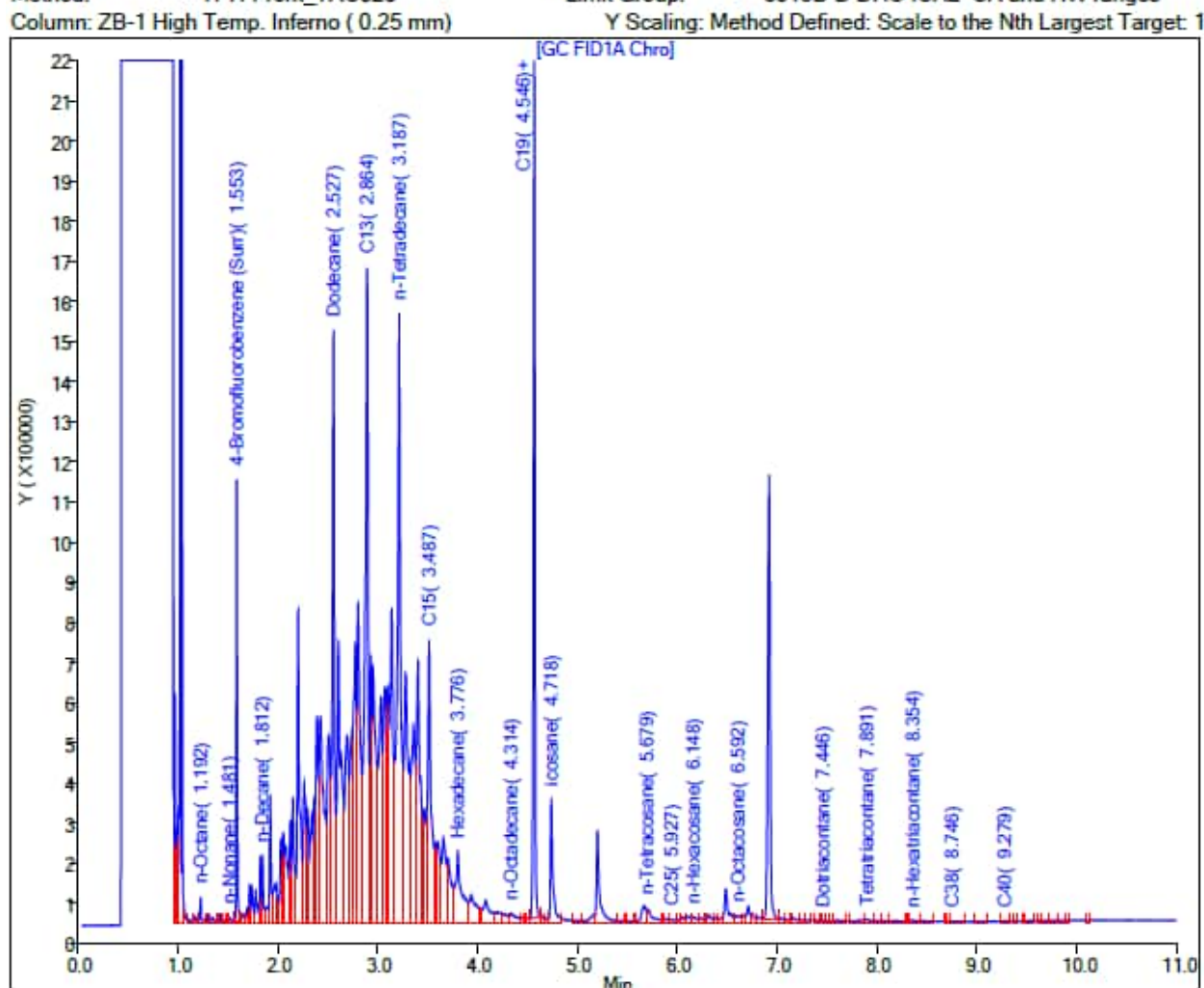
Dil. Factor: 1.0000

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) 1500

TPH-o SGC (C24 to C40) <310 U

Report Date: 13-Apr-2023 09:29:49

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: \\chromfs\Seattle\ChromData\TAC020\20230411-87899.b\041123A010.D

Eurofins Seattle

Injection Date: 11-Apr-2023 17:05:23

Instrument ID: TAC020

Lims ID: 580-125642-O-1-B

Lab Sample ID: 580-125642-1

Client ID: ADIT3-SUMP-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 10

Injection Vol: 1.0 ul

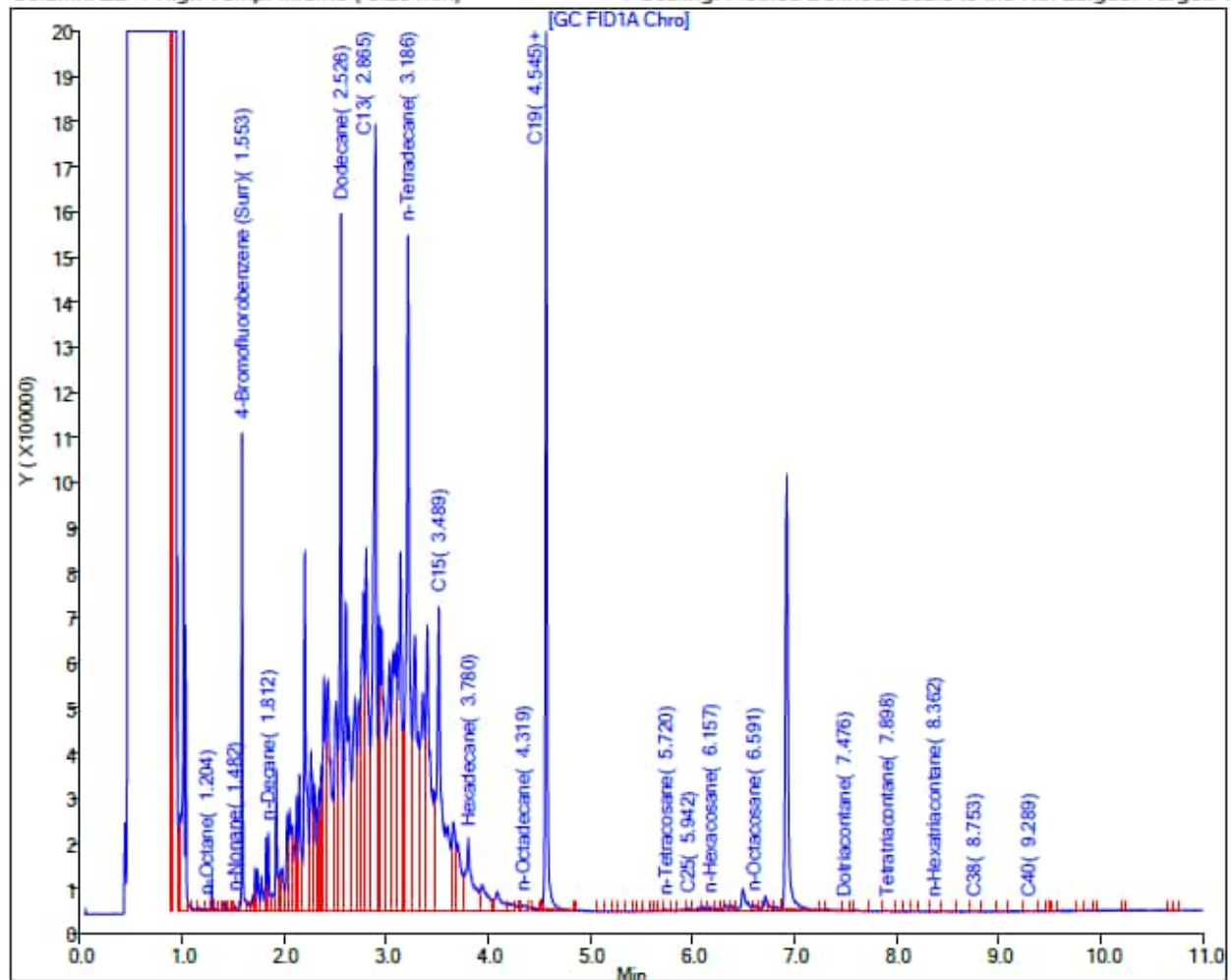
Dil. Factor: 1.0000

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



Location: **OWDFMW01** Sample ID: OWDFMW01-WGN01LF-2303WK1 Sample Date: 3/9/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <86 U**

TPH-o (C24 to C40) <260 U

Report Date: 15-Mar-2023 08:14:06

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230314-87488.b\031423B066.D

Injection Date: 14-Mar-2023 22:04:12

Instrument ID: TAC129

Lims ID: 580-124556-O-6-A

Lab Sample ID: 580-124556-6

Client ID: OWDFMW01-WGN01LF-2303WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 33

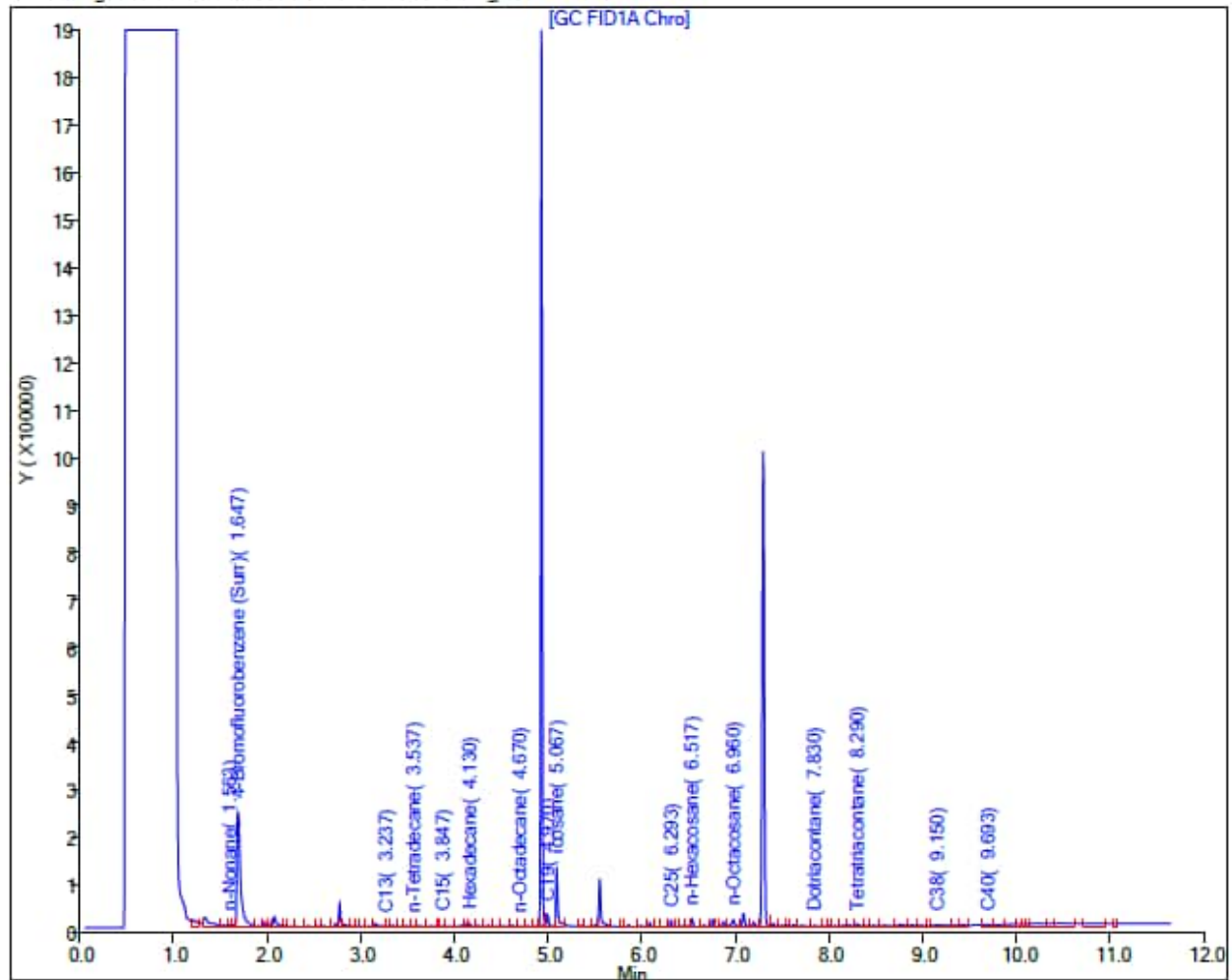
Injection Vol: 1.0 uL

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



No Silica Gel Cleanup performed.

Location: **OWDFMW01** Sample ID: OWDFMW01-WGN01LF-2303WK3 Sample Date: 3/23/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <110 U**

TPH-o (C24 to C40) <320 U

Report Date: 03-Apr-2023 10:39:21

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230331-87751.b\033123A045.D

Injection Date: 01-Apr-2023 03:57:50

Instrument ID: TAC020

Lims ID: 580-125133-N-5-A

Lab Sample ID: 580-125133-5

Client ID: OWDFMW01-WGN01LF-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 45

Injection Vol: 1.0 ul

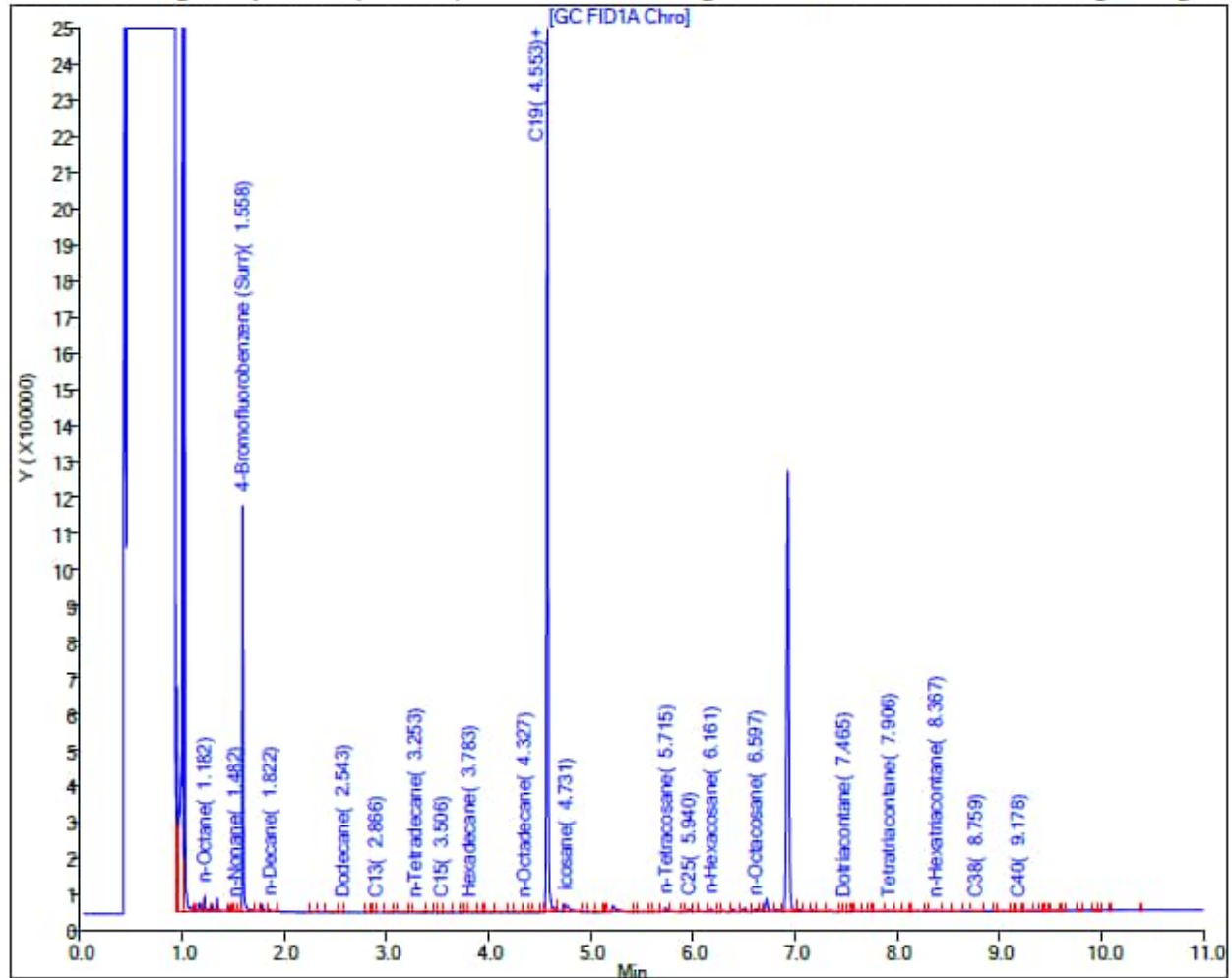
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW01** Sample ID: OWDFMW01-WGN01LF-2303WK4 Sample Date: 3/30/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 07-Apr-2023 09:14:50

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230406-87828.b\040623A035.D

Injection Date: 06-Apr-2023 21:45:48

Instrument ID: TAC020

Lims ID: 580-125401-O-10-A

Lab Sample ID: 580-125401-10

Client ID: OWDFMW01-WGN01LF-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 35

Injection Vol: 1.0 ul

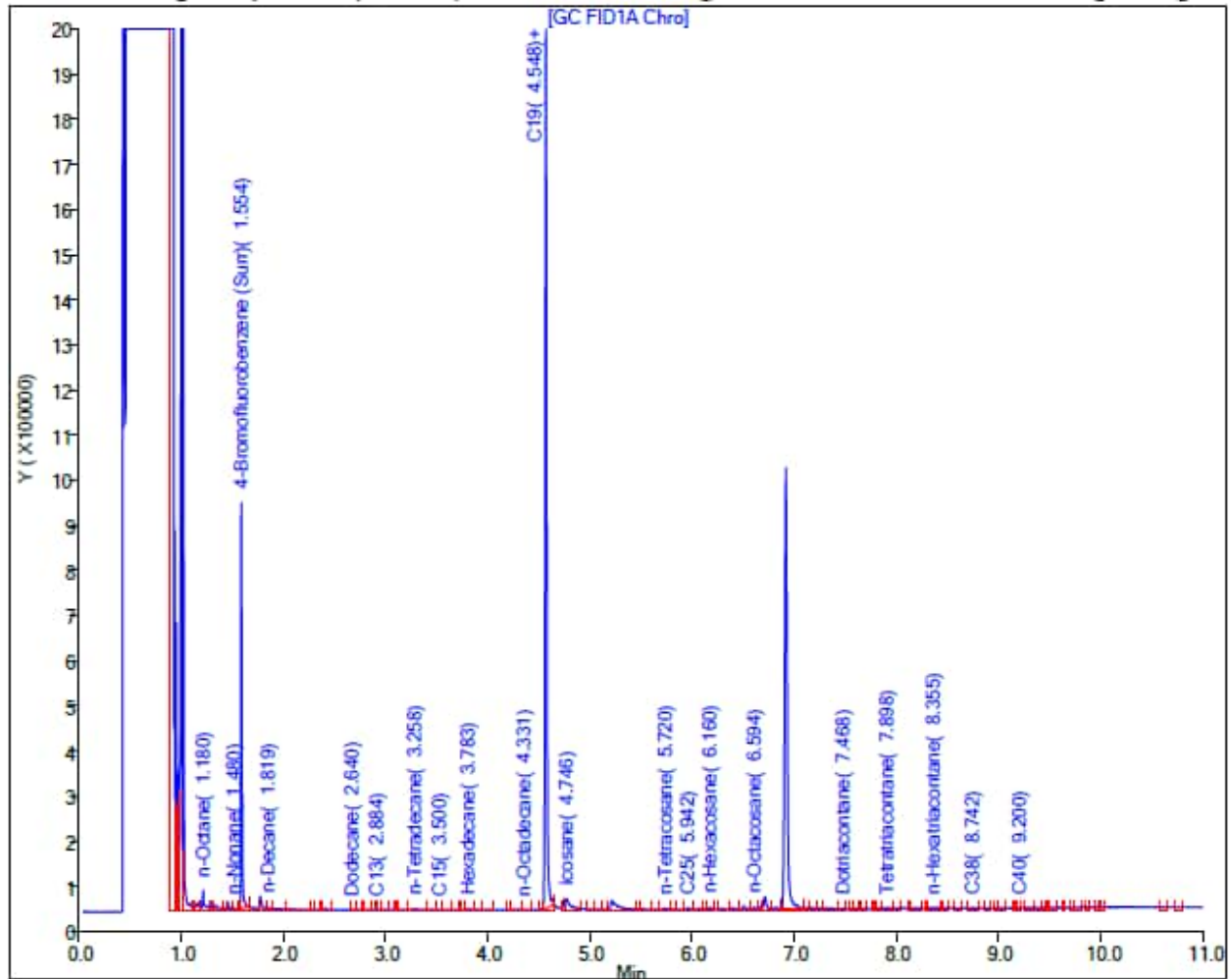
Dil. Factor: 1.0000

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: **OWDFMW01** Sample ID: OWDFMW01-WGN01LF-2304WK1 Sample Date: 4/6/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 13-Apr-2023 09:25:38

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230412-87914.b\041223A032.D

Injection Date: 12-Apr-2023 20:59:57

Instrument ID: TAC020

Lims ID: 580-125701-N-6-A

Lab Sample ID: 580-125701-6

Client ID: OWDFMW01-WGN01LF-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 32

Injection Vol: 1.0 ul

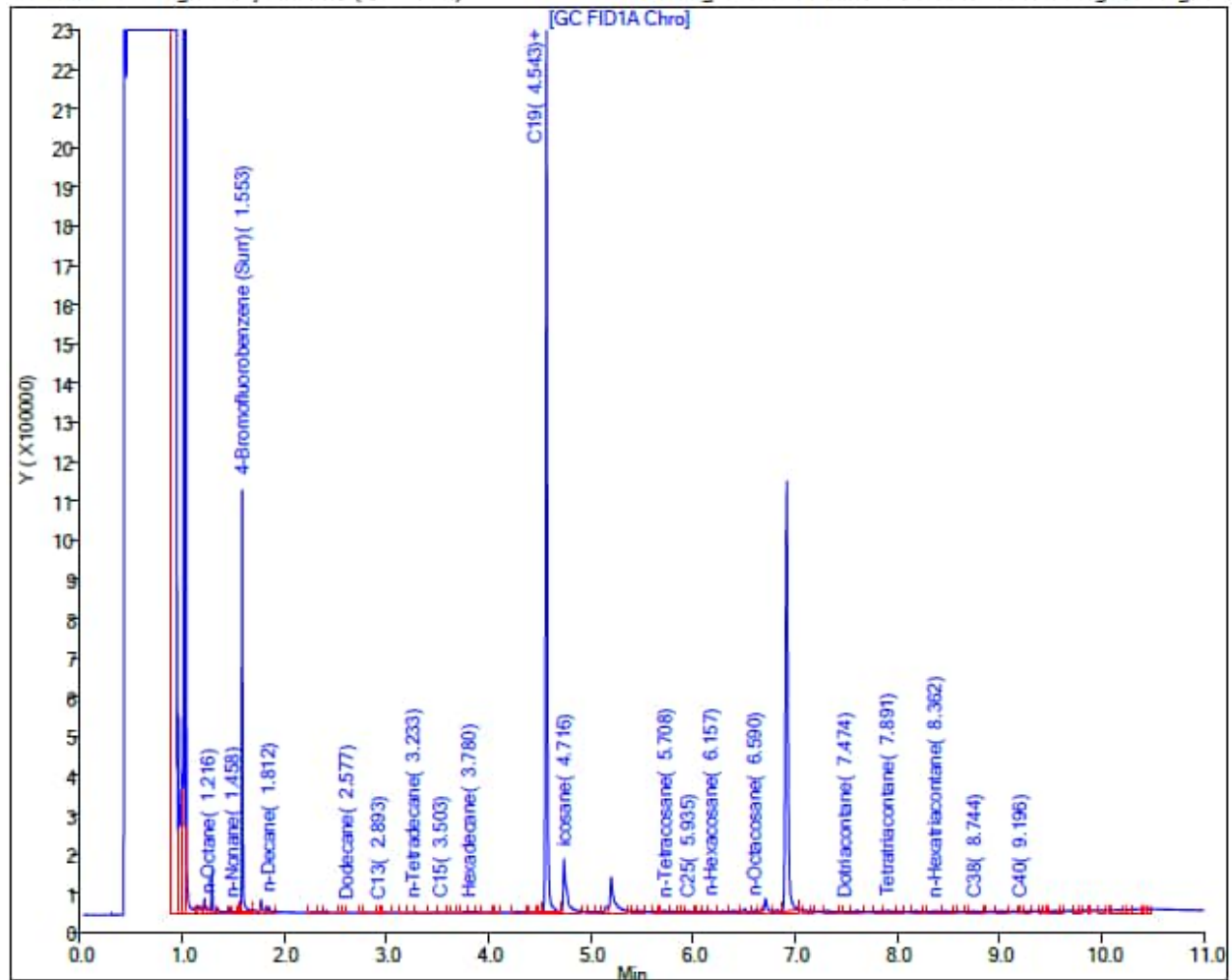
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW01** Sample ID: OWDFMW01-WGN01LF-2305WK1 Sample Date: 5/4/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 09-May-2023 08:19:50

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230508-88308.b\050823A062.D

Injection Date: 08-May-2023 23:12:02

Instrument ID: TAC129

Lims ID: 580-126892-O-5-A

Lab Sample ID: 580-126892-5

Client ID: OWDFMW01-WGN01LF-2305WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 41

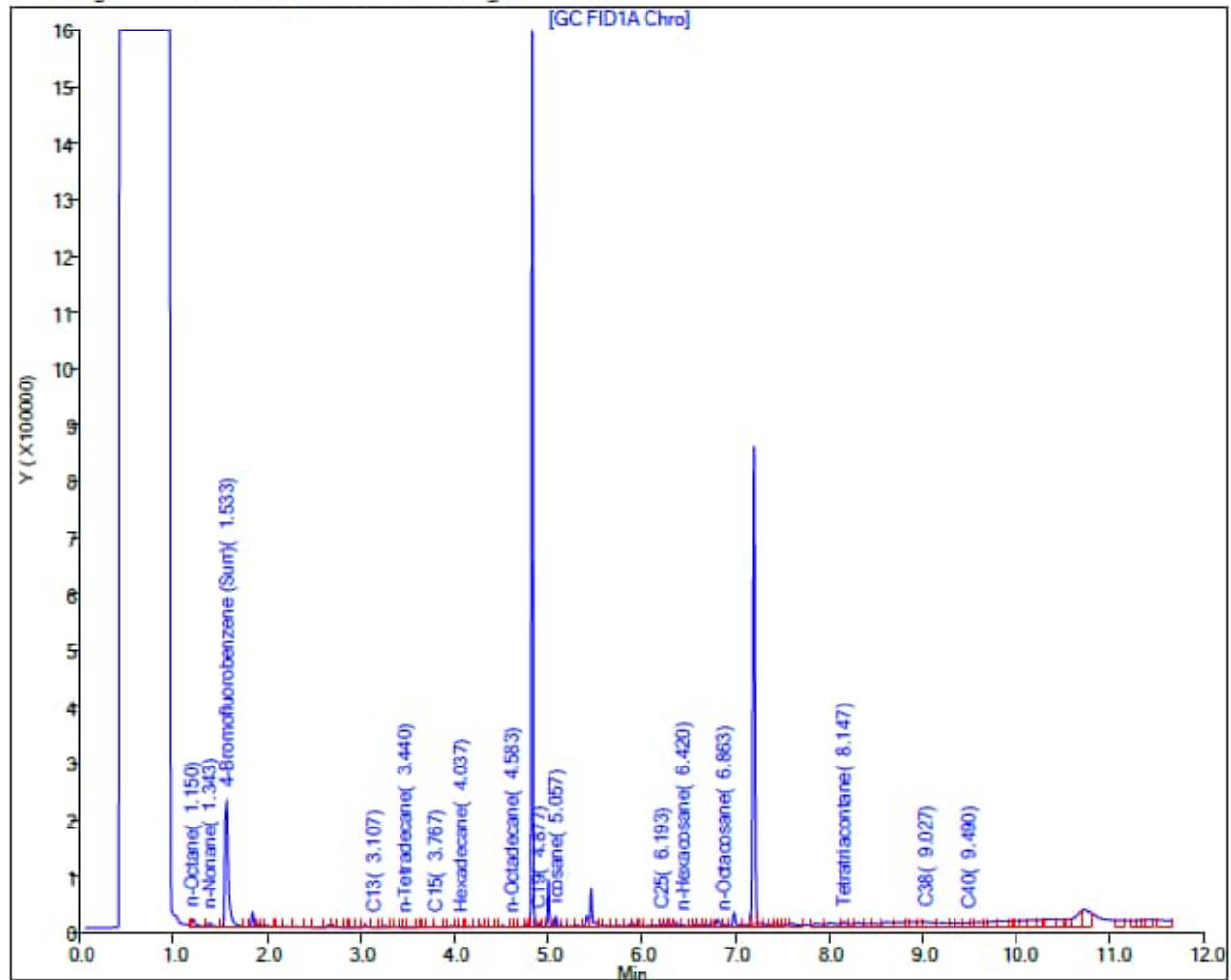
Injection Vol: 1.0 ul

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



No Silica Gel Cleanup performed.

Location: **OWDFMW04A** Sample ID: OWDFMW04A-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) <310 U

Report Date: 21-Feb-2023 08:27:42

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230220-87172.b\0220a23_010.D

Injection Date: 20-Feb-2023 20:53:06

Instrument ID: TAC020

Lims ID: 580-123592-O-5-A

Lab Sample ID: 580-123592-5

Client ID: OWDFMW04A-WGN01LF-2302WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 20

Injection Vol: 1.0 ul

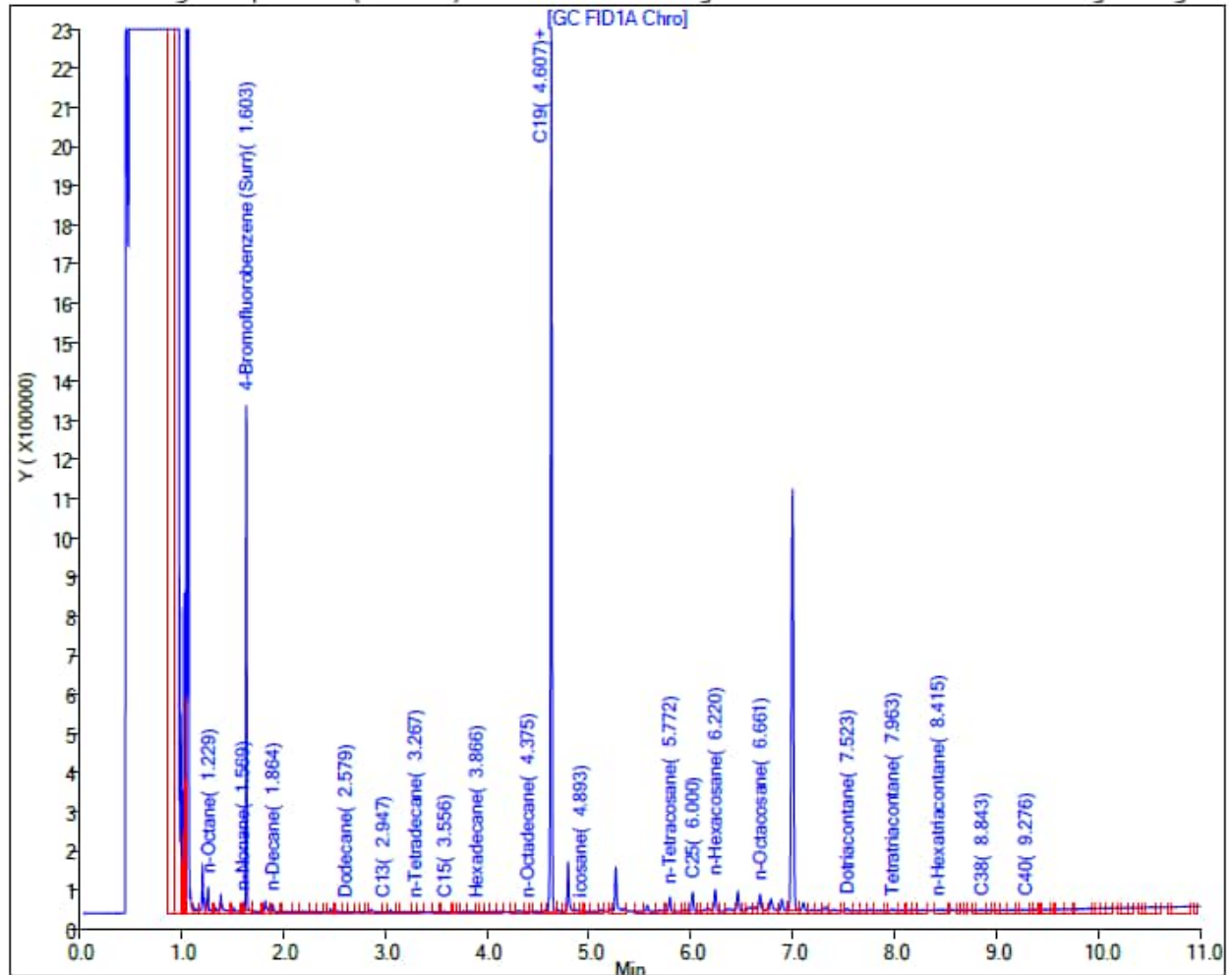
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW04A** Sample ID: OWDFMW04A-WGFD01LF-2302WK2 Sample Date: 2/15/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100**

TPH-o (C24 to C40) <300 U

Report Date: 23-Feb-2023 08:45:17

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230222-87216.b\022223A043.D

Injection Date: 23-Feb-2023 01:24:18

Instrument ID: TAC129_R

Lims ID: 580-123592-I-7-B

Lab Sample ID: 580-123592-7

Client ID: OWDFMW04A-WGFD01LF-2302WK2

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

22

Injection Vol: 1.0 uL

Dil. Factor:

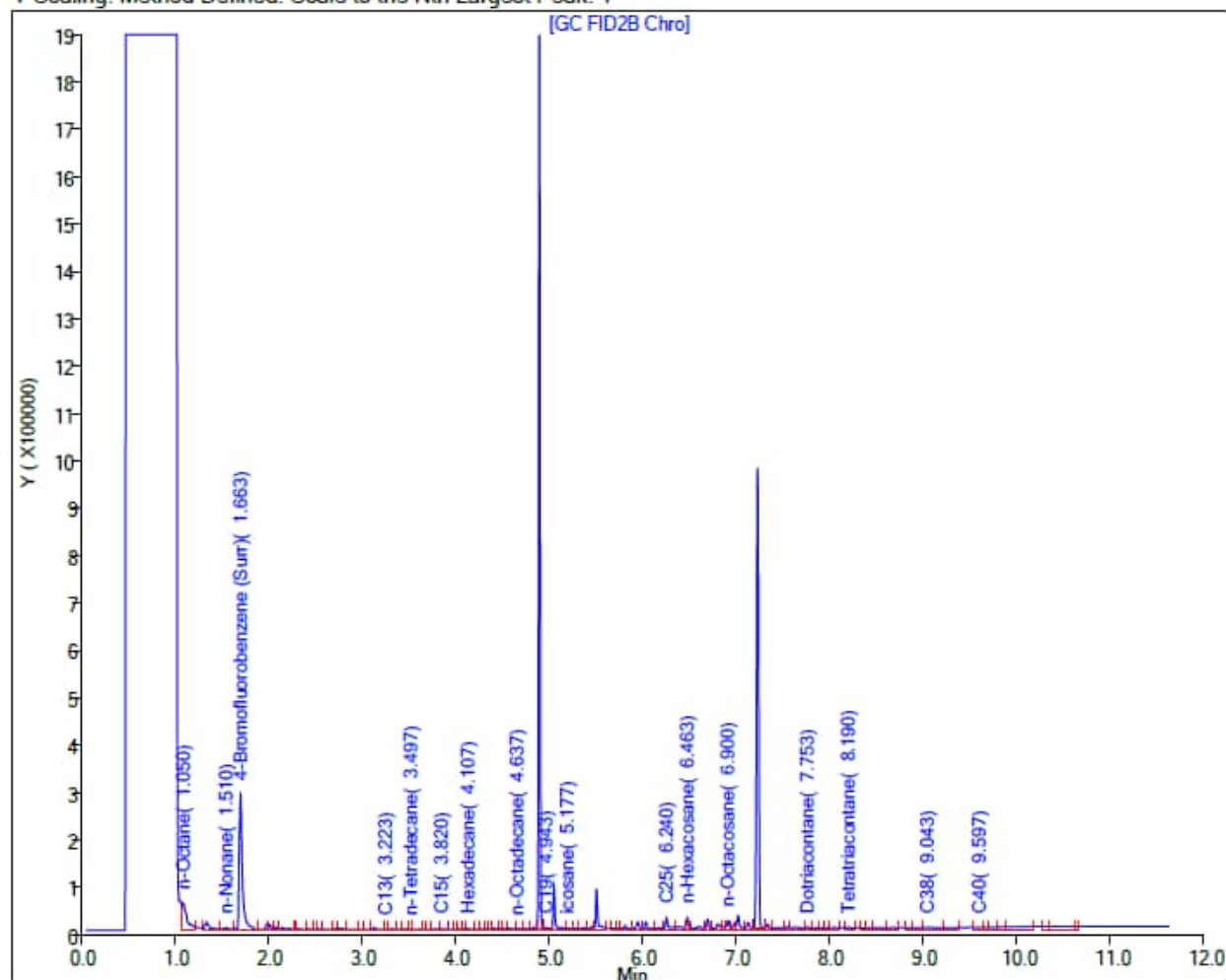
1.0000

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: **OWDFMW04A** Sample ID: OWDFMW04A-WGN01LF-2302WK3 Sample Date: 2/22/2023
Lab: Eurofins Seattle

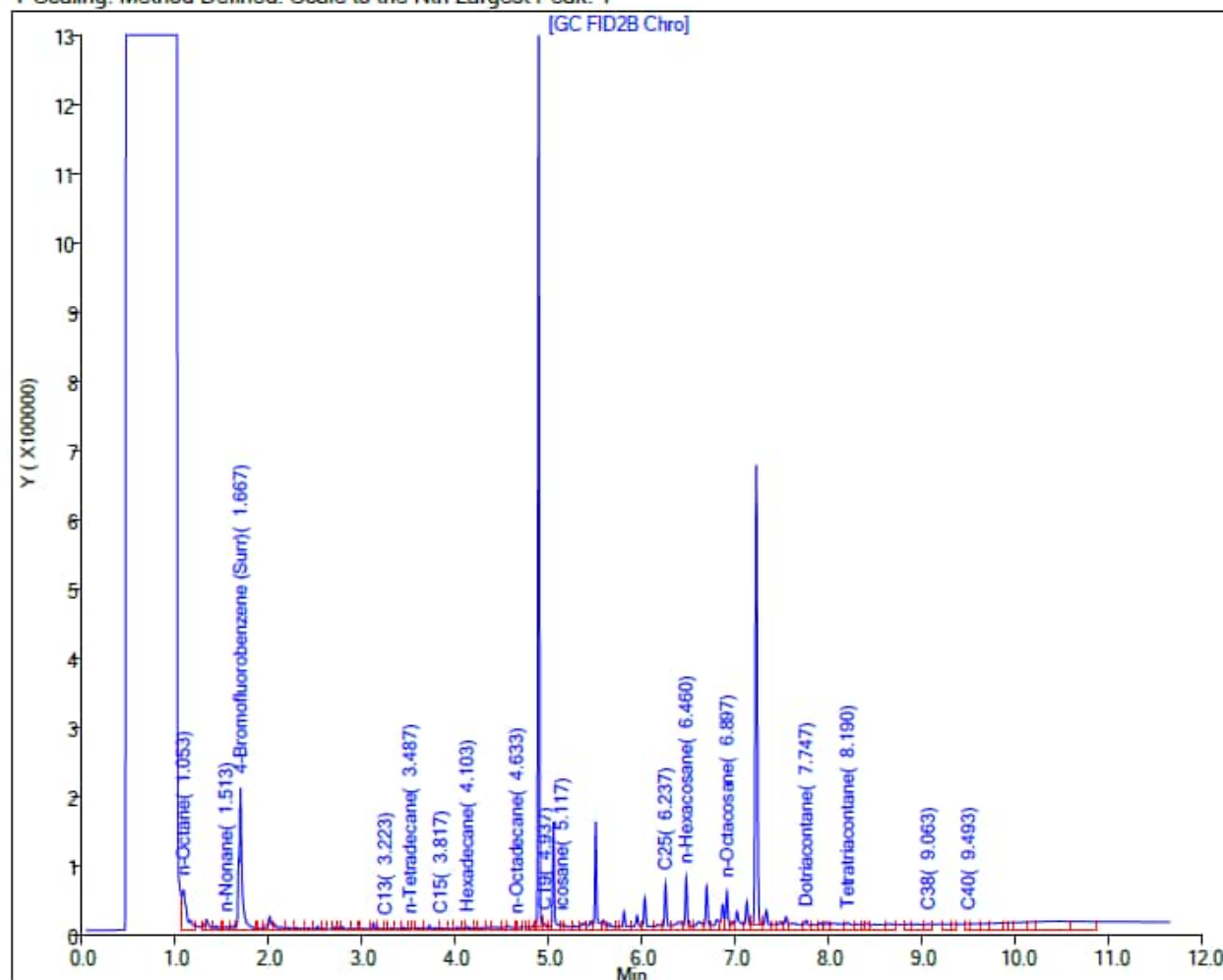
Results (ug/L): **TPH-d SGC (C10 to C24) <100 U**

TPH-o SGC (C24 to C40) <300 U

Report Date: 01-Mar-2023 18:04:57

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230228-87273.b\022823A077.D
Injection Date: 01-Mar-2023 00:28:24 Instrument ID: TAC129_R
Lims ID: 580-123907-O-9-A Lab Sample ID: 580-123907-9
Client ID: OWDFMW04A-WGN01LF-2302WK3
Operator ID: KW 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



No Silica Gel Cleanup performed.

Location: **OWDFMW04A** Sample ID: OWDFMW04A-WGFD01LF-2302WK3 Sample Date: 2/22/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 01-Mar-2023 16:41:57

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230228-87273.b\022823A079.D

Injection Date: 01-Mar-2023 00:46:51

Instrument ID: TAC129_R

Lims ID: 580-123907-J-11-A

Lab Sample ID: 580-123907-11

Client ID: OWDFMW04A-WGFD01LF-2302WK3

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

40

Injection Vol: 1.0 uL

Dil. Factor:

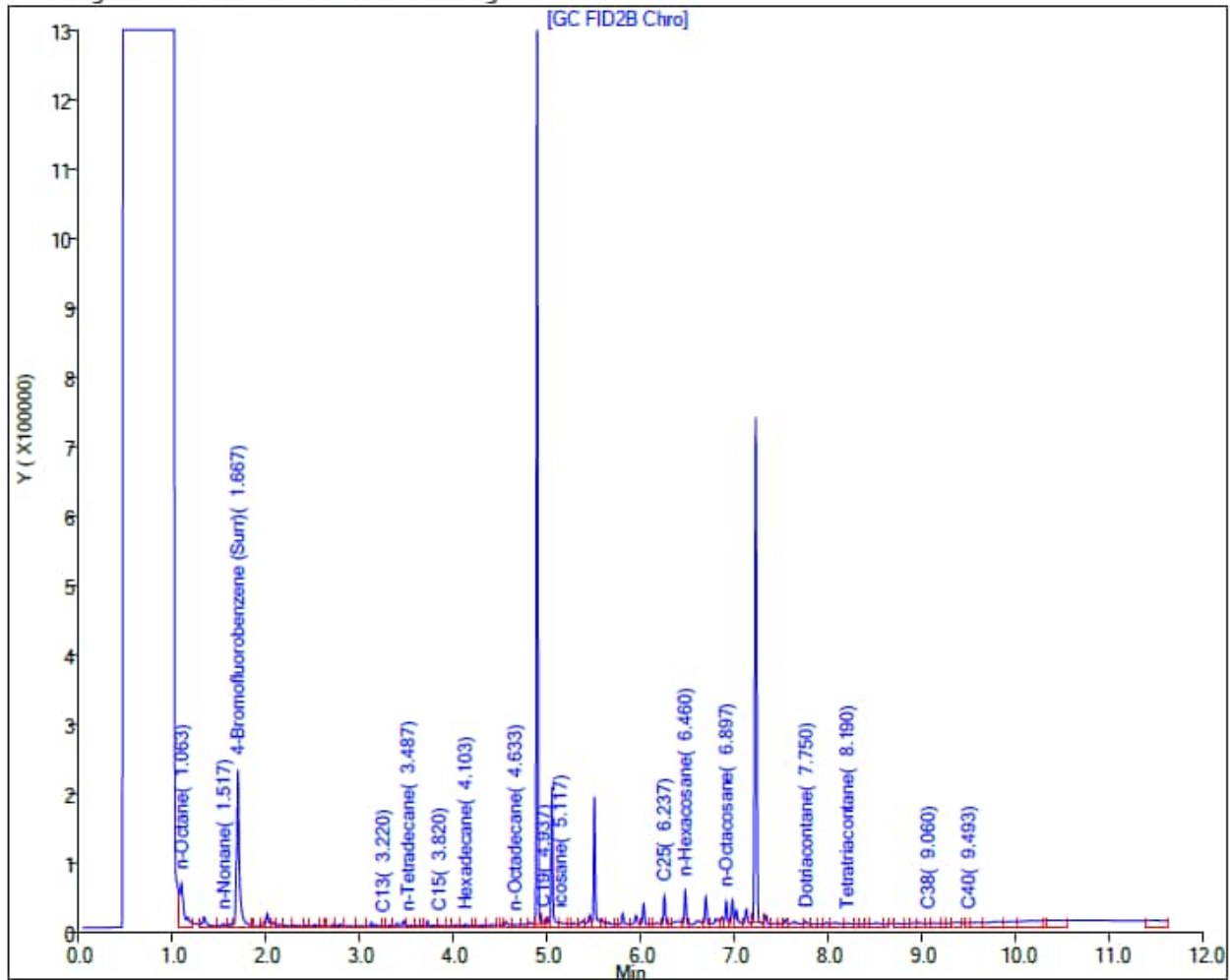
1.0000

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: **OWDFMW04A** Sample ID: OWDFMW04A-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: 08-Mar-2023 08:41:31

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A078.D

Injection Date: 07-Mar-2023 21:46:42

Instrument ID: TAC129

Lims ID: 580-124238-N-9-A

Lab Sample ID: 580-124238-9

Client ID: OWDFMW04A-WGN01LF-2302WK4

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

37

Injection Vol: 1.0 uL

Dil. Factor:

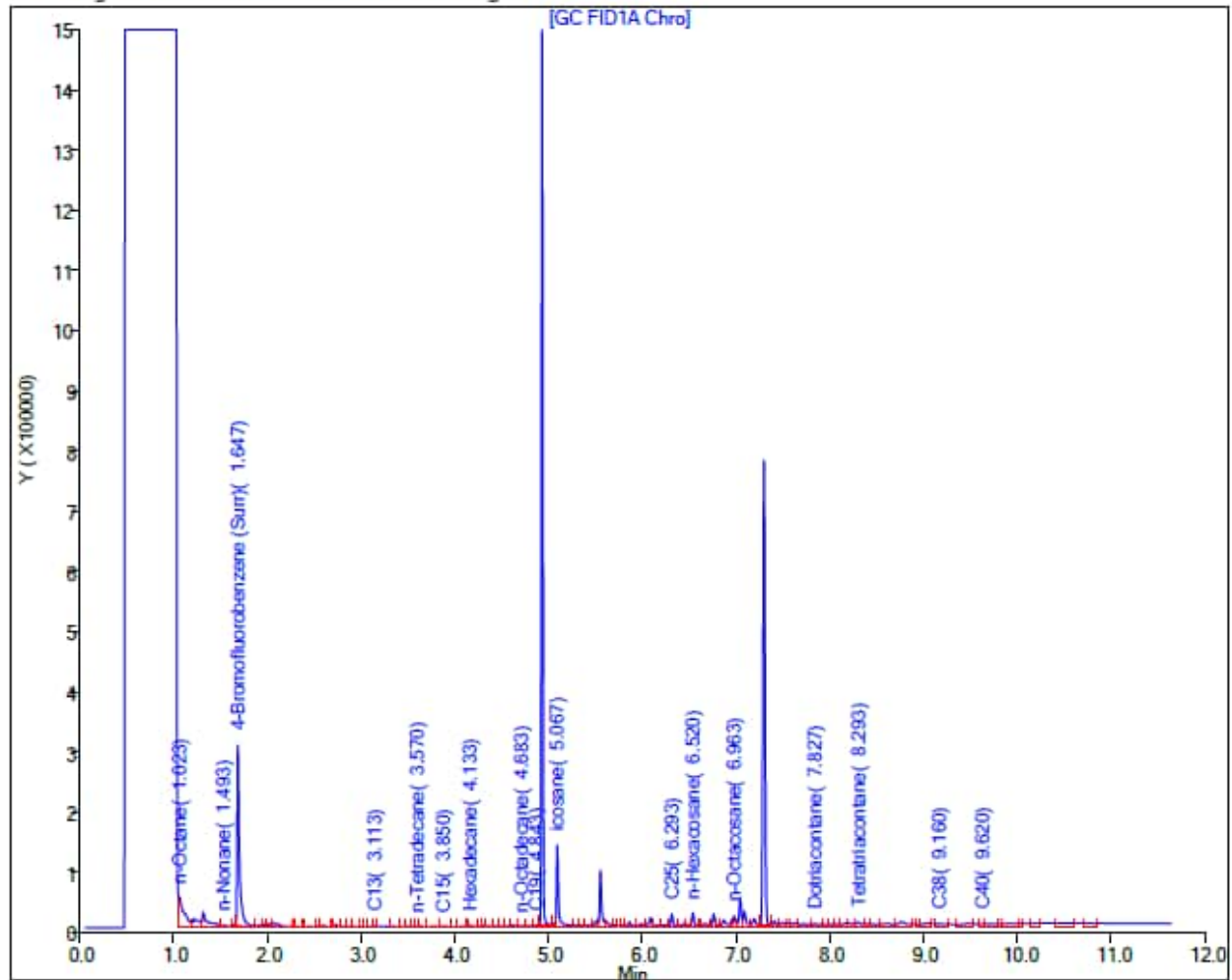
1.0000

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: **OWDFMW04A** Sample ID: OWDFMW04A-WGFD01LF-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: 08-Mar-2023 08:41:33

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A080.D

Injection Date: 07-Mar-2023 22:05:12

Instrument ID: TAC129

Lims ID: 580-124238-J-11-A

Lab Sample ID: 580-124238-11

Client ID: OWDFMW04A-WGFD01LF-2302WK4

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

38

Injection Vol: 1.0 uL

Dil. Factor:

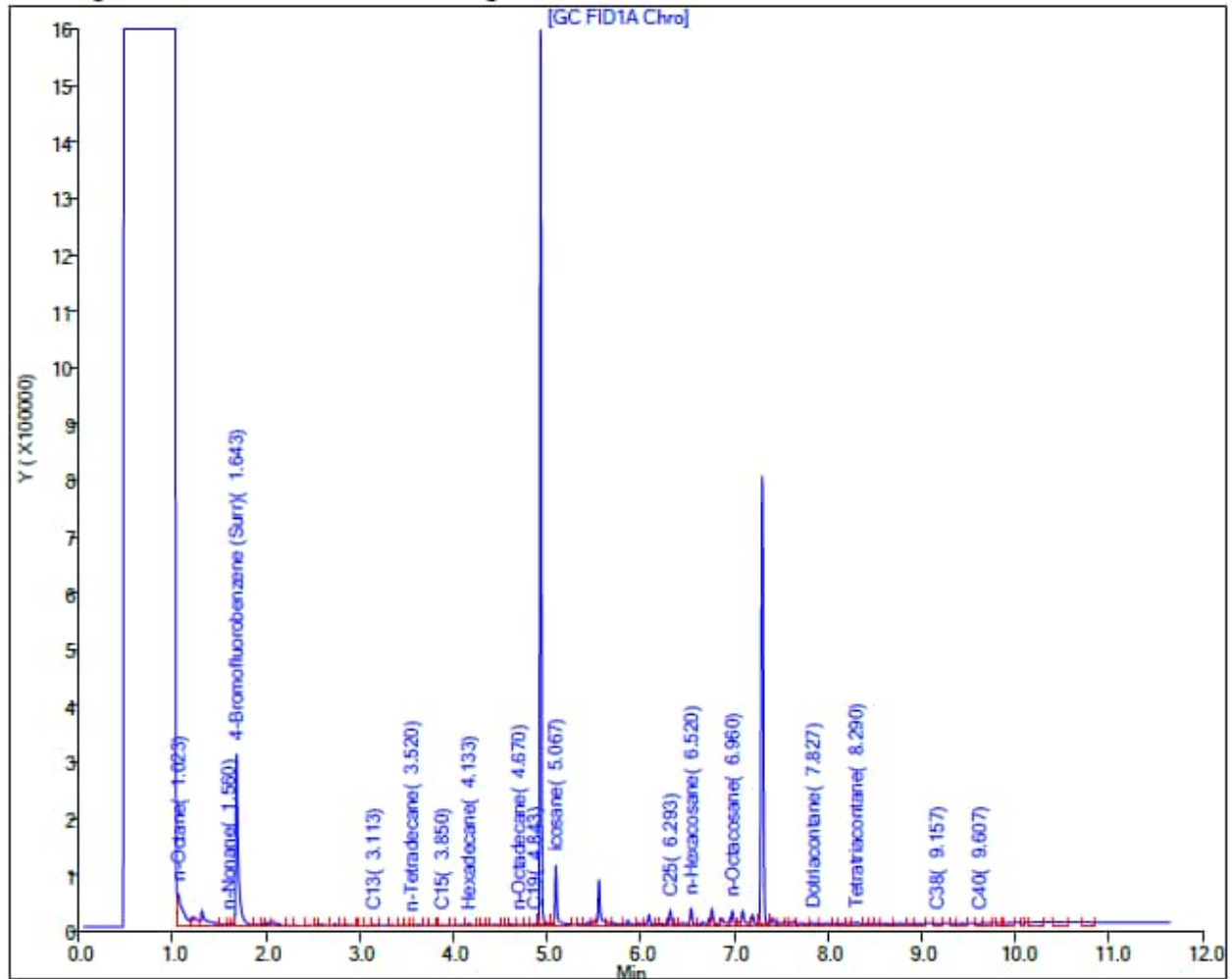
1.0000

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: **OWDFMW04A** Sample ID: OWDFMW04A-WGN01LF-2303WK2 Sample Date: 3/15/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <83 U**

TPH-o (C24 to C40) <250 U

Report Date: 28-Mar-2023 08:58:49

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A015.D

Injection Date: 27-Mar-2023 16:21:46

Instrument ID: TAC020

Lims ID: 580-124868-O-1-A

Lab Sample ID: 580-124868-1

Client ID: OWDFMW04A-WGN01LF-2303WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 15

Injection Vol: 1.0 ul

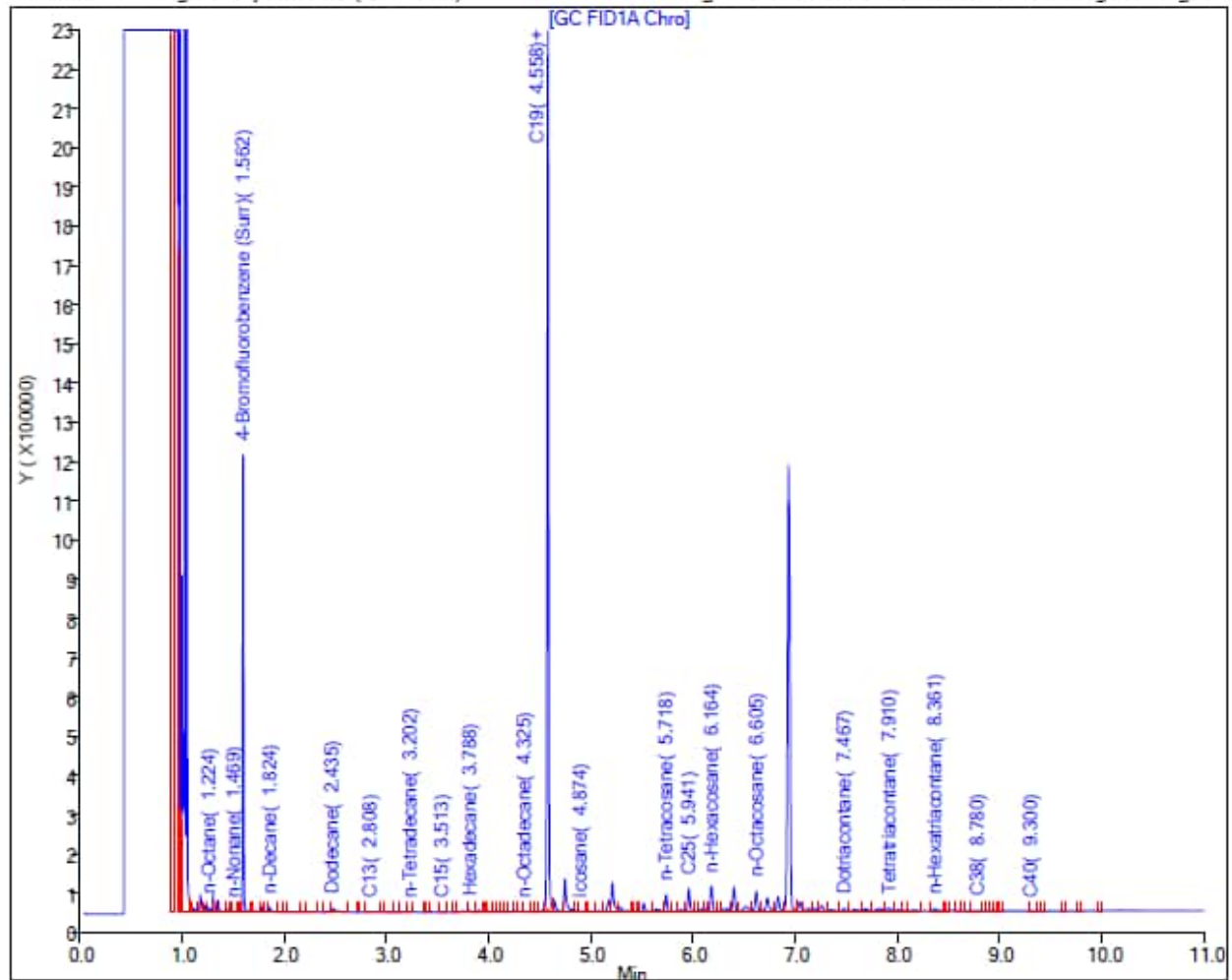
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW04A** Sample ID: OWDFMW04A-WGFD01LF-2303WK2 Sample Date: 3/15/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <82 UJ**

TPH-o (C24 to C40) <250 U

Report Date: 28-Mar-2023 08:58:54

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A016.D

Injection Date: 27-Mar-2023 16:42:01

Instrument ID: TAC020

Lims ID: 580-124868-I-3-A

Lab Sample ID: 580-124868-3

Client ID: OWDFMW04A-WGFD01LF-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 16

Injection Vol: 1.0 ul

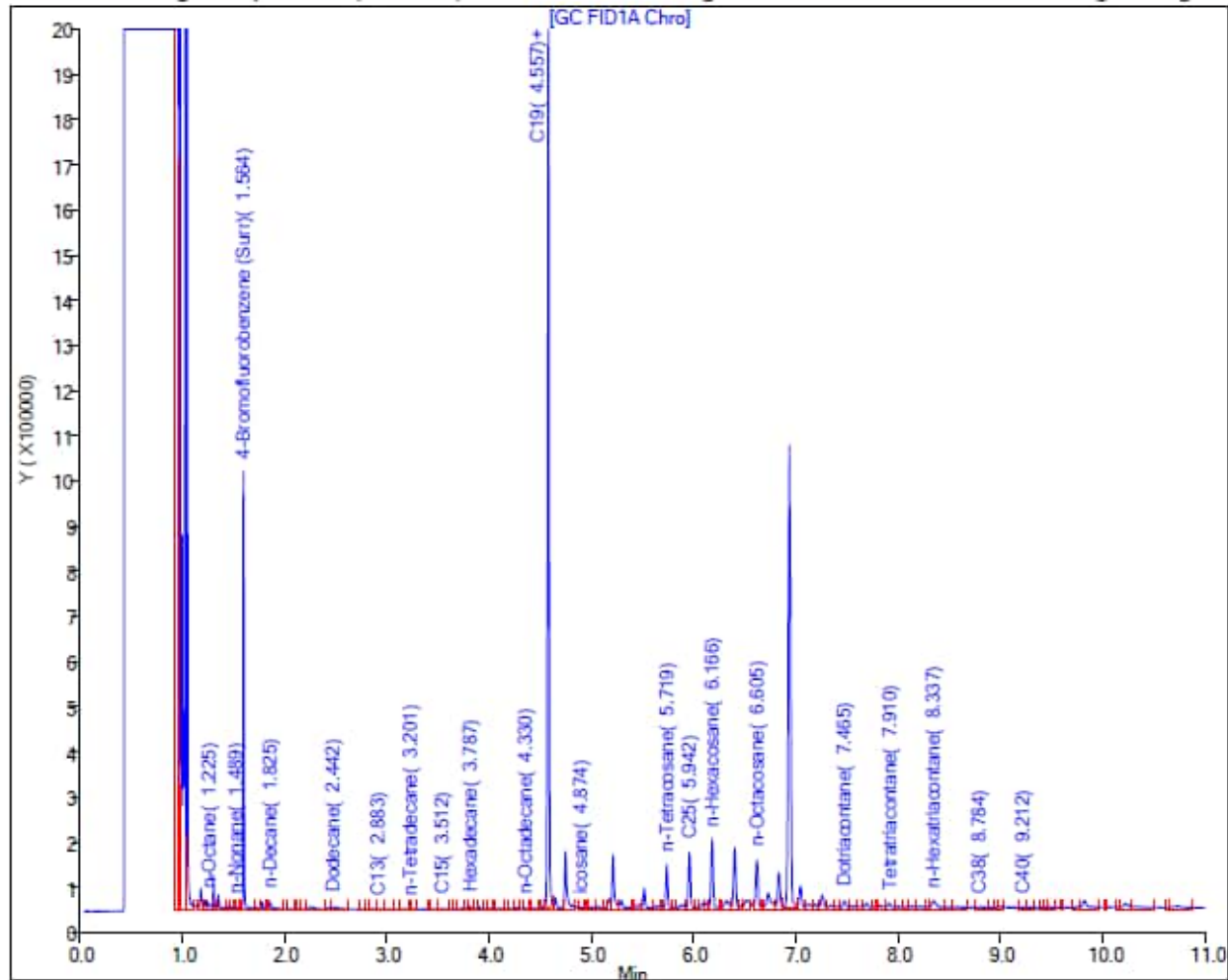
Dil. Factor: 1.0000

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: **OWDFMW04A** Sample ID: OWDFMW04A-WGN01LF-2303WK3 Sample Date: 3/22/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 31-Mar-2023 09:24:29

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230330-87724.b\033023A042.D

Injection Date: 31-Mar-2023 00:35:10

Instrument ID: TAC020

Lims ID: 580-125128-N-10-A

Lab Sample ID: 580-125128-10

Client ID: OWDFMW04A-WGN01LF-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 42

Injection Vol: 1.0 ul

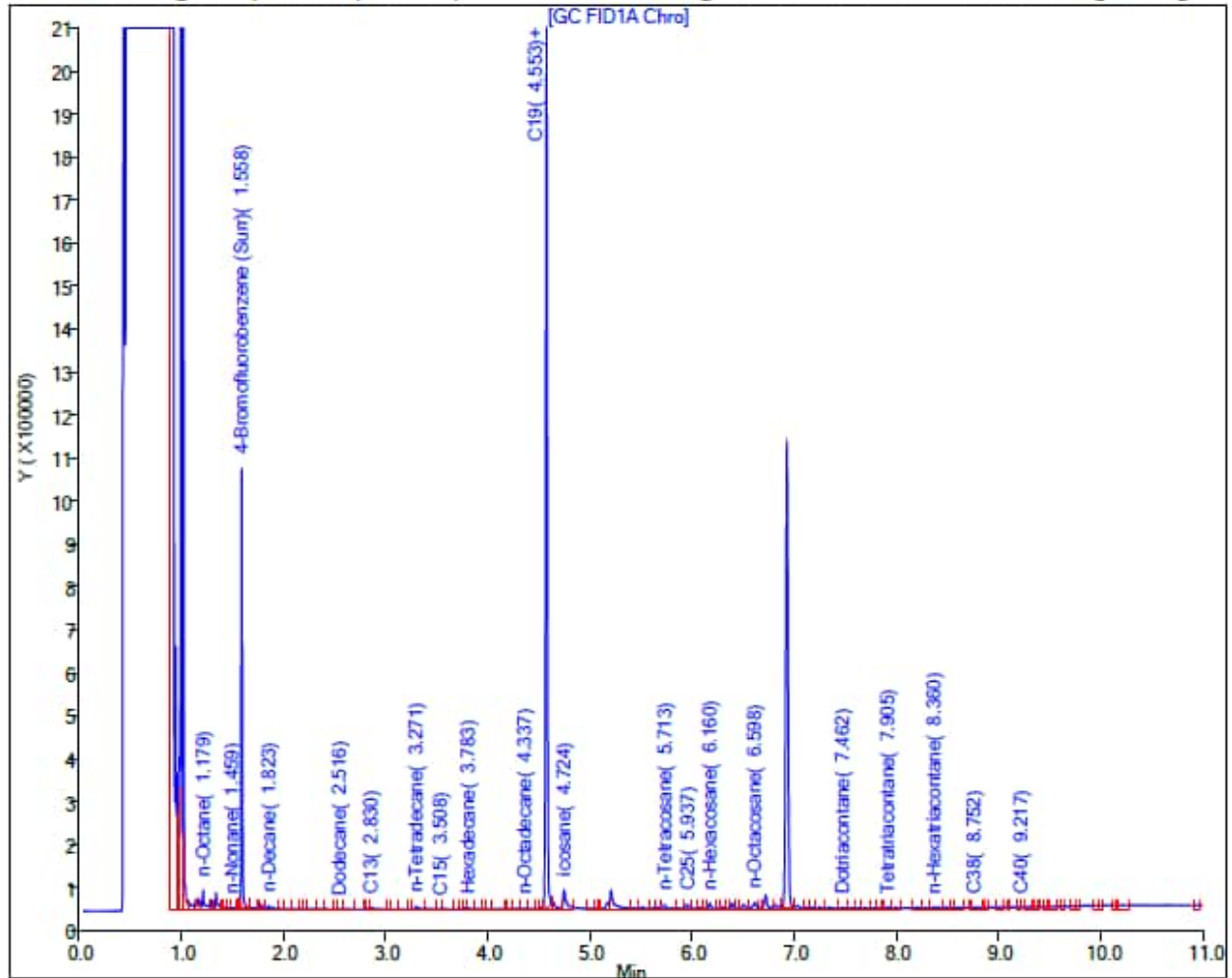
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW04A** Sample ID: OWDFMW04A-WGFD01LF-2303WK3 Sample Date: 3/22/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 31-Mar-2023 09:24:33

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230330-87724.b\033023A043.D

Injection Date: 31-Mar-2023 00:55:24

Instrument ID: TAC020

Lims ID: 580-125128-J-12-A

Lab Sample ID: 580-125128-12

Client ID: OWDFMW04A-WGFD01LF-2303WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 43

Injection Vol: 1.0 ul

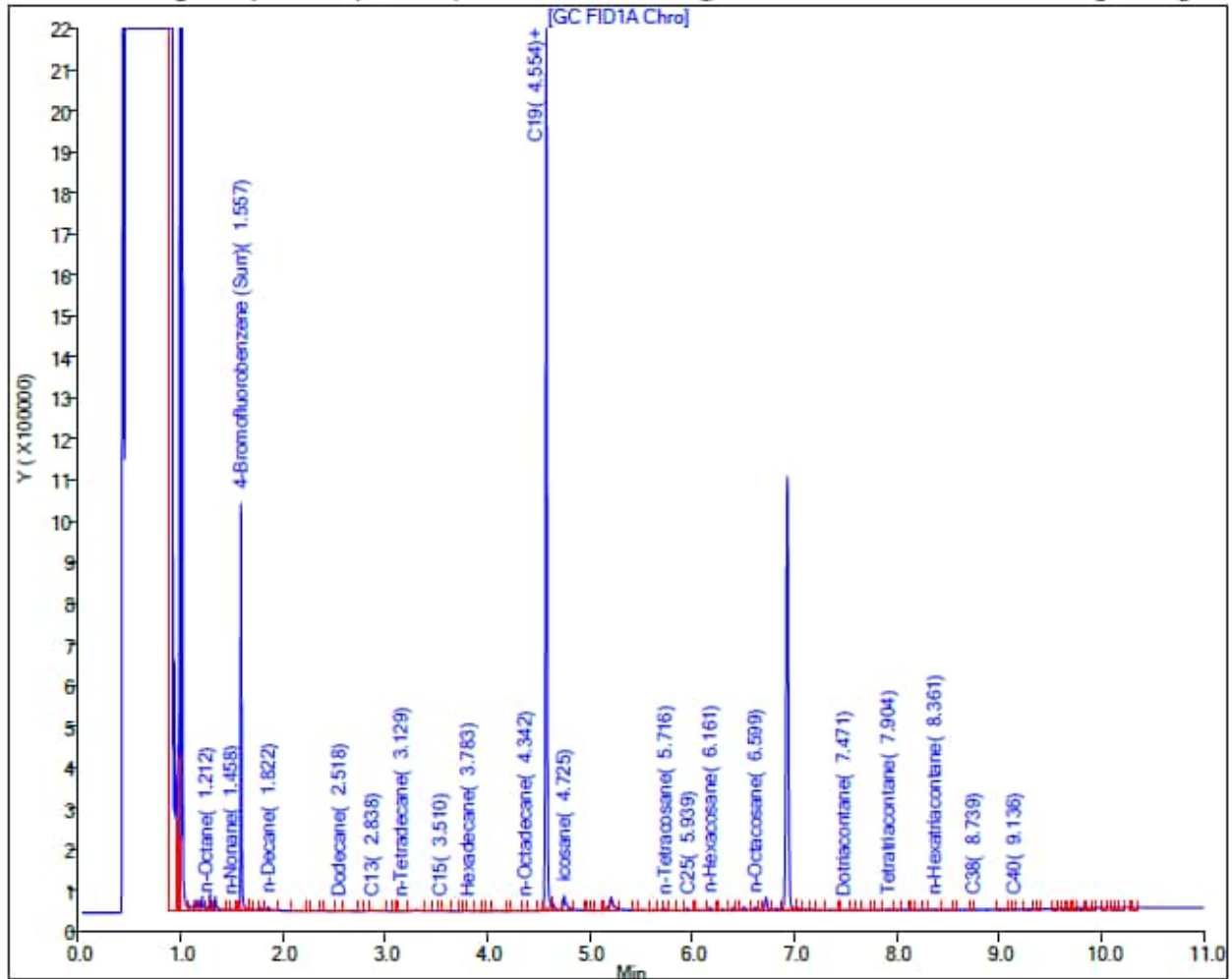
Dil. Factor: 1.0000

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-WGN01LF-2303WK4 Sample Date: 3/29/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 05-Apr-2023 11:51:37

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A039.D

Injection Date: 04-Apr-2023 22:26:17

Instrument ID: TAC020

Lims ID: 580-125353-O-4-A

Lab Sample ID: 580-125353-4

Client ID: OWDFMW04A-WGN01LF-2303WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 39

Injection Vol: 1.0 ul

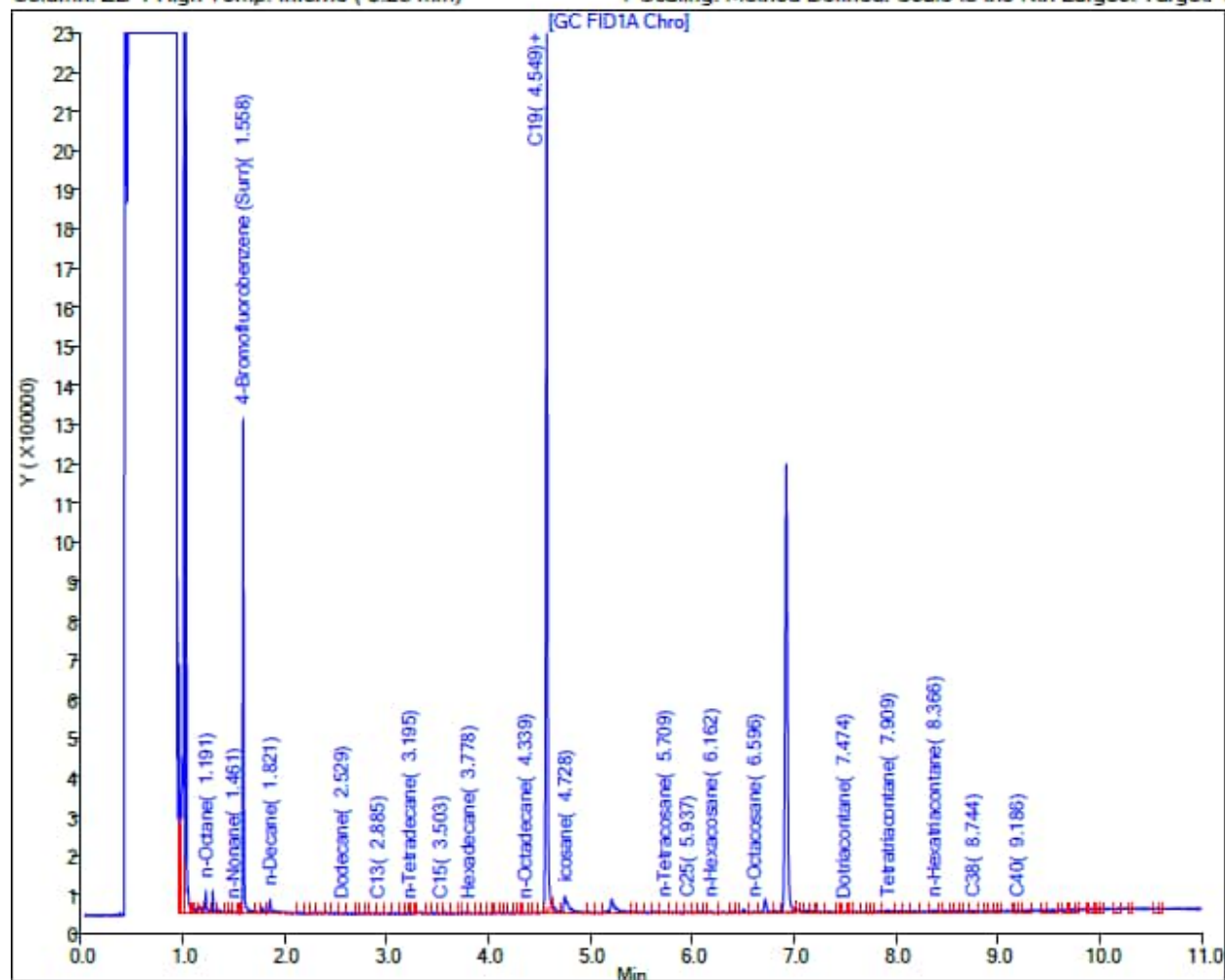
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW04A** Sample ID: OWDFMW04A-WGFD01LF-2303WK4 Sample Date: 3/29/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 05-Apr-2023 11:51:41

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A040.D

Injection Date: 04-Apr-2023 22:46:53

Instrument ID: TAC020

Lims ID: 580-125353-J-6-A

Lab Sample ID: 580-125353-6

Client ID: OWDFMW04A-WGFD01LF-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 40

Injection Vol: 1.0 ul

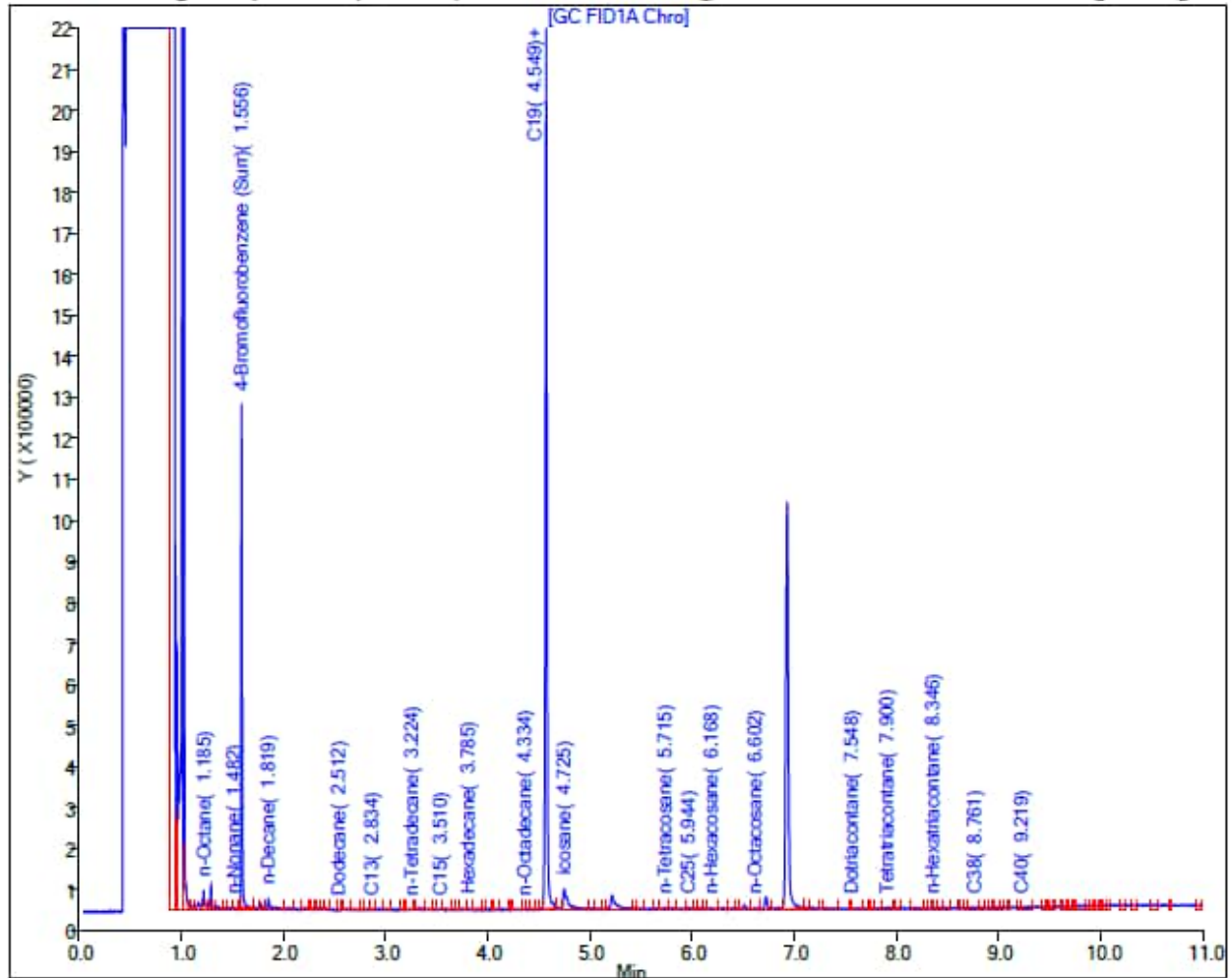
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW04A** Sample ID: OWDFMW04A-WGN01LF-2304WK1 Sample Date: 4/5/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 11-Apr-2023 16:40:33

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230411-87899.b\041123A005.D

Injection Date: 11-Apr-2023 15:24:25

Instrument ID: TAC020

Lims ID: 580-125642-N-5-A

Lab Sample ID: 580-125642-5

Client ID: OWDFMW04A-WGN01LF-2304WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 5

Injection Vol: 1.0 ul

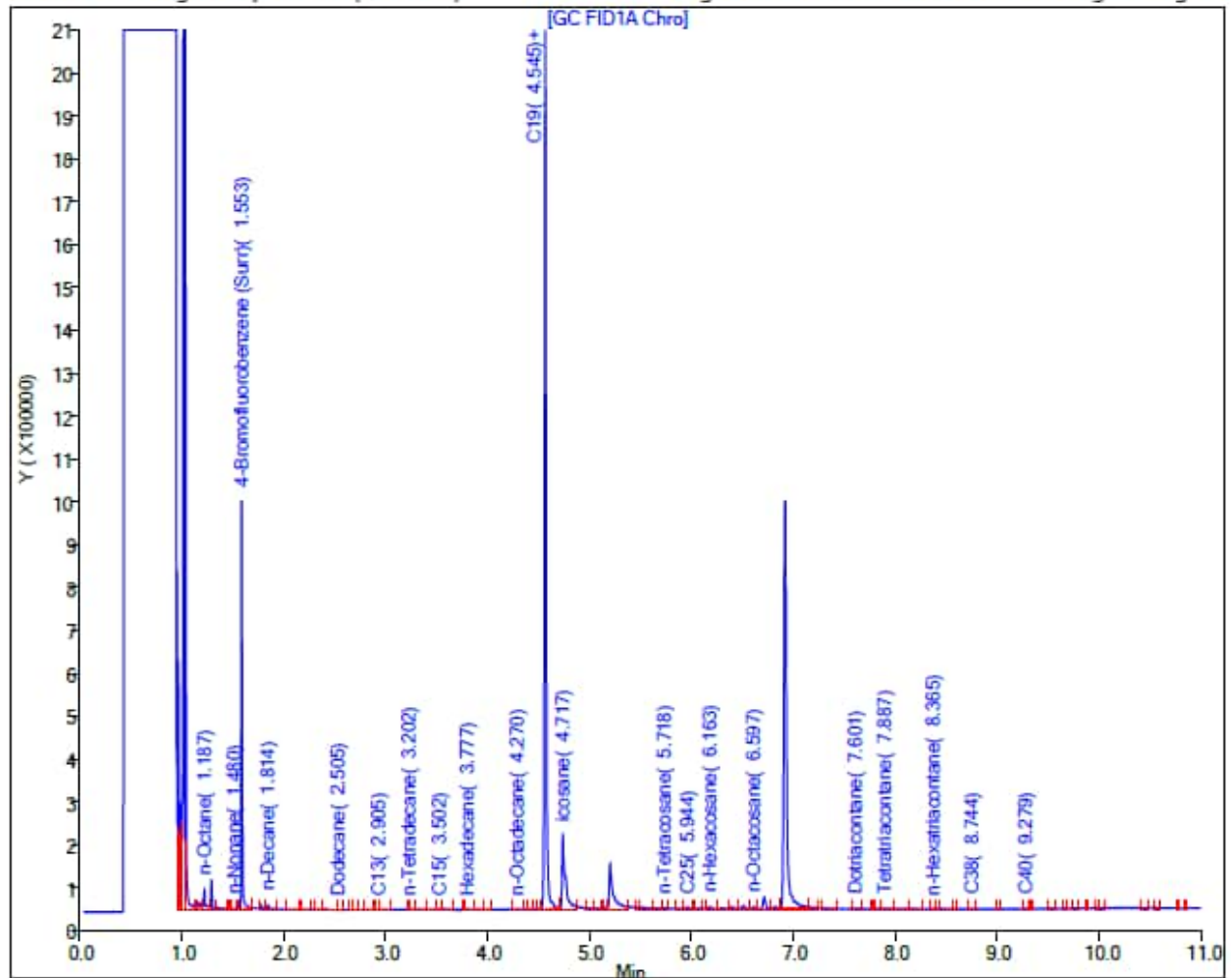
Dil. Factor: 1.0000

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-2304WK1 Sample Date: 4/5/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 11-Apr-2023 09:28:41

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230410-87867.b\041023A055.D

Injection Date: 11-Apr-2023 04:30:59

Instrument ID: TAC020

Lims ID: 580-125642-I-7-A

Lab Sample ID: 580-125642-7

Client ID: OWDFMW04A-WGFD01LF-2304WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 55

Injection Vol: 1.0 ul

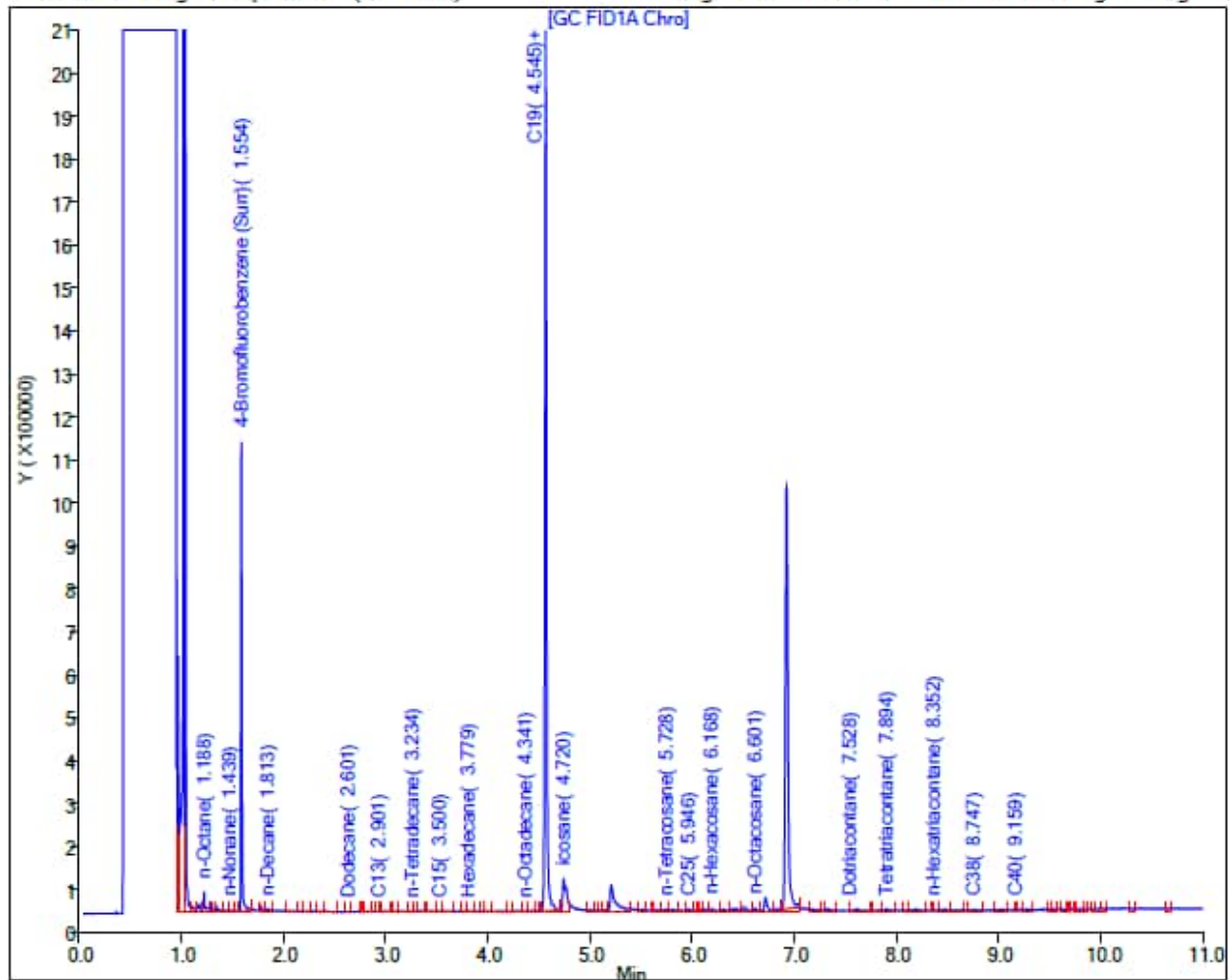
Dil. Factor: 1.0000

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: **OWDFMW04A** Sample ID: OWDFMW04A-WGN01LF-2305WK1 Sample Date: 5/2/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 09-May-2023 08:22:35

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230508-88306.b\050823A014.D

Injection Date: 08-May-2023 18:03:15

Instrument ID: TAC020

Lims ID: 580-126837-O-10-A

Lab Sample ID: 580-126837-10

Client ID: OWDFMW04A-WGN01LF-2305WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 54

Injection Vol: 1.0 ul

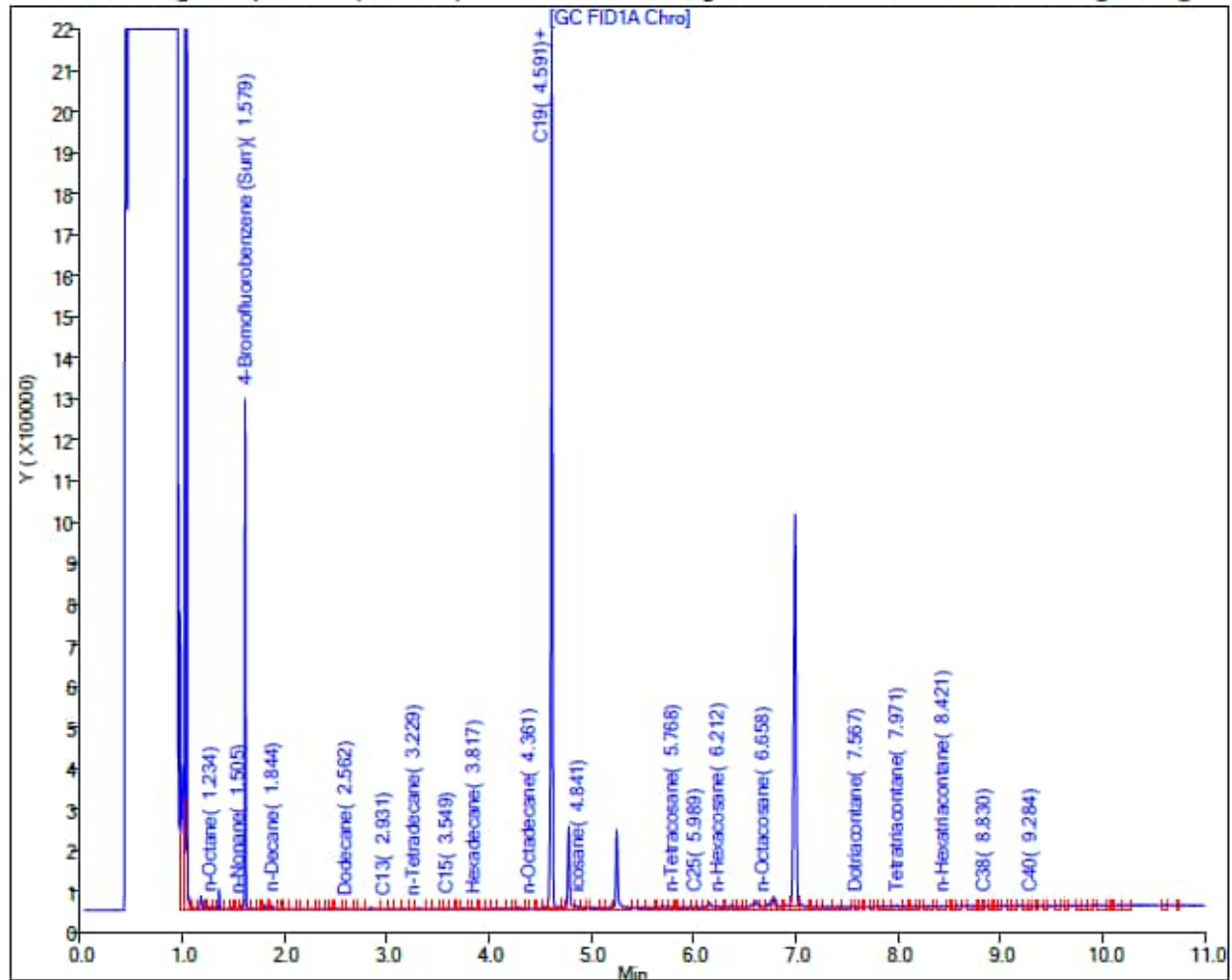
Dil. Factor: 1.0000

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-2305WK1 Sample Date: 5/2/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 08-May-2023 11:30:15

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230505-88267_b\050523B059.D

Injection Date: 05-May-2023 22:35:03

Instrument ID: TAC129_R

Lims ID: 580-126837-J-12-A

Lab Sample ID: 580-126837-12

Client ID: OWDFMW04A-WGFD01LF-2305WK1

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

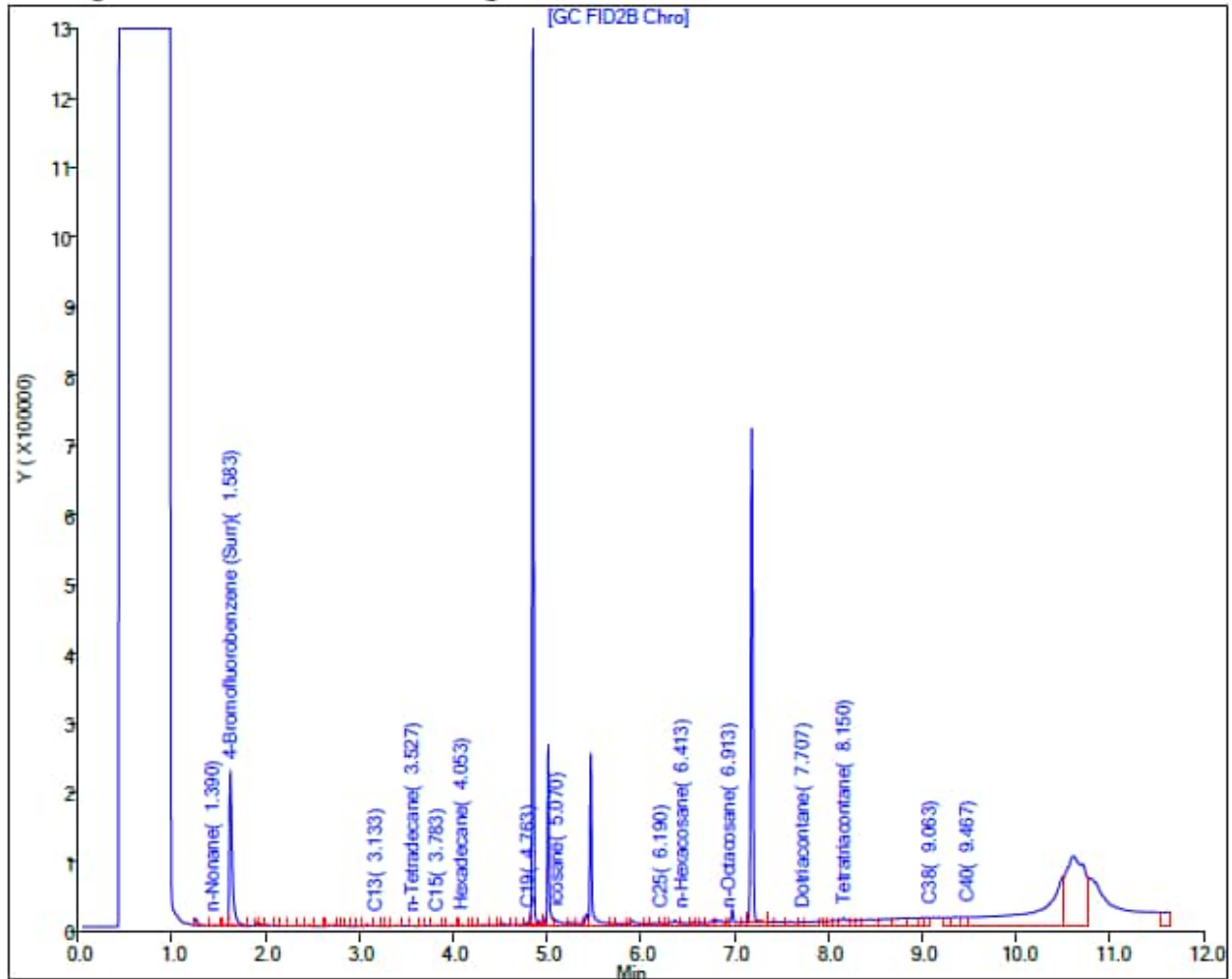
1.0000

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: **OWDFMW04A** Sample ID: OWDFMW04A-WGN01LF-2305WK3 Sample Date: 5/17/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 22-May-2023 09:31:49

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230519-88500.b\051923A041.D

Injection Date: 20-May-2023 00:06:35

Instrument ID: TAC020

Lims ID: 580-127393-N-5-A

Lab Sample ID: 580-127393-5

Client ID: OWDFMW04A-WGN01LF-2305WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 41

Injection Vol: 1.0 ul

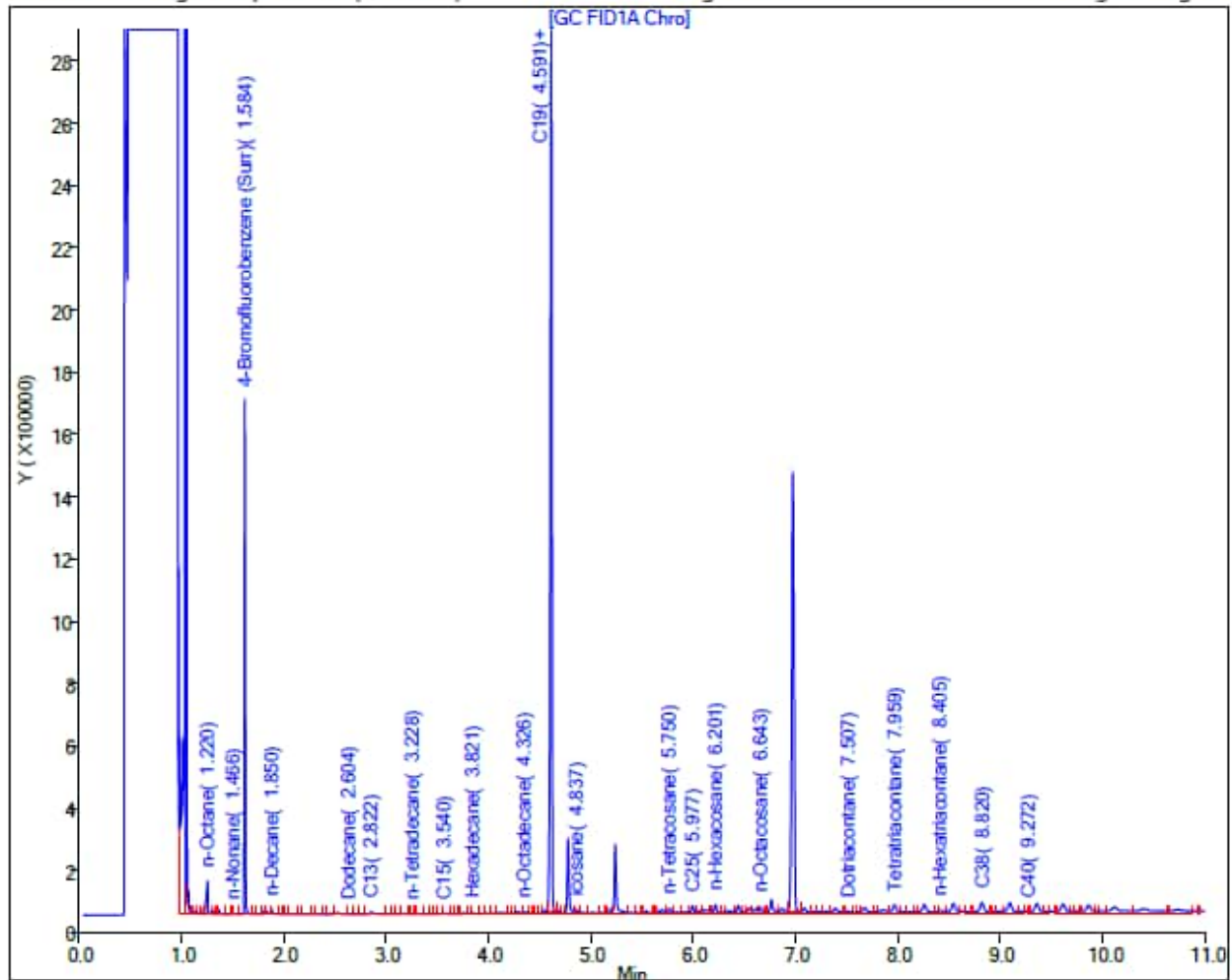
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW04A** Sample ID: OWDFMW04A-WGFD01LF-2305WK3 Sample Date: 5/17/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 22-May-2023 09:31:53

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230519-88500.b\051923A042.D

Injection Date: 20-May-2023 00:26:42

Instrument ID: TAC020

Lims ID: 580-127393-J-7-A

Lab Sample ID: 580-127393-7

Client ID: OWDFMW04A-WGFD01LF-2305WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 42

Injection Vol: 1.0 ul

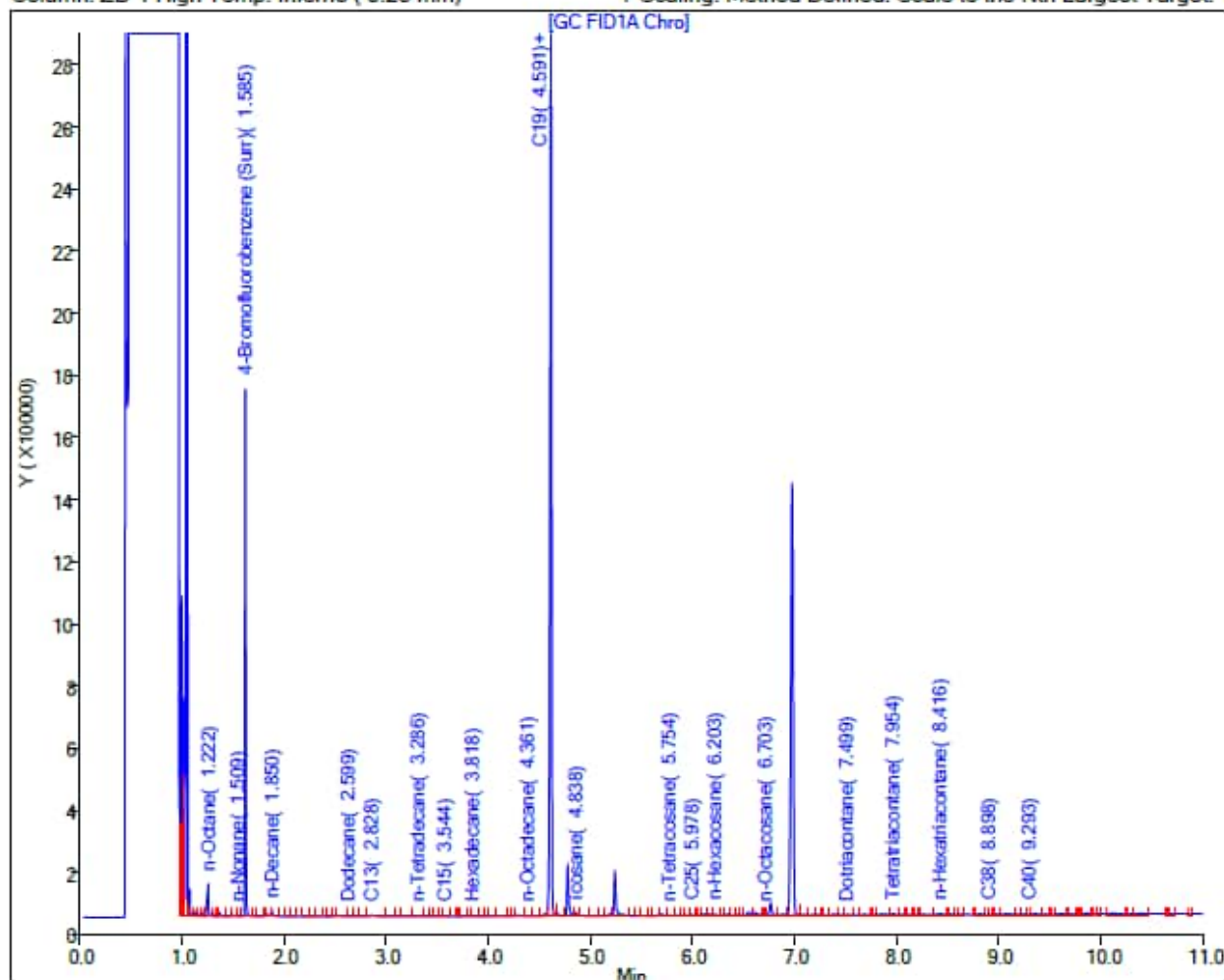
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW05A** Sample ID: OWDFMW05A-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) <310 U

Report Date: 21-Feb-2023 08:28:00

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230220-87172.b\0220a23_013.D

Injection Date: 20-Feb-2023 21:53:37

Instrument ID: TAC020

Lims ID: 580-123592-O-8-A

Lab Sample ID: 580-123592-8

Client ID: OWDFMW05A-WGN01LF-2302WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 23

Injection Vol: 1.0 ul

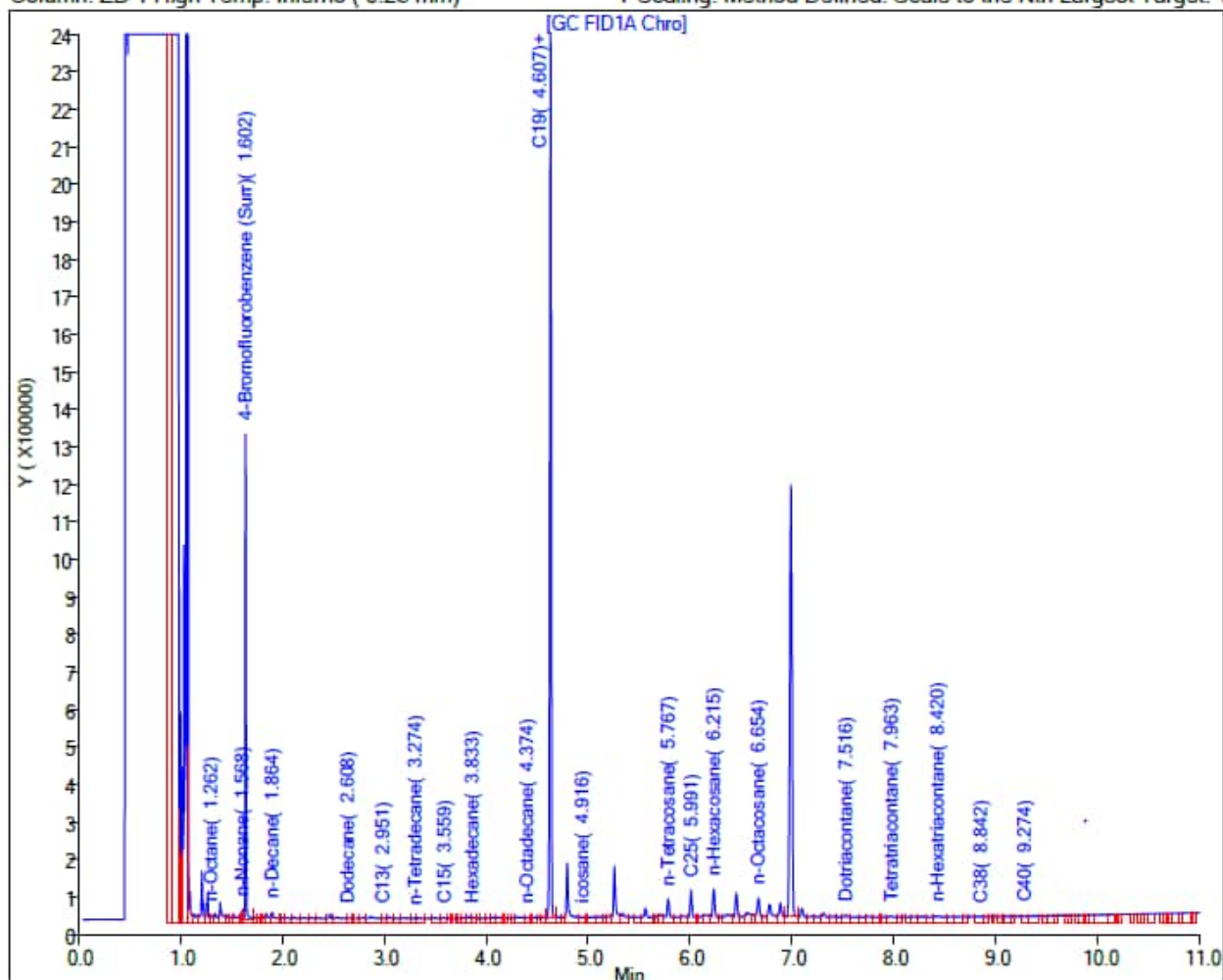
Dil. Factor: 1.0000

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: **OWDFMW05A** Sample ID: OWDFMW05A-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: 02-Mar-2023 10:22:45

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\0301a23A068.D

Injection Date: 02-Mar-2023 01:11:28

Instrument ID: TAC129

Lims ID: 580-123907-O-7-A

Lab Sample ID: 580-123907-7

Client ID: OWDFMW05A-WGN01LF-2302WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 81

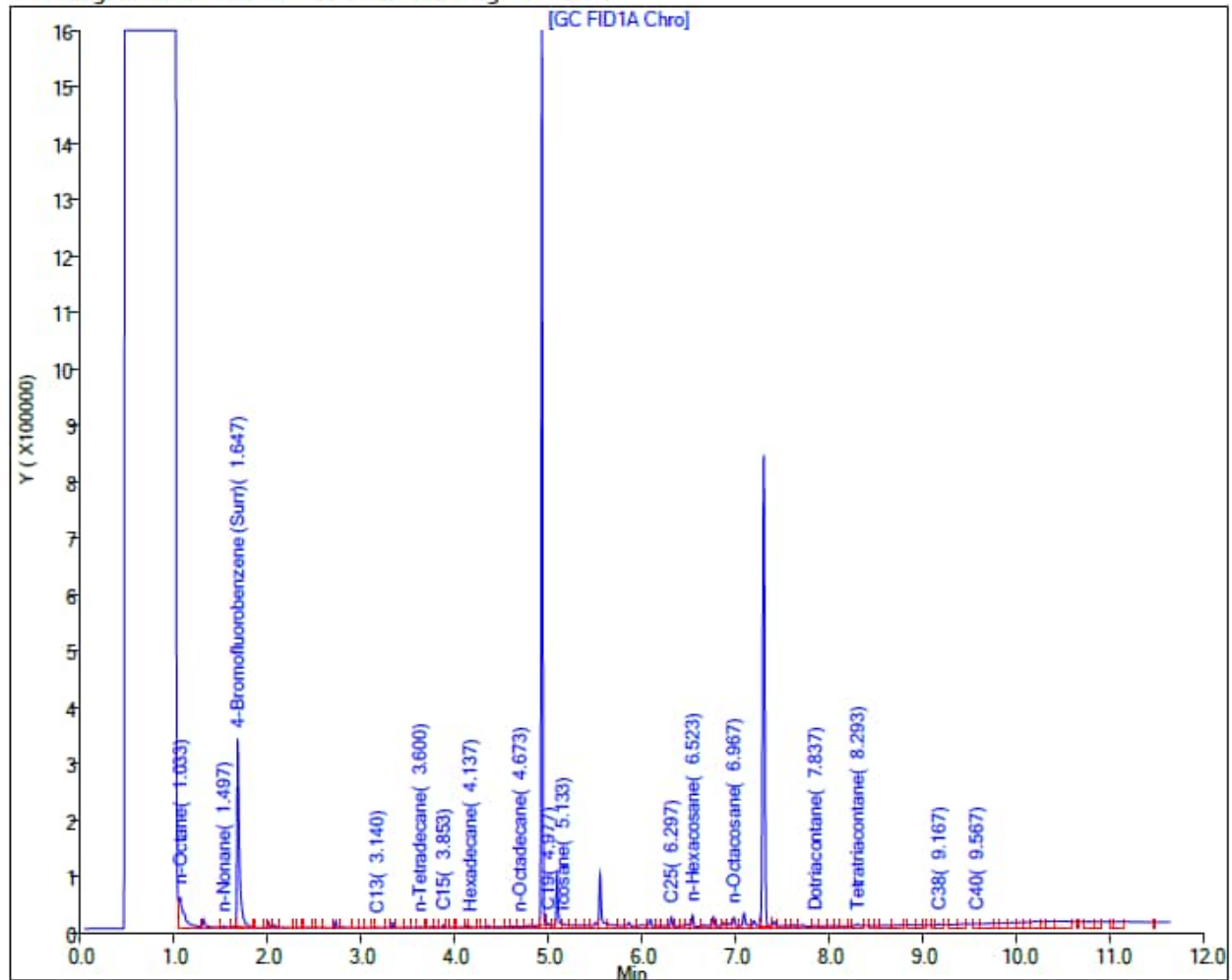
Injection Vol: 1.0 uL

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-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: 08-Mar-2023 08:41:25

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 07-Mar-2023 21:09:30 Instrument ID: TAC129

Lims ID: 580-124238-O-3-A

Lab Sample ID: 580-124238-3

Client ID: OWDFMW05A-WGN01LF-2302WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 35

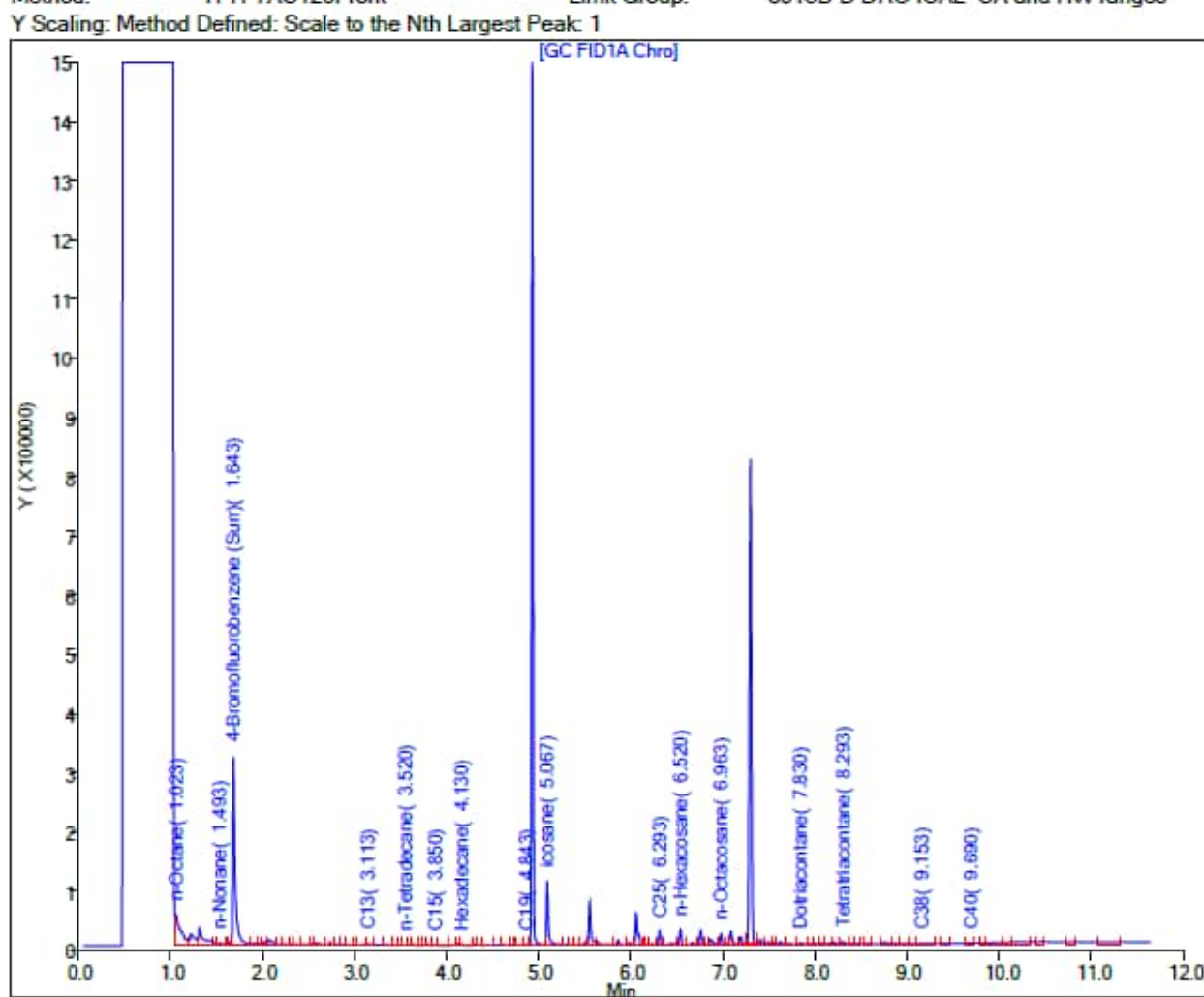
Injection Vol: 1.0 uL

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: **OWDFMW05A** Sample ID: OWDFMW05A-WGN01LF-2303WK2 Sample Date: 3/15/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 28-Mar-2023 08:58:59

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A017.D

Injection Date: 27-Mar-2023 17:02:09

Instrument ID: TAC020

Lims ID: 580-124868-N-4-A

Lab Sample ID: 580-124868-4

Client ID: OWDFMW05A-WGN01LF-2303WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 17

Injection Vol: 1.0 ul

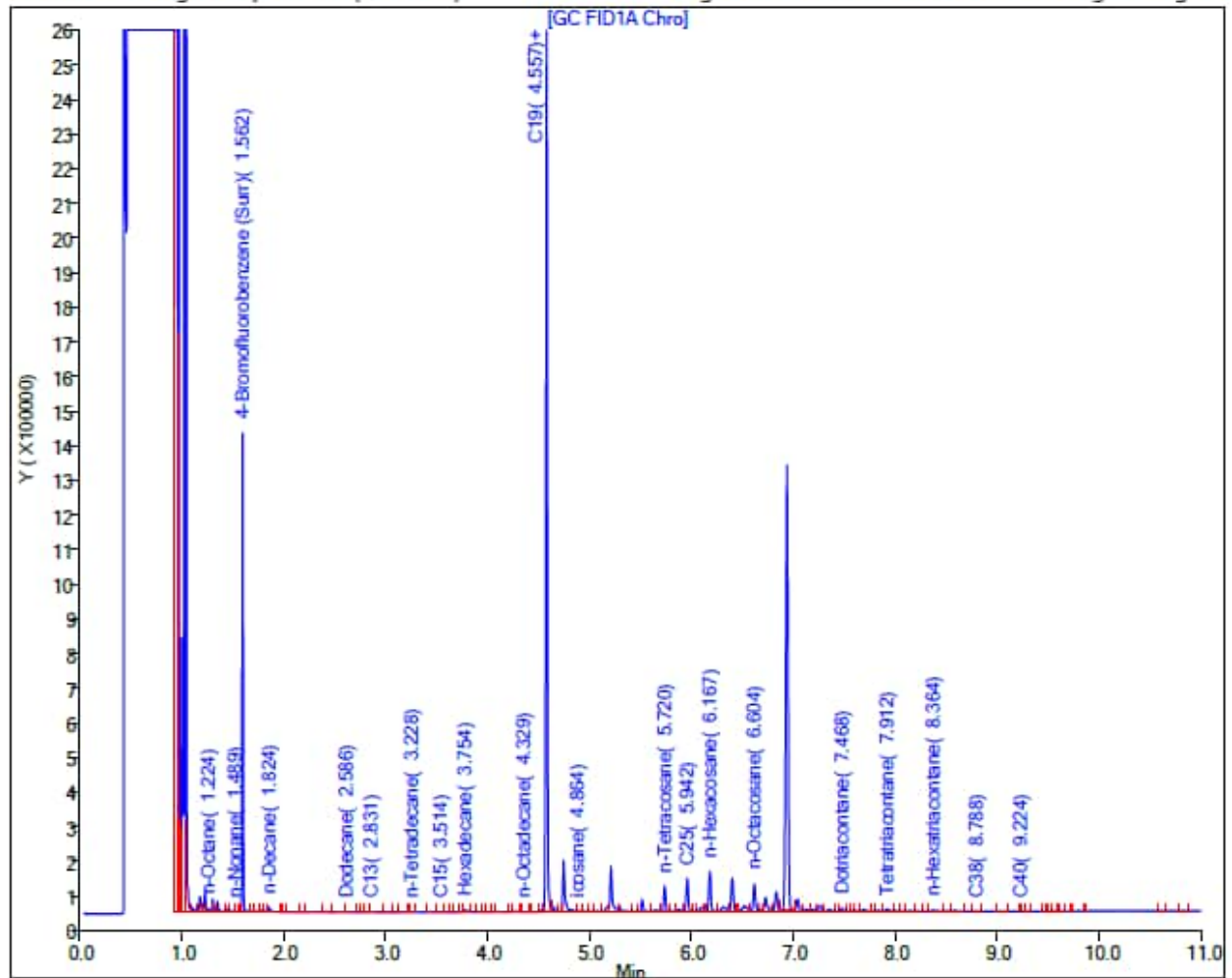
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW05A** Sample ID: OWDFMW05A-WGN01LF-2303WK3 Sample Date: 3/22/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 31-Mar-2023 09:24:37

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230330-87724.b\033023A044.D

Injection Date: 31-Mar-2023 01:15:32

Instrument ID: TAC020

Lims ID: 580-125128-N-13-A

Lab Sample ID: 580-125128-13

Client ID: OWDFMW05A-WGN01LF-2303WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 44

Injection Vol: 1.0 ul

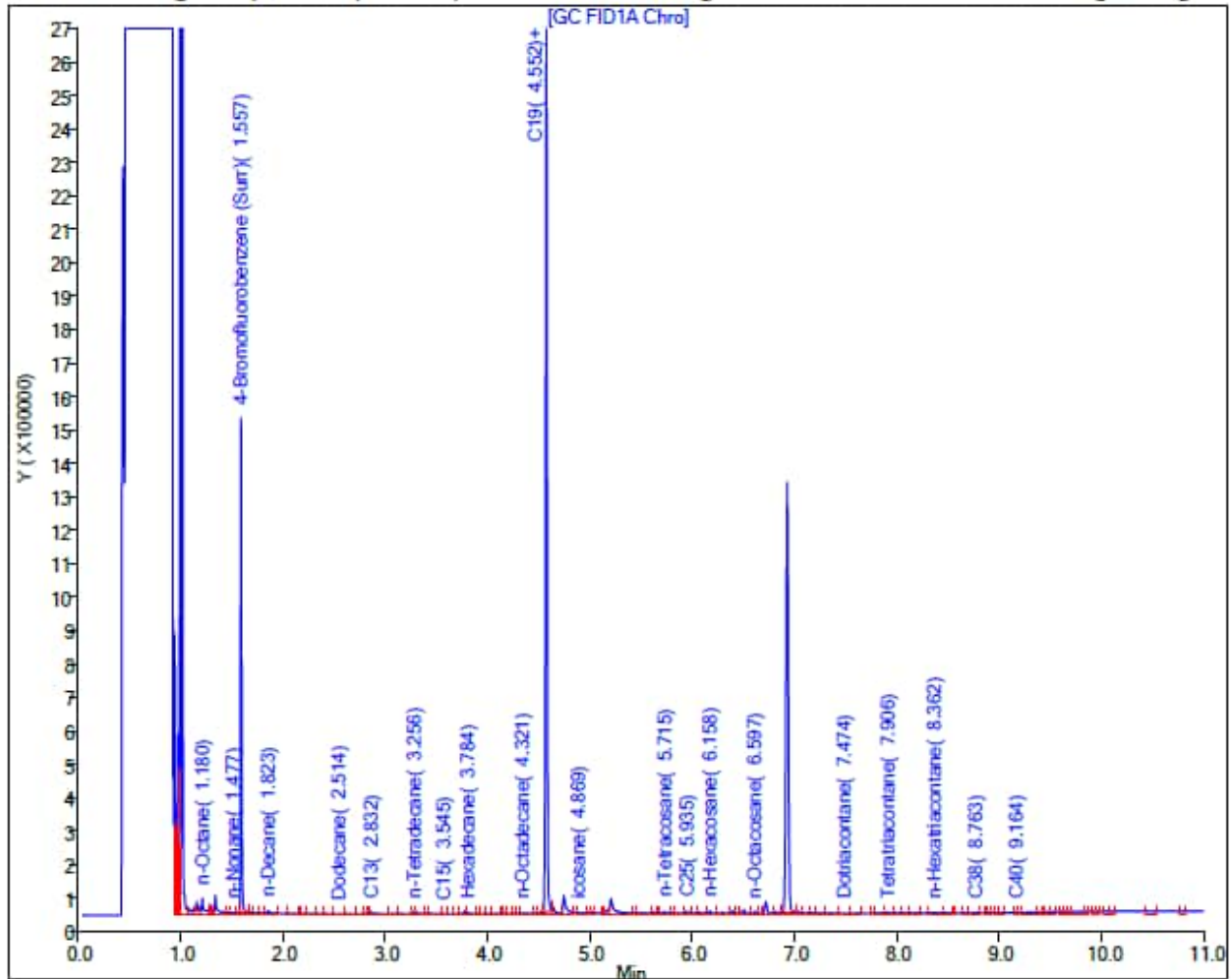
Dil. Factor: 1.0000

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-2303WK4 Sample Date: 3/29/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 05-Apr-2023 11:51:58

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A043.D

Injection Date: 04-Apr-2023 23:47:24

Instrument ID: TAC020

Lims ID: 580-125353-N-13-A

Lab Sample ID: 580-125353-13

Client ID: OWDFMW05A-WGN01LF-2303WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 43

Injection Vol: 1.0 ul

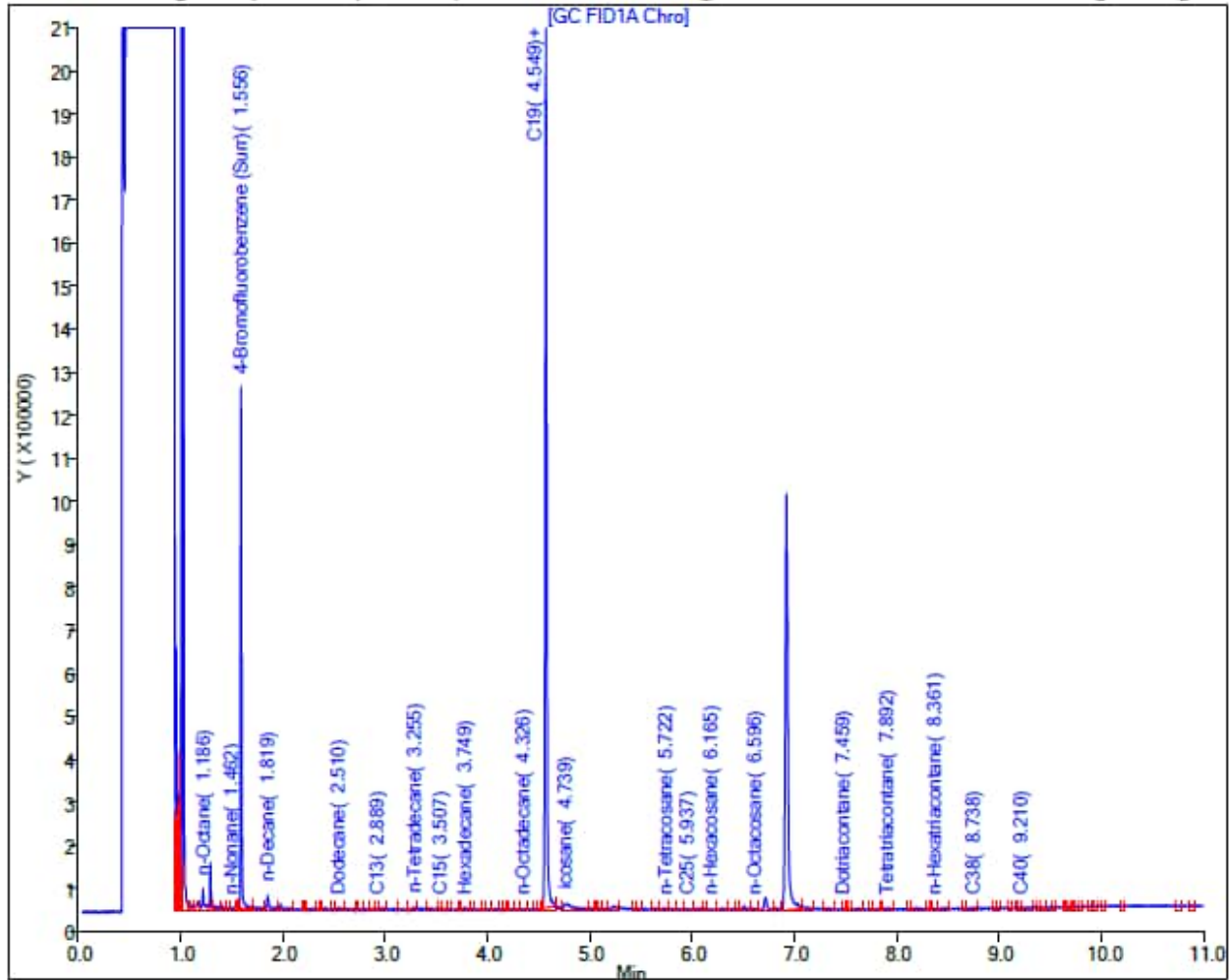
Dil. Factor: 1.0000

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-2304WK1 Sample Date: 4/5/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 11-Apr-2023 09:28:50

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230410-87867.b\041023A056.D

Injection Date: 11-Apr-2023 04:51:10

Instrument ID: TAC020

Lims ID: 580-125642-N-8-A

Lab Sample ID: 580-125642-8

Client ID: OWDFMW05A-WGN01LF-2304WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 56

Injection Vol: 1.0 ul

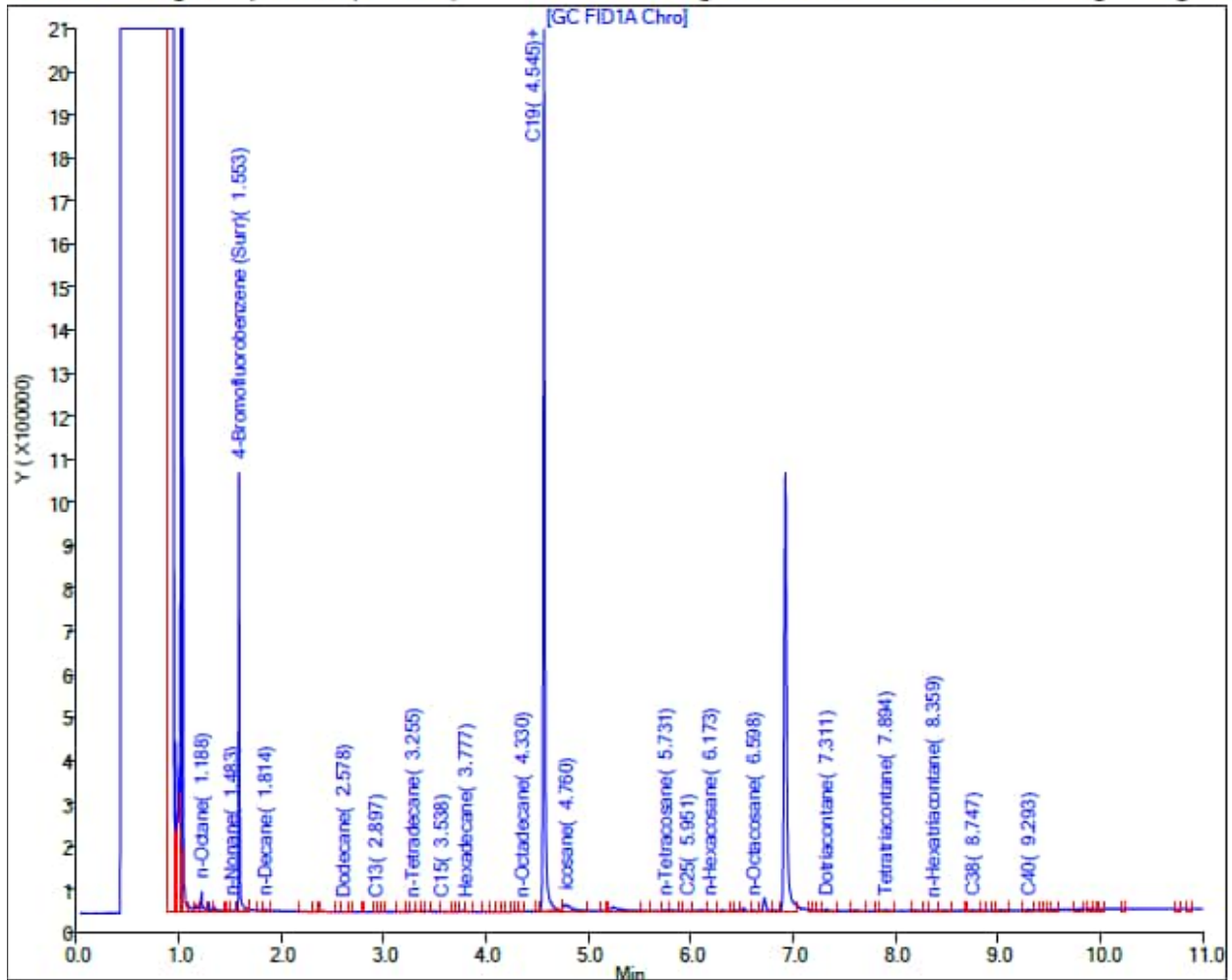
Dil. Factor: 1.0000

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: **OWDFMW05A** Sample ID: OWDFMW05A-WGN01LF-2305WK1 Sample Date: 5/2/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <110 U**

TPH-o (C24 to C40) <330 U

Report Date: 08-May-2023 11:29:59

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230505-88267.b\050523B051.D

Injection Date: 05-May-2023 21:19:56

Instrument ID: TAC129_R

Lims ID: 580-126762-O-9-A

Lab Sample ID: 580-126762-9

Client ID: OWDFMW05A-WGN01LF-2305WK1

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

26

Injection Vol: 1.0 ul

Dil. Factor:

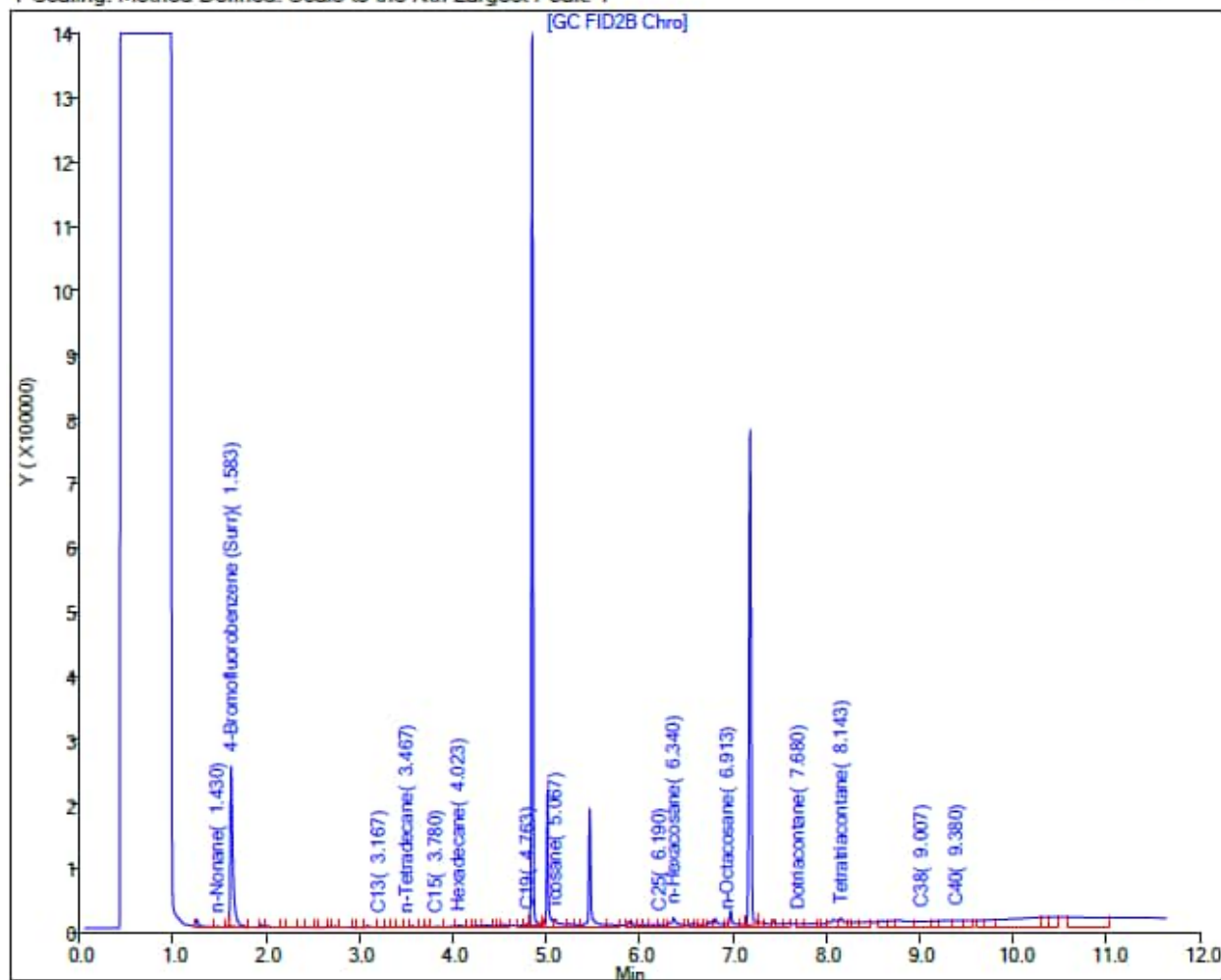
1.0000

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: **OWDFMW05A** Sample ID: OWDFMW05A-WGN01LF-2305WK3 Sample Date: 5/17/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 22-May-2023 09:31:46

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230519-88500.b\051923A040.D

Injection Date: 19-May-2023 23:46:27

Instrument ID: TAC020

Lims ID: 580-127393-N-3-A

Lab Sample ID: 580-127393-3

Client ID: OWDFMW05A-WGN01LF-2305WK3

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 40

Injection Vol: 1.0 ul

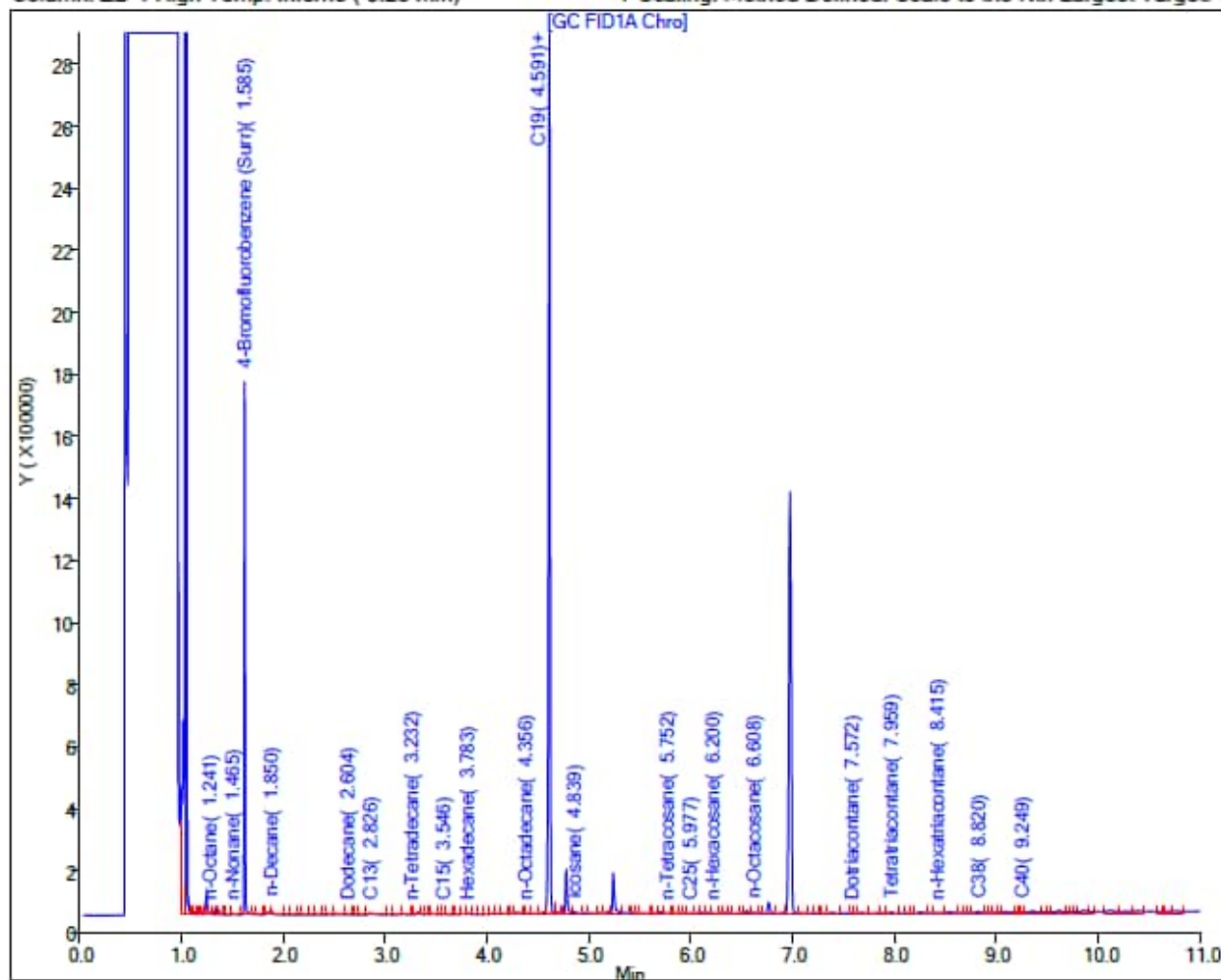
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW07A** Sample ID: OWDFMW07A-WGN01LF-2303WK1 Sample Date: 3/7/2023
Lab: Eurofins Seattle

Results (ug/L): TPH-d (C10 to C24) <80 U

TPH-o (C24 to C40) <240 U

Report Date: 13-Mar-2023 11:32:54

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87455.b\031023B038.D

Injection Date: 11-Mar-2023 00:51:04

Instrument ID: TAC129

Lims ID: 580-124423-O-9-A

Lab Sample ID: 580-124423-9

Client ID: OWDFMW07A-WGN01LF-2303WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 19

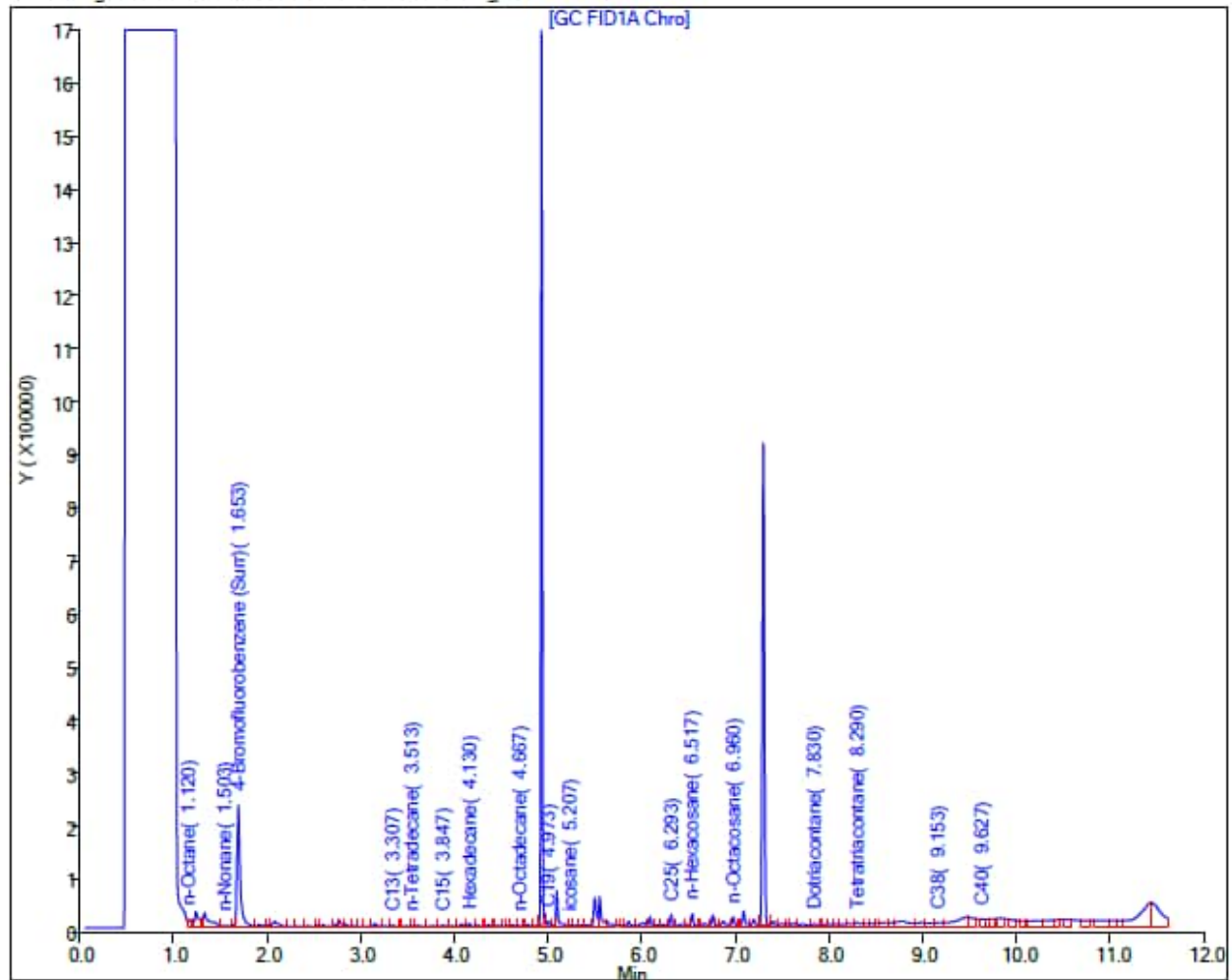
Injection Vol: 1.0 uL

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: **OWDFMW07A** Sample ID: OWDFMW07A-WGN01LF-2303WK2 Sample Date: 3/14/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 20-Mar-2023 08:26:00

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230317-87552.b\031723B035.D

Injection Date: 17-Mar-2023 22:54:15

Instrument ID: TAC020

Lims ID: 580-124744-N-3-A

Lab Sample ID: 580-124744-3

Client ID: OWDFMW07A-WGN01LF-2303WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 35

Injection Vol: 1.0 ul

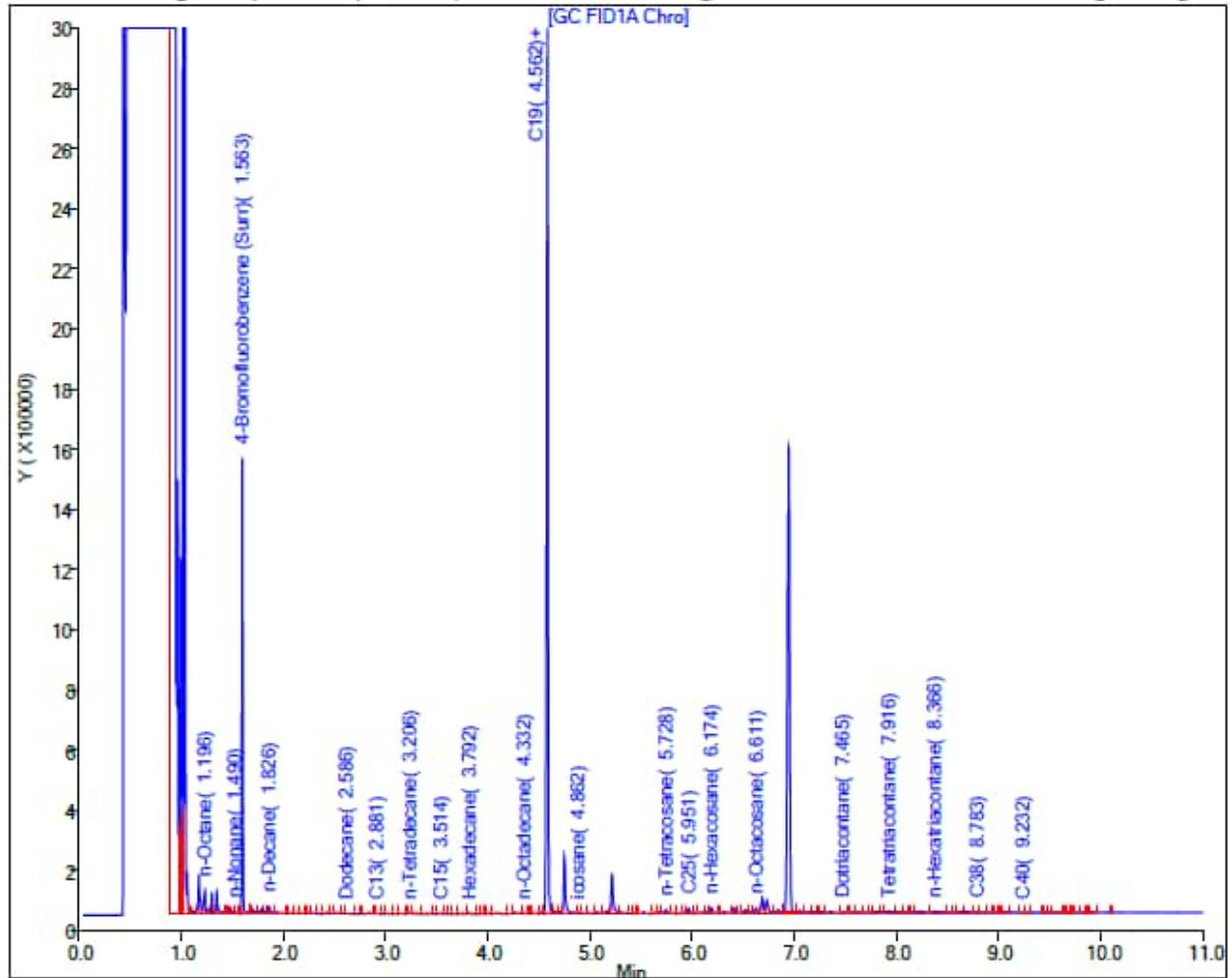
Dil. Factor: 1.0000

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: **OWDFMW07A** Sample ID: OWDFMW07A-WGN01LF-2303WK4 Sample Date: 3/28/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 05-Apr-2023 11:50:23

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A030.D

Injection Date: 04-Apr-2023 19:24:41

Instrument ID: TAC020

Lims ID: 580-125271-N-3-A

Lab Sample ID: 580-125271-3

Client ID: OWDFMW07A-WGN01LF-2303WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 30

Injection Vol: 1.0 ul

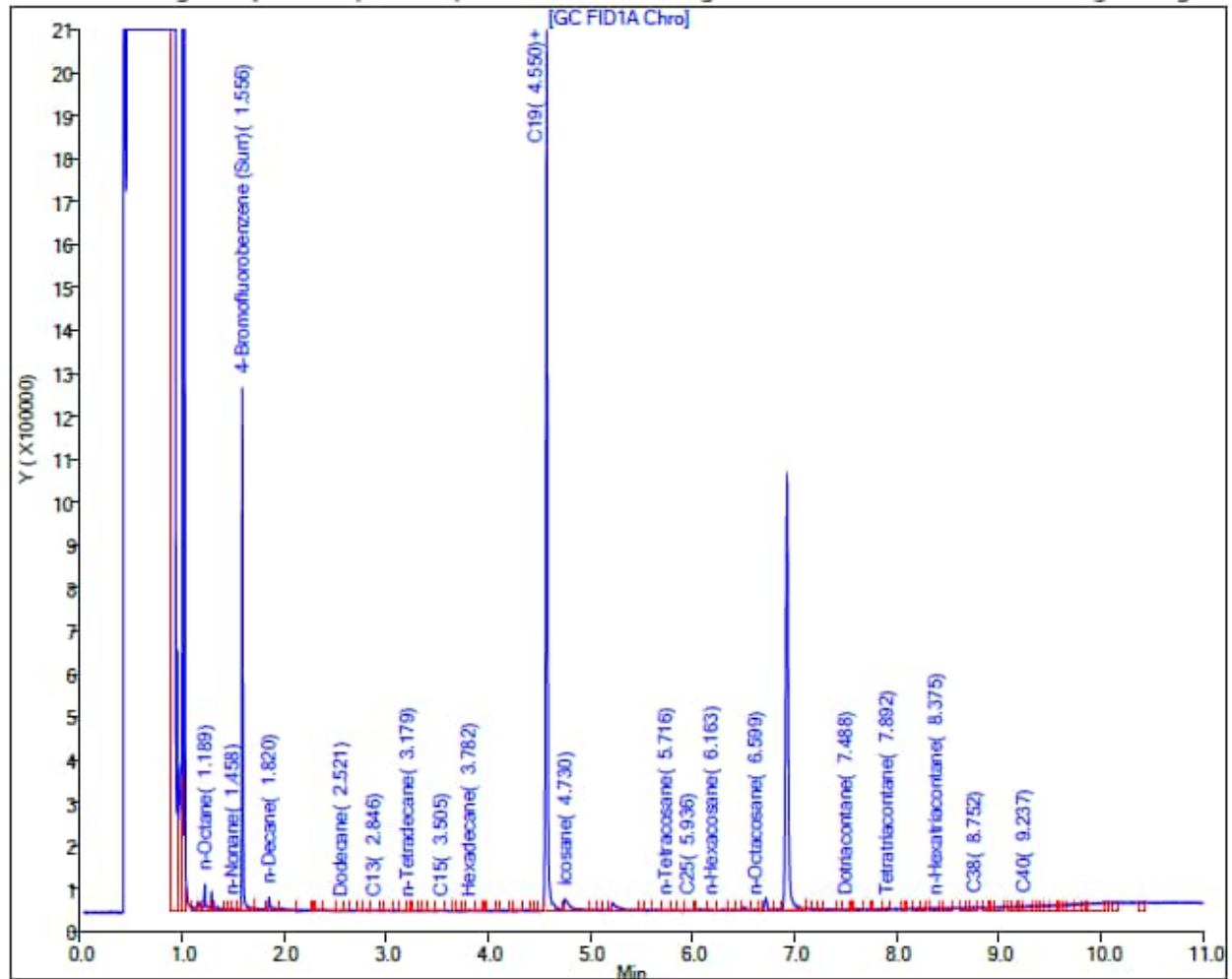
Dil. Factor: 1.0000

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: **OWDFMW07A** Sample ID: OWDFMW07A-WGN01LF-2304WK1 Sample Date: 4/4/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 10-Apr-2023 10:41:27

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230407-87849.b\040723A024.D

Injection Date: 07-Apr-2023 19:16:35

Instrument ID: TAC020

Lims ID: 580-125579-N-7-A

Lab Sample ID: 580-125579-7

Client ID: OWDFMW07A-WGN01LF-2304WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 24

Injection Vol: 1.0 ul

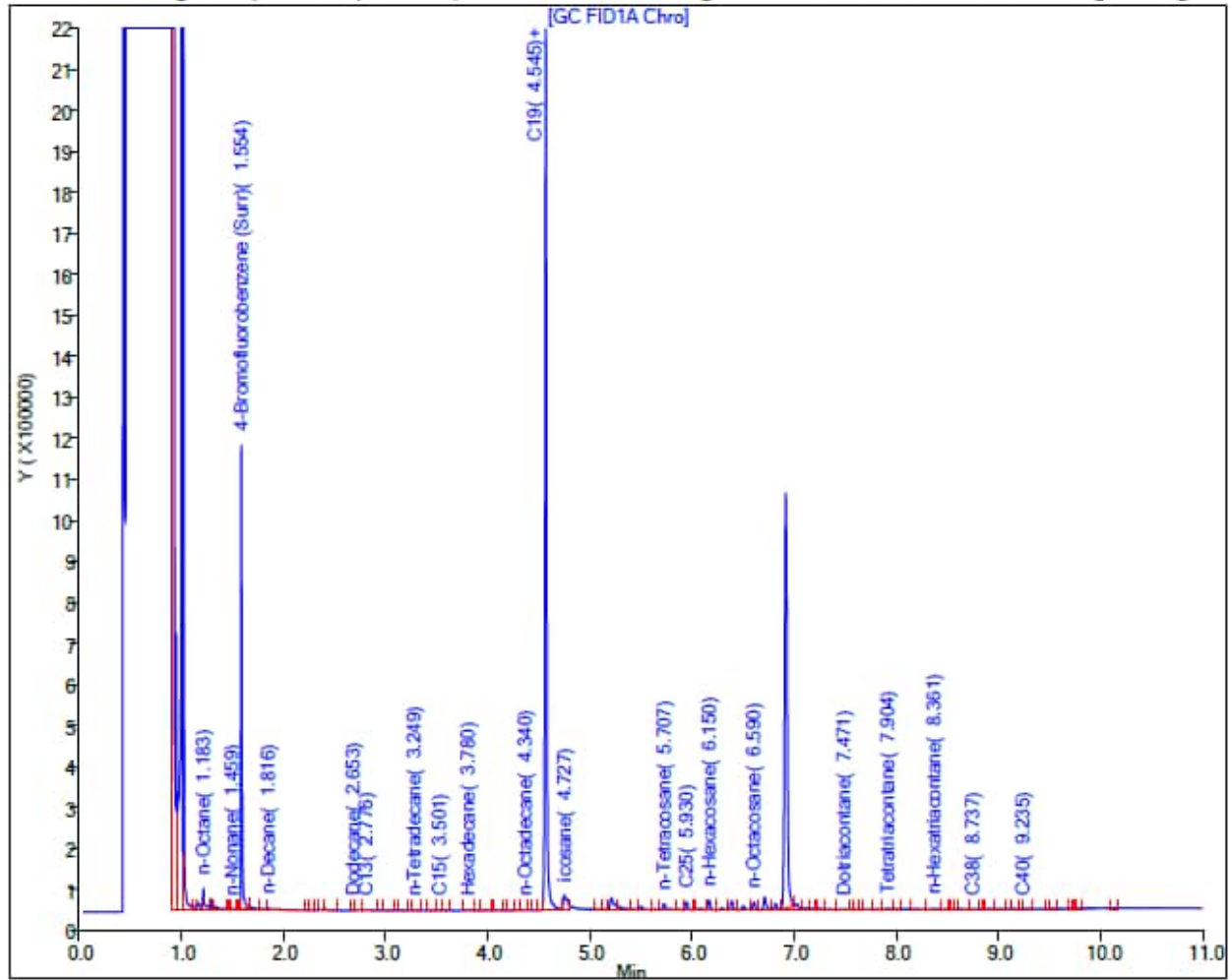
Dil. Factor: 1.0000

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: **OWDFMW07A** Sample ID: OWDFMW07A-WGN01LF-2305WK1 Sample Date: 5/1/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 05-May-2023 09:22:05

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230504-88240.b\050423A081.D

Injection Date: 04-May-2023 23:13:27

Instrument ID: TAC129_R

Lims ID: 580-126703-N-1-A

Lab Sample ID: 580-126703-1

Client ID: OWDFMW07A-WGN01LF-2305WK1

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

41

Injection Vol: 1.0 ul

Dil. Factor:

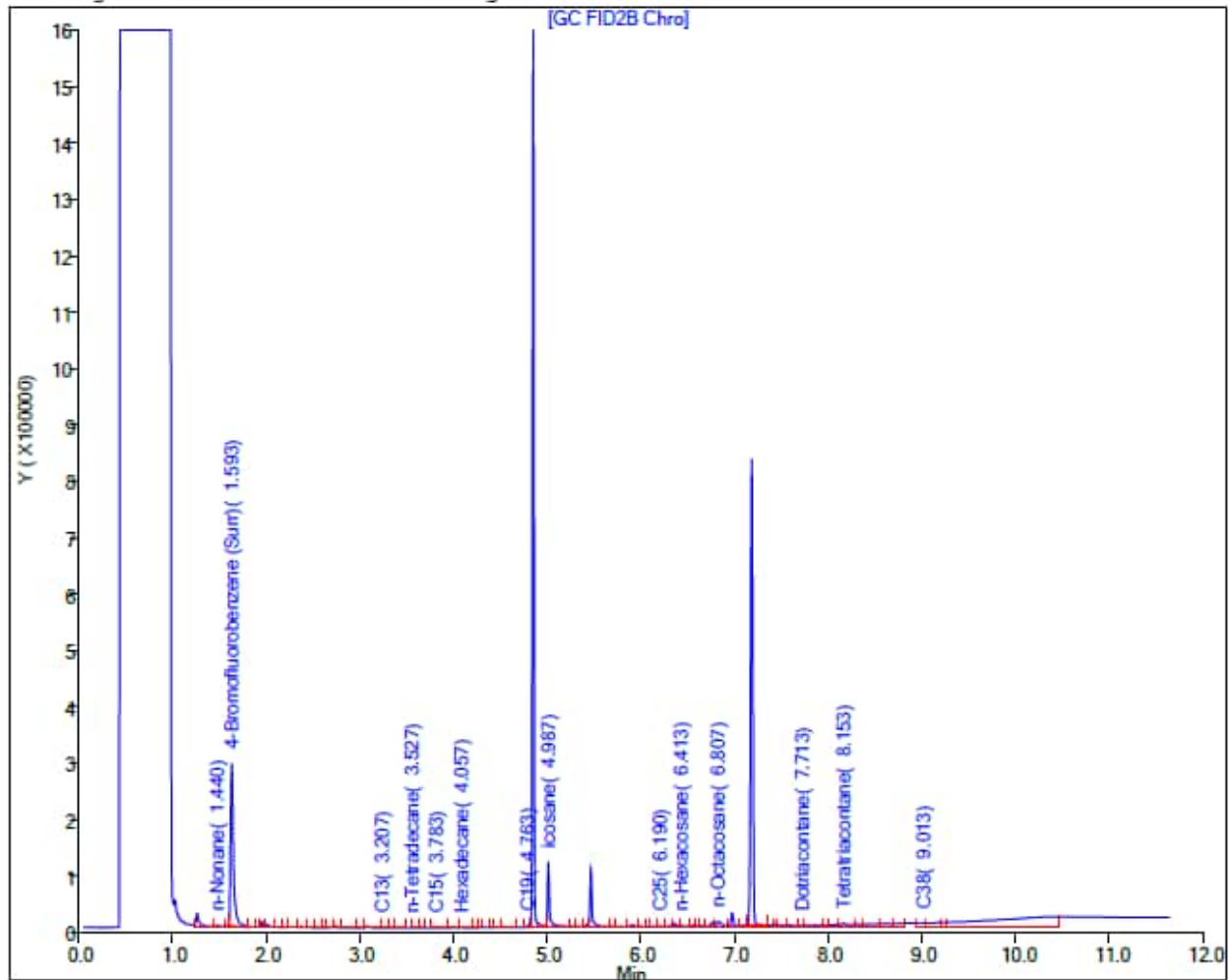
1.0000

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: **OWDFMW08A** Sample ID: OWDFMW08A-WGN01LF-2303WK1 Sample Date: 3/7/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <80 U**

TPH-o (C24 to C40) 160 J

Report Date: 13-Mar-2023 11:32:58

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87455.b\031023B040.D

Injection Date: 11-Mar-2023 01:09:34

Instrument ID: TAC129

Lims ID: 580-124423-O-13-A

Lab Sample ID: 580-124423-13

Client ID: OWDFMW08A-WGN01LF-2303WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 20

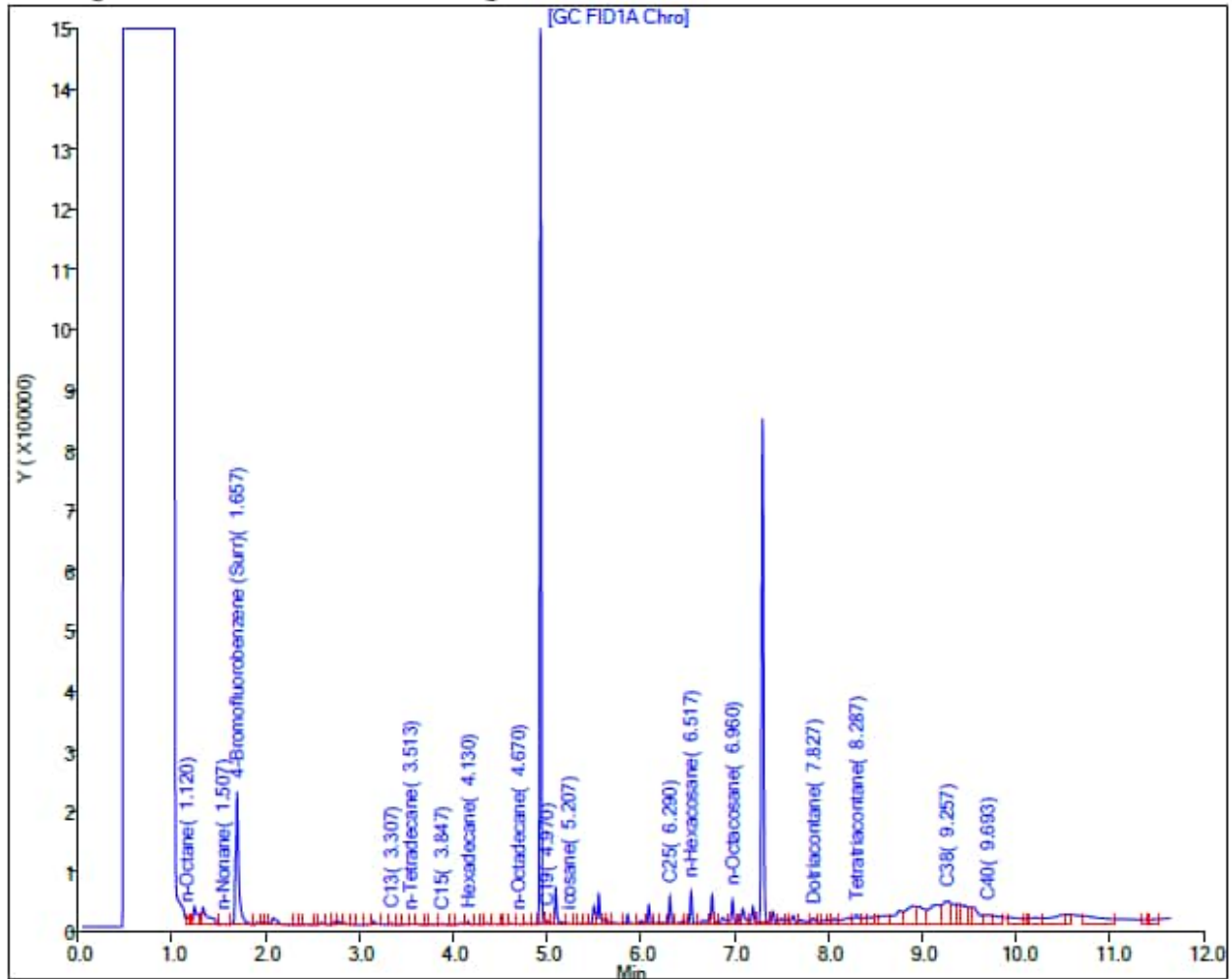
Injection Vol: 1.0 uL

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) <80 U

TPH-o SGC (C24 to C40) <240 U

Report Date: 14-Mar-2023 08:39:07

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230313-87469.b\031323A046.D

Injection Date: 13-Mar-2023 18:57:34

Instrument ID: TAC129

Lims ID: 580-124423-O-13-B

Lab Sample ID: 580-124423-13

Client ID: OWDFMW08A-WGN01LF-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 12

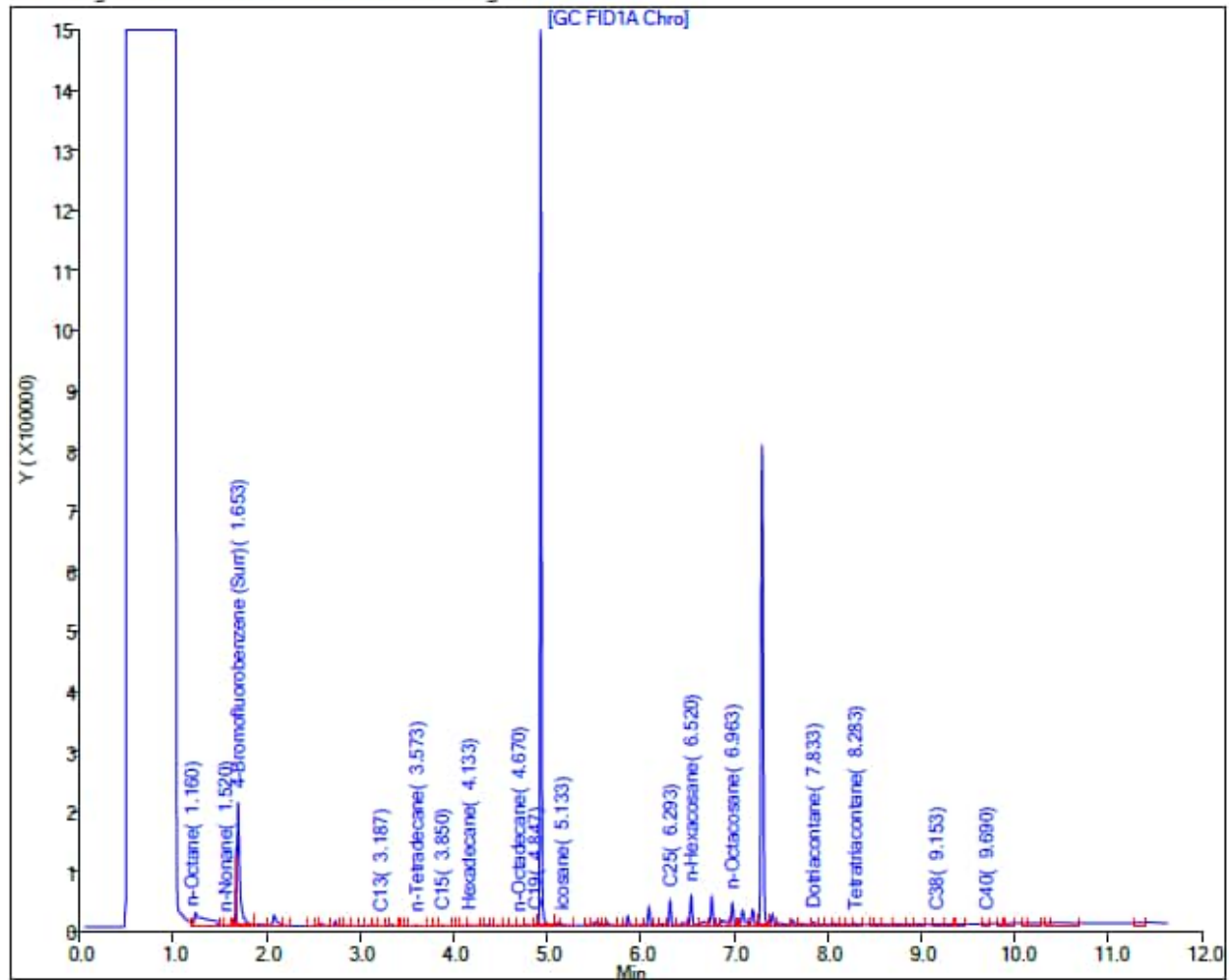
Injection Vol: 1.0 uL

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



Location: **OWDFMW08A** Sample ID: OWDFMW08A-WGFD01LF-2303WK1 Sample Date: 3/7/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 13-Mar-2023 11:33:01

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87455.b\031023B042.D

Injection Date: 11-Mar-2023 01:28:14

Instrument ID: TAC129

Lims ID: 580-124423-I-15-A

Lab Sample ID: 580-124423-15

Client ID: OWDFMW08A-WGFD01LF-2303WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 21

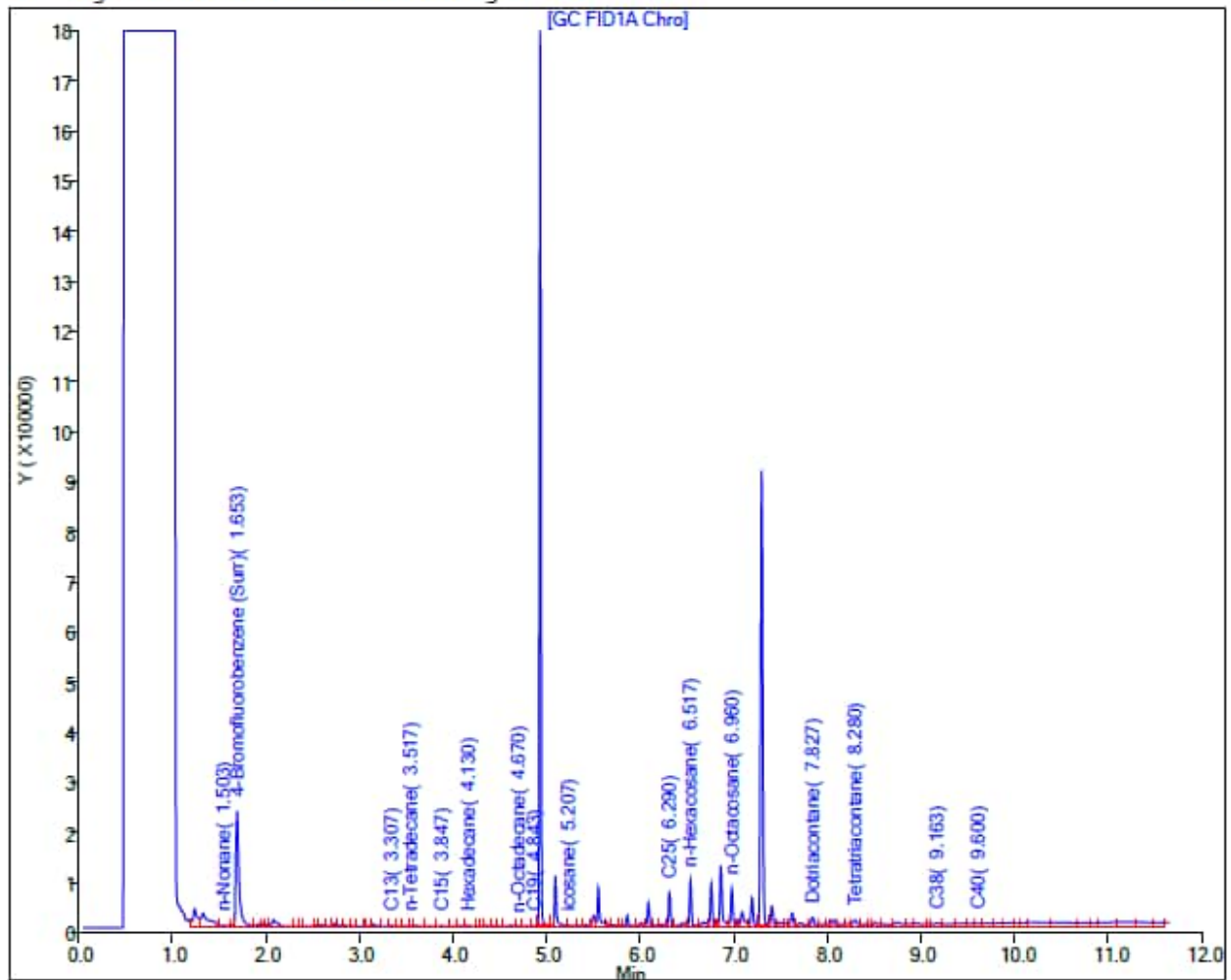
Injection Vol: 1.0 uL

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: **OWDFMW08A** Sample ID: OWDFMW08A-WGN01LF-2303WK2 Sample Date: 3/14/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 20-Mar-2023 08:25:44

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230317-87552.b\031723B033.D

Injection Date: 17-Mar-2023 22:13:53

Instrument ID: TAC020

Lims ID: 580-124744-O-9-A

Lab Sample ID: 580-124744-9

Client ID: OWDFMW08A-WGN01LF-2303WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 33

Injection Vol: 1.0 ul

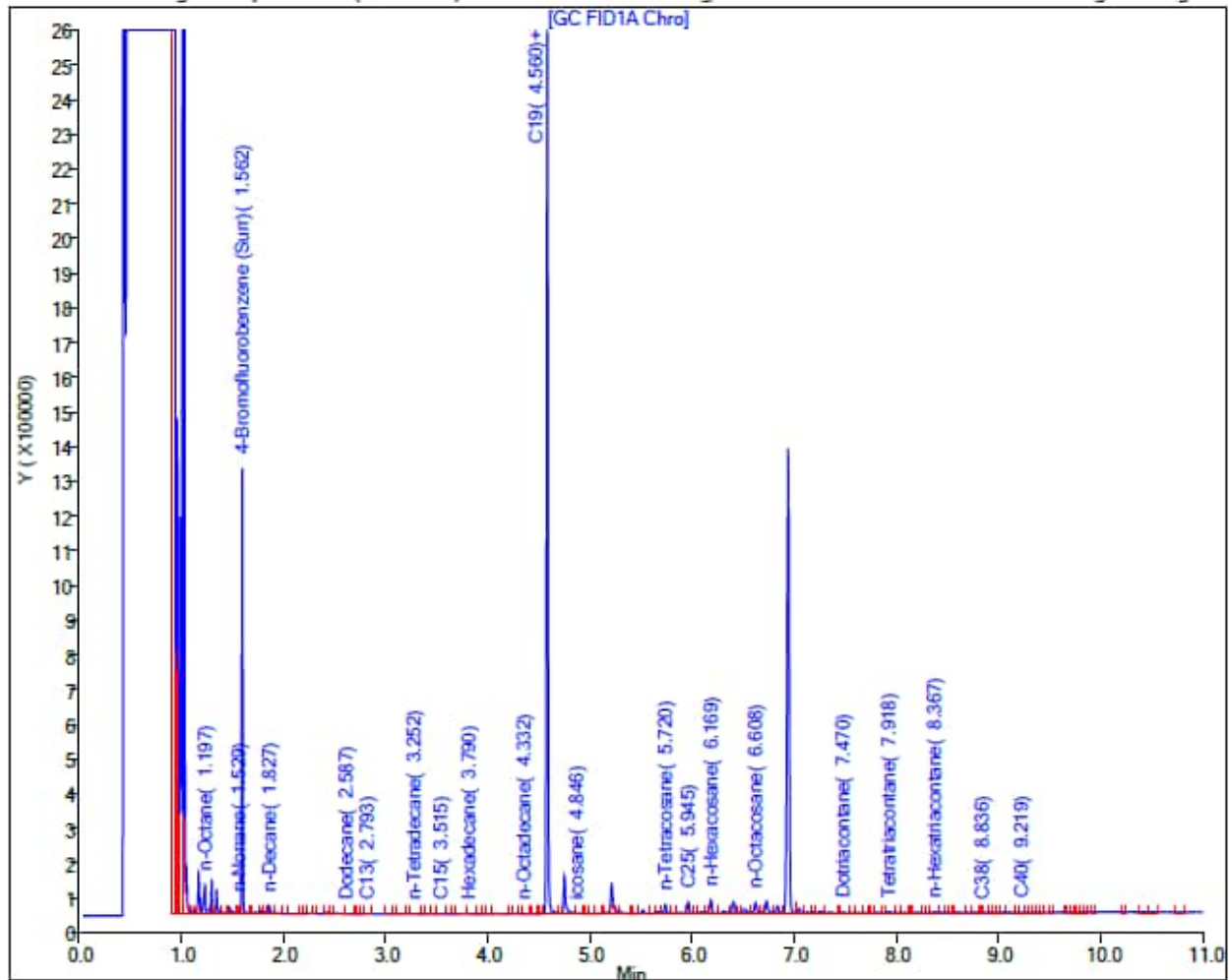
Dil. Factor: 1.0000

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: **OWDFMW08A** Sample ID: OWDFMW08A-WGFD01LF-2303WK2 Sample Date: 3/14/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 20-Mar-2023 08:25:39

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230317-87552.b\031723B032.D

Injection Date: 17-Mar-2023 21:53:44

Instrument ID: TAC020

Lims ID: 580-124744-J-11-A

Lab Sample ID: 580-124744-11

Client ID: OWDFMW08A-WGFD01LF-2303WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 32

Injection Vol: 1.0 ul

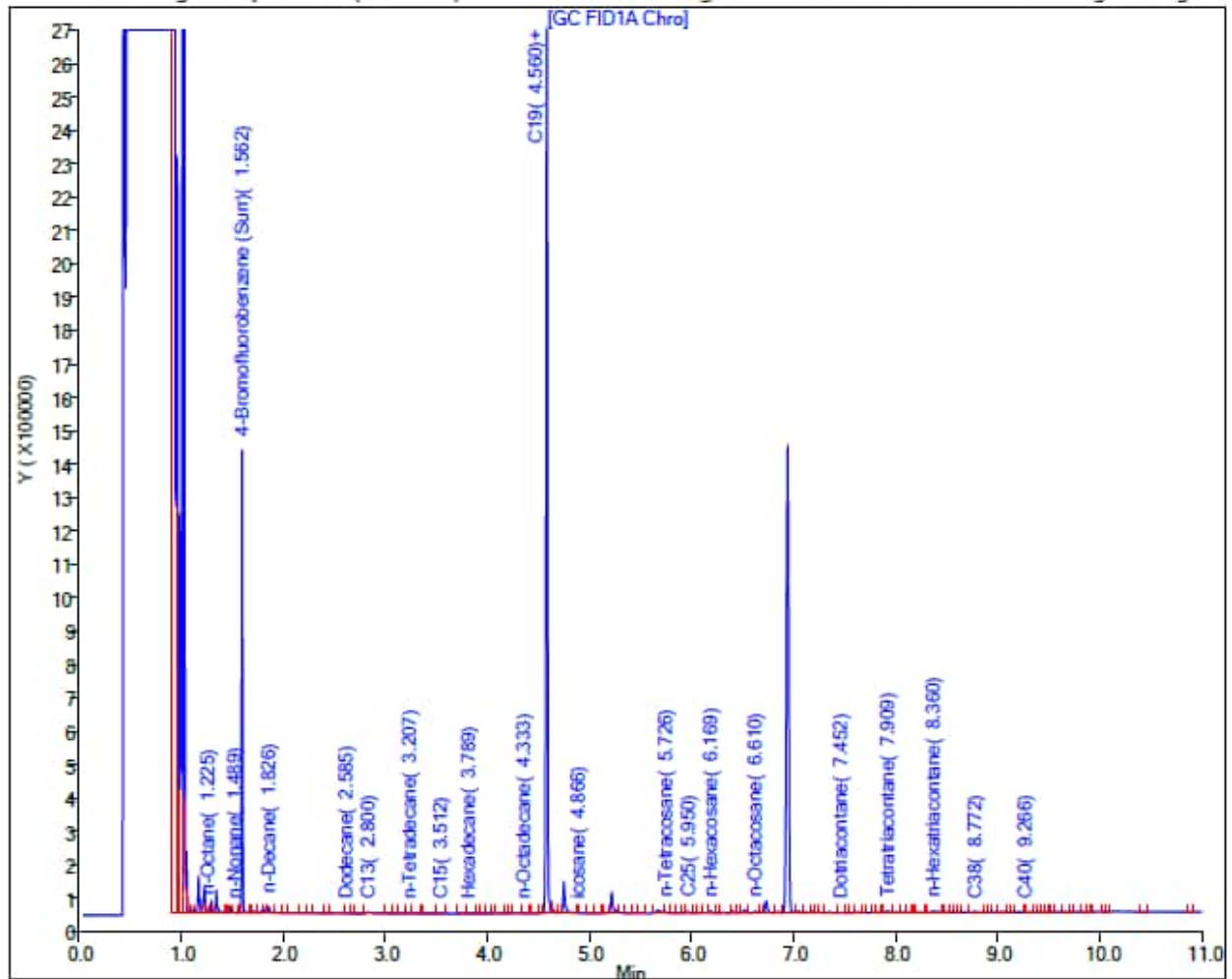
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW08A** Sample ID: OWDFMW08A-WGN01LF-2303WK4 Sample Date: 3/28/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 UJ**

TPH-o (C24 to C40) <310 UJ

Report Date: 10-Apr-2023 10:41:59

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230407-87849.b\040723A030.D

Injection Date: 07-Apr-2023 21:17:39

Instrument ID: TAC020

Lims ID: 580-125271-N-7-A

Lab Sample ID: 580-125271-7

Client ID: OWDFMW08A-WGN01LF-2303WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 30

Injection Vol: 1.0 ul

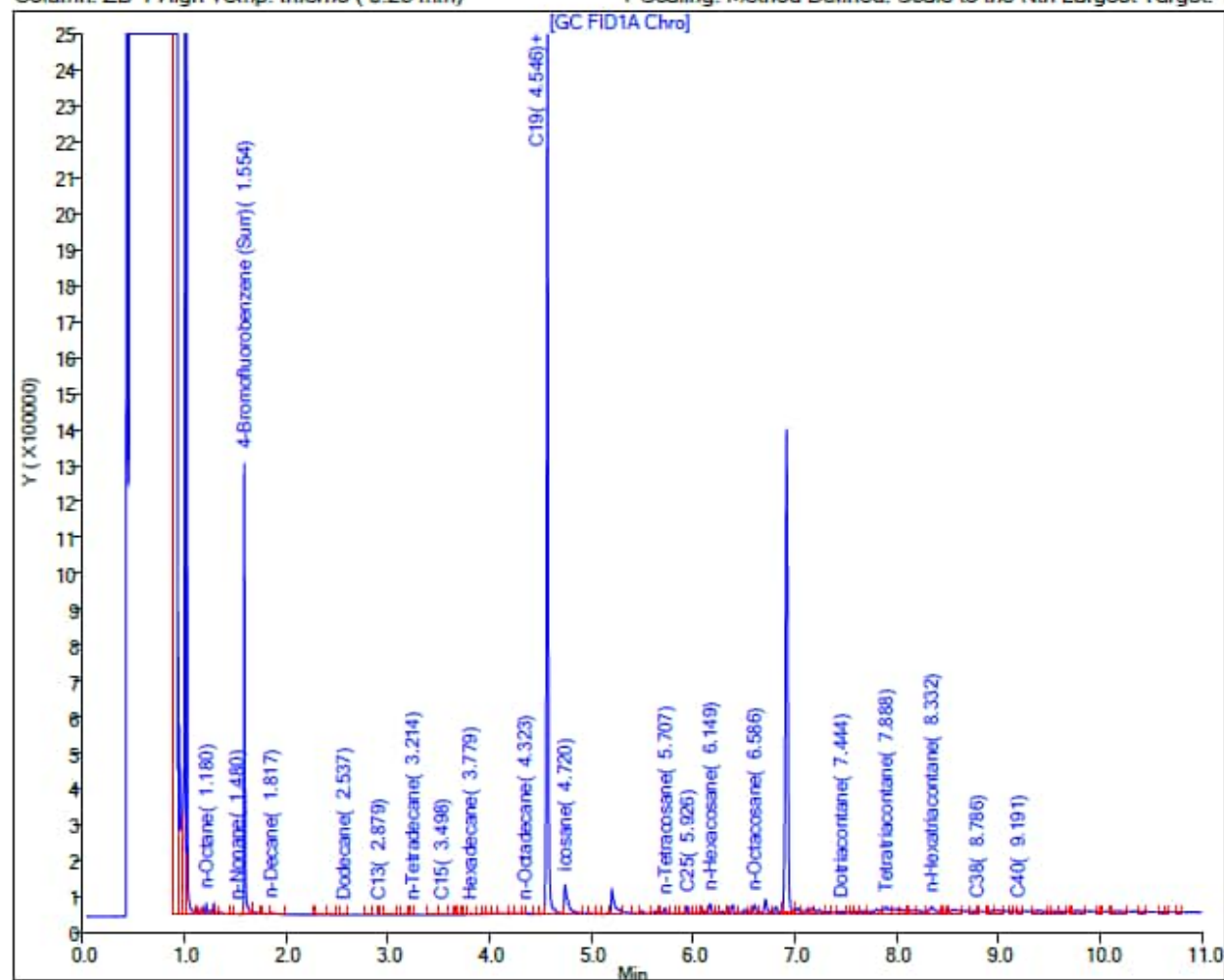
Dil. Factor: 1.0000

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-WGFD01LF-2303WK4 Sample Date: 3/28/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 05-Apr-2023 11:50:34

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A032.D

Injection Date: 04-Apr-2023 20:05:04

Instrument ID: TAC020

Lims ID: 580-125271-J-9-A

Lab Sample ID: 580-125271-9

Client ID: OWDFMW08A-WGFD01LF-2303WK4

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 32

Injection Vol: 1.0 ul

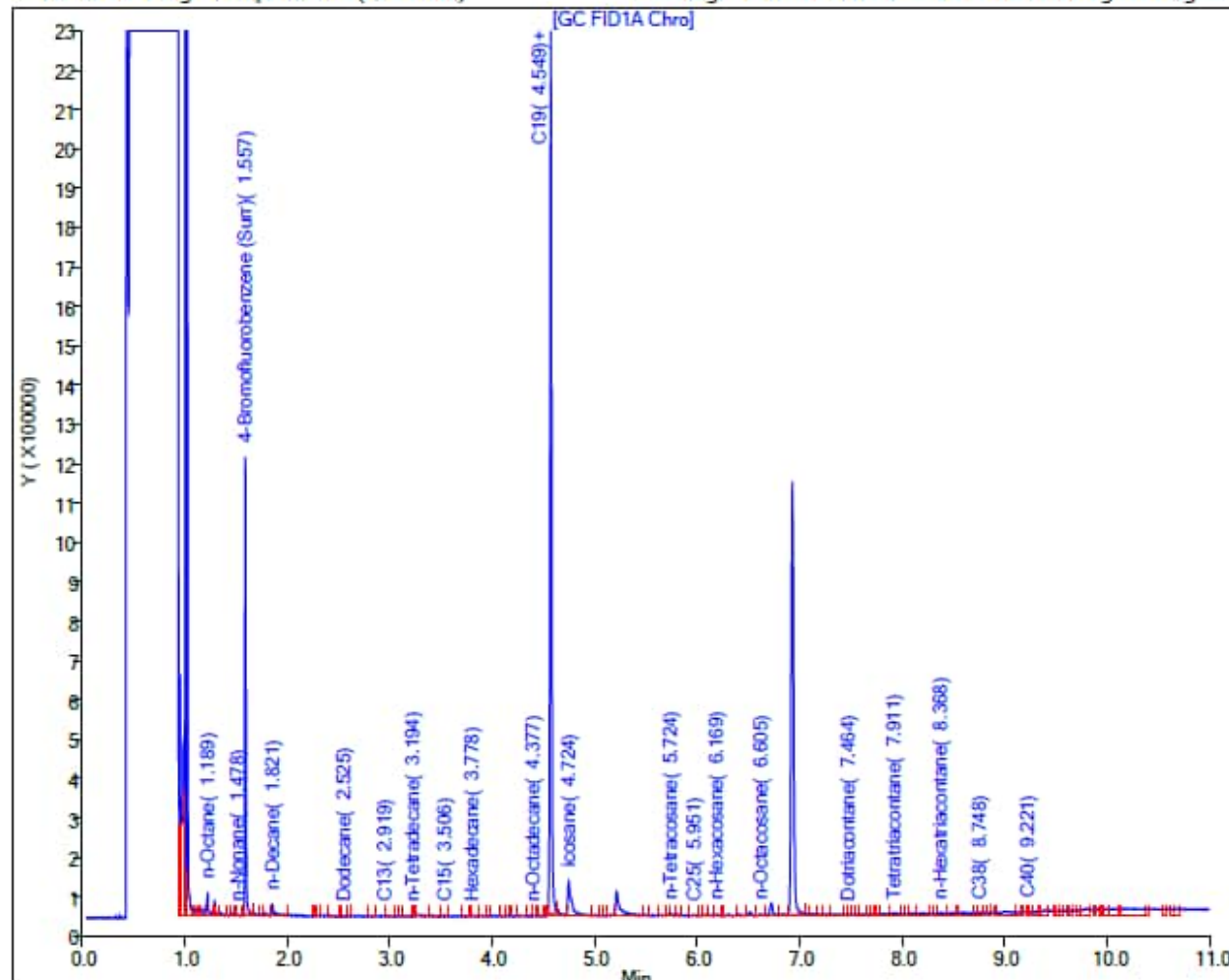
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW08A** Sample ID: OWDFMW08A-WGN01LF-2304WK1 Sample Date: 4/4/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

No Silica Gel Cleanup performed.

Report Date: 10-Apr-2023 10:41:33

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230407-87849.b\040723A025.D

Injection Date: 07-Apr-2023 19:36:51

Instrument ID: TAC020

Lims ID: 580-125579-O-11-A

Lab Sample ID: 580-125579-11

Client ID: OWDFMW08A-WGN01LF-2304WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 25

Injection Vol: 1.0 ul

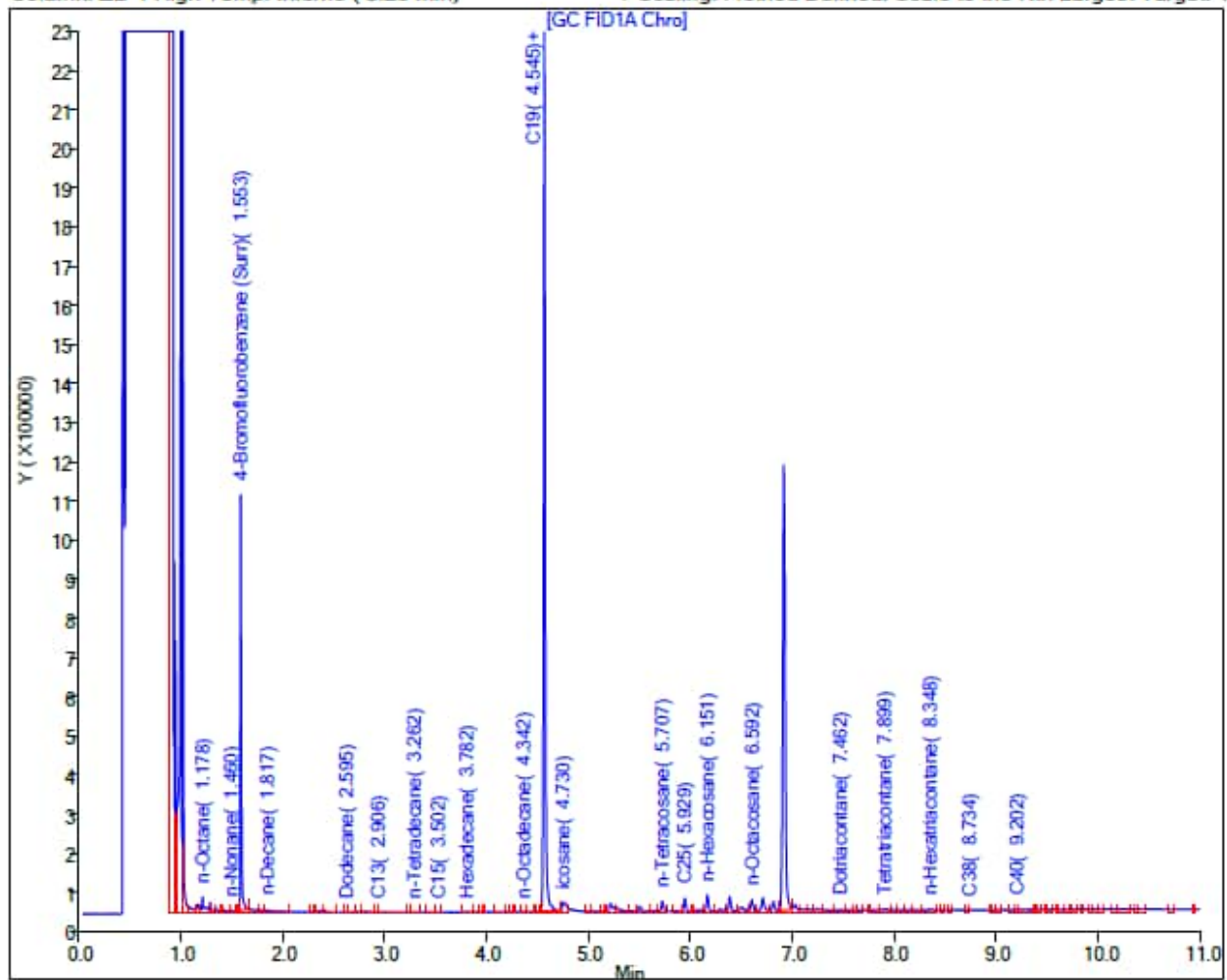
Dil. Factor: 1.0000

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: **OWDFMW08A** Sample ID: OWDFMW08A-WGFD01LF-2304WK1 Sample Date: 4/4/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <300 U

Report Date: 10-Apr-2023 10:41:43

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230407-87849.b\040723A027.D

Injection Date: 07-Apr-2023 20:17:08

Instrument ID: TAC020

Lims ID: 580-125579-J-13-A

Lab Sample ID: 580-125579-13

Client ID: OWDFMW08A-WGFD01LF-2304WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 27

Injection Vol: 1.0 ul

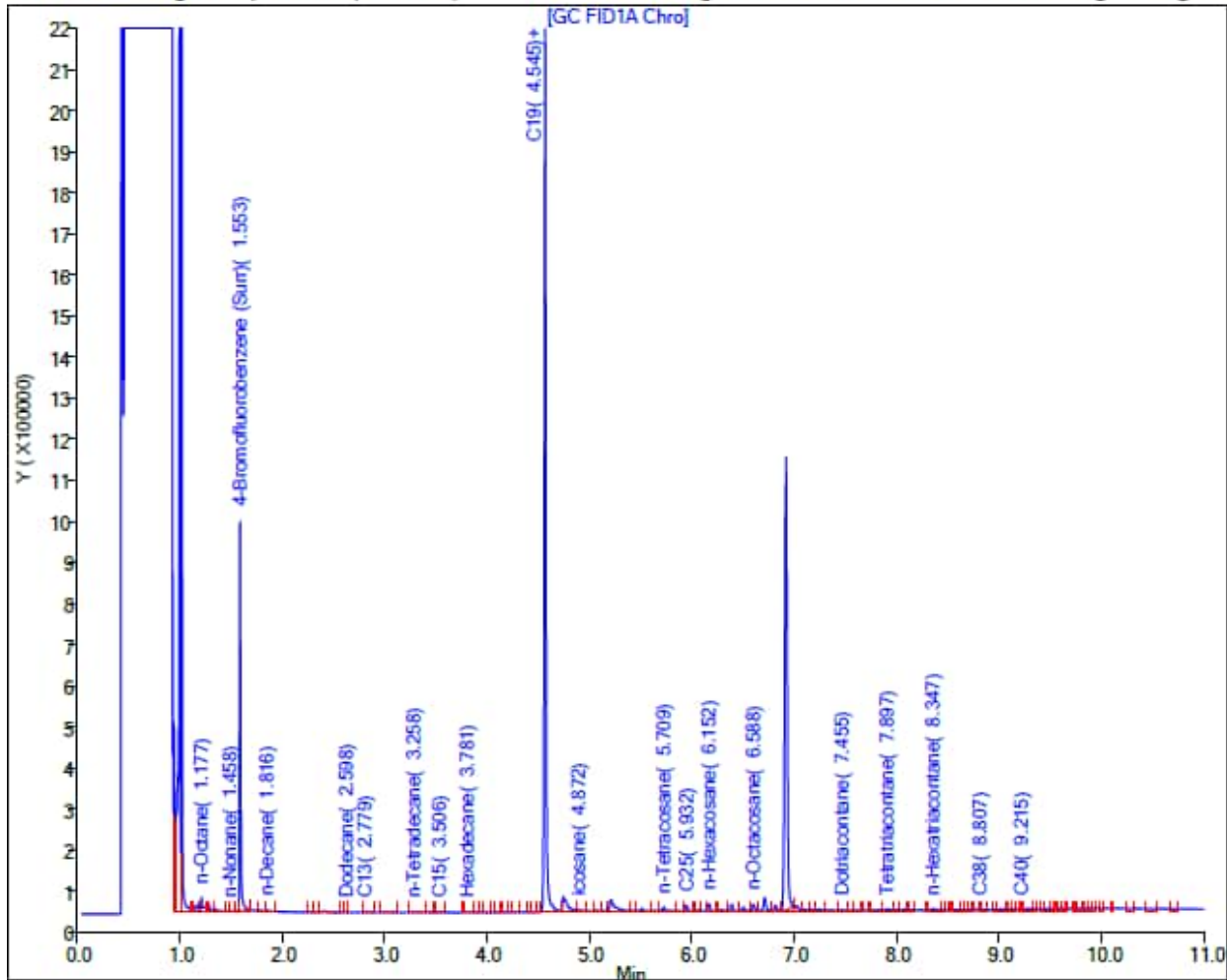
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW08A** Sample ID: OWDFMW08A-WGN01LF-2305WK1 Sample Date: 5/1/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <110 U**

TPH-o (C24 to C40) <320 U

Report Date: 08-May-2023 17:30:44

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230508-88306.b\050823A011.D

Injection Date: 08-May-2023 17:02:06

Instrument ID: TAC020

Lims ID: 580-126757-N-3-A

Lab Sample ID: 580-126757-3

Client ID: OWDFMW08A-WGN01LF-2305WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 11

Injection Vol: 1.0 ul

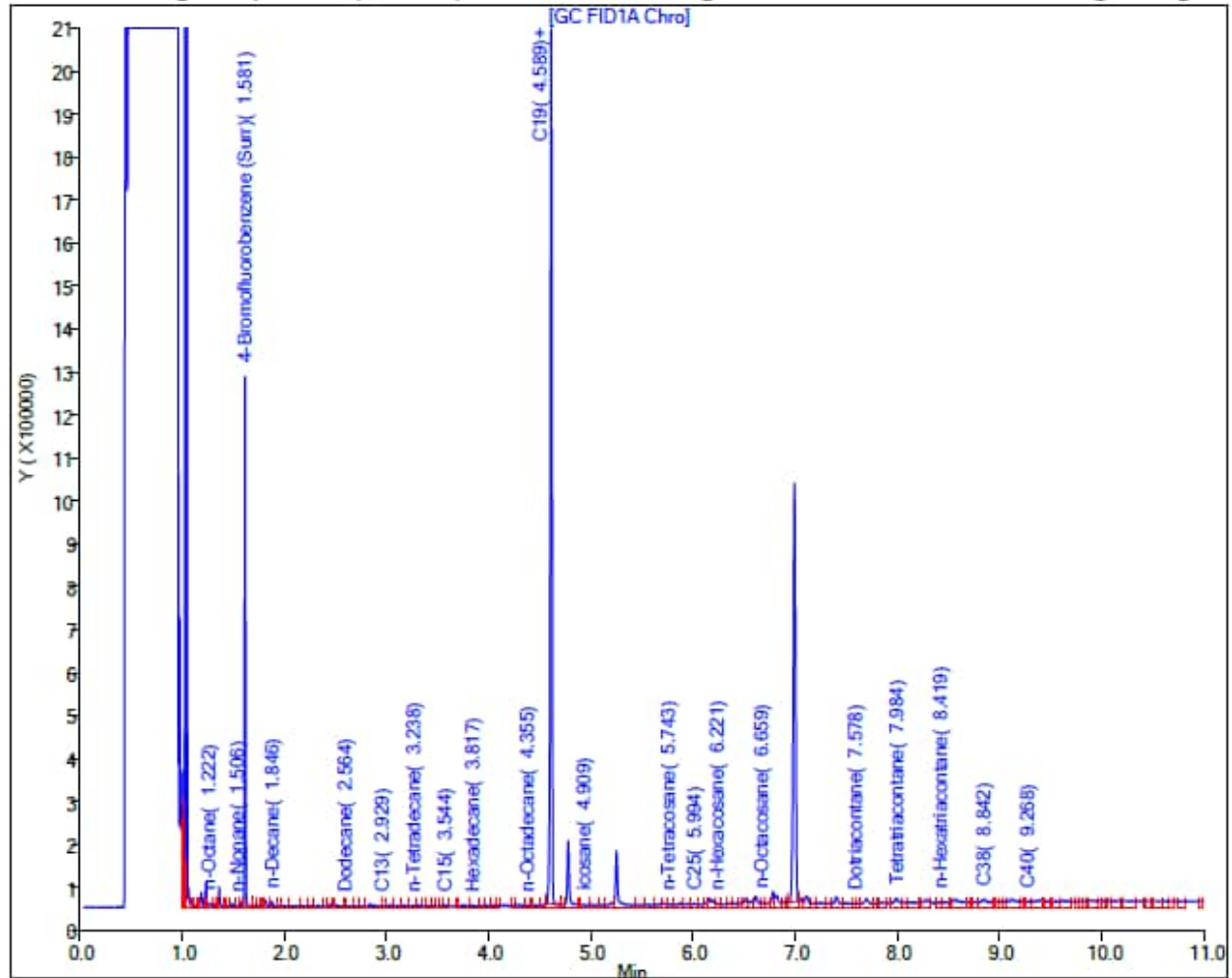
Dil. Factor: 1.0000

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



No Silica Gel Cleanup performed.

Location: **OWDFMW08A** Sample ID: OWDFMW08A-WGFD01LF-2305WK1 Sample Date: 5/1/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) <100 U**

TPH-o (C24 to C40) <310 U

Report Date: 09-May-2023 14:44:09

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230509-88322.b\050923A006.D

Injection Date: 09-May-2023 13:18:28

Instrument ID: TAC020

Lims ID: 580-126757-J-5-A

Lab Sample ID: 580-126757-5

Client ID: OWDFMW08A-WGFD01LF-2305WK1

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 6

Injection Vol: 1.0 ul

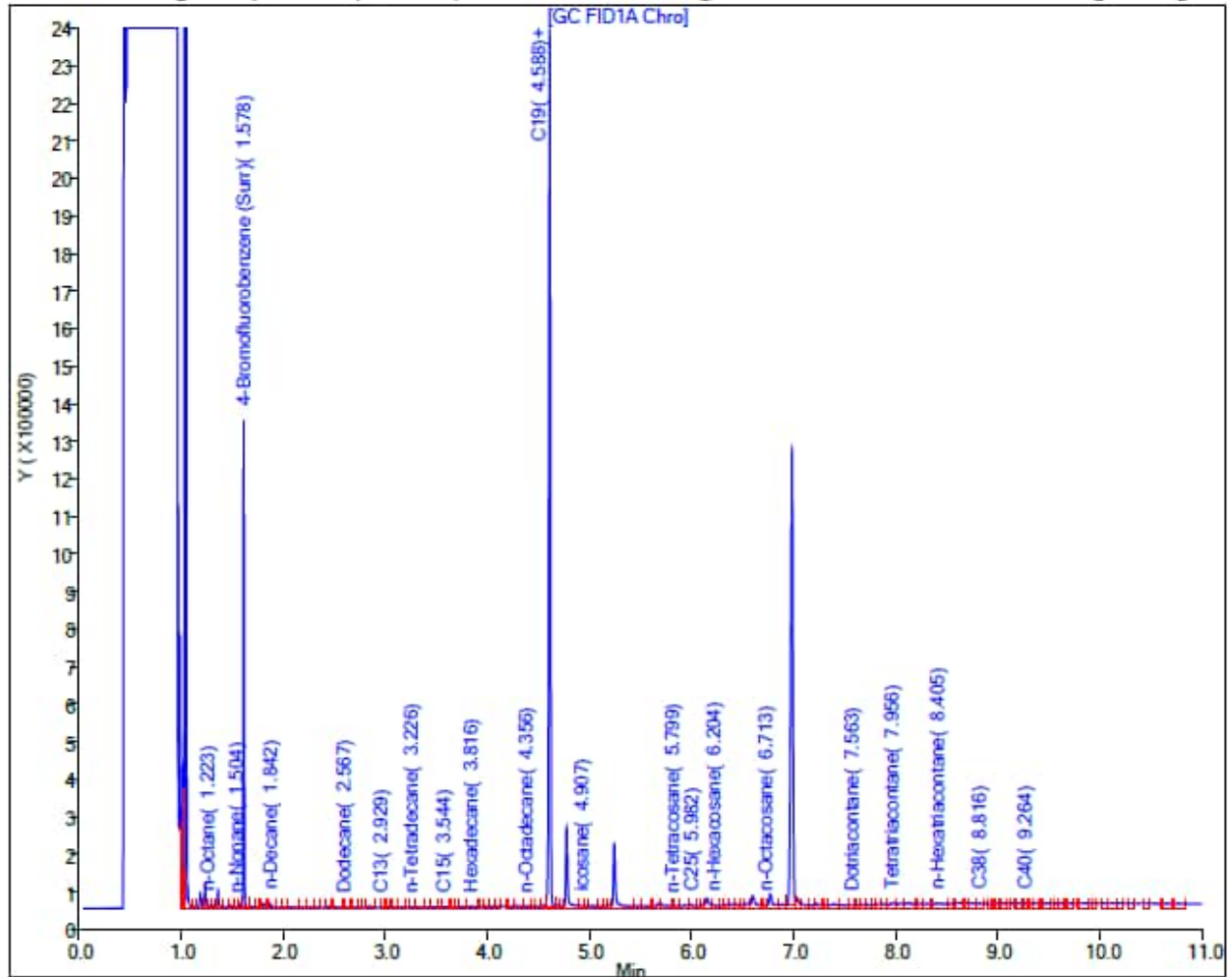
Dil. Factor: 1.0000

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-2301WK4

Sample Date: 1/25/2023

Results (ug/L): **TPH-d (C10 to C24) 840**

TPH-o (C24 to C40) 700

Report Date: 03-Feb-2023 08:37:39

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230202-86914.b\020223A043.D

Injection Date: 02-Feb-2023 16:18:18

Instrument ID: TAC129_R

Lims ID: 580-122761-E-1-A

Lab Sample ID: 580-122761-1

Client ID: RHMW08-WGN01B-2301WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 22

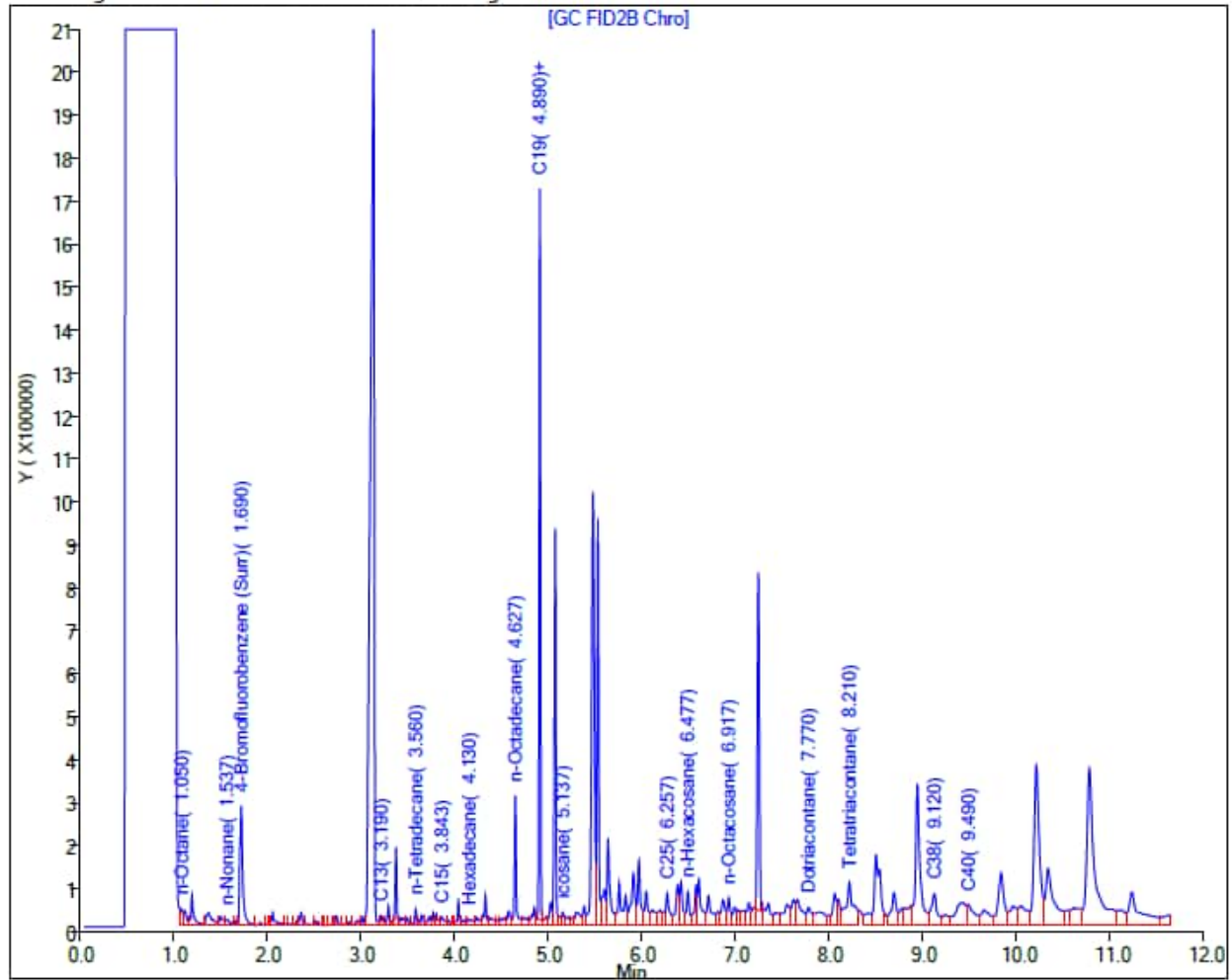
Injection Vol: 1.0 uL/L

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



Results (ug/L): TPH-d SGC (C10 to C24) 250

TPH-o SGC (C24 to C40) 370

Report Date: 07-Feb-2023 11:18:05

Chrom Revision: 2.3 01-Feb-2023 13:23:06

Data File: Eurofins Seattle

Injection Date: 06-Feb-2023 18:56:53

Lims ID: 580-122761-E-1-B

Client ID: RHMW08-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

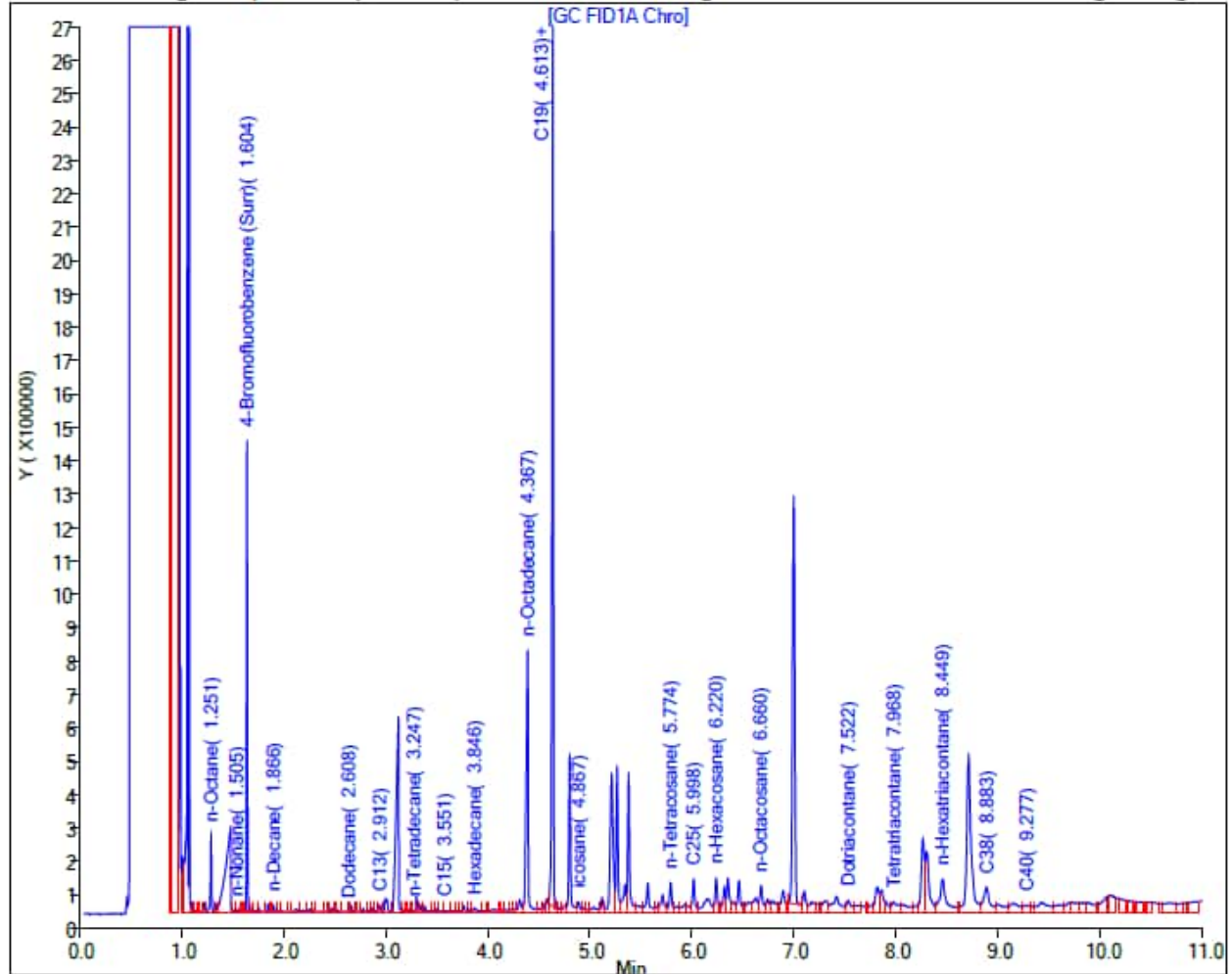
Lab Sample ID: 580-122761-1

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



Location: **RHMW02** Sample ID: RHMW02-WGN01B-2302WK2 Sample Date: 2/14/2023

Lab: Eurofins Seattle

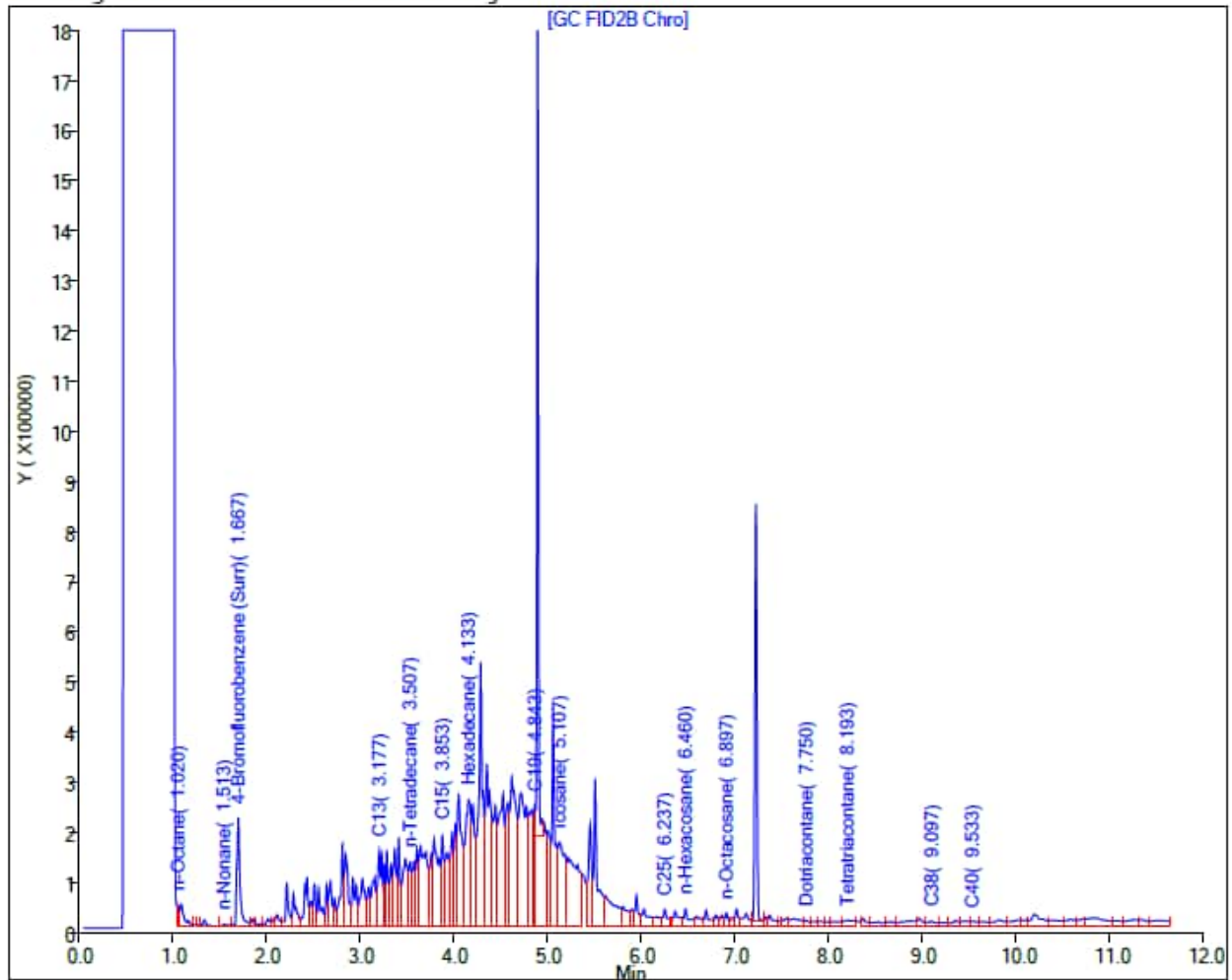
Results (ug/L): **TPH-d (C10 to C24) 1600**

TPH-o (C24 to C40) 220 J

Report Date: 20-Feb-2023 09:46:48

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230217-87149.b\021723A045.D
Injection Date: 17-Feb-2023 20:32:52 Instrument ID: TAC129_R
Lims ID: 580-123602-O-9-A Lab Sample ID: 580-123602-9
Client ID: RHMW02-WGN01B-2302WK2
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) 310

TPH-o SGC (C24 to C40) <300 U

Report Date: 20-Feb-2023 16:15:17

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230220-87164.b\022023_009.D

Injection Date: 20-Feb-2023 13:58:40

Instrument ID: TAC020

Lims ID: 580-123602-O-9-B

Lab Sample ID: 580-123602-9

Client ID: RHMW02-WGN01B-2302WK2

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul

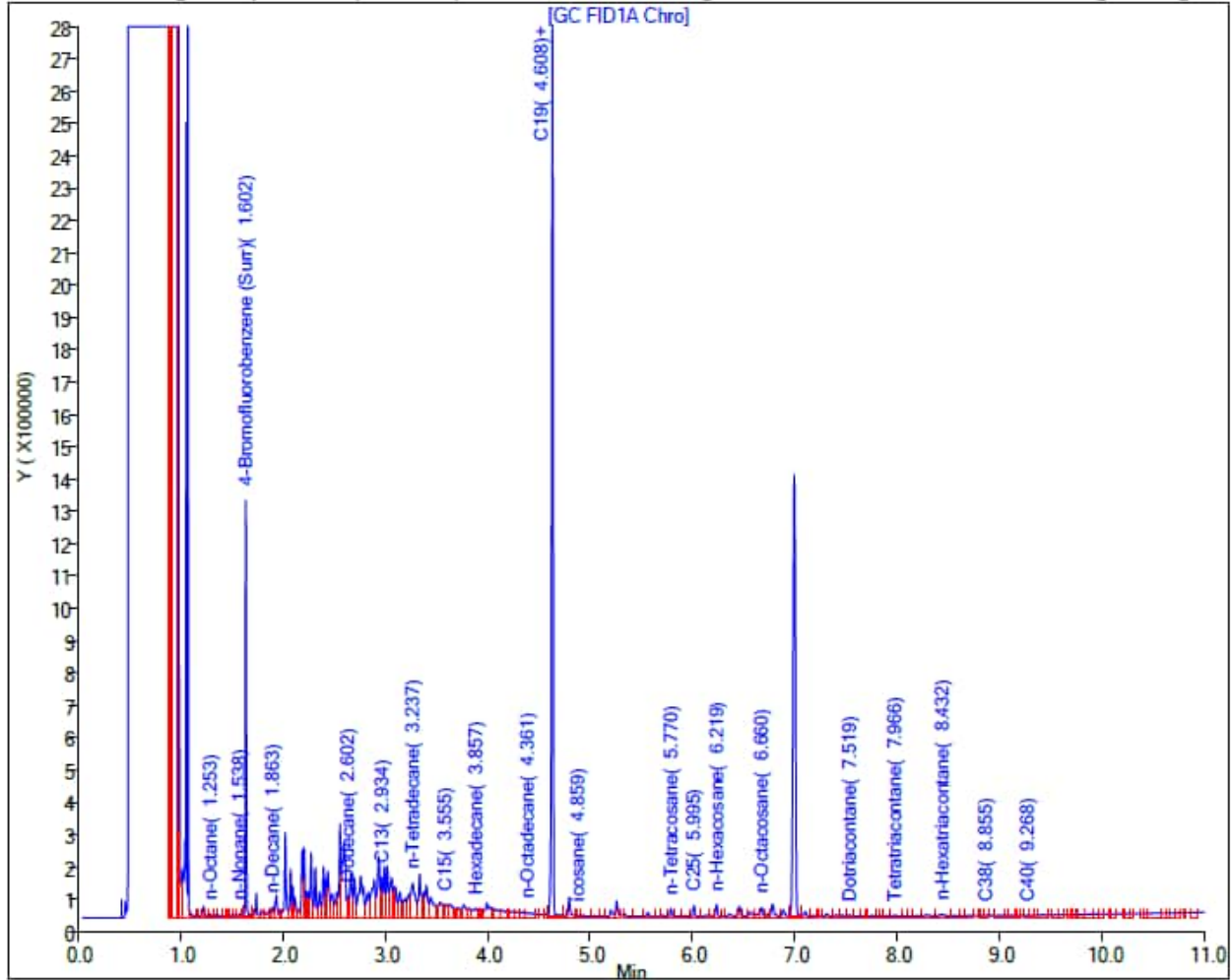
Dil. Factor: 1.0000

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



Location: **RHMW02** Sample ID: RHMW02-WGN01B-2302WK3 Sample Date: 2/21/2023
Lab: Eurofins Seattle

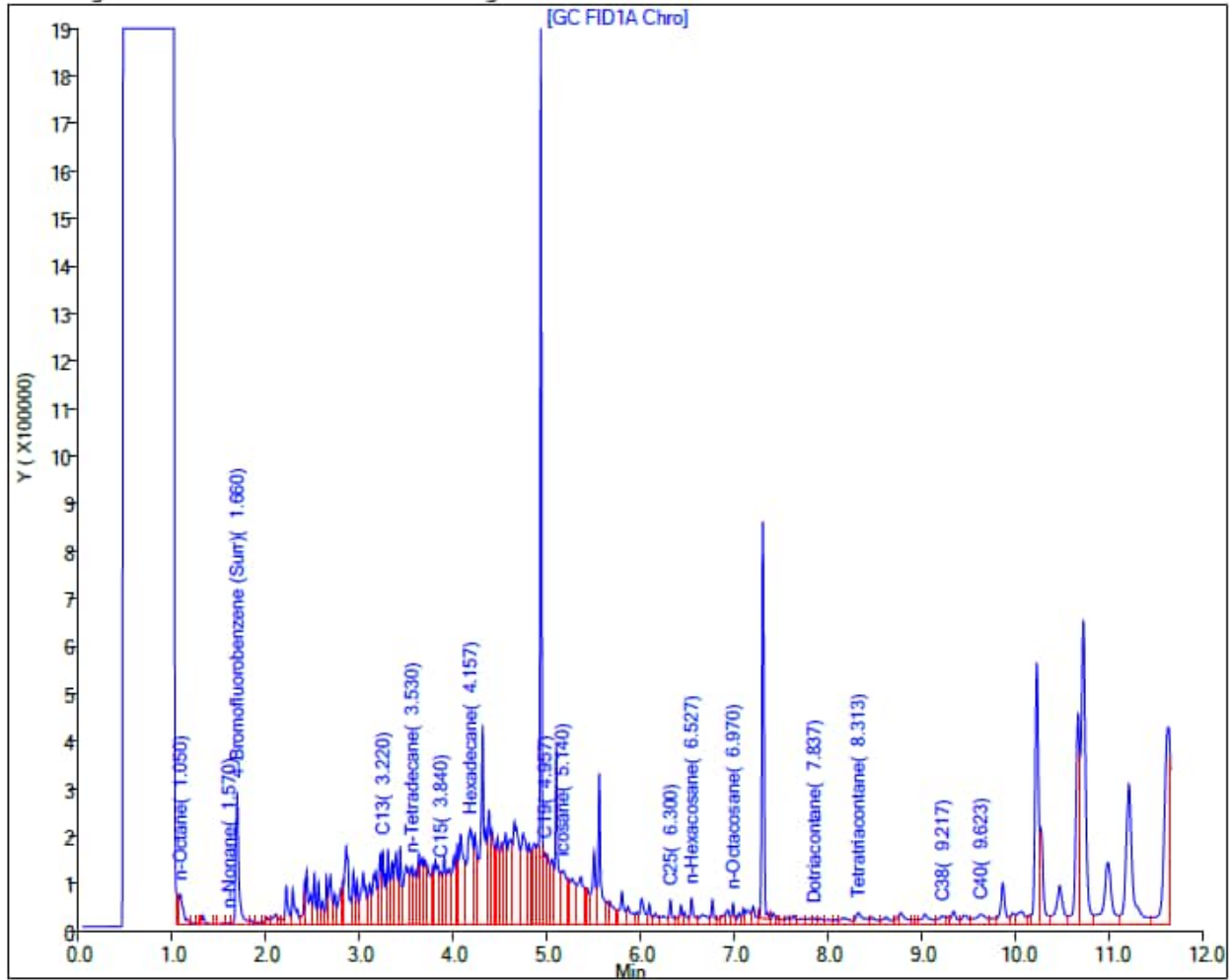
Results (ug/L): **TPH-d (C10 to C24) 1200**

TPH-o (C24 to C40) 230 J

Report Date: 28-Feb-2023 10:01:35

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230227-87261.b\022723A038.D
Injection Date: 27-Feb-2023 23:26:39 Instrument ID: TAC129
Lims ID: 580-123910-N-9-A Lab Sample ID: 580-123910-9
Client ID: RHMW02-WGN01B-2302WK3
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



Results (ug/L): TPH-d SGC (C10 to C24) 320

TPH-o SGC (C24 to C40) <310 U

Report Date: 02-Mar-2023 10:21:52

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230301-87297.b\030123A022.D

Injection Date: 01-Mar-2023 17:54:59

Instrument ID: TAC129

Lims ID: 580-123910-N-9-B

Lab Sample ID: 580-123910-9

Client ID: RHMW02-WGN01B-2302WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 58

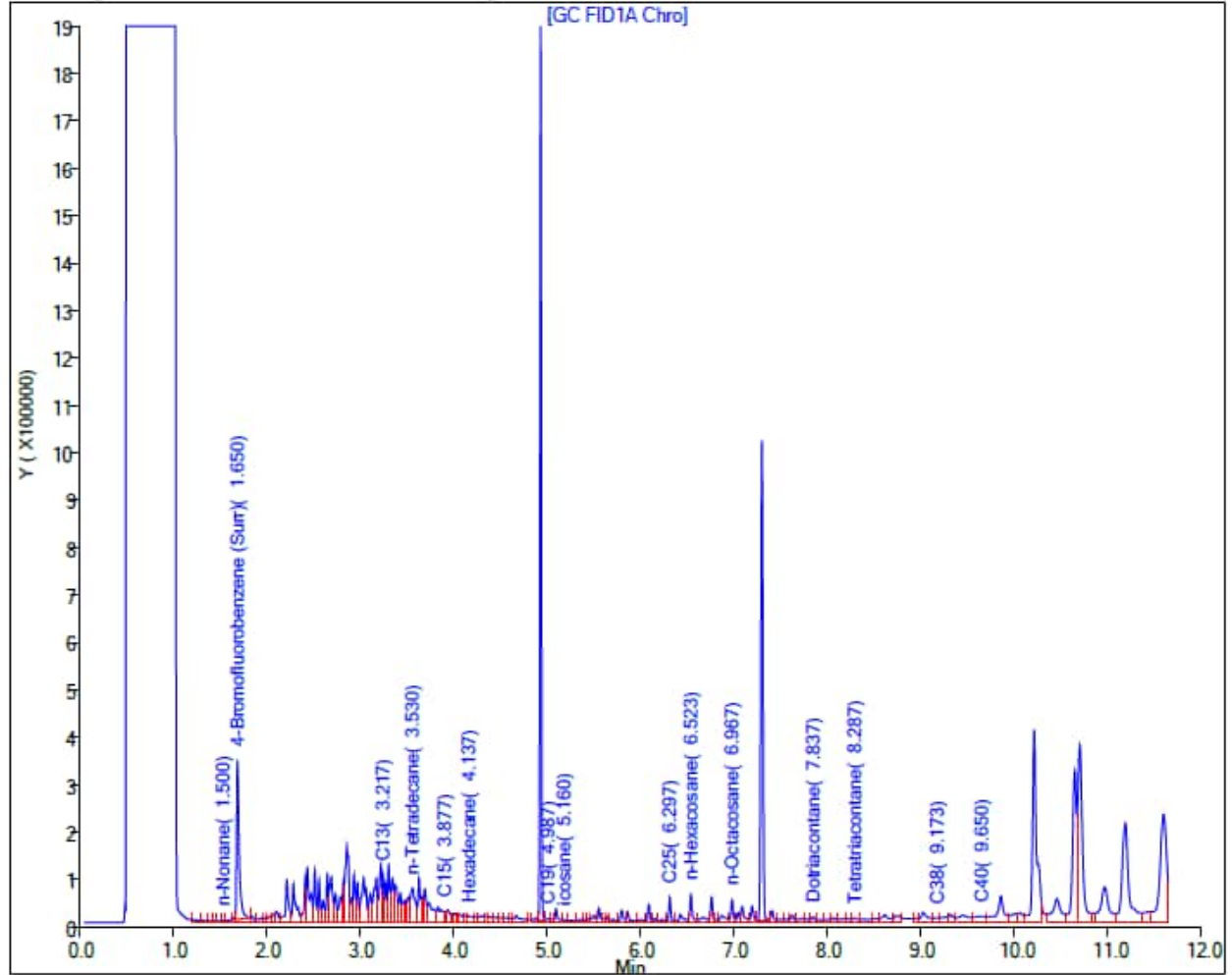
Injection Vol: 1.0 uL

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



Location: RHMW02
Lab: Eurofins Seattle

Sample ID: RHMW02-WGN01B-2302WK4

Sample Date: 2/28/2023

Results (ug/L): TPH-d (C10 to C24) 1800

TPH-o (C24 to C40) 250 J

Report Date: 07-Mar-2023 11:48:51

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 06-Mar-2023 19:19:17

Lims ID: 580-124109-N-7-A

Client ID: RHMW02-WGN01B-2302WK4

Operator ID: KW

Injection Vol: 1.0 uL

Method: TPH-TAC129Front

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1

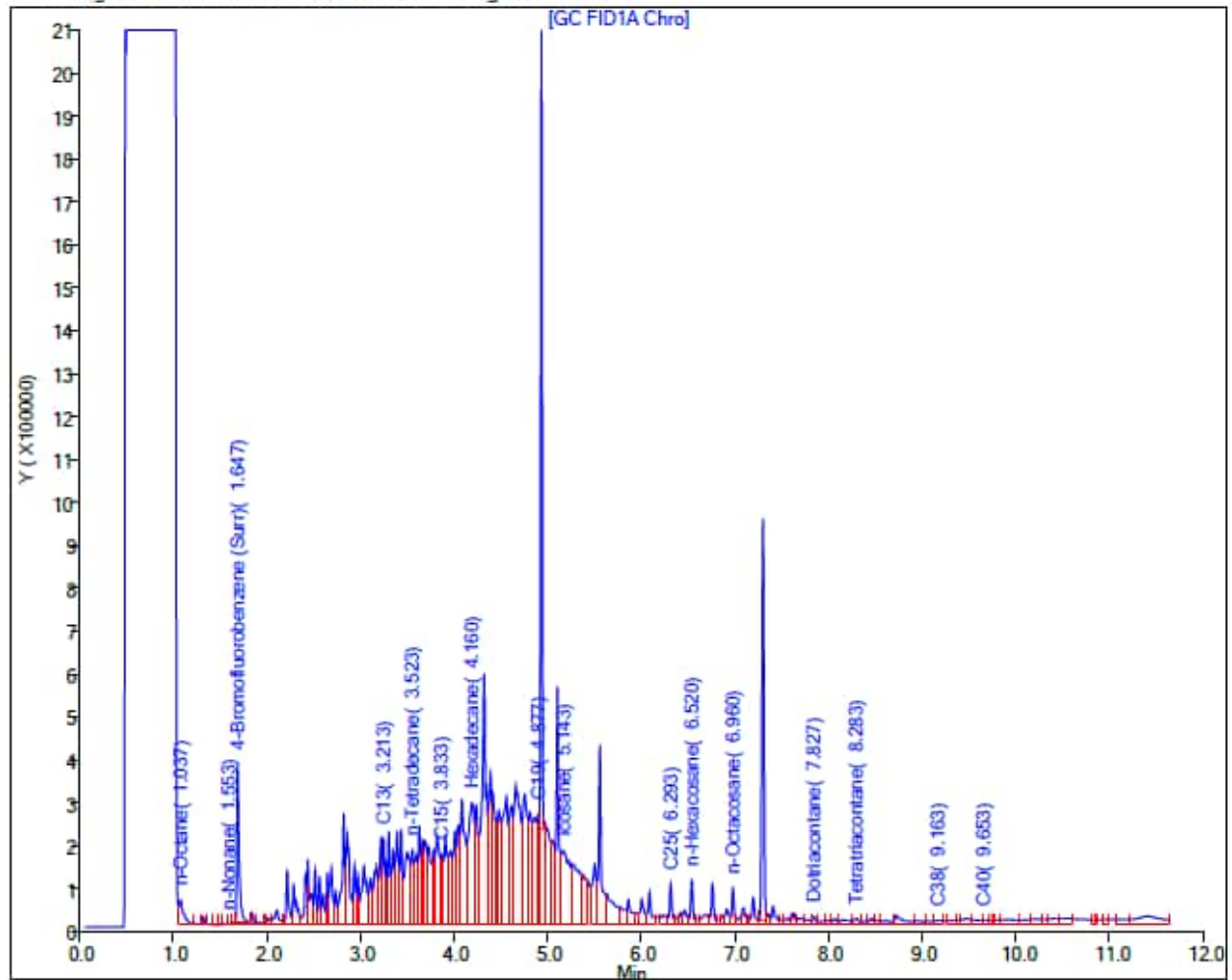
Instrument ID: TAC129

Lab Sample ID: 580-124109-7

ALS Bottle#: 0 Worklist Smp#: 17

Dil. Factor: 1.0000

Limit Group: 8015B-D DRO ICAL CA and HW ranges



Results (ug/L): TPH-d SGC (C10 to C24) 320

TPH-o SGC (C24 to C40) <310 U

Report Date: 07-Mar-2023 17:41:10

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A046.D

Injection Date: 07-Mar-2023 16:46:58

Instrument ID: TAC129

Lims ID: 580-124109-N-7-B

Lab Sample ID: 580-124109-7

Client ID: RHMW02-WGN01B-2302WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 21

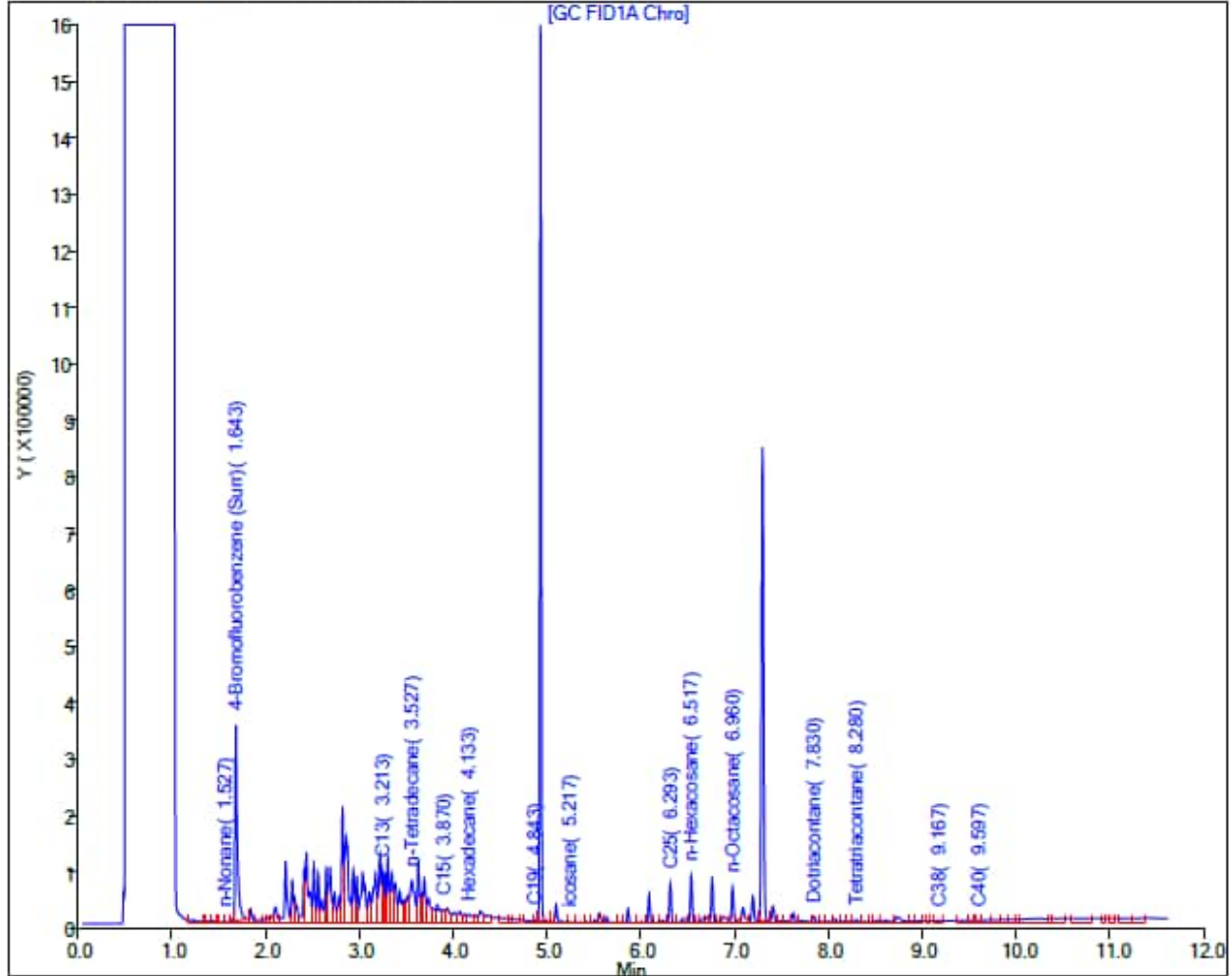
Injection Vol: 1.0 uL

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



Location: **RHMW02** Sample ID: RHMW02-WGN01B-2303WK1 Sample Date: 3/7/2023
Lab: Eurofins Seattle

Results (ug/L): **TPH-d (C10 to C24) 620**

TPH-o (C24 to C40) <310 U

Report Date: 13-Mar-2023 11:33:05

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: Eurofins Seattle

Injection Date: 11-Mar-2023 01:46:44 Instrument ID: TAC129

Lims ID: 580-124459-O-1-A

Lab Sample ID: 580-124459-1

Client ID: RHMW02-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 22

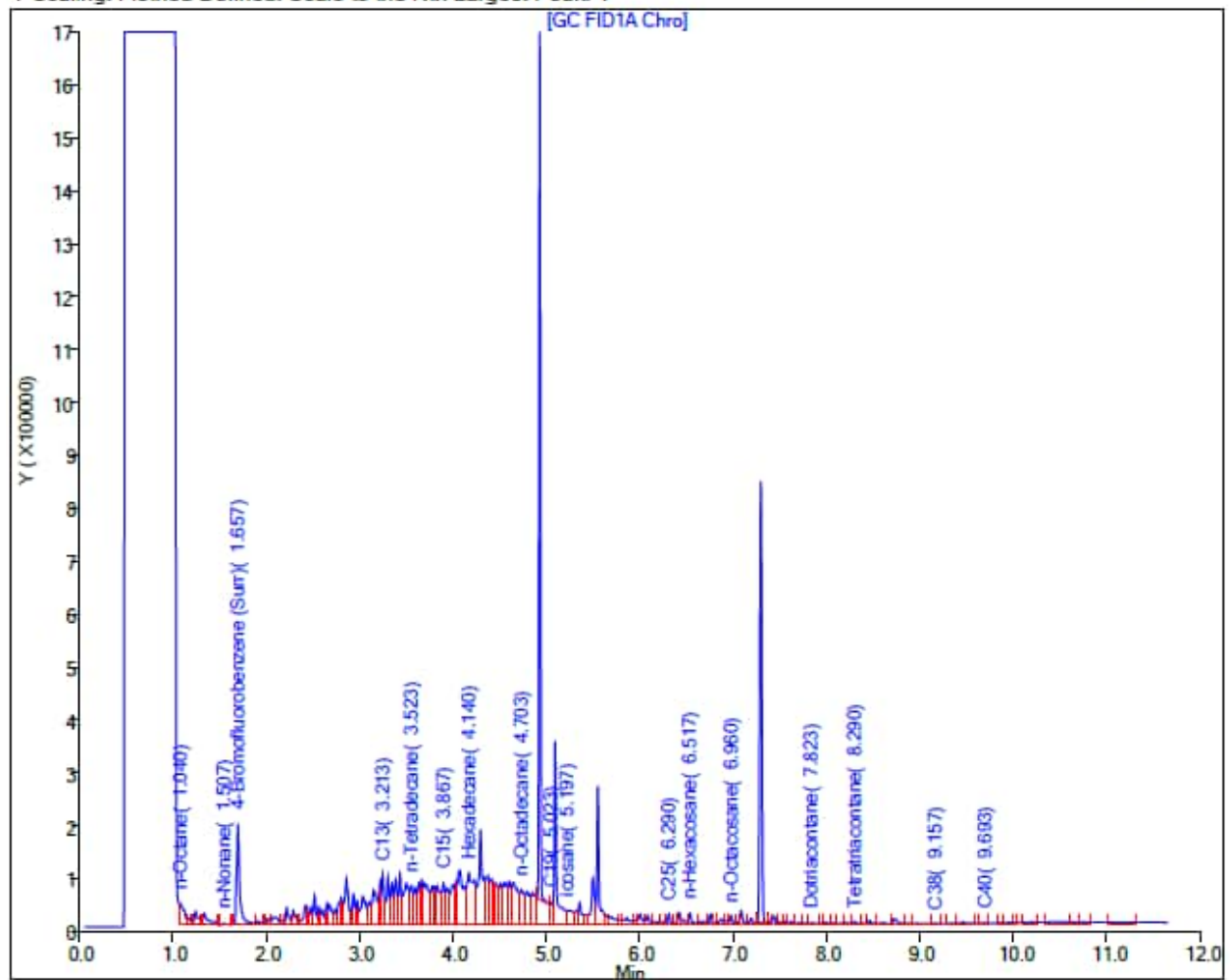
Injection Vol: 1.0 uL

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



Results (ug/L): TPH-d SGC (C10 to C24) 140

TPH-o SGC (C24 to C40) <310 U

Report Date: 14-Mar-2023 08:39:10

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230313-87469.b\031323A048.D

Injection Date: 13-Mar-2023 19:16:14

Instrument ID: TAC129

Lims ID: 580-124459-O-1-B

Lab Sample ID: 580-124459-1

Client ID: RHMW02-WGN01B-2303WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 13

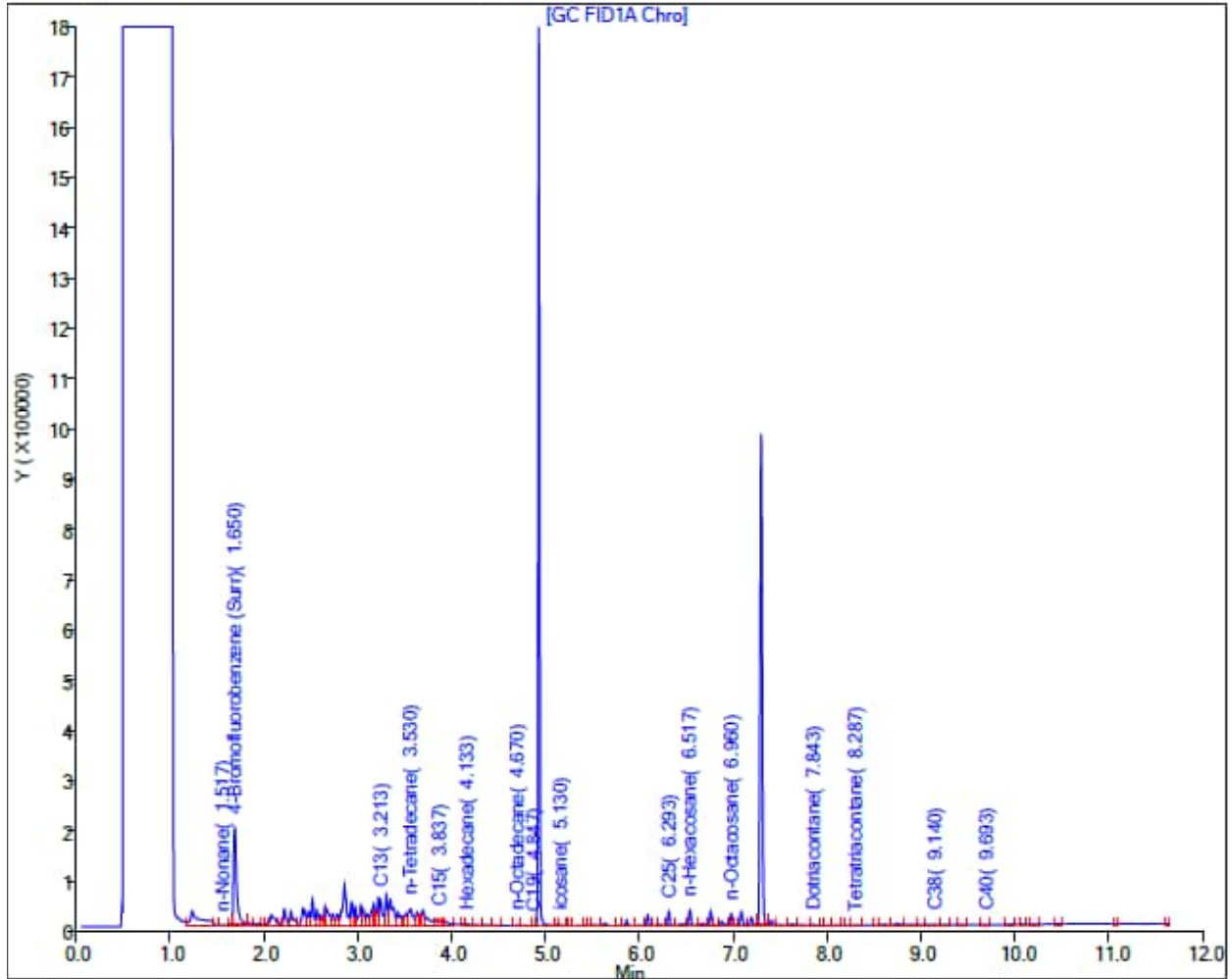
Injection Vol: 1.0 uL

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



Location: RHMW02
Lab: Eurofins Seattle

Sample ID: RHMW02-WGN01B-2303WK3

Sample Date: 3/21/2023

Results (ug/L): TPH-d (C10 to C24) 1500

TPH-o (C24 to C40) <300 U

Report Date: 29-Mar-2023 07:52:40

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230328-87702.b\032823A042.D

Eurofins Seattle

Injection Date: 29-Mar-2023 03:18:05

Instrument ID: TAC020

Lims ID: 580-125125-N-1-A

Lab Sample ID: 580-125125-1

Client ID: RHMW02-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 42

Injection Vol: 1.0 ul

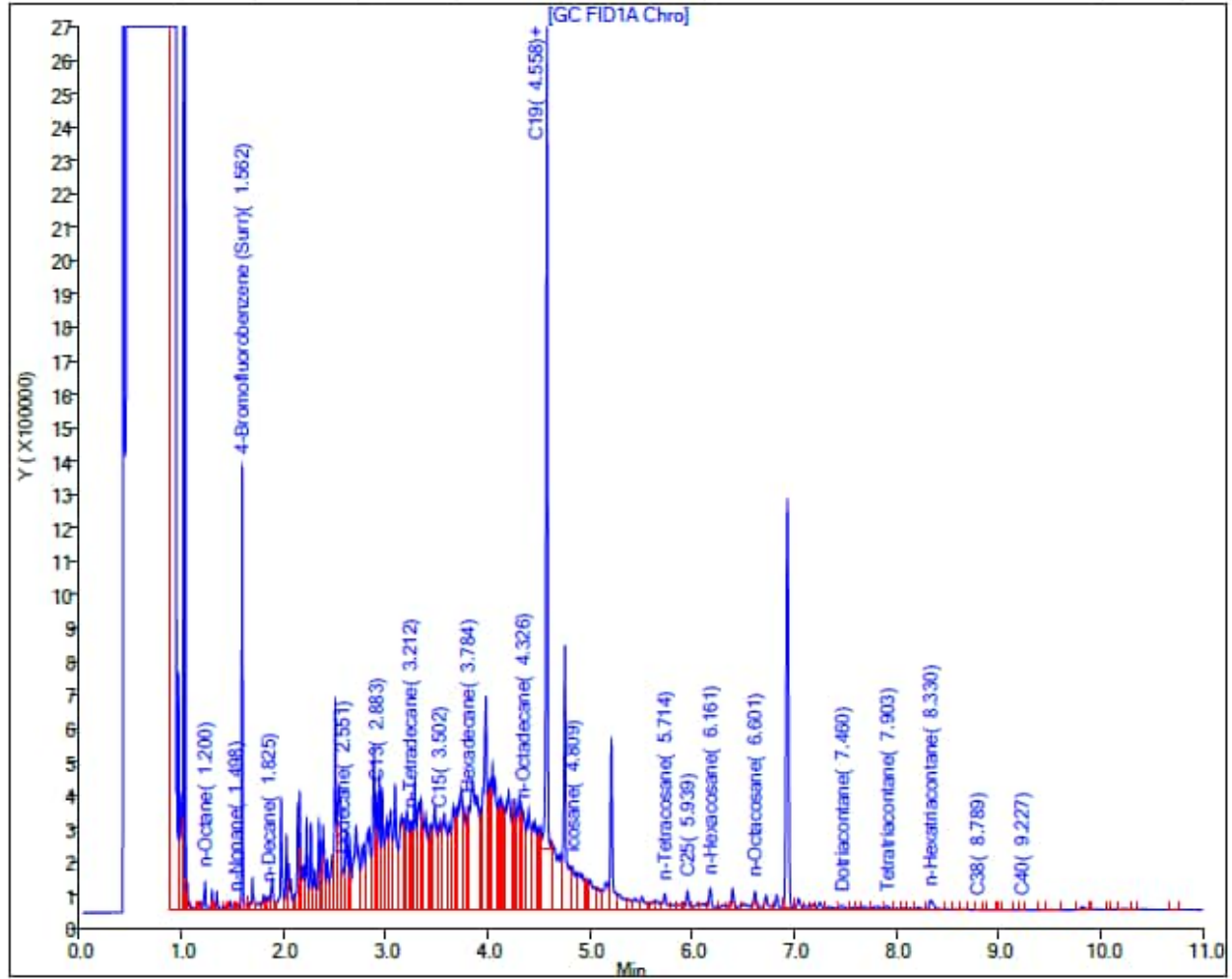
Dil. Factor: 1.0000

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



Results (ug/L): TPH-d SGC (C10 to C24) 460

TPH-o SGC (C24 to C40) <300 U

Report Date: 06-Apr-2023 08:54:26

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230405-87801.b\040523A028.D

Injection Date: 05-Apr-2023 19:39:20

Instrument ID: TAC020

Lims ID: 580-125125-N-1-B

Lab Sample ID: 580-125125-1

Client ID: RHMW02-WGN01B-2303WK3

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul

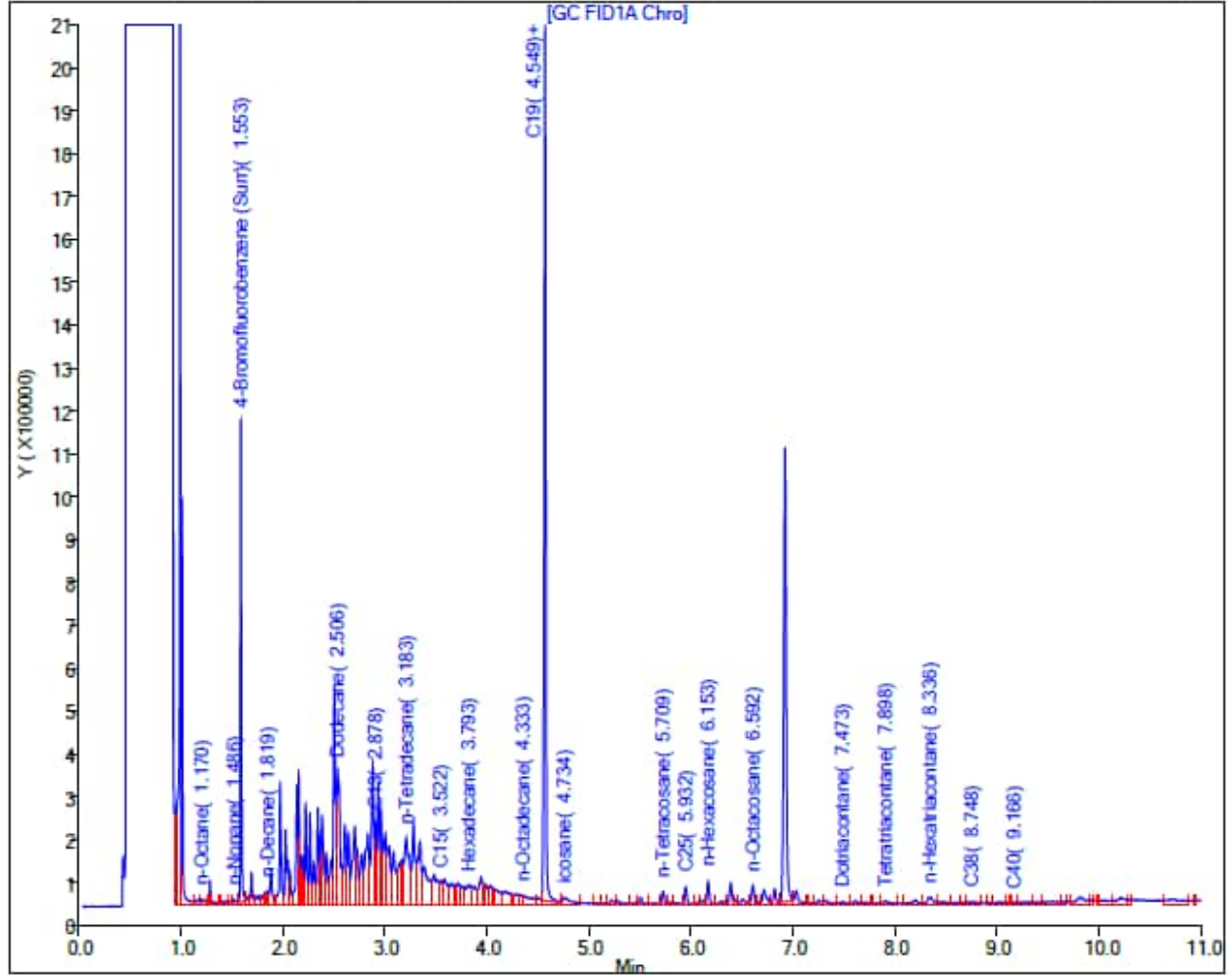
Dil. Factor: 1.0000

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: RHMW02
Lab: Eurofins Seattle

Sample ID: RHMW02-WGN01B-2303WK4

Sample Date: 3/28/2023

Results (ug/L): TPH-d (C10 to C24) 1300

TPH-o (C24 to C40) <310 U

Report Date: 05-Apr-2023 11:50:40

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A033.D

Eurofins Seattle

Injection Date: 04-Apr-2023 20:25:13

Instrument ID: TAC020

Lims ID: 580-125358-O-1-A

Lab Sample ID: 580-125358-1

Client ID: RHMW02-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 33

Injection Vol: 1.0 ul

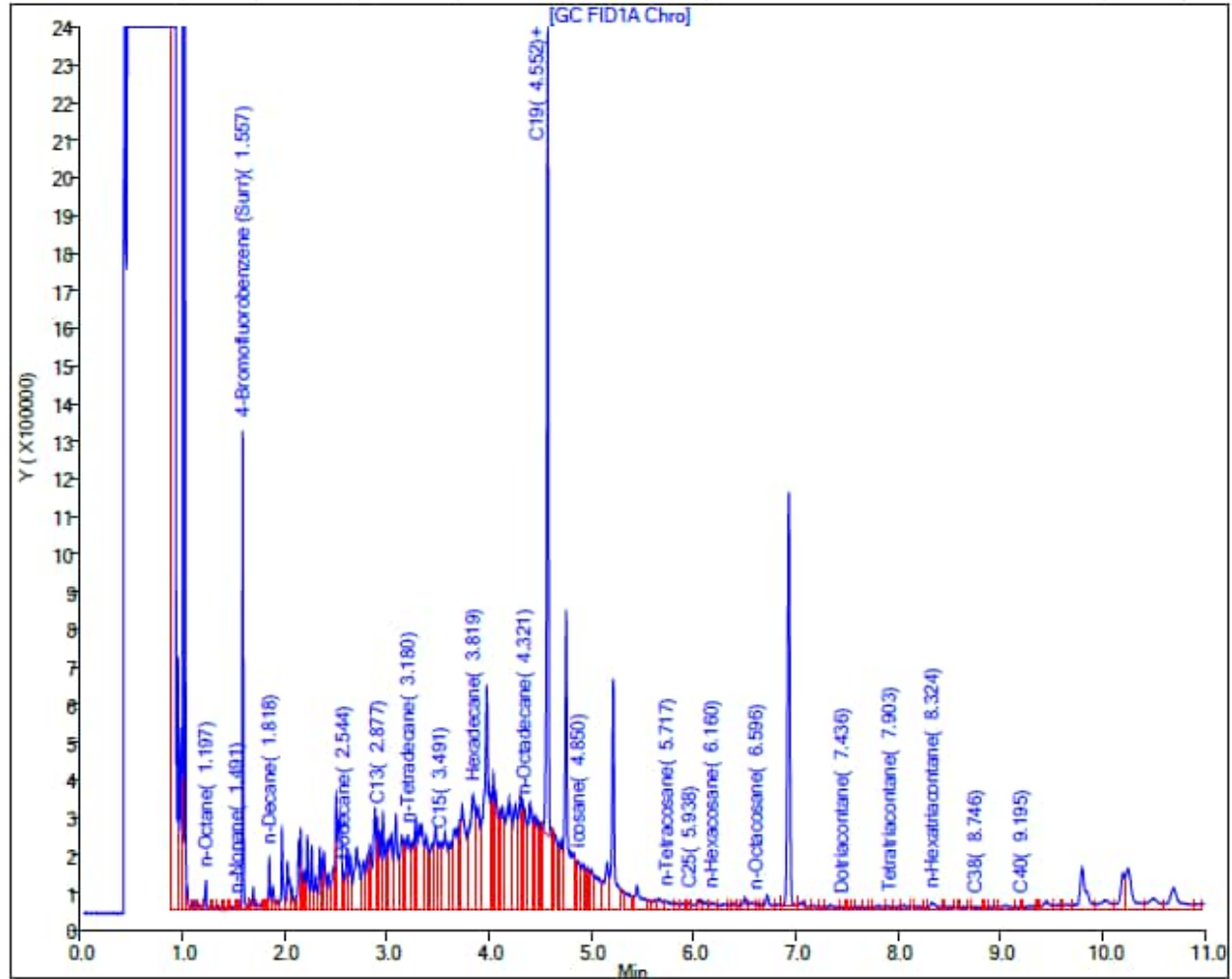
Dil. Factor: 1.0000

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



Results (ug/L): TPH-d SGC (C10 to C24) 290

TPH-o SGC (C24 to C40) <310 U

Report Date: 07-Apr-2023 09:23:17

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230406-87841.b\040623C035.D

Injection Date: 07-Apr-2023 01:16:09

Instrument ID: TAC129_R

Lims ID: 580-125358-O-1-B

Lab Sample ID: 580-125358-1

Client ID: RHMW02-WGN01B-2303WK4

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 18

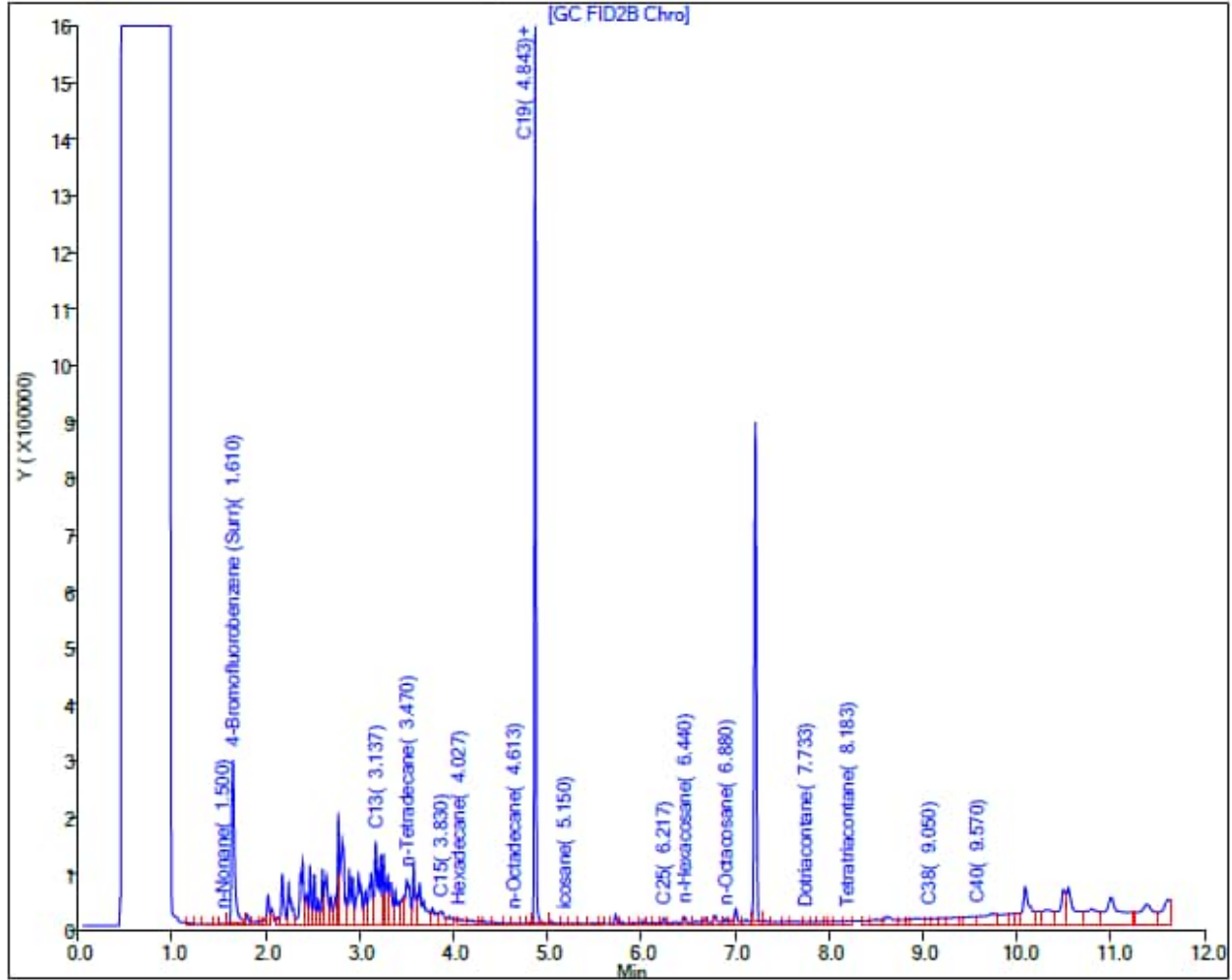
Injection Vol: 1.0 ul

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



Location: **RHMW02** Sample ID: RHMW02-WGN01B-2304WK1 Sample Date: 4/4/2023
Lab: Eurofins Seattle

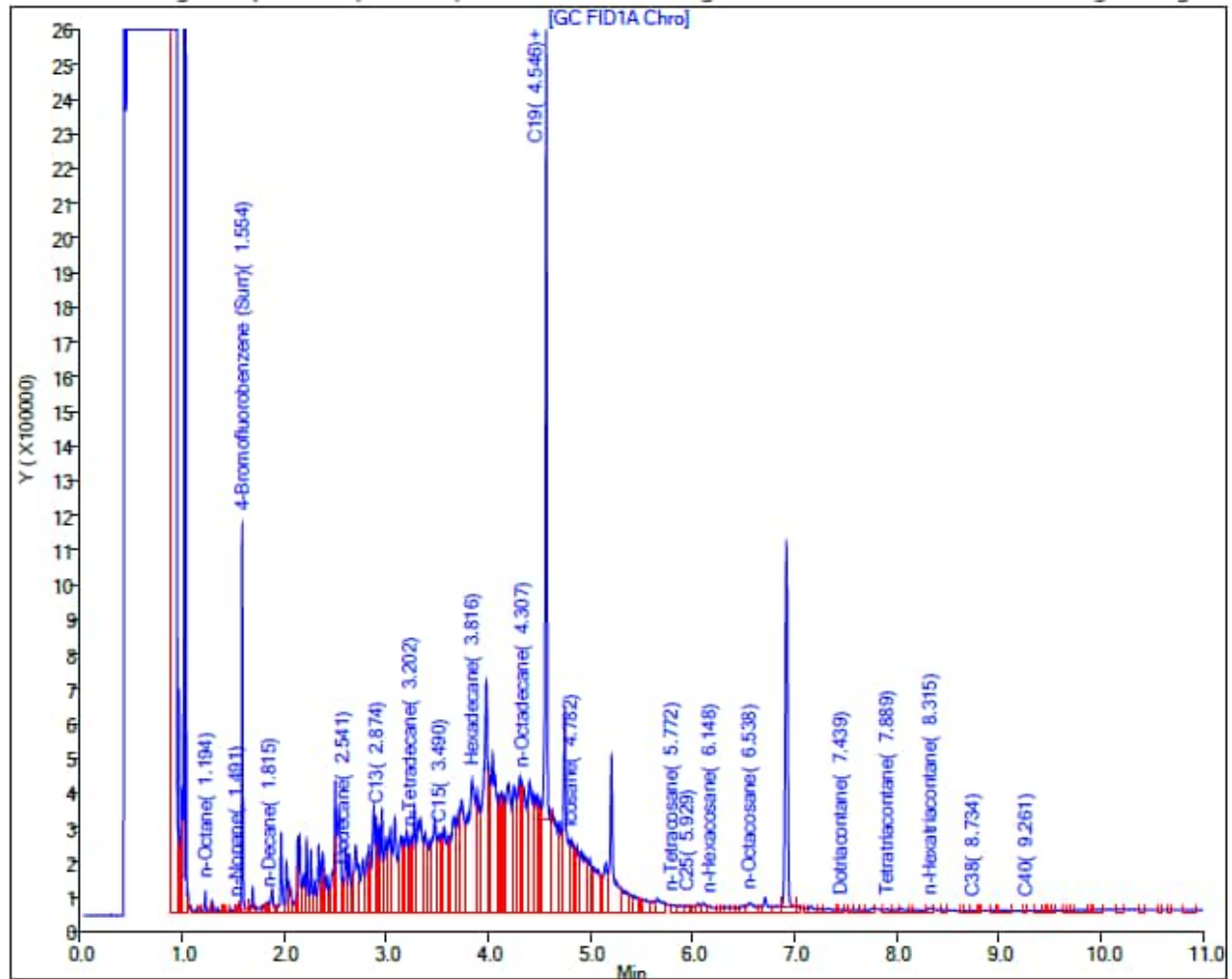
Results (ug/L): **TPH-d (C10 to C24) 1500**

TPH-o (C24 to C40) <300 U

Report Date: 11-Apr-2023 09:27:44

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230410-87867.b\041023A048.D
Injection Date: 11-Apr-2023 02:09:41 Instrument ID: TAC020
Lims ID: 580-125644-N-7-A Lab Sample ID: 580-125644-7
Client ID: RHMW02-WGN01B-2304WK1
Operator ID: KW ALS Bottle#: 0 Worklist Smp#: 48
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) 400

TPH-o SGC (C24 to C40) <300 U

Report Date: 13-Apr-2023 09:29:39

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230411-87899.b\041123A008.D

Injection Date: 11-Apr-2023 16:24:59

Instrument ID: TAC020

Lims ID: 580-125644-N-7-B

Lab Sample ID: 580-125644-7

Client ID: RHMW02-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul

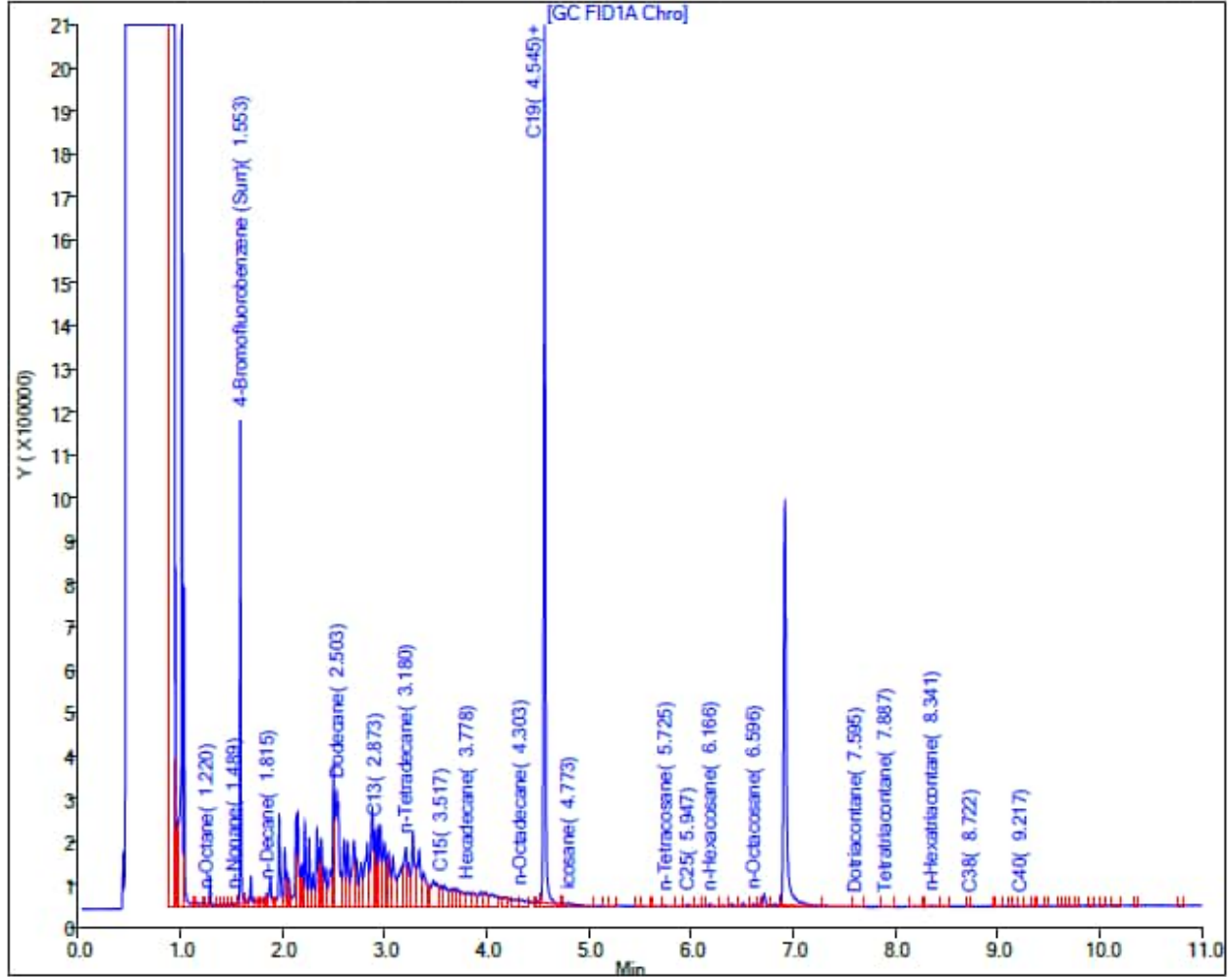
Dil. Factor: 1.0000

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



Location: **Sump Adit 3** Sample ID: ADIT3-SUMP-WGN01B-2304WK1 Sample Date: 4/5/2023

Lab: Eurofins Seattle

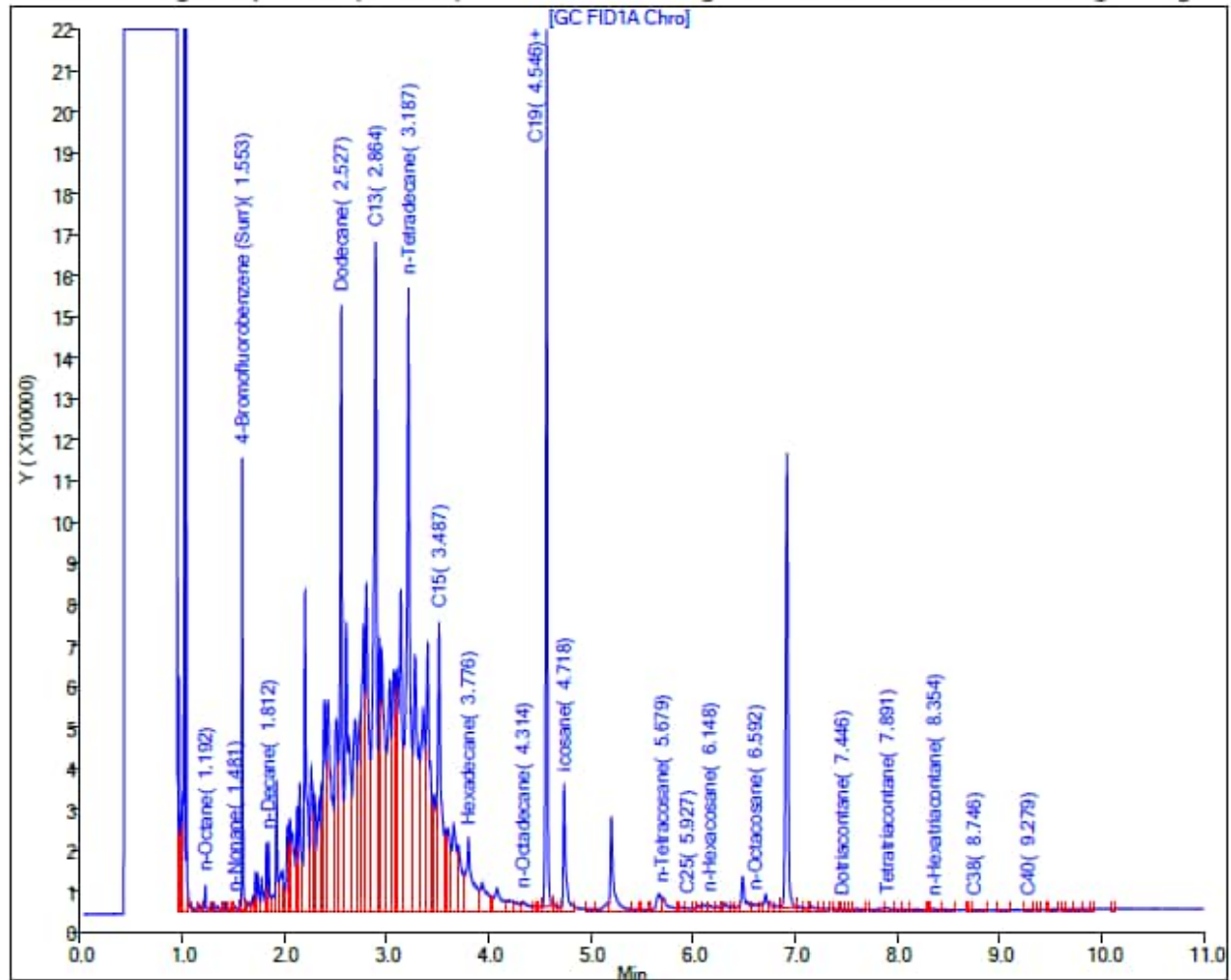
Results (ug/L): **TPH-d (C10 to C24) 1600**

TPH-o (C24 to C40) <310 U

Report Date: 11-Apr-2023 09:28:29

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230410-87867.b\041023A053.D
Injection Date: 11-Apr-2023 03:50:36 Instrument ID: TAC020
Lims ID: 580-125642-O-1-A Lab Sample ID: 580-125642-1
Client ID: ADIT3-SUMP-WGN01B-2304WK1
Operator ID: KW 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) 1500

TPH-o SGC (C24 to C40) <310 U

Report Date: 13-Apr-2023 09:29:49

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230411-87899.b\041123A010.D

Injection Date: 11-Apr-2023 17:05:23

Instrument ID: TAC020

Lims ID: 580-125642-O-1-B

Lab Sample ID: 580-125642-1

Client ID: ADIT3-SUMP-WGN01B-2304WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 10

Injection Vol: 1.0 ul

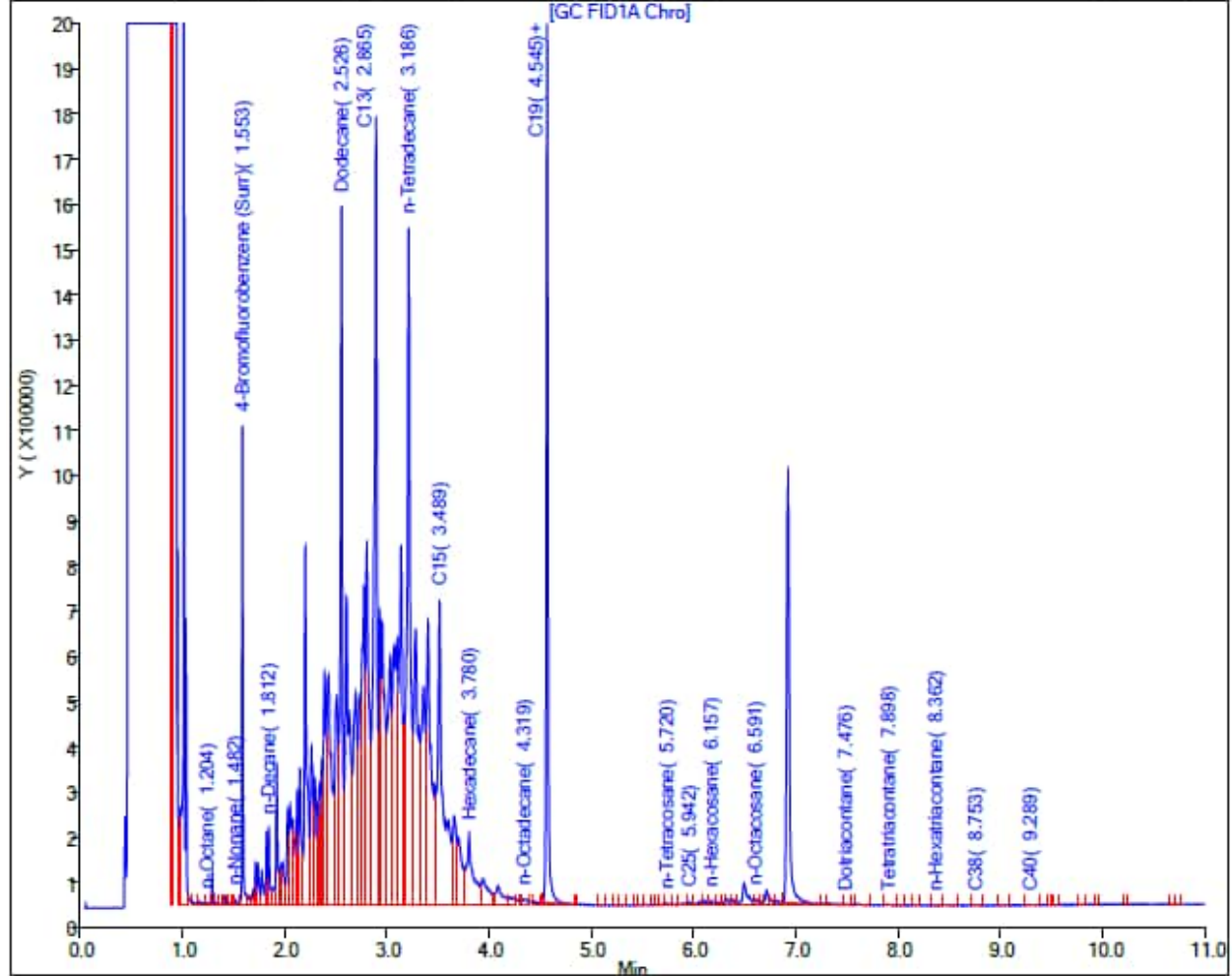
Dil. Factor: 1.0000

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



Location: **RHMW02**
Lab: Eurofins Seattle

Sample ID: RHMW02-WGN01B-2305WK1

Sample Date: 5/2/2023

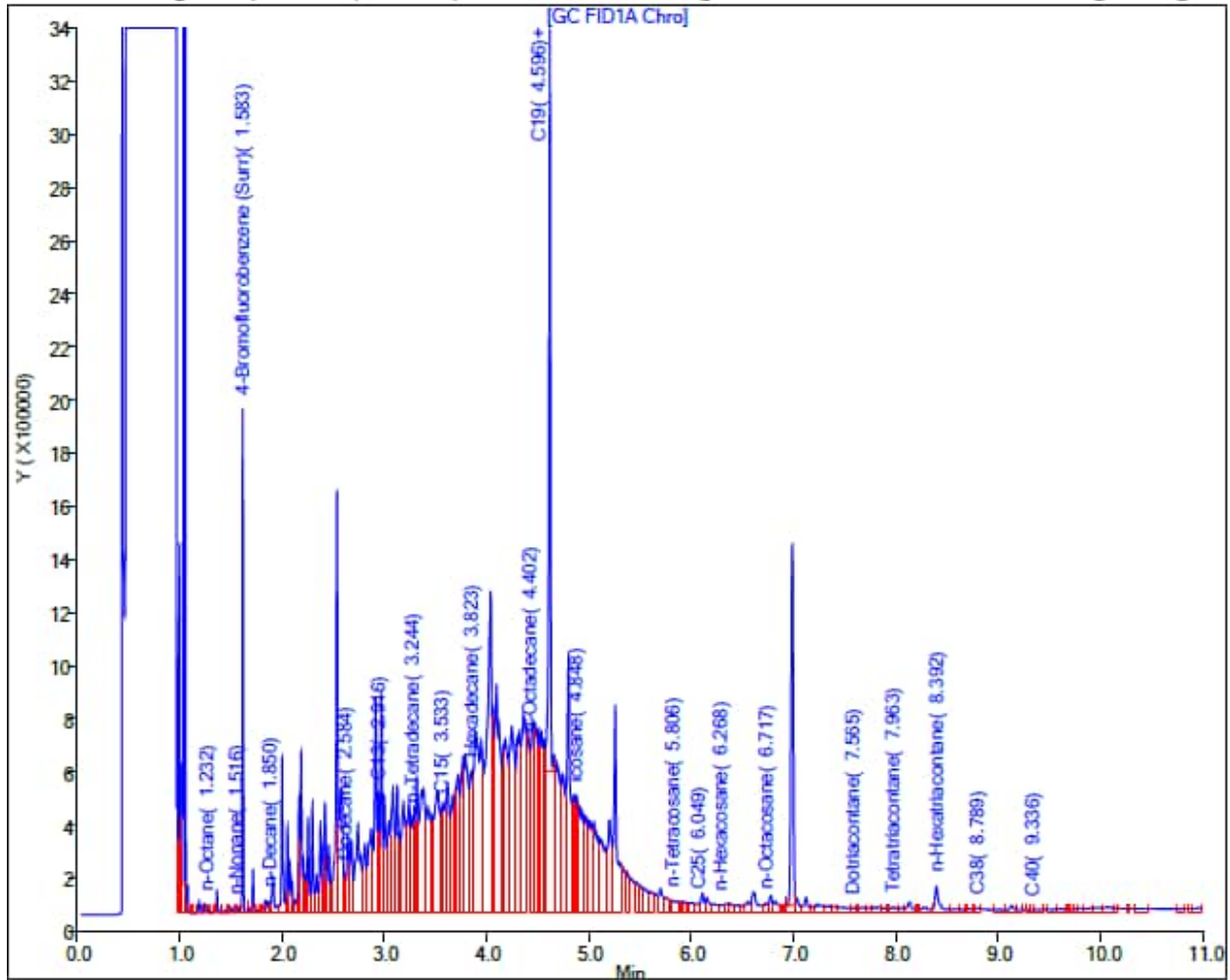
Results (ug/L): **TPH-d (C10 to C24) 2400**

TPH-o (C24 to C40) 220 J

Report Date: 08-May-2023 11:22:12

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC020\20230505-88280.b\050523B036.D
Injection Date: 06-May-2023 04:53:03 Instrument ID: TAC020
Lims ID: 580-126762-O-5-A Lab Sample ID: 580-126762-5
Client ID: RHMW02-WGN01B-2305WK1
Operator ID: KW ALS Bottle#: 0 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



Results (ug/L): TPH-d SGC (C10 to C24) 600

TPH-o SGC (C24 to C40) <300 U

Report Date: 11-May-2023 16:13:57

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230510-88355.b\051023C057.D

Injection Date: 11-May-2023 14:43:25

Instrument ID: TAC020

Lims ID: 580-126762-O-5-B

Lab Sample ID: 580-126762-5

Client ID: RHMW02-WGN01B-2305WK1

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 57

Injection Vol: 1.0 ul

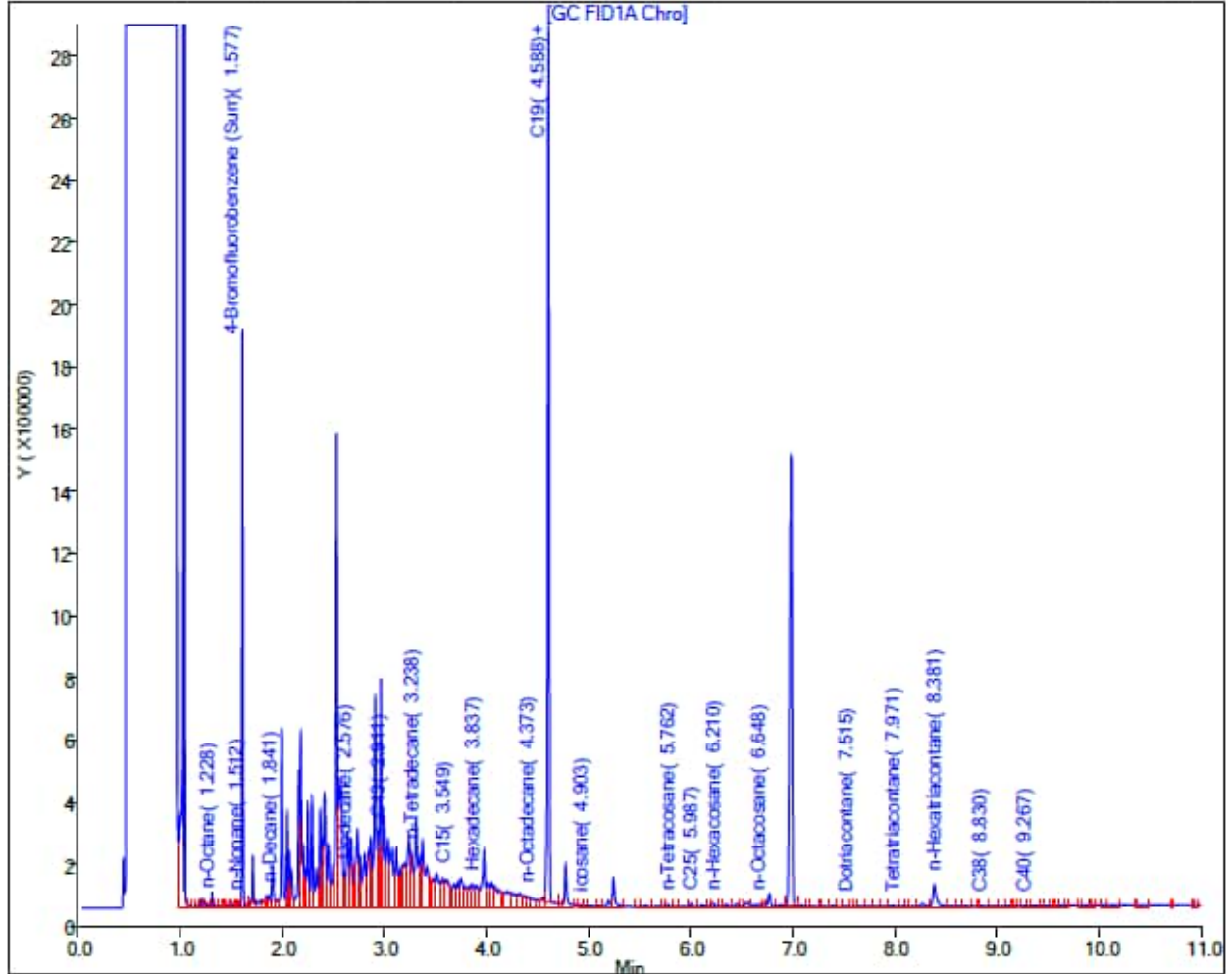
Dil. Factor: 1.0000

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-WGN01B-2305WK2

Sample Date: 5/11/2023

Results (ug/L): **TPH-d (C10 to C24) 620**

TPH-o (C24 to C40) 890

Report Date: 17-May-2023 14:04:58

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Data File: Eurofins Seattle

Injection Date: 17-May-2023 13:48:20

Lims ID: 580-127171-N-4-A

Client ID: RHMW08-WGN01B-2305WK2

Operator ID: KW

Injection Vol: 1.0 ul

Method: TPH-TAC129Rear

Instrument ID: TAC129_R

Lab Sample ID: 580-127171-4

ALS Bottle#:

Dil. Factor:

Limit Group:

0

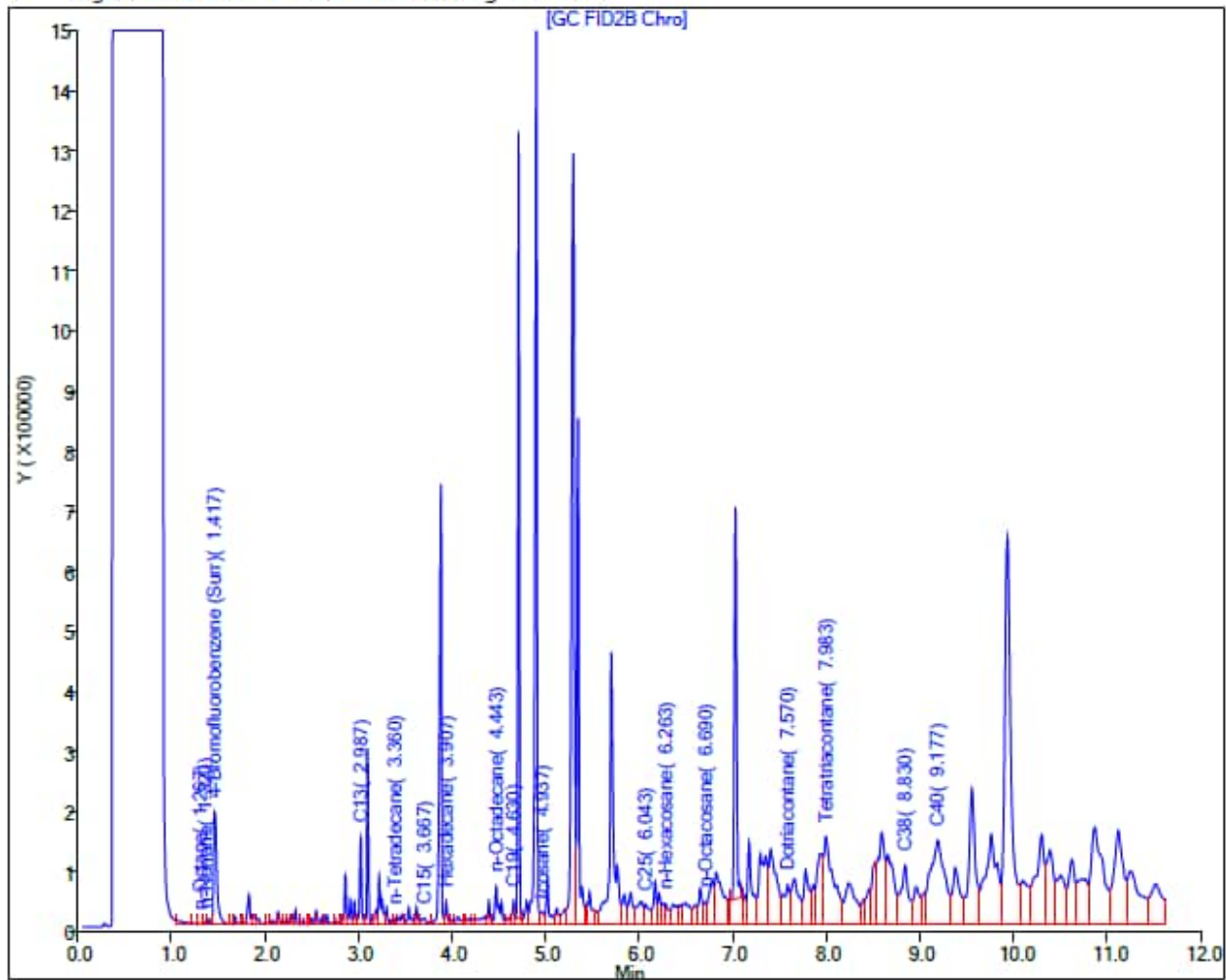
1.0000

8015B-D DRO ICAL

Worklist Smp#: 14

CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Results (ug/L): TPH-d SGC (C10 to C24) 150

TPH-o SGC (C24 to C40) 230 J

Report Date: 18-May-2023 10:11:04

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230517-88470.b\051723C023.D

Injection Date: 17-May-2023 19:41:26

Instrument ID: TAC129_R

Lims ID: 580-127171-N-4-B

Lab Sample ID: 580-127171-4

Client ID: RHMW08-WGN01B-2305WK2

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 12

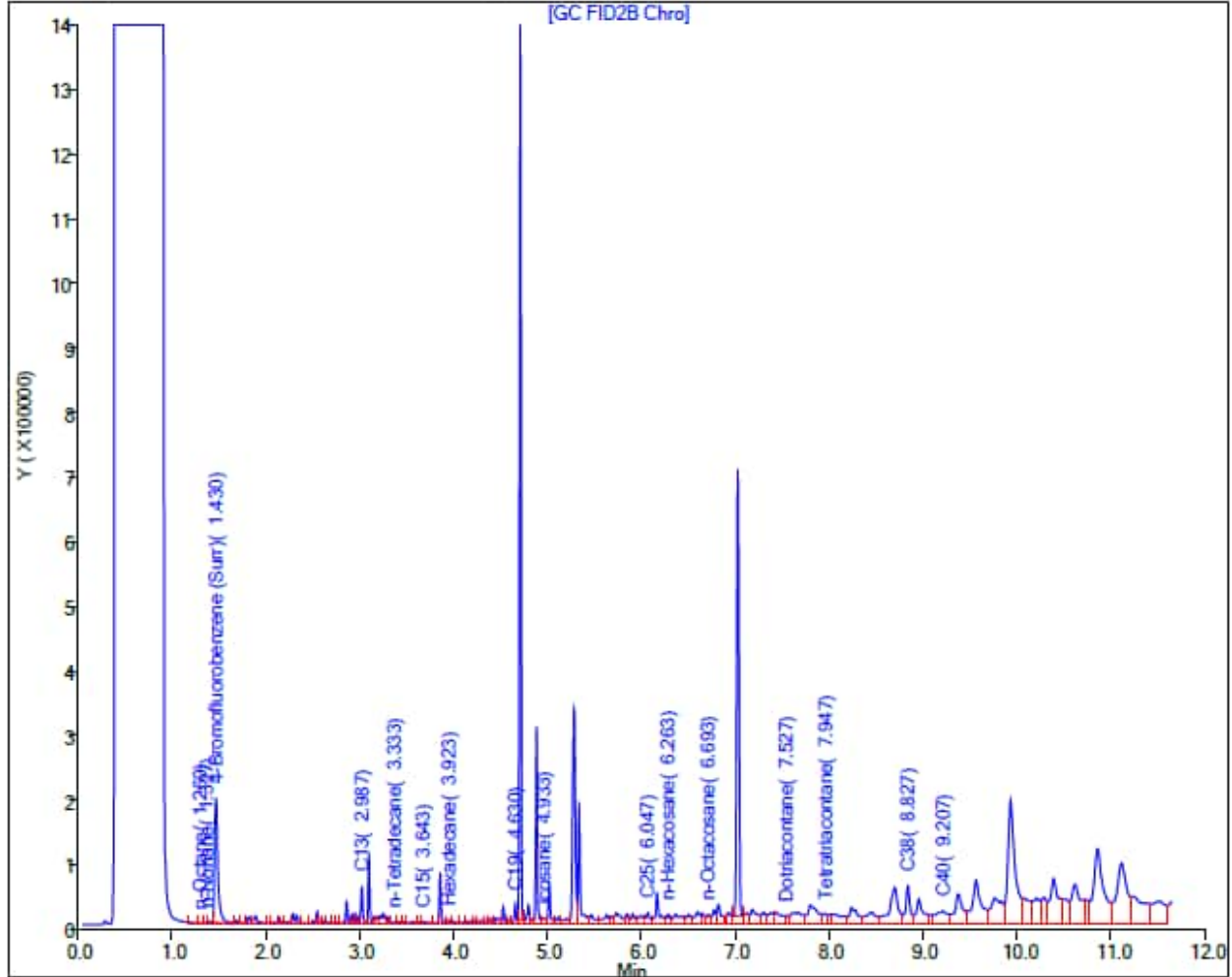
Injection Vol: 1.0 ul

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



Method Blank Associated with SDG 580-122761-1

Sample ID: RHMW08-WGN01B-2301WK4, RHMW04-WGN01B-2301WK4, RHMW04-WGFD01B-2301WK4, RHMW06-WGN01B-2301WK4

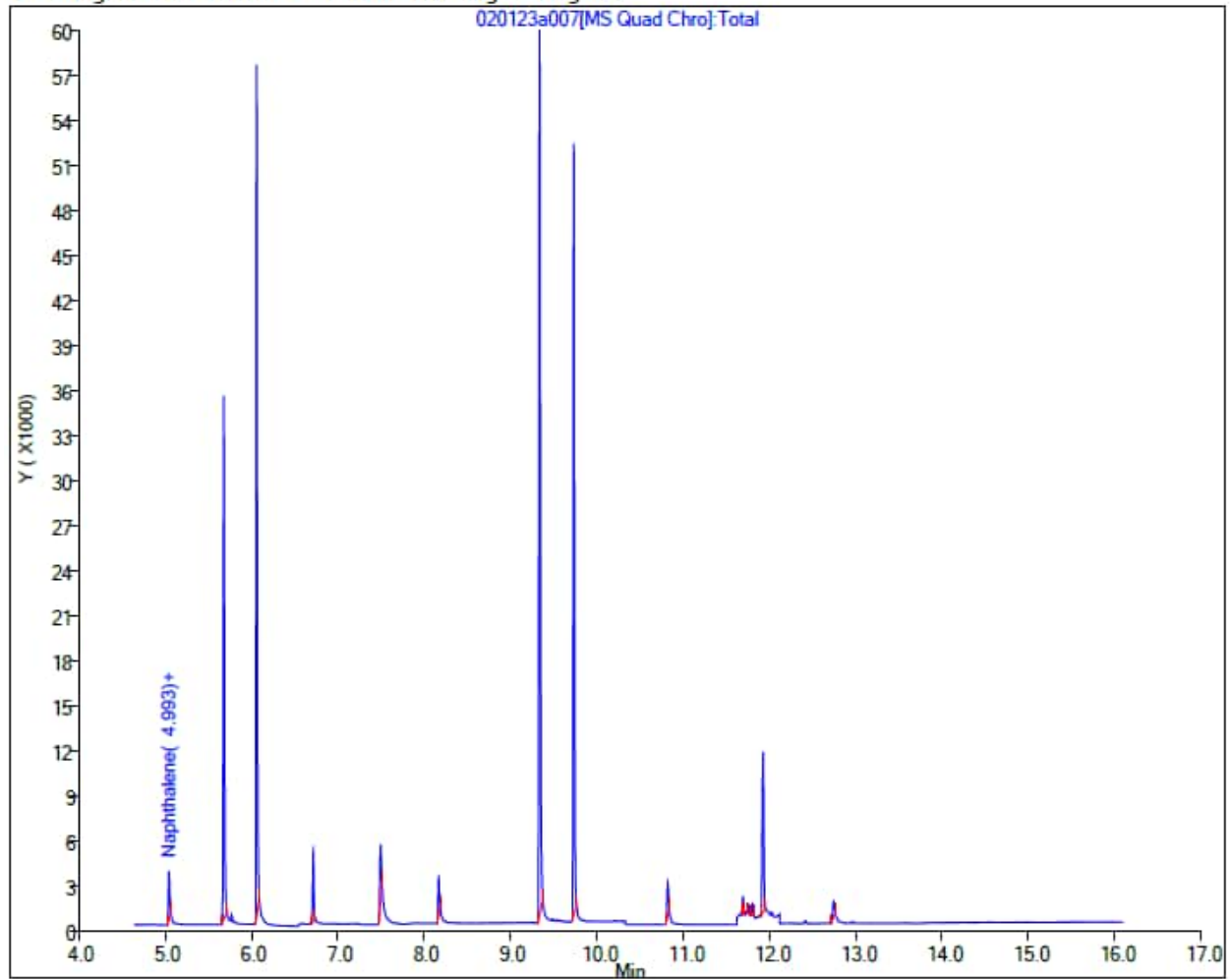
Sample Date: 1/25/2023

Lab: Eurofins Seattle

Report Date: 02-Feb-2023 14:22:34

Chrom Revision: 2.3 28-Jan-2023 14:03:14

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC050\20230201-86910.b\020123a007.D
Injection Date: 01-Feb-2023 19:47:09 Instrument ID: TAC050
Lims ID: MB 580-416760/1-A
Client ID:
Operator ID: tl ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-123592-1

Sample ID: RHMW01R-WGN01B-2302WK2, RHMW11-05-WGN01G-2302WK2, OWDFMW04A-WGN01LF-2302WK2, OWDFMW04A-WGFD01LF-2302WK2, OWDFMW05A-WGN01LF-2302WK2

Sample Date: 2/14/2023, 2/15/2023

Lab: Eurofins Seattle

Report Date: 23-Feb-2023 08:32:57

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Data File: \\chromfs\Seattle\Eurofins Seattle

Injection Date: 20-Feb-2023 20:19:30 Instrument ID: TAC051

Lims ID: MB 580-418358/1-A

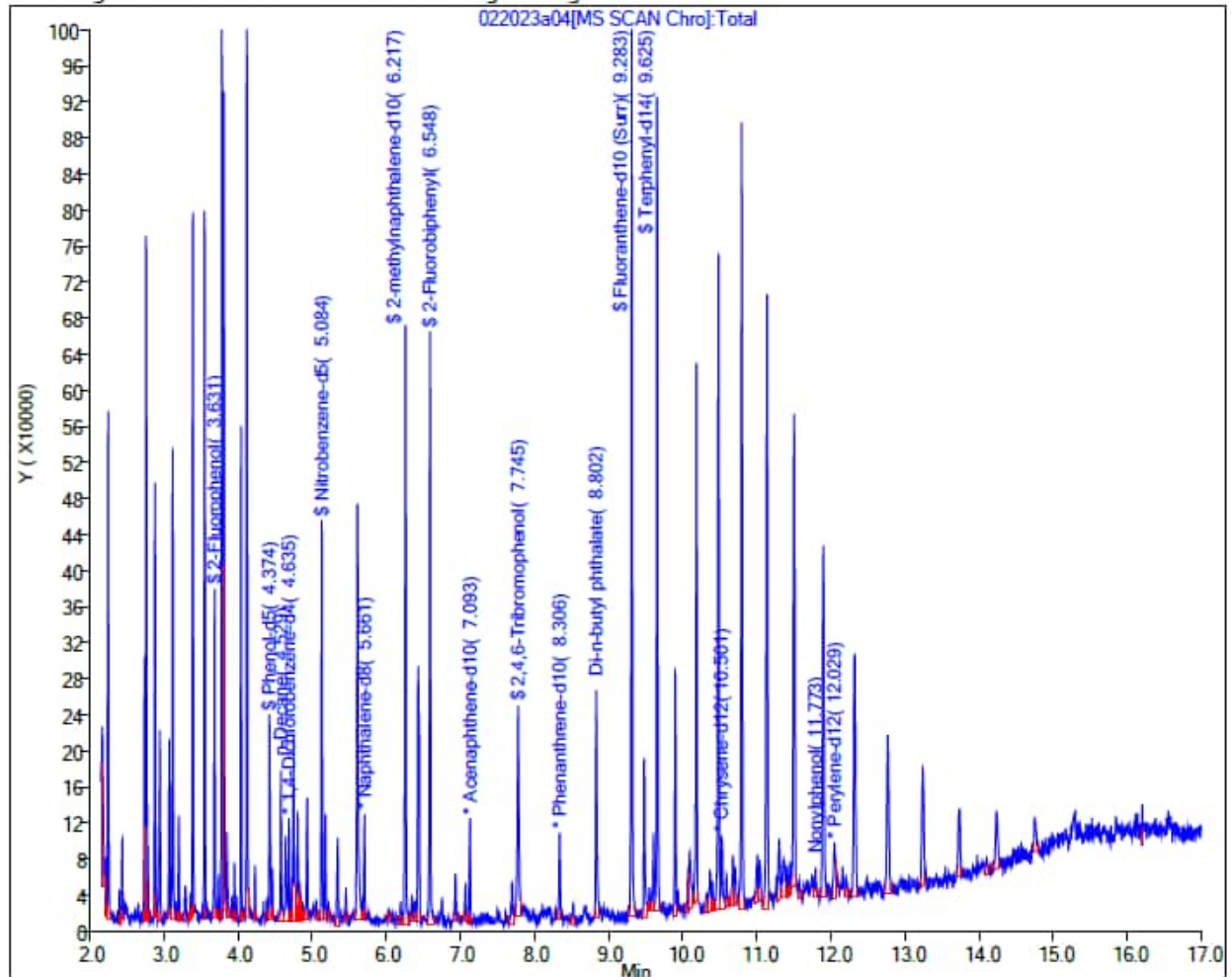
Client ID:

Operator ID: DH ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-123602-1

Sample ID: RHMW05-WGN01B-2302WK2, RHMW13-05-WGN01G-2302WK2, RHMW03-WGN01B-2302WK2, RHMW02-WGN01B-2302WK2

Sample Date: 2/14/2023

Lab: Eurofins Seattle

Report Date: 20-Feb-2023 09:45:53

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

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

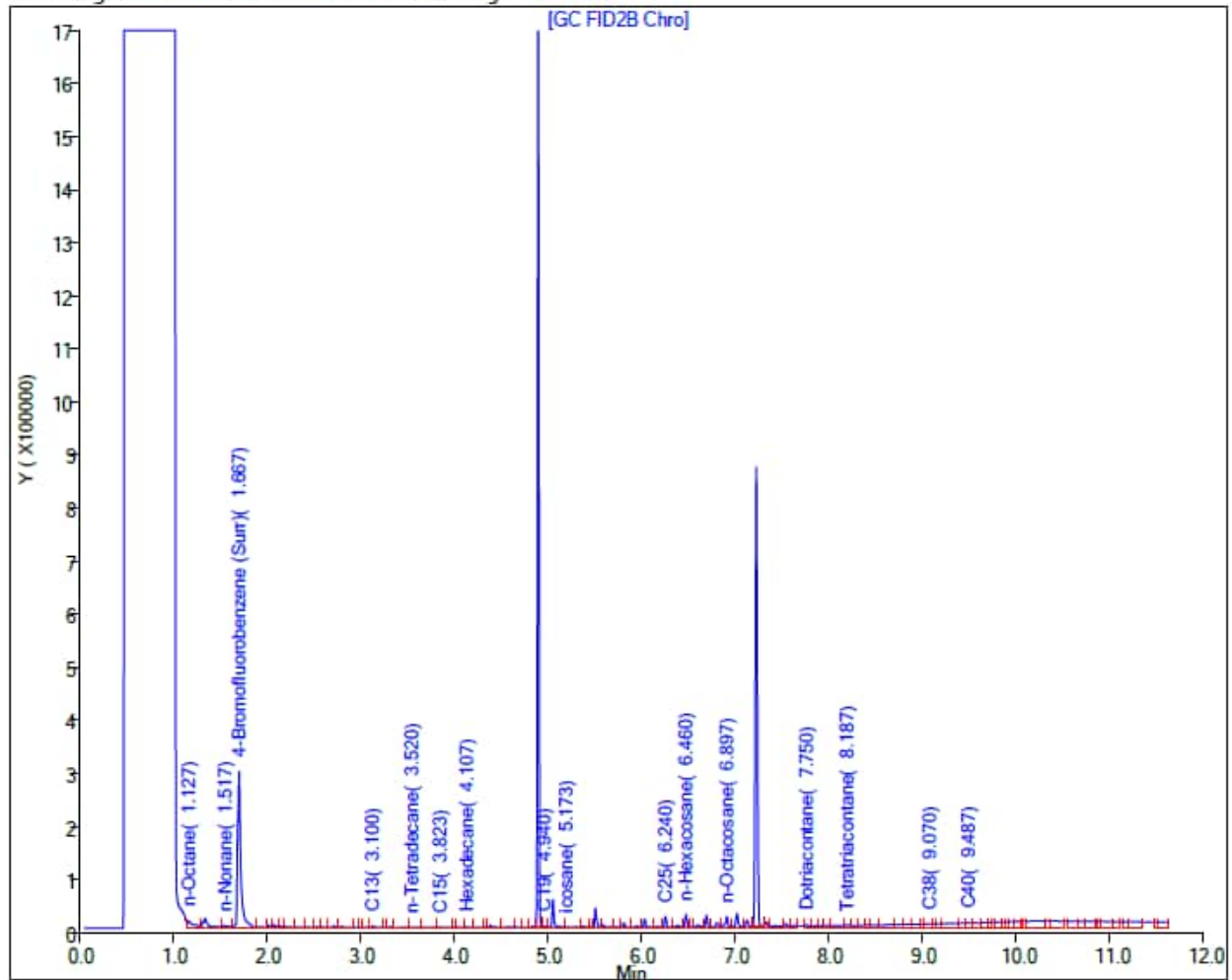
Injection Vol: 1.0 uL

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 580-123741-1

Sample ID: RHMW19-WGN01B-2302WK3, RHMW09-WGN01B-2302WK3

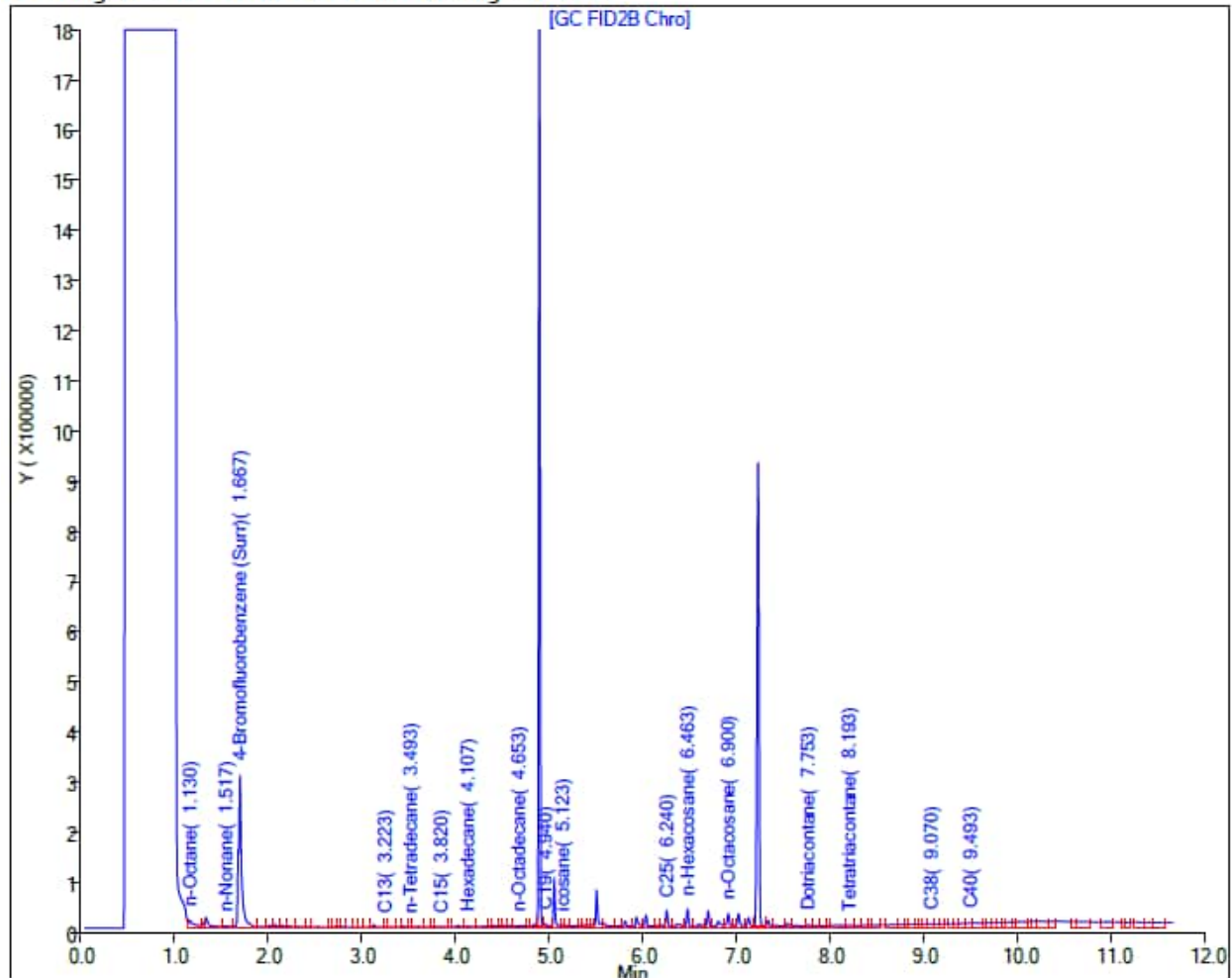
Sample Date: 2/20/2023

Lab: Eurofins Seattle

Report Date: 23-Feb-2023 08:44:00

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230222-87216.b\022223A009.D
Injection Date: 22-Feb-2023 20:08:51 Instrument ID: TAC129_R
Lims ID: MB 580-418601/1-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 580-123907-1

Sample ID: RHMW03-WGN01B-2302WK3, OWDFMW04A-WGFD01LF-2302WK3, RHMW13-05-WGN01G-2302WK3, OWDFMW05A-WGN01LF-2302WK3, OWDFMW04A-WGN01LF-2302WK3

Sample Date: 2/21/2023, 2/22/2023

Lab: Eurofins Seattle

Report Date: 28-Feb-2023 10:00:48

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230227-87261.b\022723A010.D

Injection Date: 27-Feb-2023 19:05:12

Instrument ID: TAC129

Lims ID: MB 580-418805/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

5

Injection Vol: 1.0 uL

Dil. Factor:

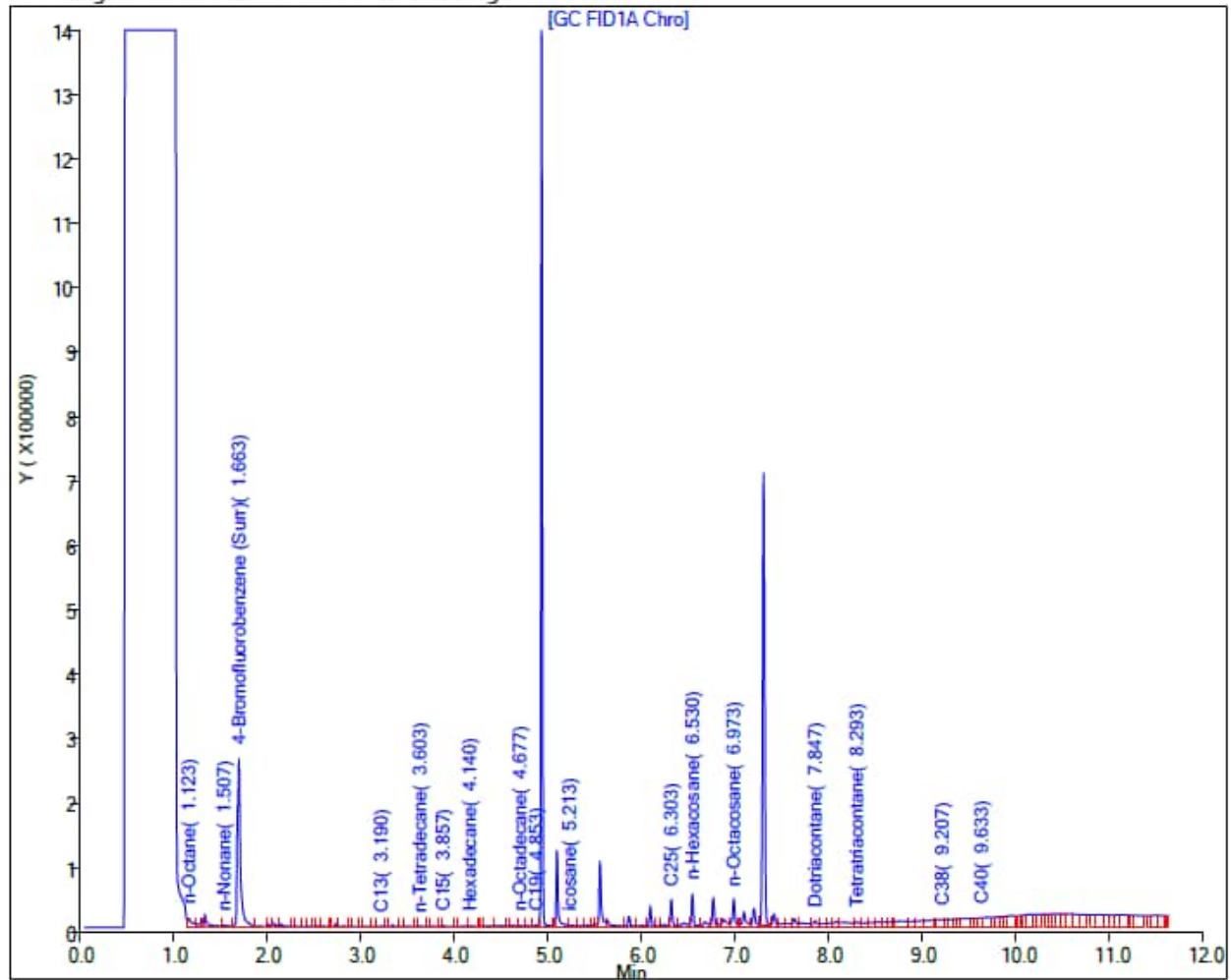
1.0000

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 580-120140-1

Sample ID: RHMW05-WGN01B-2302WK3, RHMW12A-WGN01LF-2302WK3, RHMW01R-WGN01B-2302WK3, RHMW16-WGN01LF-2302WK3, RHMW02-WGN01B-2302WK3

Sample Date: 2/21/2023

Lab: Eurofins Seattle

Report Date: 02-Mar-2023 09:45:02

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230301-87303.b\030123_037.D

Injection Date: 02-Mar-2023 07:02:19

Instrument ID: TAC020

Lims ID: MB 580-419202/1-B

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 37

Injection Vol: 1.0 ul

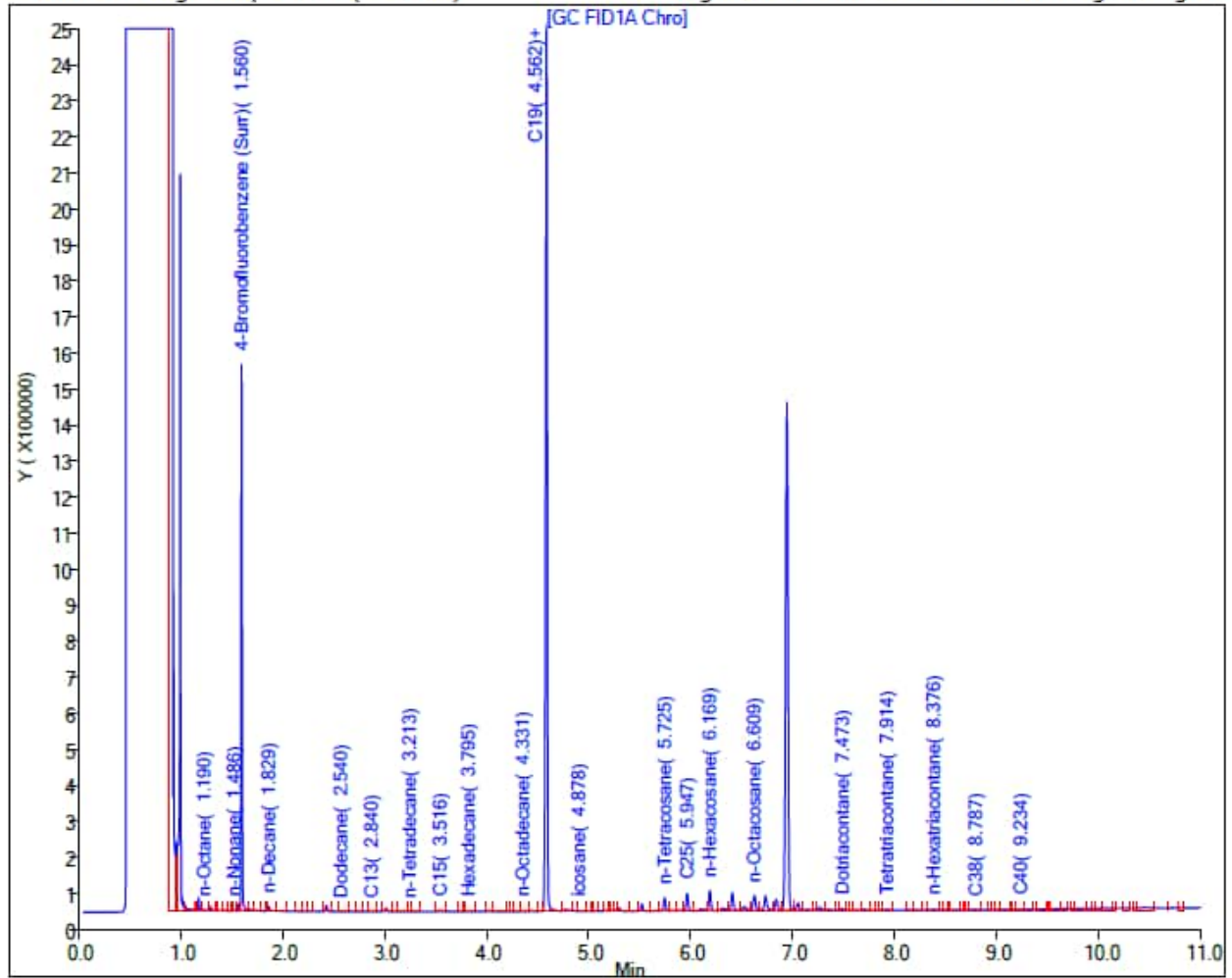
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: 8015B-D DRO ICAL CA and HW ranges

Column: ZB-1 High Temp. Infero (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Method Blank Associated with SDG 580-124109-1

Sample ID: RHMW16-WGN01LF-2302WK4, RHMW05-WGN01B-2302WK4, RHMW01R-WGN01B-2302WK4, RHMW02-WGN01B-2302WK4, RHMW12A-WGN01LF-2302WK4,

Sample Date: 11/19/23, 11/20/23

Lab: Eurofins Seattle

Report Date: 08-Mar-2023 08:41:05

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A062.D

Injection Date: 07-Mar-2023 19:17:02

Instrument ID: TAC129

Lims ID: MB 580-419689/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

29

Injection Vol: 1.0 uL

Dil. Factor:

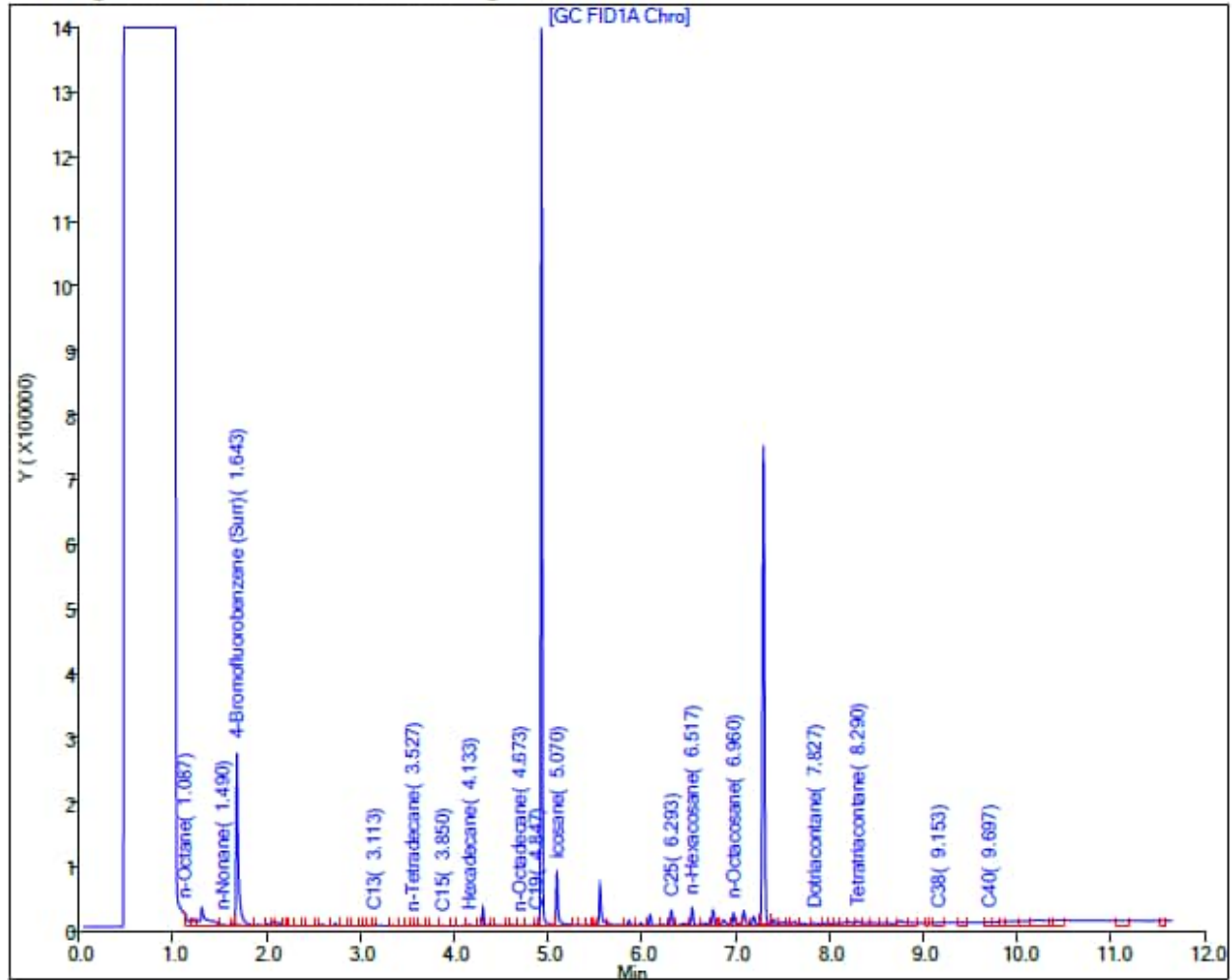
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-124114-1

Sample ID: RHMW09-WGN01B-2302WK4, RHMW19-WGN01B-2302WK4, RHMW03-WGN01B-2302WK4

Sample Date: 2/27/2023, 2/28/2023

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:

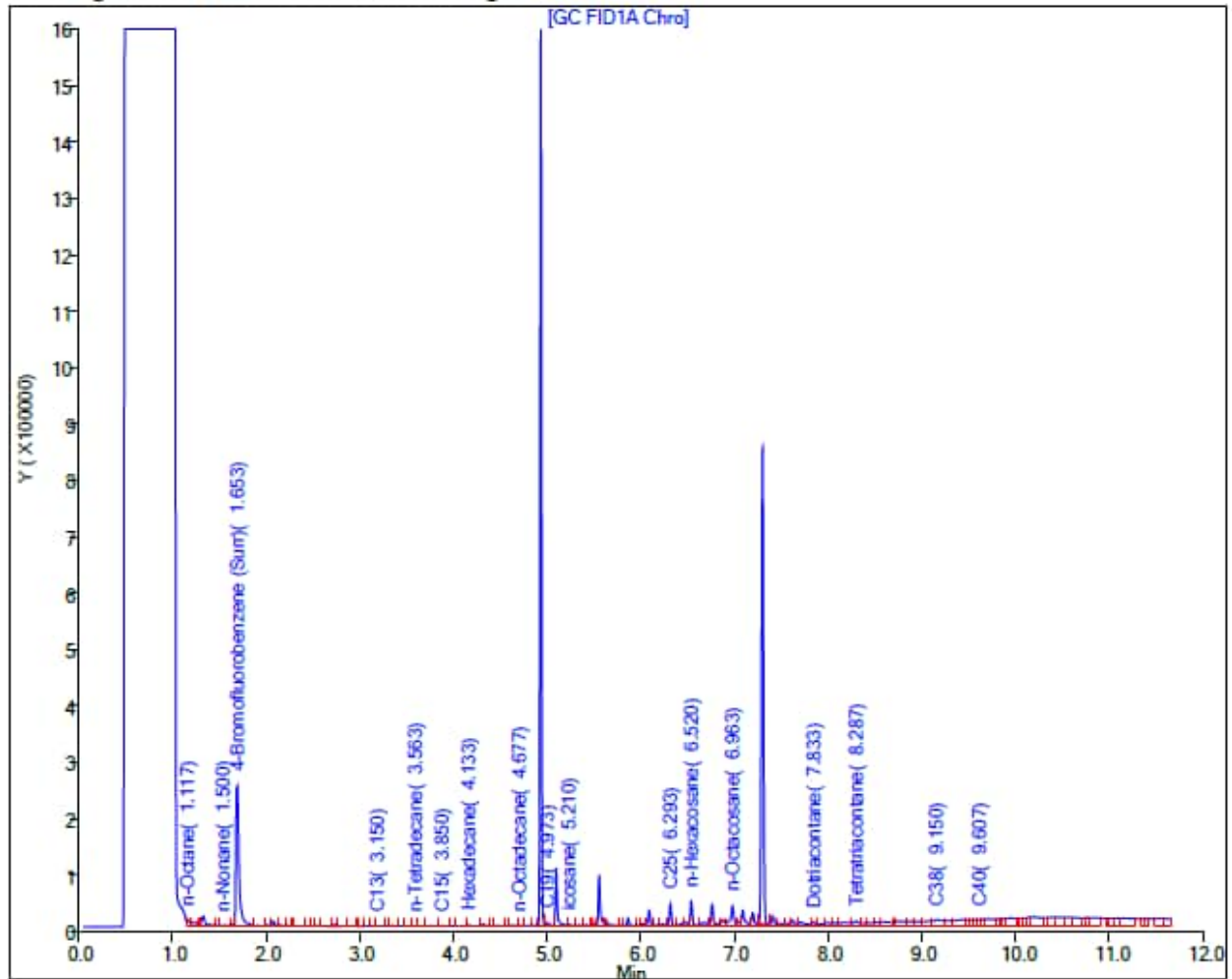
1.0000

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 580-124238-1

Sample ID: OWDFMW04A-WGFD01LF-2302WK4, OWDFMW05A-WGN01LF-2302WK4, RHMW14-03-WGN01G-2302WK4, OWDFMW04A-WGN01LF-2302WK4, RHMW15-05-WGN01G-2302WK4

Sample Date: 3/1/2023, 3/2/2023

Lab: Eurofins Seattle

Report Date: 08-Mar-2023 08:41:05

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230307-87378.b\030723A062.D

Injection Date: 07-Mar-2023 19:17:02

Instrument ID: TAC129

Lims ID: MB 580-419689/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

29

Injection Vol: 1.0 uL

Dil. Factor:

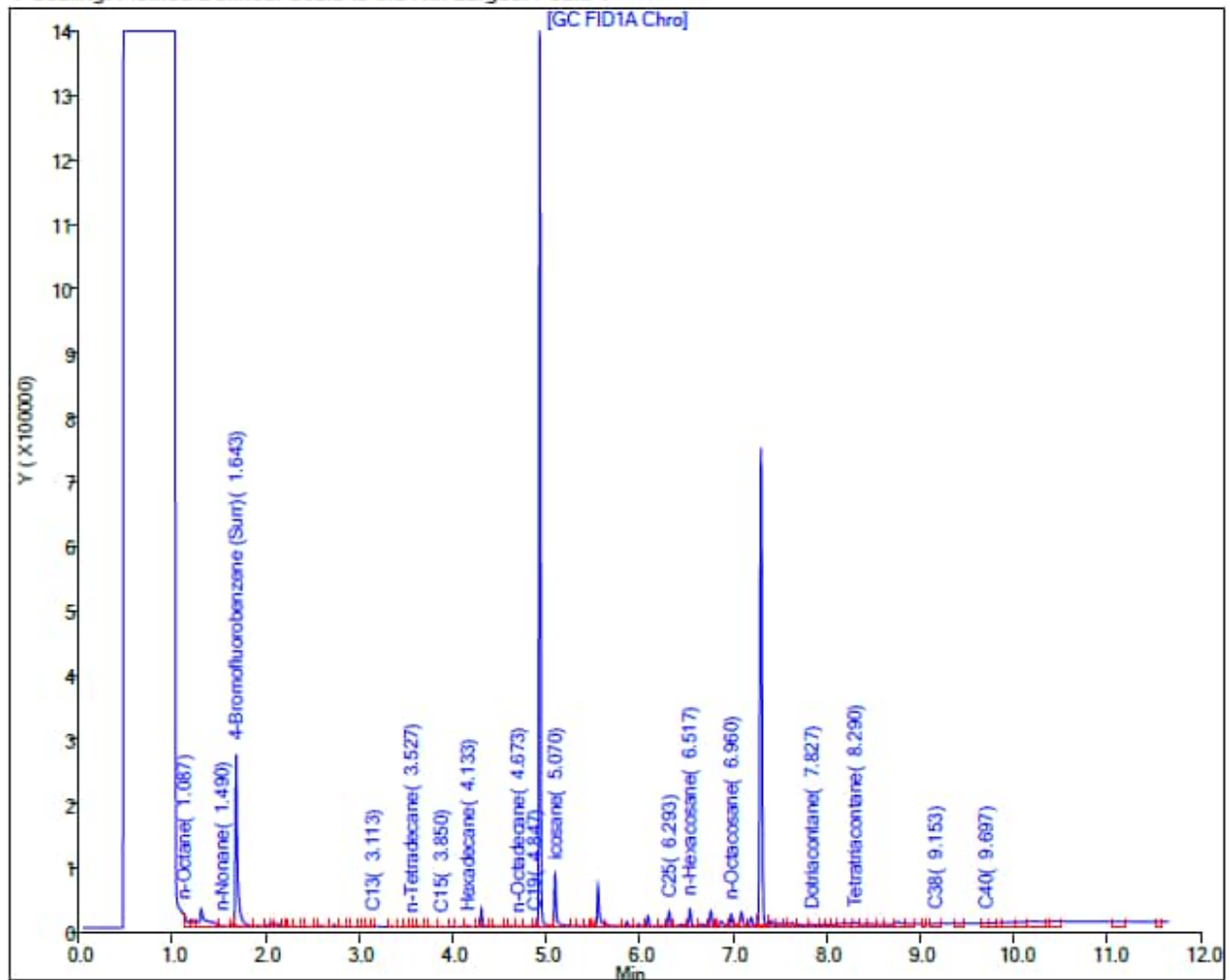
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-124323-1

Sample ID: RHMW09-WGN01B-2303WK1, RHMW19-WGN01B-2303WK1

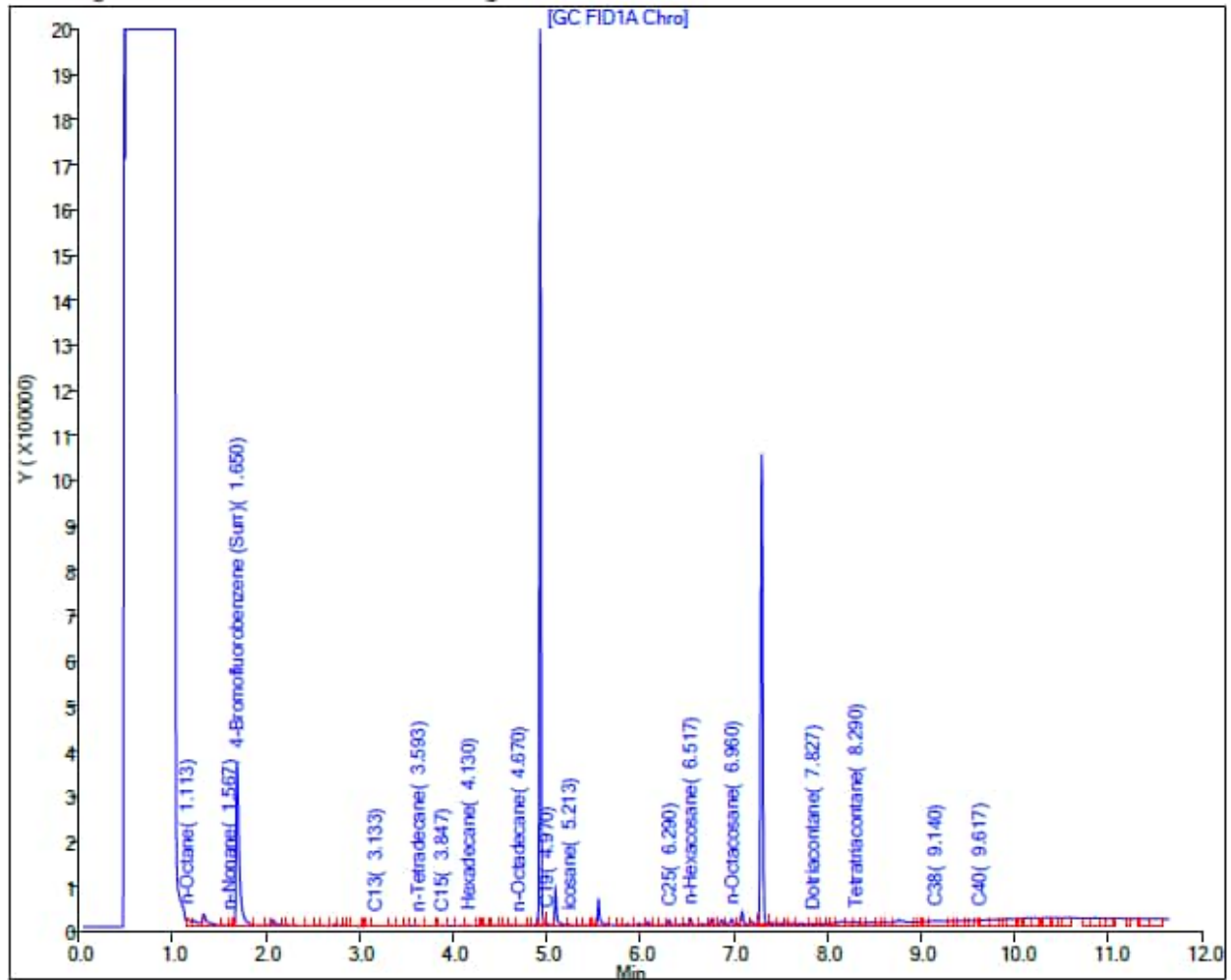
Sample Date: 3/6/2023

Lab: Eurofins Seattle

Report Date: 15-Mar-2023 08:13:26

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle
Data File: \\chromfs\Seattle\ChromData\TAC129\20230314-87488.b\031423B042.D
Injection Date: 14-Mar-2023 18:19:18 Instrument ID: TAC129
Lims ID: MB 580-420202/1-A
Client ID:
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



Method Blank Associated with SDG 580-124423-1

Sample ID: RHMW12A-WGN01LF-2303WK1, RHMW16-WGN01LF-2303WK1, RHMW13-05-WGN01G-2303WK1, OWDFMW08A-WGN01LF-2303WK1, OWDFMW08A-WGFD01LF-2303WK1, OWDFMW07A-WGN01LF-2303WK1

Sample Date: 3/6/2023, 3/7/2023

Lab: Eurofins Seattle

Report Date: 13-Mar-2023 11:31:54

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87455.b\031023B010.D

Injection Date: 10-Mar-2023 20:29:53

Instrument ID: TAC129

Lims ID: MB 580-420082/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

5

Injection Vol: 1.0 uL

Dil. Factor:

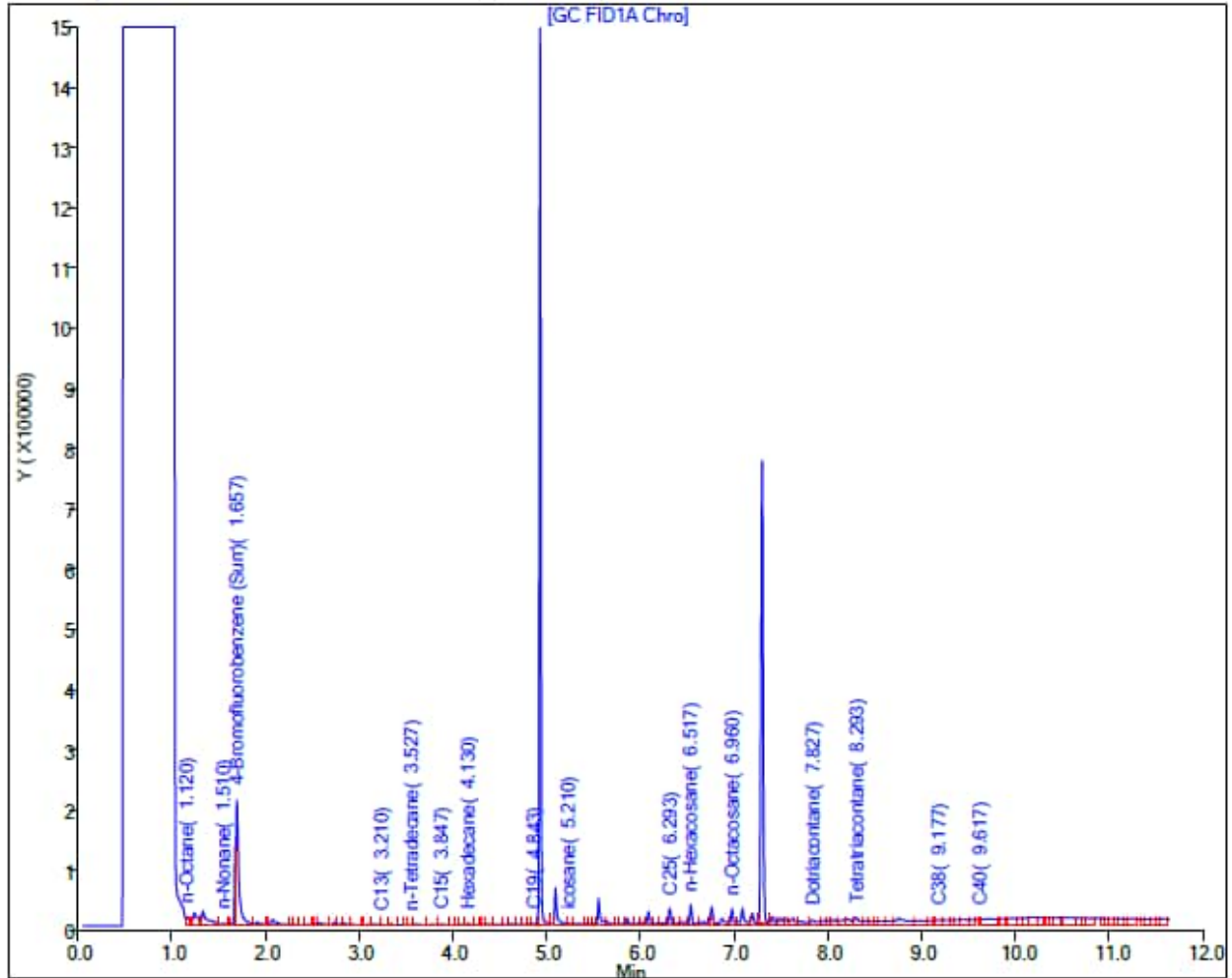
1.0000

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 580-124459-1

Sample ID: RHMW02-WGN01B-2303WK1, RHMW01R-WGN01B-2303WK1, RHMW05-WGN01B-2303WK1, RHMW03-WGN01B-2303WK1

Sample Date: 3/7/2023

Lab: Eurofins Seattle

Report Date: 13-Mar-2023 11:31:54

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230310-87455.b\031023B010.D

Injection Date: 10-Mar-2023 20:29:53

Instrument ID: TAC129

Lims ID: MB 580-420082/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

5

Injection Vol: 1.0 uL

Dil. Factor:

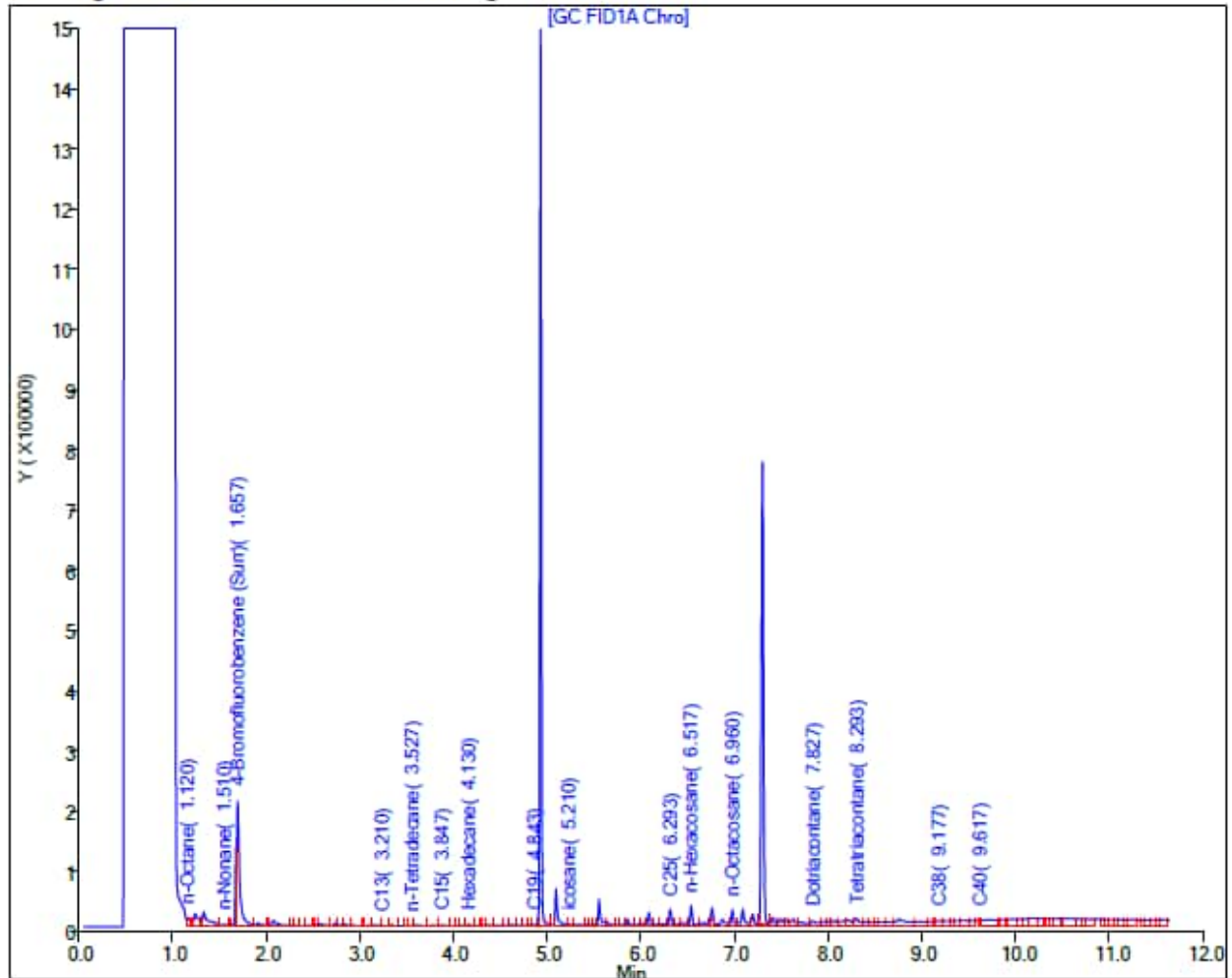
1.0000

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 580-124556-1

Sample ID: RHMW15-05-WGN01G-2303WK1, RHMW04-WGN01B-2303WK1, RHMW04-WGFD01B-2303WK1, OWDFMW01-WGN01LF-2303WK1, RHMW17-WGN01B-2303WK1

Sample Date: 3/9/2023

Lab: Eurofins Seattle

Report Date: 15-Mar-2023 08:13:26

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230314-87488.b\031423B042.D

Injection Date: 14-Mar-2023 18:19:18

Instrument ID: TAC129

Lims ID: MB 580-420202/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

21

Injection Vol: 1.0 uL

Dil. Factor:

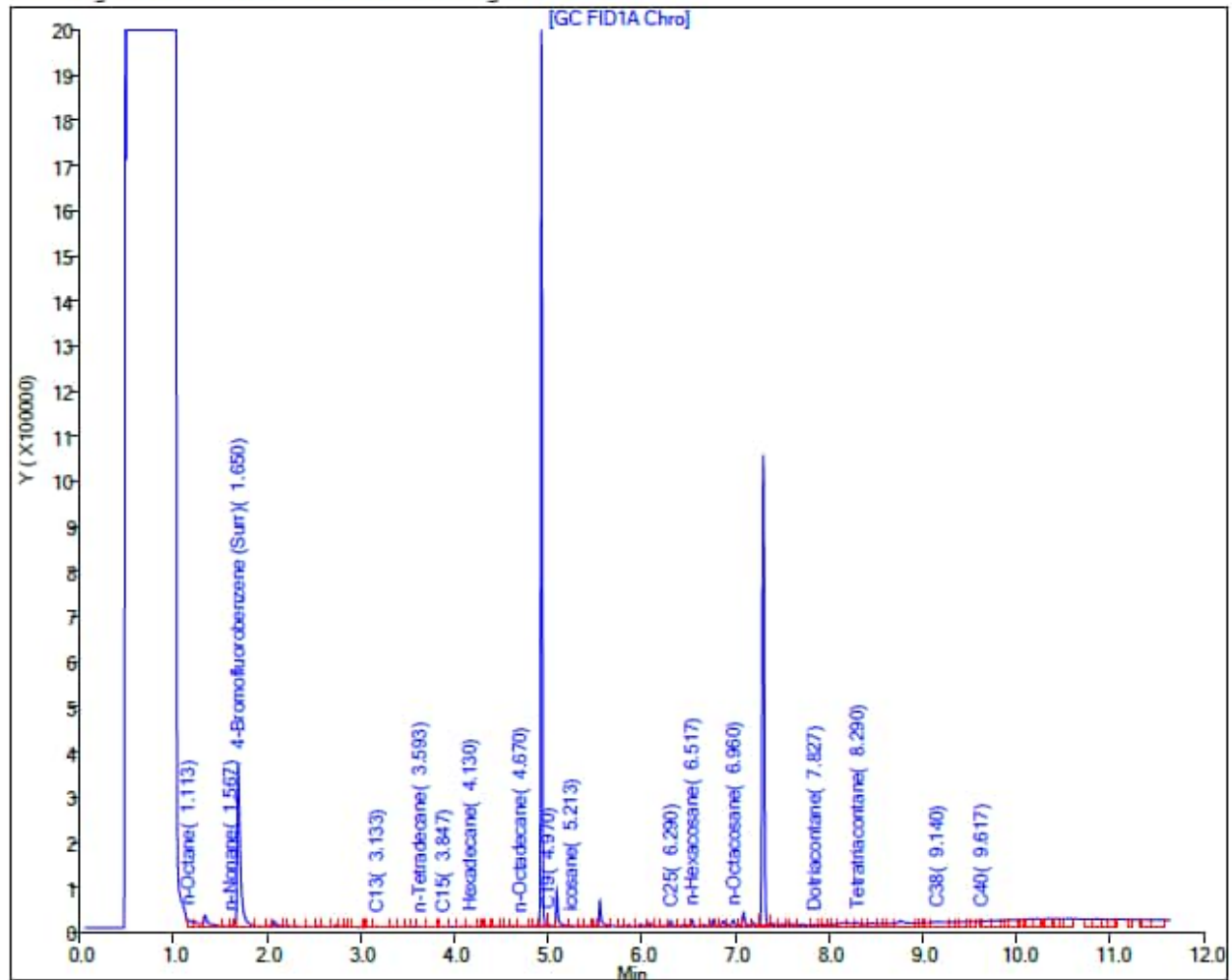
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-124557-1

Sample ID: RHMW2254-01-WGN01LF-2303WK1, RHMW14-03-WGN01G-2303WK1, RHMW2254-01-WGN01B-2303WK1, RHMW11-05-WGN01G-2303WK1, ADIT3-SUMP-WGN01B-2303WK1

Sample Date: 3/8/2023

Lab: Eurofins Seattle

Report Date: 21-Mar-2023 14:53:45

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230321-87596.b\032123A005.D

Injection Date: 21-Mar-2023 10:41:31

Instrument ID: TAC020

Lims ID: MB 580-420836/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

5

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

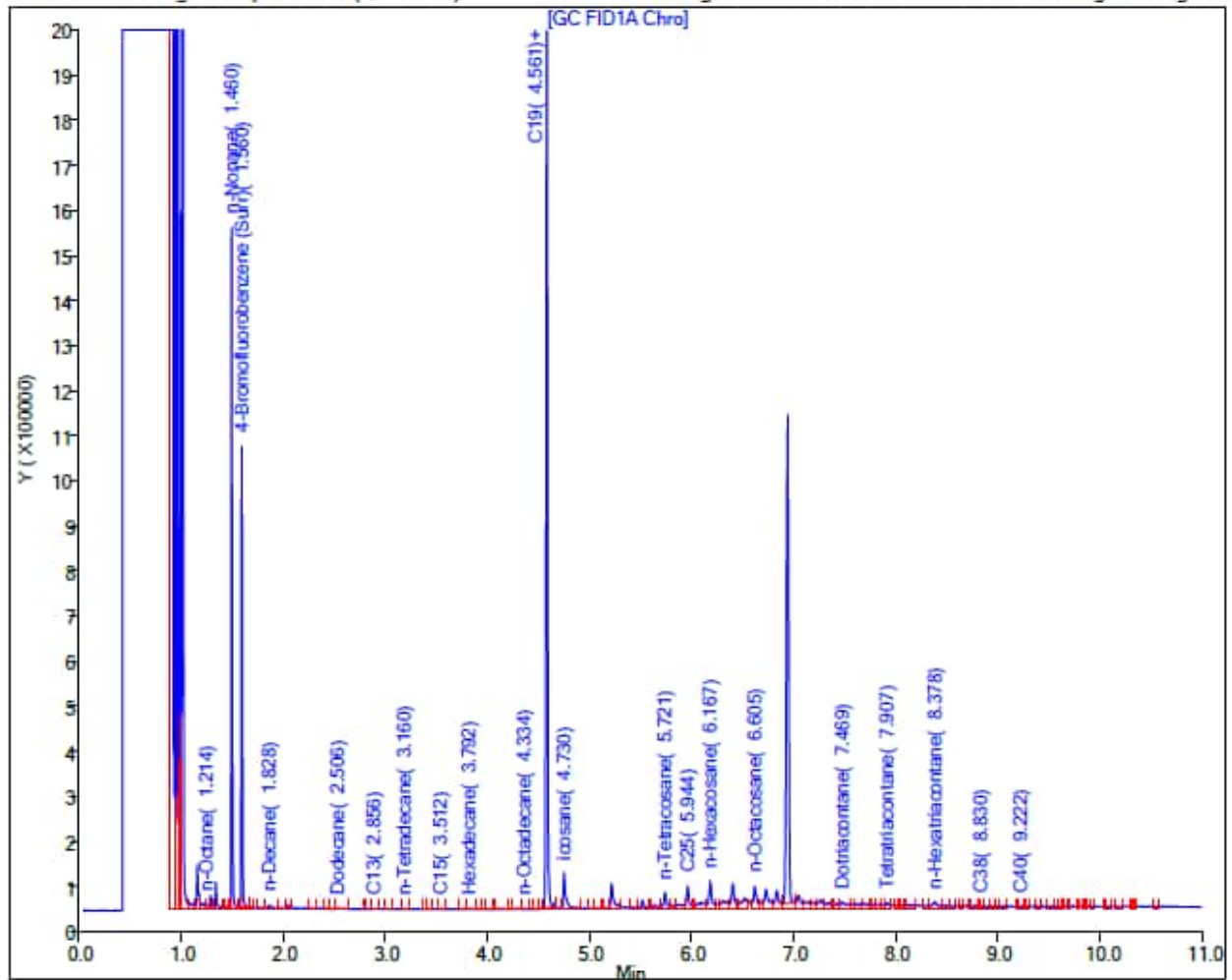
Method: TPH-Front_TAC020

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 580-124581-1

Sample ID: RHMW06-WGN01B-2303WK1, RHMW08-WGN01B-2303WK1

Sample Date: 3/9/2023

Lab: Eurofins Seattle

Report Date: 21-Mar-2023 14:53:45

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230321-87596.b\032123A005.D

Injection Date: 21-Mar-2023 10:41:31

Instrument ID: TAC020

Lims ID: MB 580-420836/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 5

Injection Vol: 1.0 ul

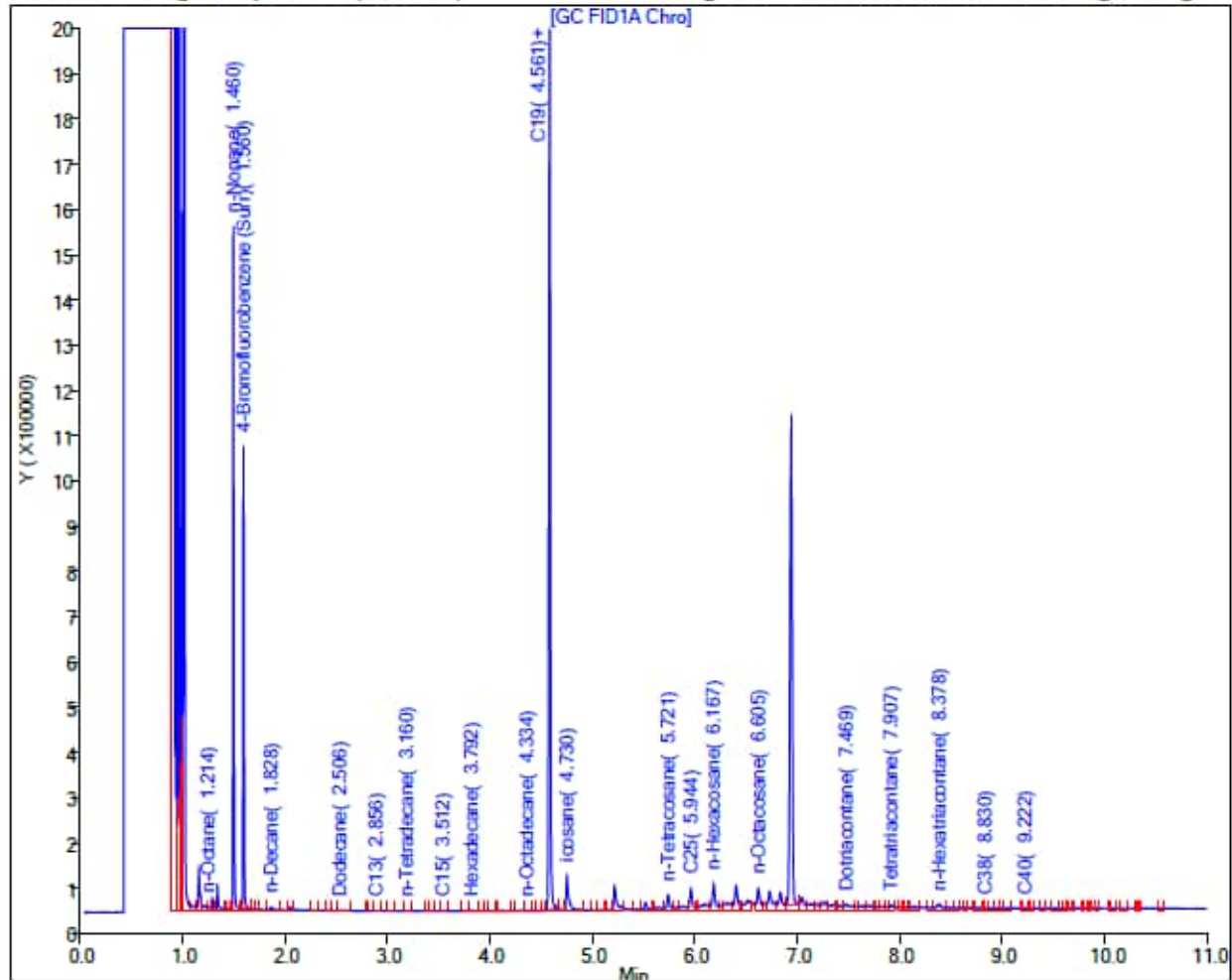
Dil. Factor: 1.0000

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 580-124648-1

Sample ID: RHMW09-WGN01B-2303WK2
RHMW19-WGN01B-2303WK2

Sample Date: 3/13/2023

Lab: Eurofins Seattle

Report Date: 21-Mar-2023 14:53:45

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230321-87596.b\032123A005.D

Injection Date: 21-Mar-2023 10:41:31

Instrument ID: TAC020

Lims ID: MB 580-420836/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 5

Injection Vol: 1.0 ul

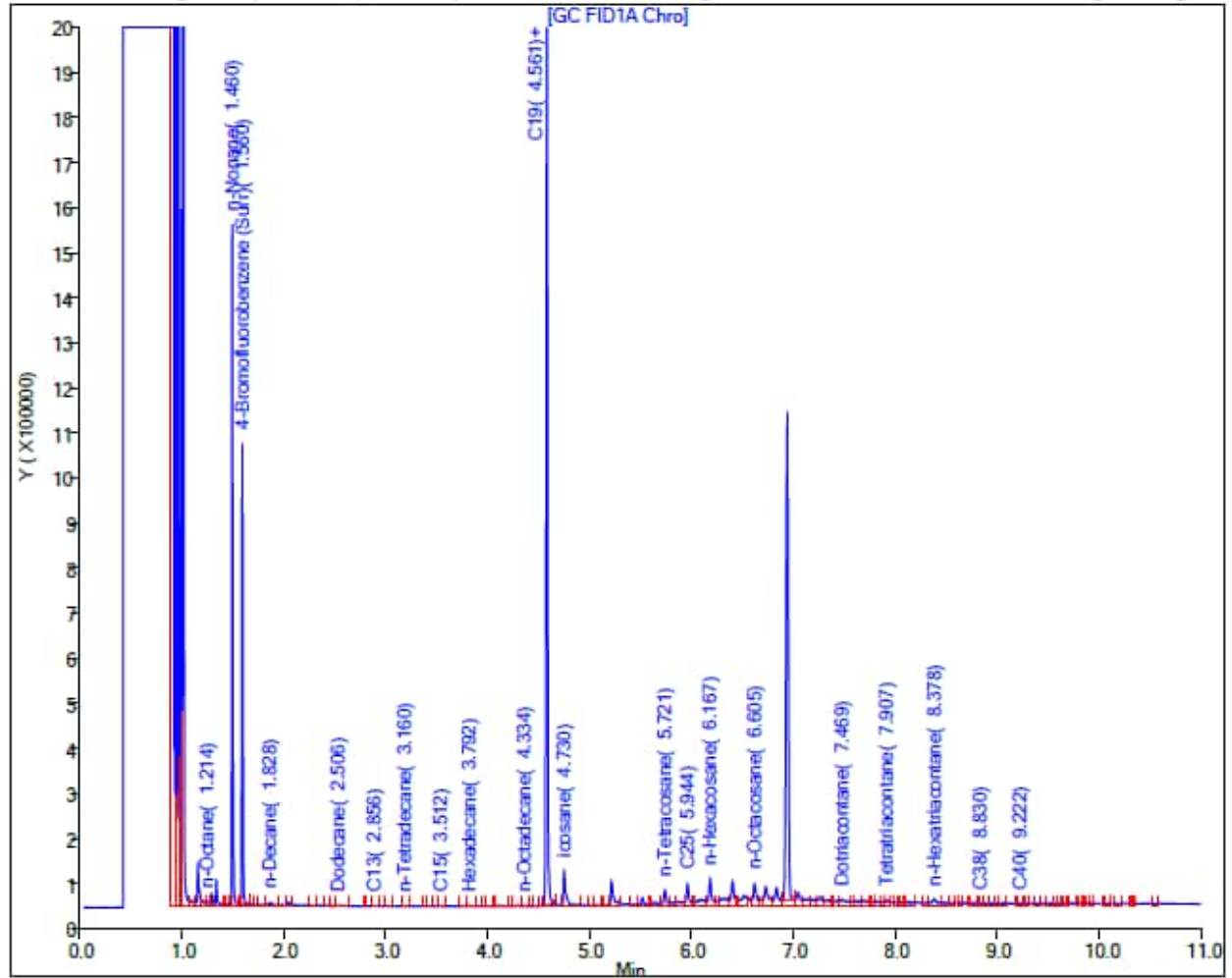
Dil. Factor: 1.0000

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 580-124744-1

Sample ID: RHMW12A-WGN01LF-2303WK2, RHMW16-WGN01LF-2303WK2, RHMW13-05-WGN01G-2303WK2, OWDFMW08A-WGFD01LF-2303WK2, OWDFMW07A-WGN01LF-2303WK2, OWDFMW08A-WGN01LF-2303WK2

Sample Date: 3/13/2023, 3/14/2023

Lab: Eurofins Seattle

Report Date: 20-Mar-2023 15:48:04

Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230320-87575.b\032023B005.D

Injection Date: 20-Mar-2023 12:48:55

Instrument ID: TAC020

Lims ID: MB 580-420688/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 5

Injection Vol: 1.0 ul

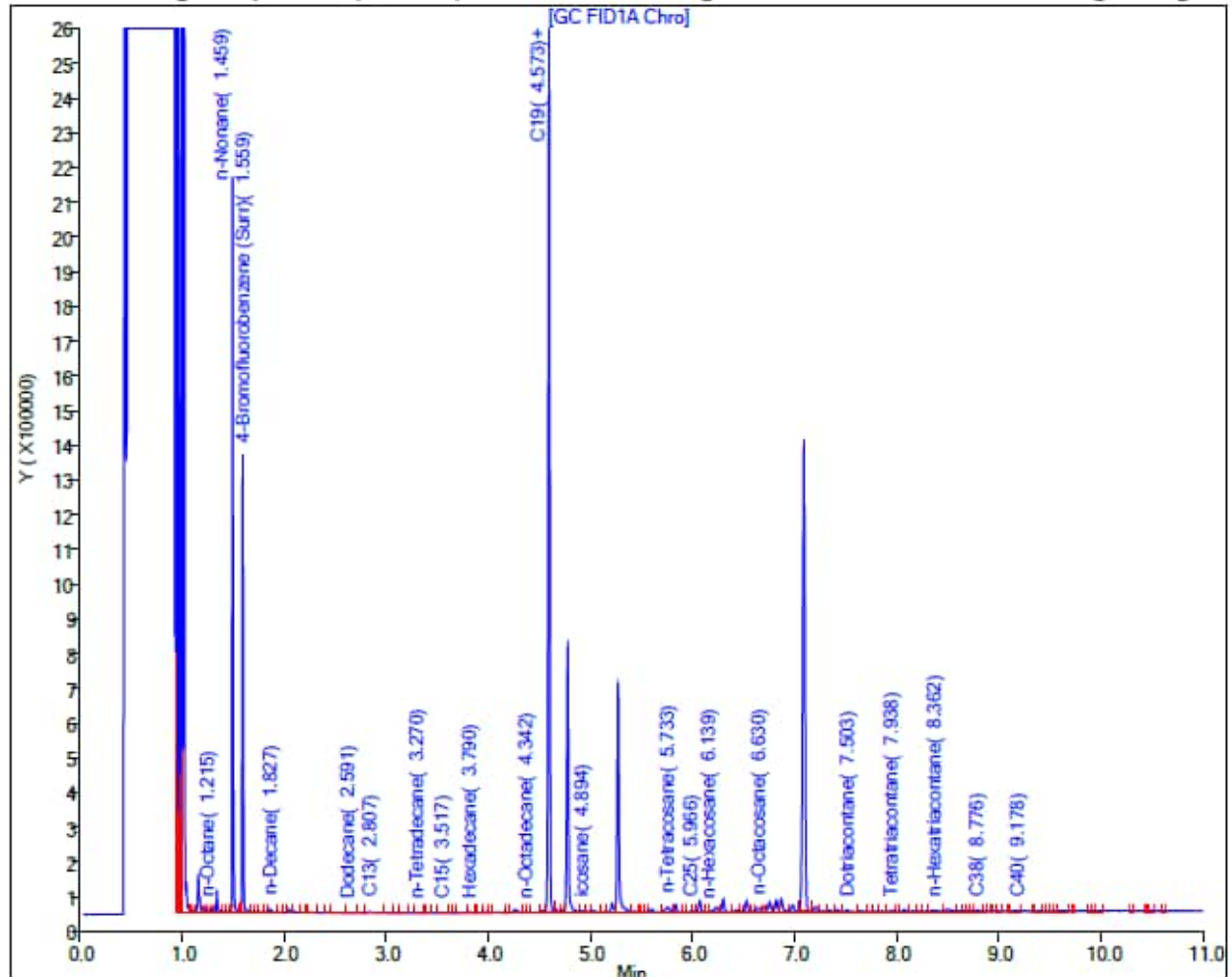
Dil. Factor: 1.0000

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 580-124868-1

Sample ID: OWDFMW04A-WGN01LF-2303WK2, RHMW04-WGN01B-2303WK2, RHMW04-WGFD01B-2303WK2, OWDFMW04A-WGFD01LF-2303WK2, OWDFMW05A-WGN01LF-2303WK2, RHMW08-WGN01B-2303WK2, RHMW06-WGN01B-2303WK2

Sample Date: 3/15/2023

Lab: Eurofins Seattle

Report Date: 28-Mar-2023 08:57:45

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A005.D

Injection Date: 27-Mar-2023 12:59:56

Instrument ID: TAC020

Lims ID: MB 580-421066/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 5

Injection Vol: 1.0 ul

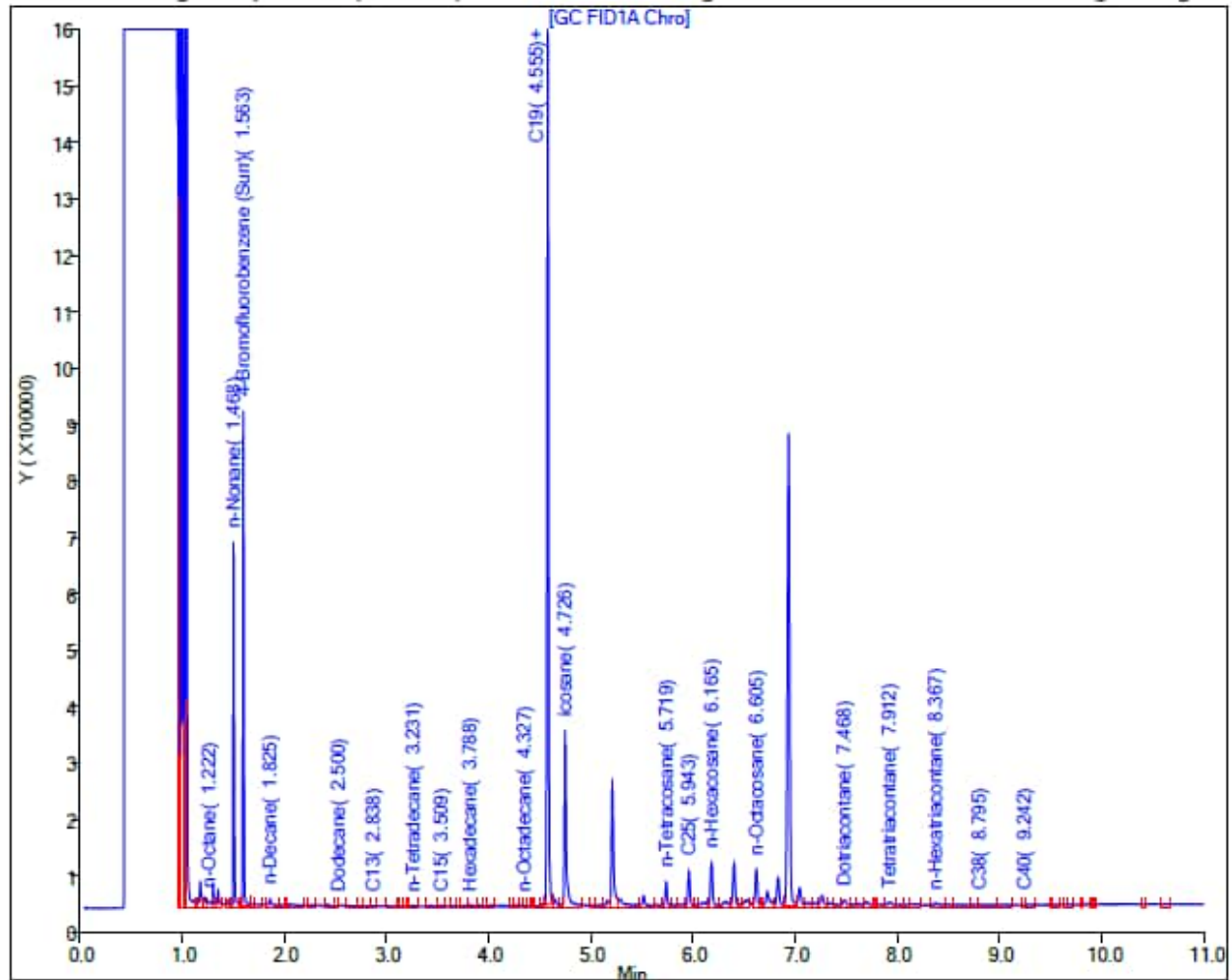
Dil. Factor: 1.0000

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 580-124907-1

Sample ID: RHMW17-WGN01B-2303WK2

Sample Date: 3/16/2023

Lab: Eurofins Seattle

Report Date: 30-Mar-2023 10:58:46

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230329-87710.b\032923A036.D

Injection Date: 29-Mar-2023 21:02:53

Instrument ID: TAC020

Lims ID: MB 580-421578/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 35

Injection Vol: 1.0 ul

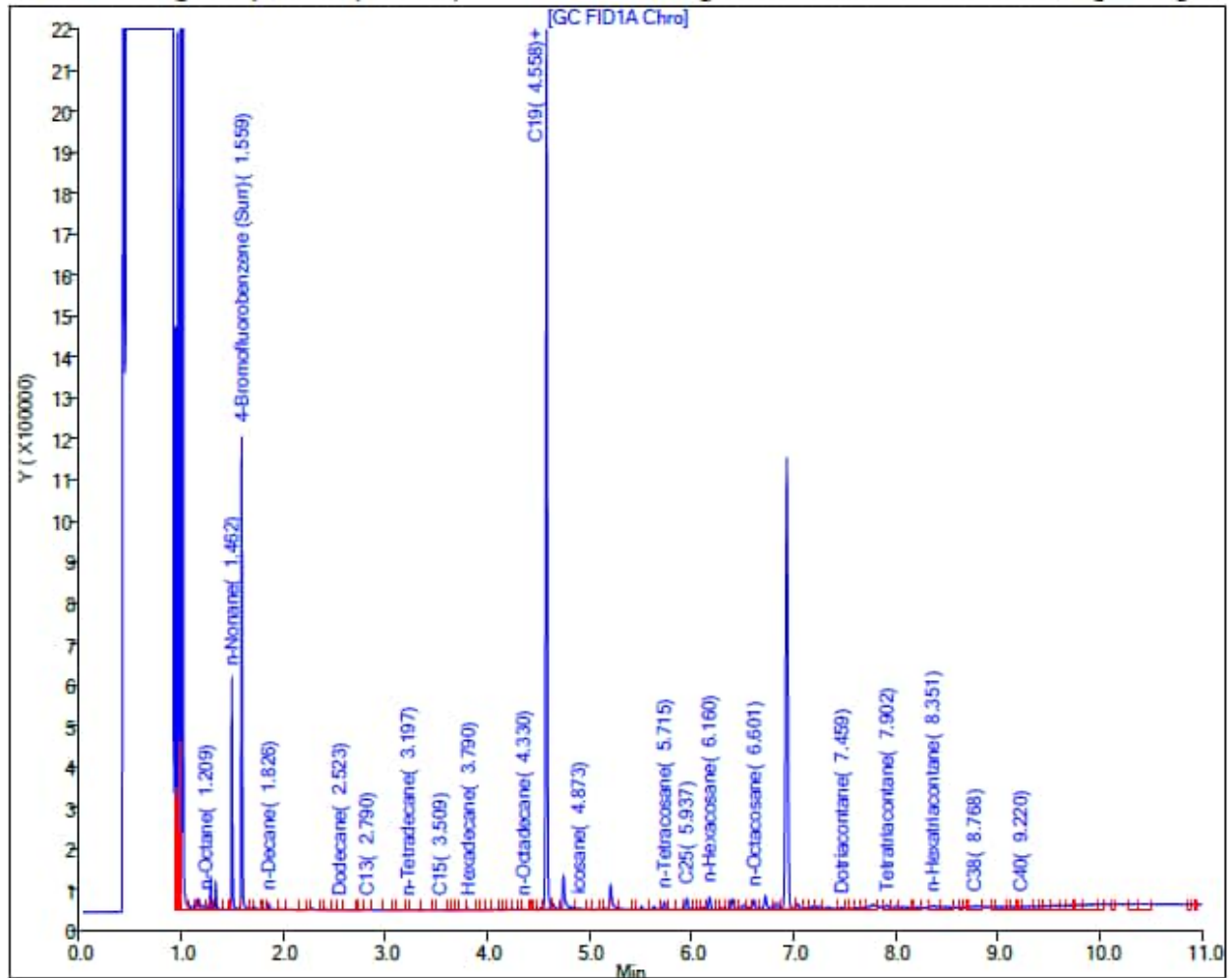
Dil. Factor: 1.0000

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



Method Blank Associated with SDG 580-124962-1

Sample ID: RHMW09-WGN01B-2303WK3, RHMW19-WGN01B-2303WK3, RHMW16-WGN01LF-2303WK3, RHMW12A-WGN01LF-2303WK3

Sample Date: 3/20/2023

Lab: Eurofins Seattle

Report Date: 28-Mar-2023 09:00:20

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A032.D

Injection Date: 27-Mar-2023 22:04:44

Instrument ID: TAC020

Lims ID: MB 580-421298/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

32

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

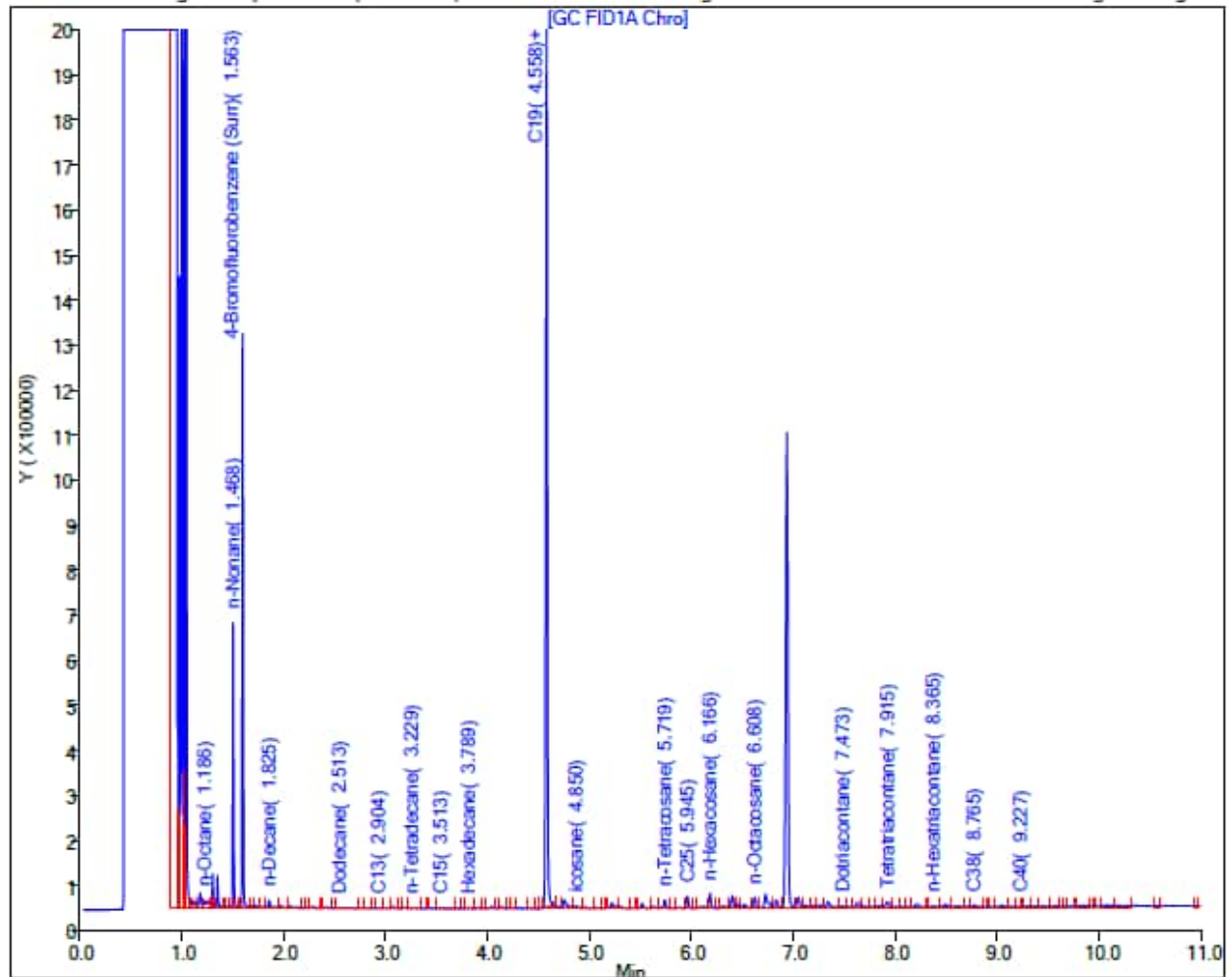
Method: TPH-Front_TAC020

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



Method Blank Associated with SDG 580-125015-1

Sample ID: RHMW14-03-WGN01G-2303WK3

Sample Date: 3/21/2023

Lab: Eurofins Seattle

Report Date: 28-Mar-2023 09:00:20

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230327-87680.b\032723A032.D

Injection Date: 27-Mar-2023 22:04:44

Instrument ID: TAC020

Lims ID: MB 580-421298/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 32

Injection Vol: 1.0 ul

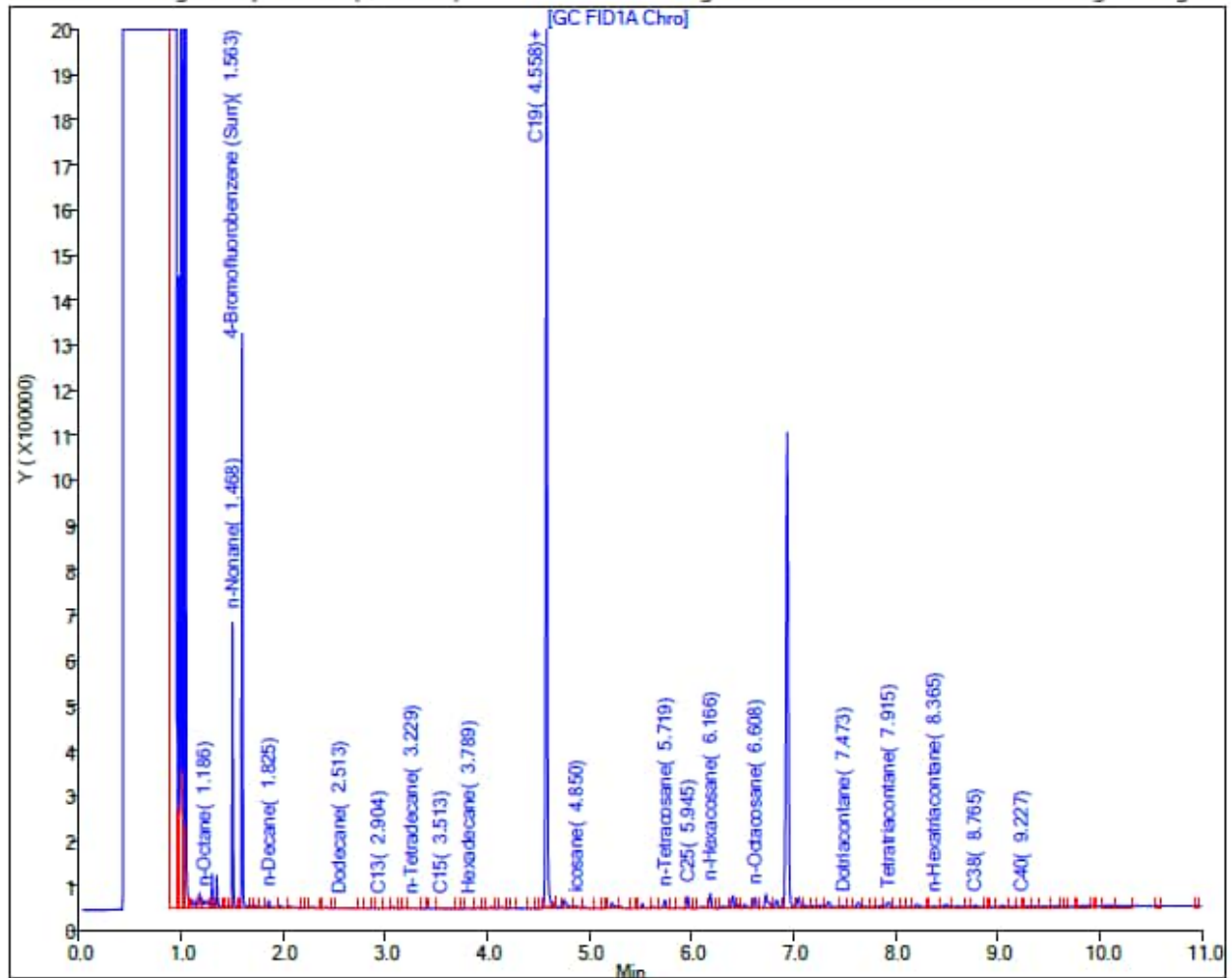
Dil. Factor: 1.0000

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



Method Blank Associated with SDG 580-125125-1

Sample ID: RHMW02-WGN01B-2303WK3, RHMW03-WGN01B-2303WK3, RHMW01R-WGN01B-2303WK3, RHMW11-05-WGN01G-2303WK3, RHMW05-WGN01B-2303WK3

Sample Date: 3/21/2023

Lab: Eurofins Seattle

Report Date: 06-Apr-2023 08:54:49

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230405-87801.b\040523A032.D

Injection Date: 05-Apr-2023 21:00:02

Instrument ID: TAC020

Lims ID: MB 580-422228/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

31

Injection Vol: 1.0 ul

Dil. Factor:

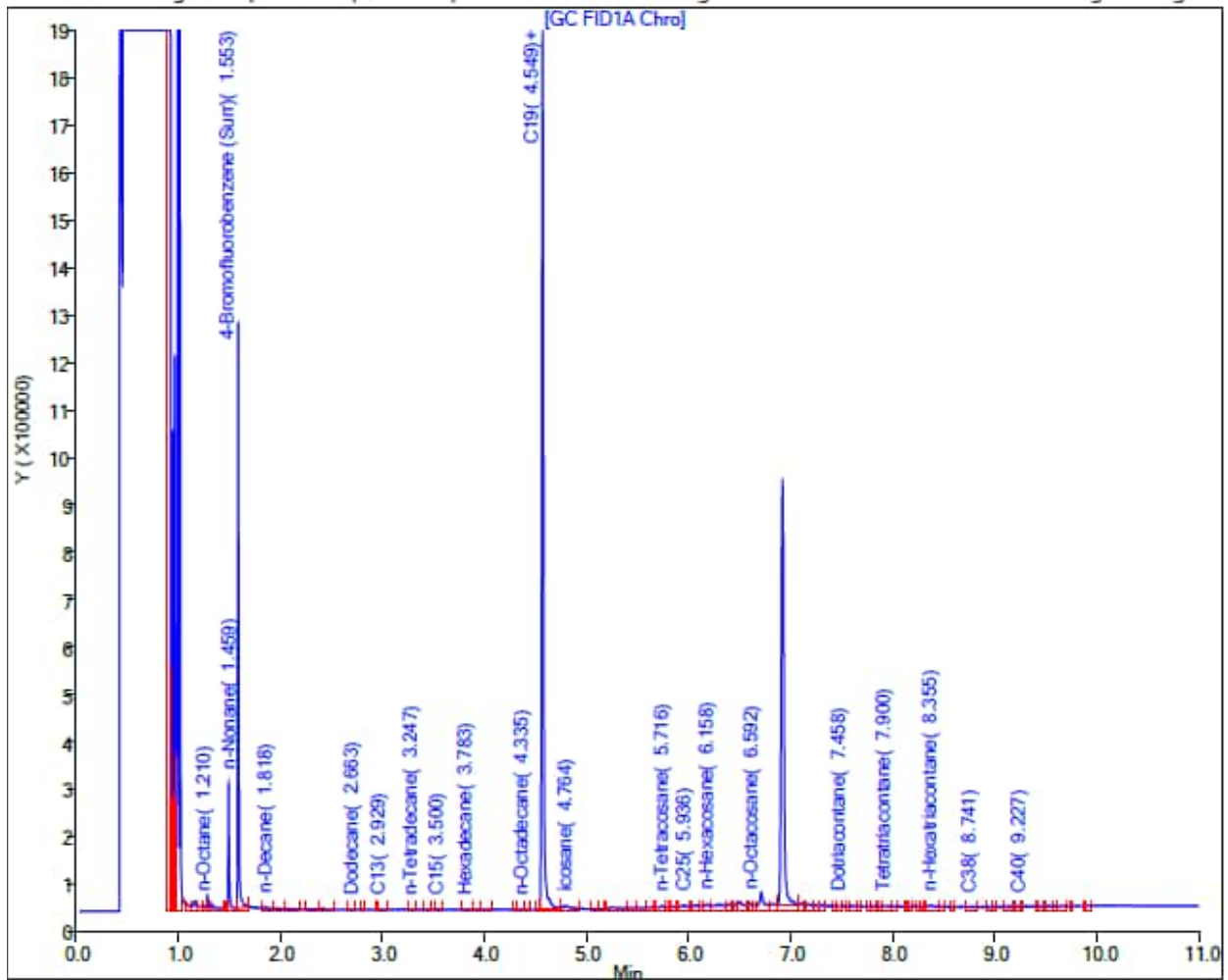
1.0000

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 580-125128-1

Sample ID: RHMW2254-01-WGN01LF-2303WK3, OWDFMW04A-WGN01LF-2303WK3, OWDFMW04A-WGFD01LF-2303WK3, OWDFMW05A-WGN01LF-2303WK3, RHMW2254-01-WGN01B-2303WK3, ADIT3-SUMP-WGN01B-2303WK3

Sample Date: 3/22/2023

Lab: Eurofins Seattle

Report Date: 31-Mar-2023 09:23:06

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230330-87724.b\033023A026.D

Injection Date: 30-Mar-2023 19:12:12

Instrument ID: TAC020

Lims ID: MB 580-421720/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 **Worklist Smp#:** 26

Injection Vol: 1.0 ul

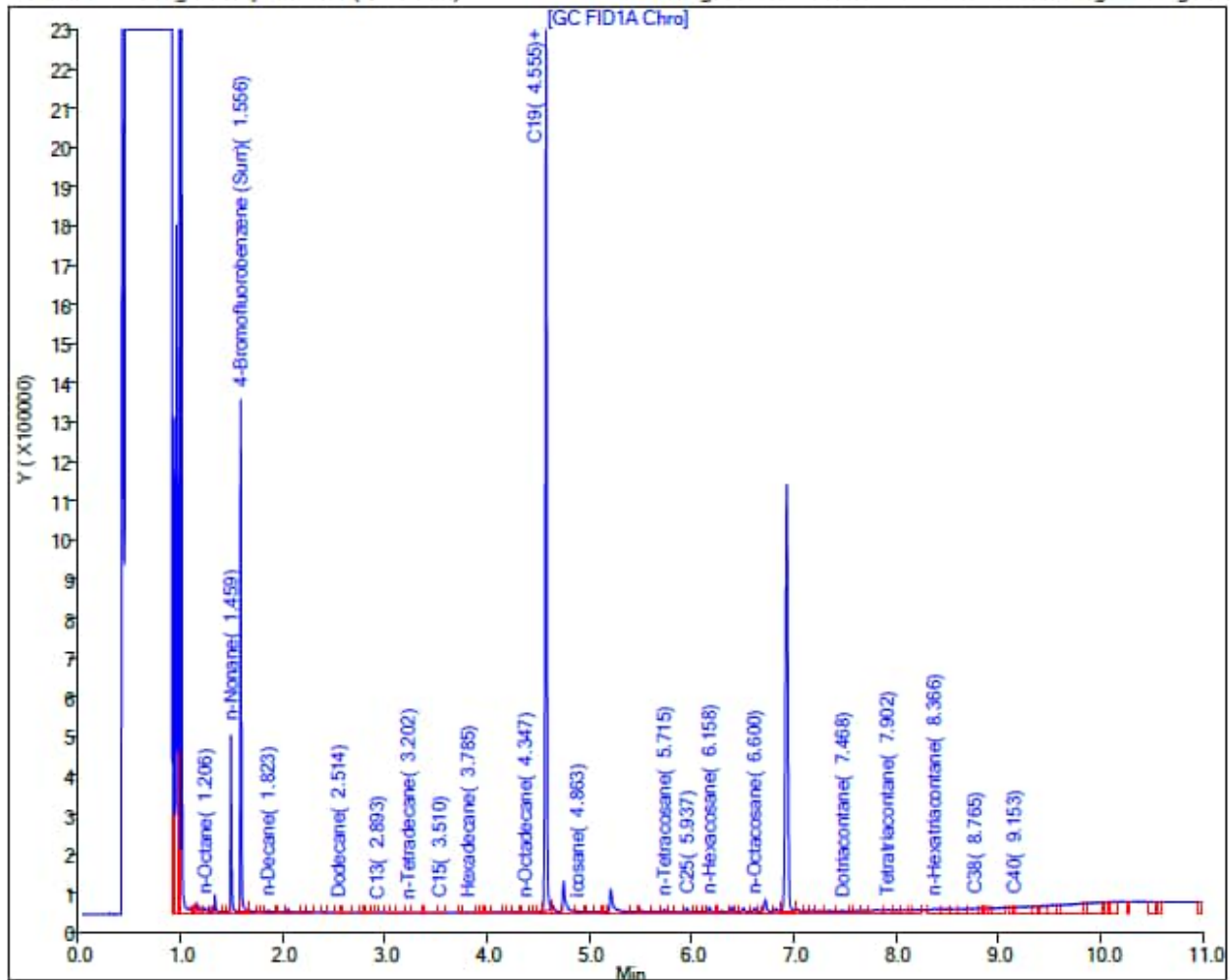
Dil. Factor: 1.0000

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



Method Blank Associated with SDG 580-125133-1

Sample ID: RHMW13-05-WGN01G-2303WK3, RHMW15-05-WGN01G-2303WK3, RHMW17-WGN01B-2303WK3, OWDFMW01-WGN01LF-2303WK3

Sample Date: 3/22/2023, 3/23/2023

Lab: Eurofins Seattle

Report Date: 06-Apr-2023 08:54:49

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230405-87801.b\040523A032.D

Injection Date: 05-Apr-2023 21:00:02

Instrument ID: TAC020

Lims ID: MB 580-422228/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

31

Injection Vol: 1.0 ul

Dil. Factor:

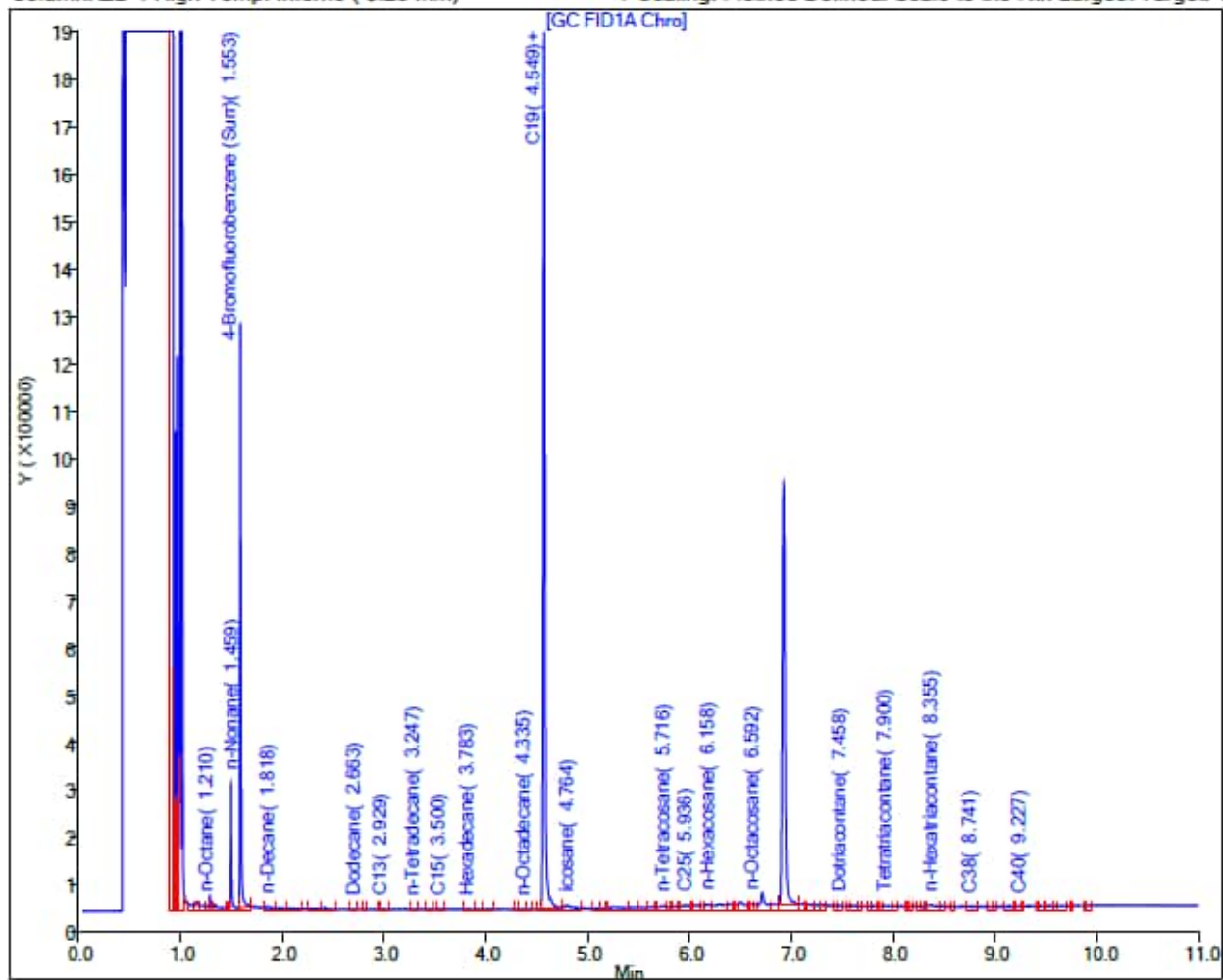
1.0000

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 580-125215-1

Sample ID: RHMW11-05-WGN01G-2303WK4

Sample Date: 3/27/2023

Lab: Eurofins Seattle

Report Date: 07-Apr-2023 09:13:50

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230406-87828.b\040623A023.D

Injection Date: 06-Apr-2023 17:43:46

Instrument ID: TAC020

Lims ID: MB 580-422360/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul

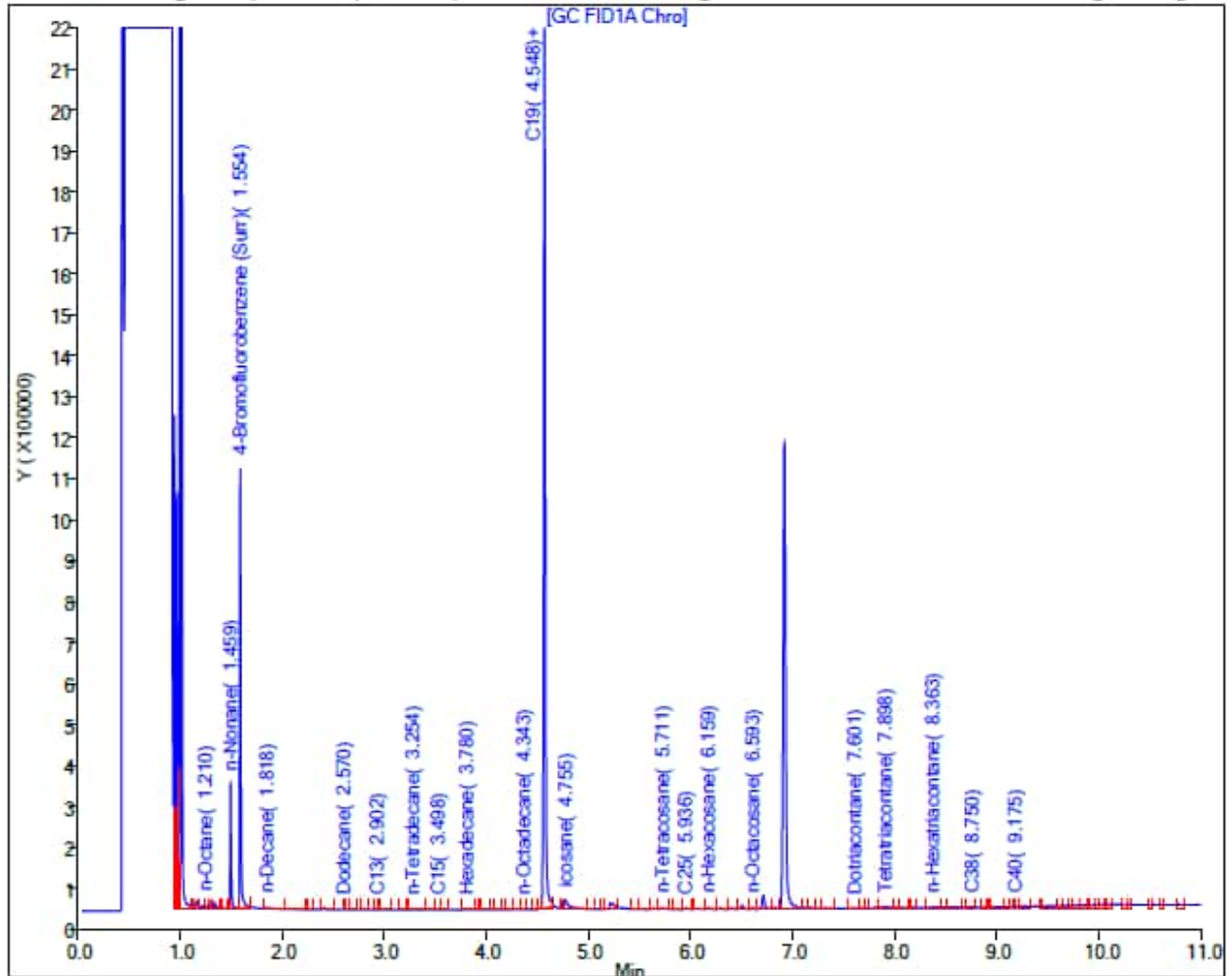
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Method: TPH-Front_TAC020

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 580-125216-1

Sample ID: RHMW06-WGN01B-2303WK3

Sample Date: 3/24/2023

Lab: Eurofins Seattle

Report Date: 06-Apr-2023 08:54:49

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230405-87801.b\040523A032.D

Injection Date: 05-Apr-2023 21:00:02

Instrument ID: TAC020

Lims ID: MB 580-422228/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 31

Injection Vol: 1.0 ul

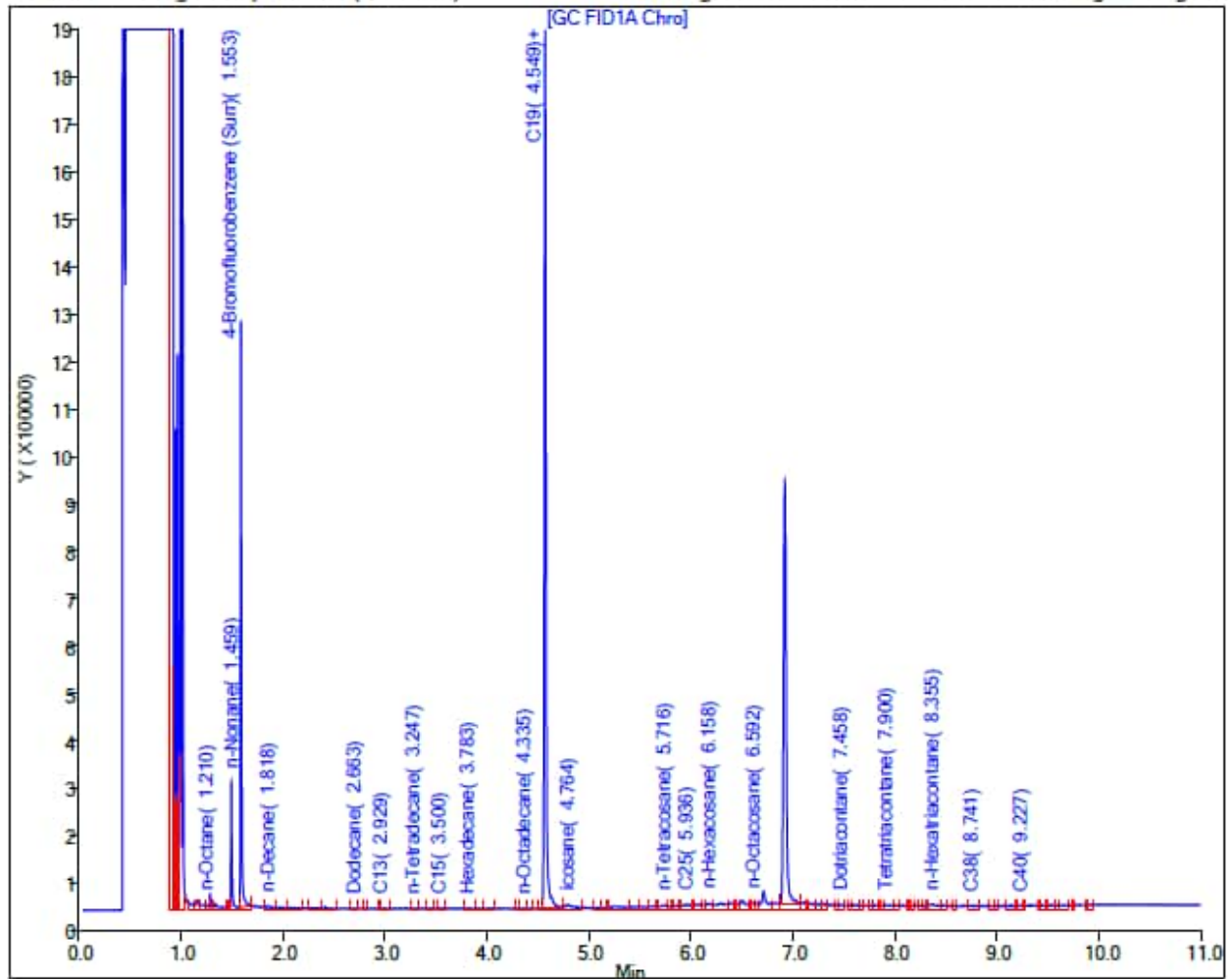
Dil. Factor: 1.0000

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 580-125271-1

Sample ID: RHMW13-05-WGN01G-2303WK4, OWDFMW07A-WGN01LF-2303WK4, OWDFMW08A-WGN01LF-2303WK4, OWDFMW08A-WGFD01LF-2303WK4

Sample Date: 3/28/2023

Lab: Eurofins Seattle

Report Date: 10-Apr-2023 10:24:30

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230407-87849.b\040723A009.D

Injection Date: 07-Apr-2023 14:13:53

Instrument ID: TAC020

Lims ID: MB 580-422471/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 9

Injection Vol: 1.0 ul

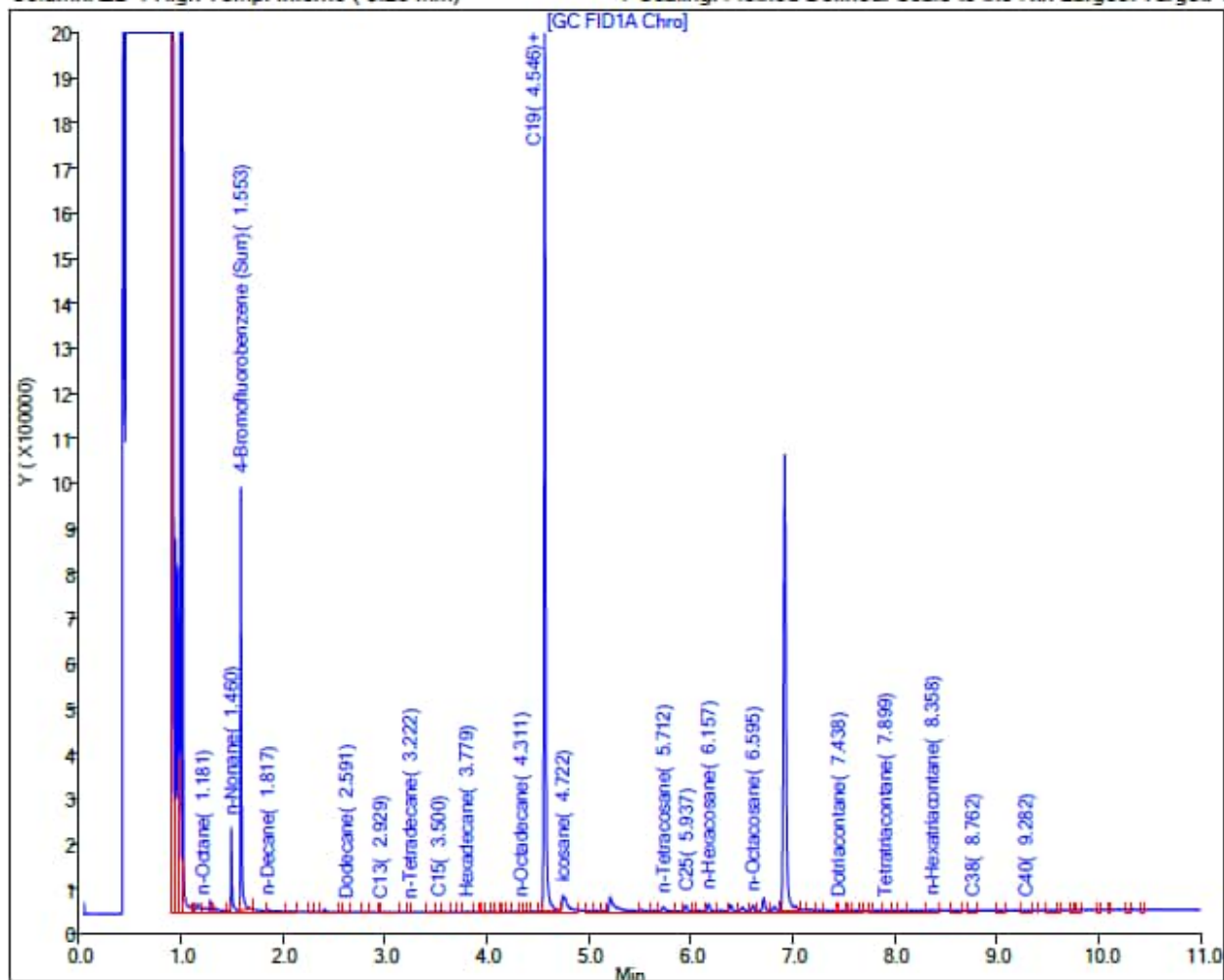
Dil. Factor: 1.0000

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 580-125353-1

Sample ID: RHMW2254-01-WGN01B-2303WK4, RHMW2254-01-WGN01LF-2303WK4, OWDFMW05A-WGN01LF-2303WK4, OWDFMW04A-WGN01LF-2303WK4, OWDFMW04A-WGFD01LF-2303WK4, ADIT3-SUMP-WGN01B-2303WK4

Sample Date: 3/29/2023

Lab: Eurofins Seattle

Report Date: 05-Apr-2023 11:49:54

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A026.D

Injection Date: 04-Apr-2023 18:03:58

Instrument ID: TAC020

Lims ID: MB 580-422130/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 26

Injection Vol: 1.0 ul

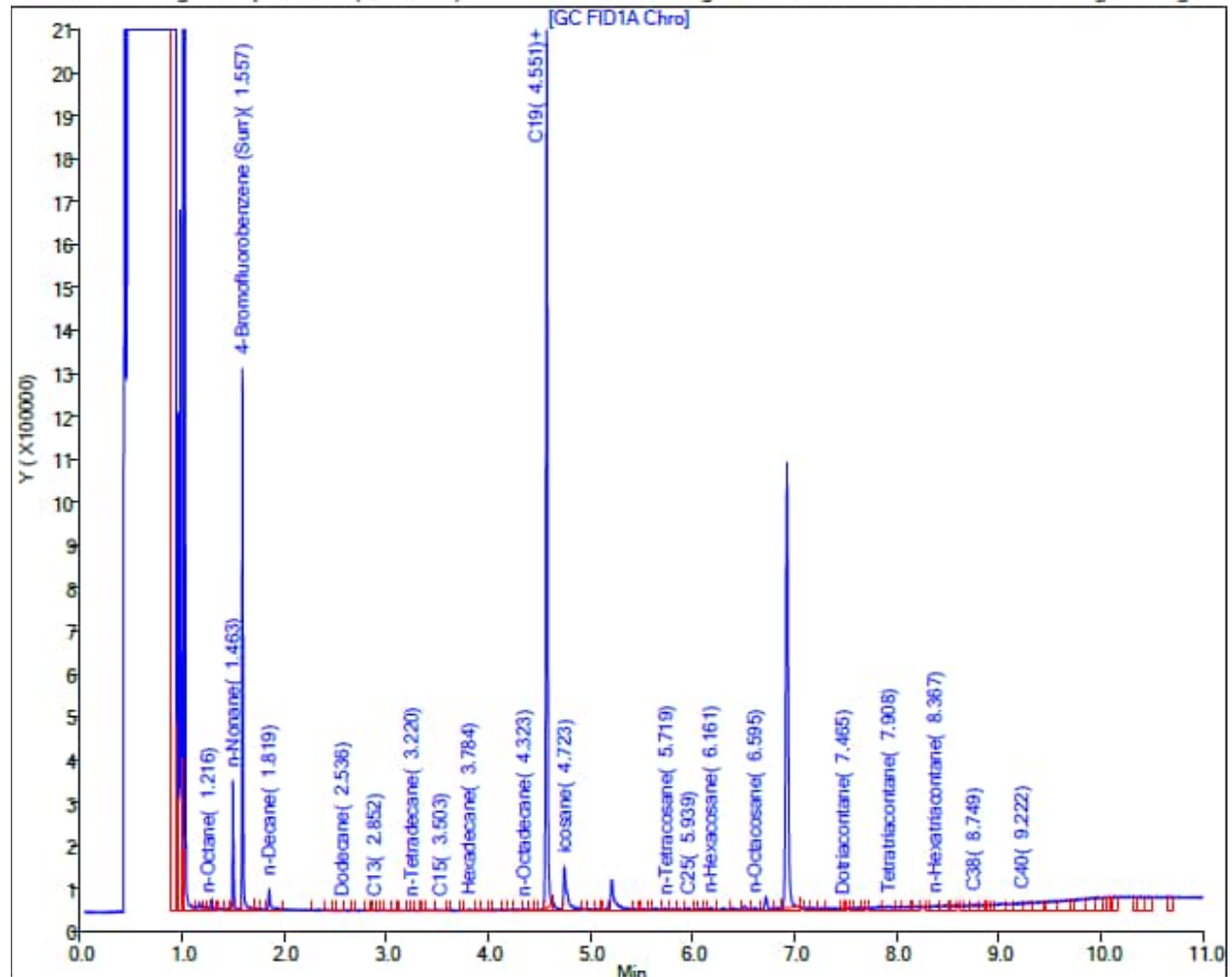
Dil. Factor: 1.0000

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



Method Blank Associated with SDG 580-125358-1

Sample ID: RHMW02-WGN01B-2303WK4, RHMW05-WGN01B-2303WK4, RHMW01R-WGN01B-2303WK4, RHMW03-WGN01B-2303WK4

Sample Date: 3/28/2023

Lab: Eurofins Seattle

Report Date: 05-Apr-2023 11:49:54

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230404-87782.b\040423A026.D

Injection Date: 04-Apr-2023 18:03:58

Instrument ID: TAC020

Lims ID: MB 580-422130/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 26

Injection Vol: 1.0 ul

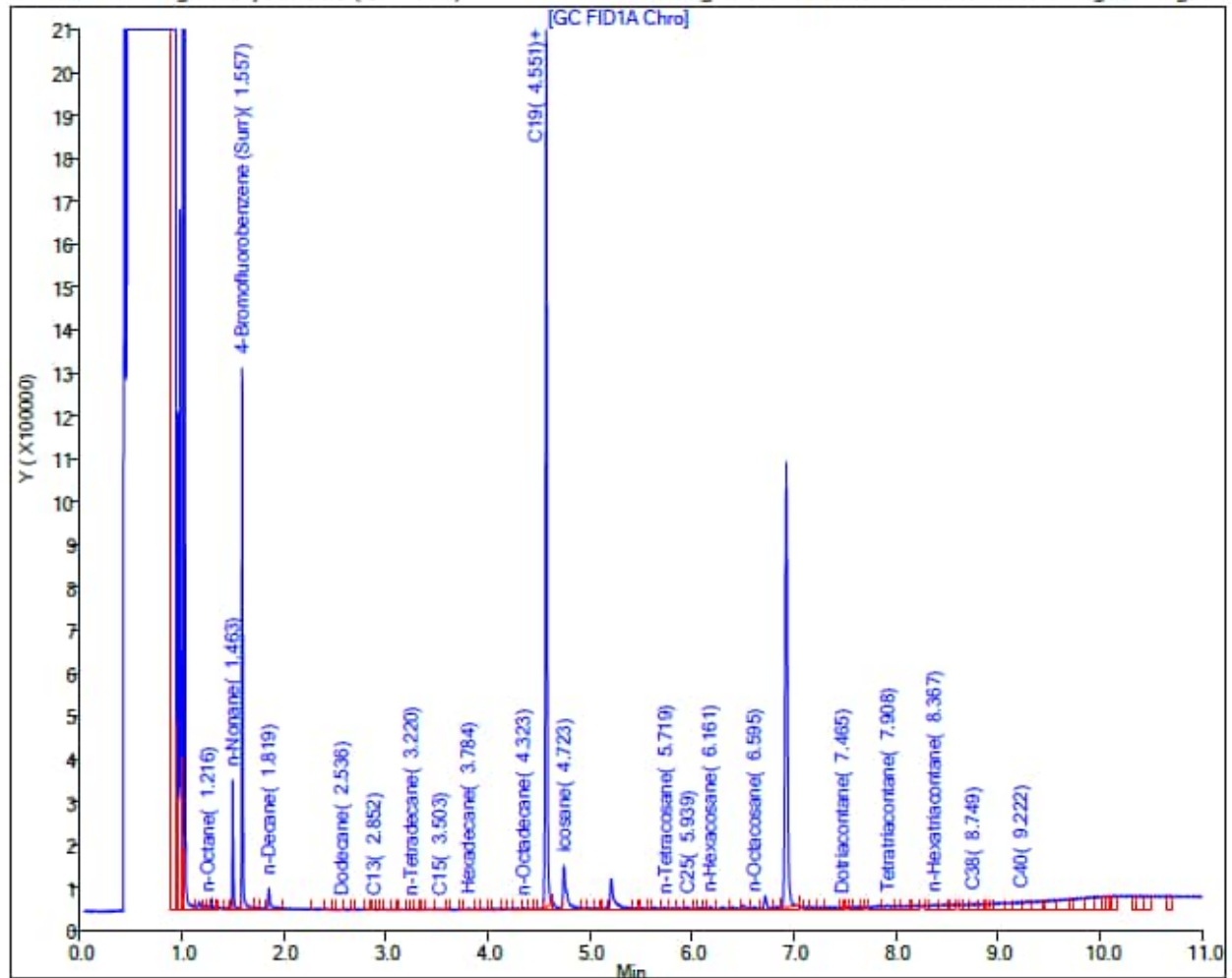
Dil. Factor: 1.0000

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



Method Blank Associated with SDG 580-125401-1

Sample ID: RHMW04-WGN01B-2303WK4, OWDFMW01-WGN01LF-2303WK4, RHMW06-WGN01B-2303WK4, RHMW04-WGFD01B-2303WK4, RHMW15-05-WGN01G-2303WK4, RHMW08-WGN01B-2303WK4, RHMW17-WGN01B-2303WK4

Sample Date: 3/30/2023

Lab: Eurofins Seattle

Report Date: 17-Apr-2023 10:05:21

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230414-87954.b\041423B044.D

Injection Date: 15-Apr-2023 04:01:45

Instrument ID: TAC020

Lims ID: MB 580-423236/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 24

Injection Vol: 1.0 ul

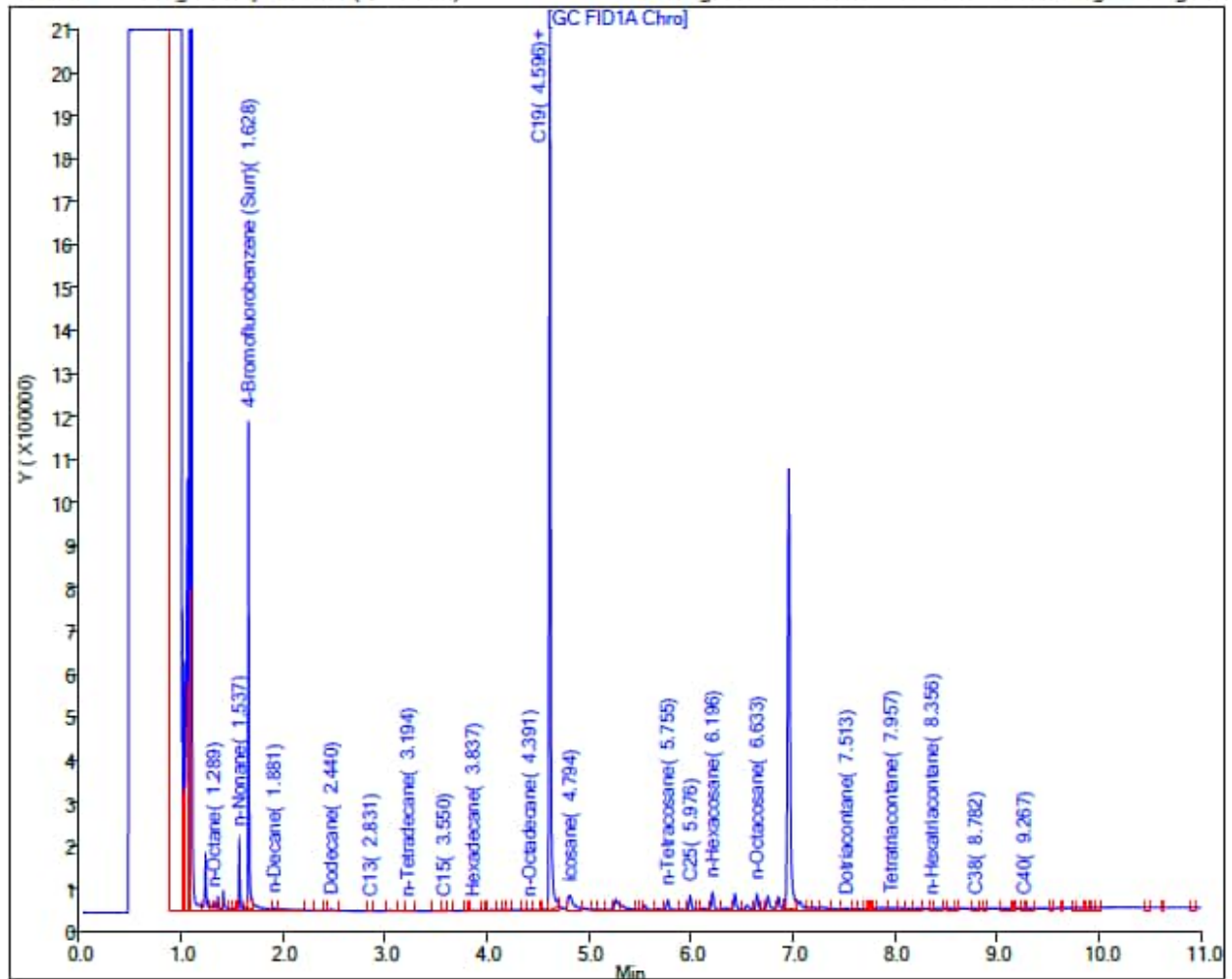
Dil. Factor: 1.0000

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



Method Blank Associated with SDG 580-125456-1

Sample ID: RHMW14-03-WGN01G-2303WK4

Sample Date: 3/31/2023

Lab: Eurofins Seattle

Report Date: 10-Apr-2023 10:24:30

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230407-87849.b\040723A009.D

Injection Date: 07-Apr-2023 14:13:53

Instrument ID: TAC020

Lims ID: MB 580-422471/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul

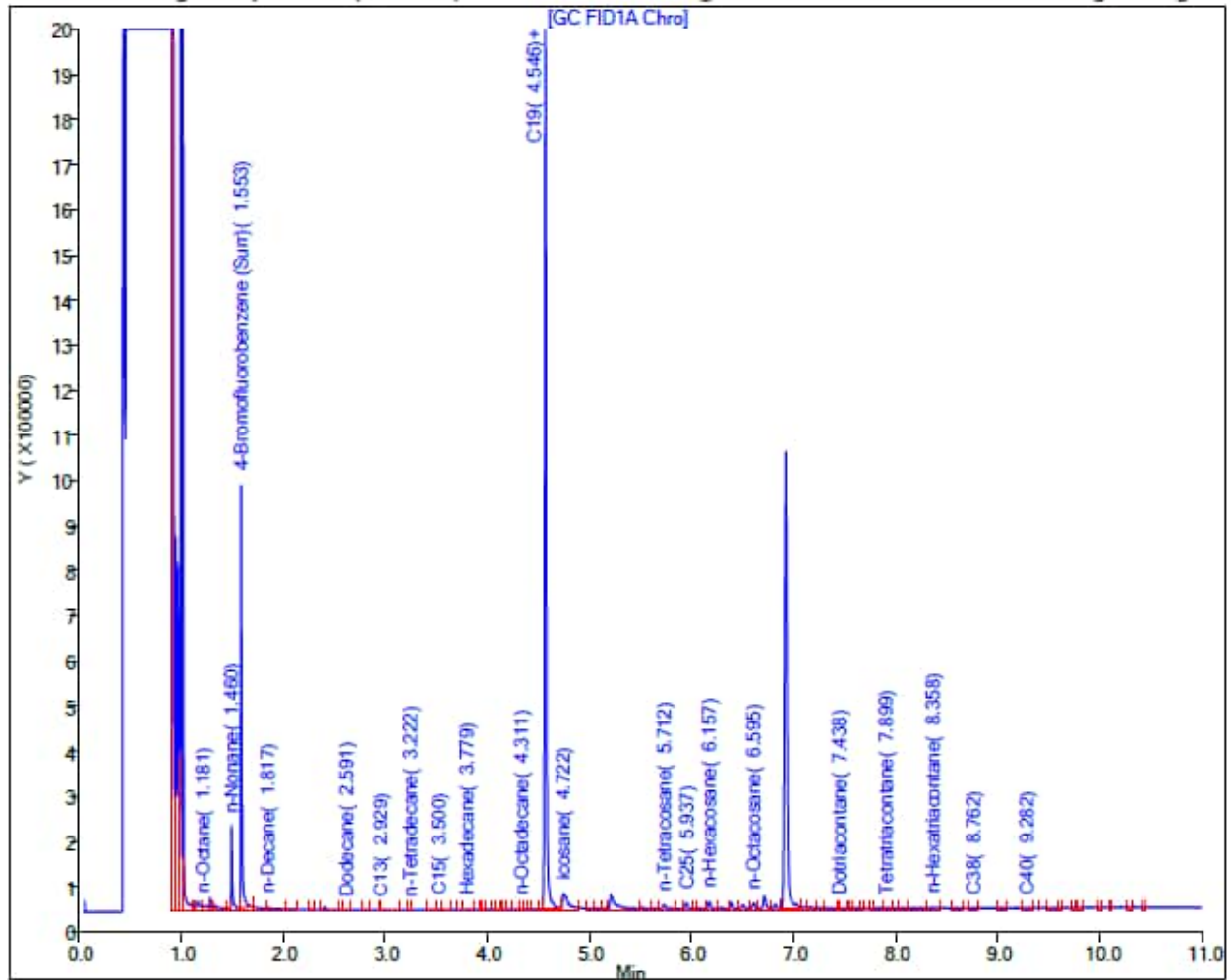
Dil. Factor: 1.0000

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 580-125491-1

Sample ID: RHMW16-WGN01LF-2304WK1, RHMW19-WGN01B-2304WK1, RHMW09-WGN01B-2304WK1, RHMW12A-WGN01LF-2304WK1

Sample Date: 4/3/2023

Lab: Eurofins Seattle

Report Date: 10-Apr-2023 10:24:30

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230407-87849.b\040723A009.D

Injection Date: 07-Apr-2023 14:13:53

Instrument ID: TAC020

Lims ID: MB 580-422471/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 9

Injection Vol: 1.0 ul

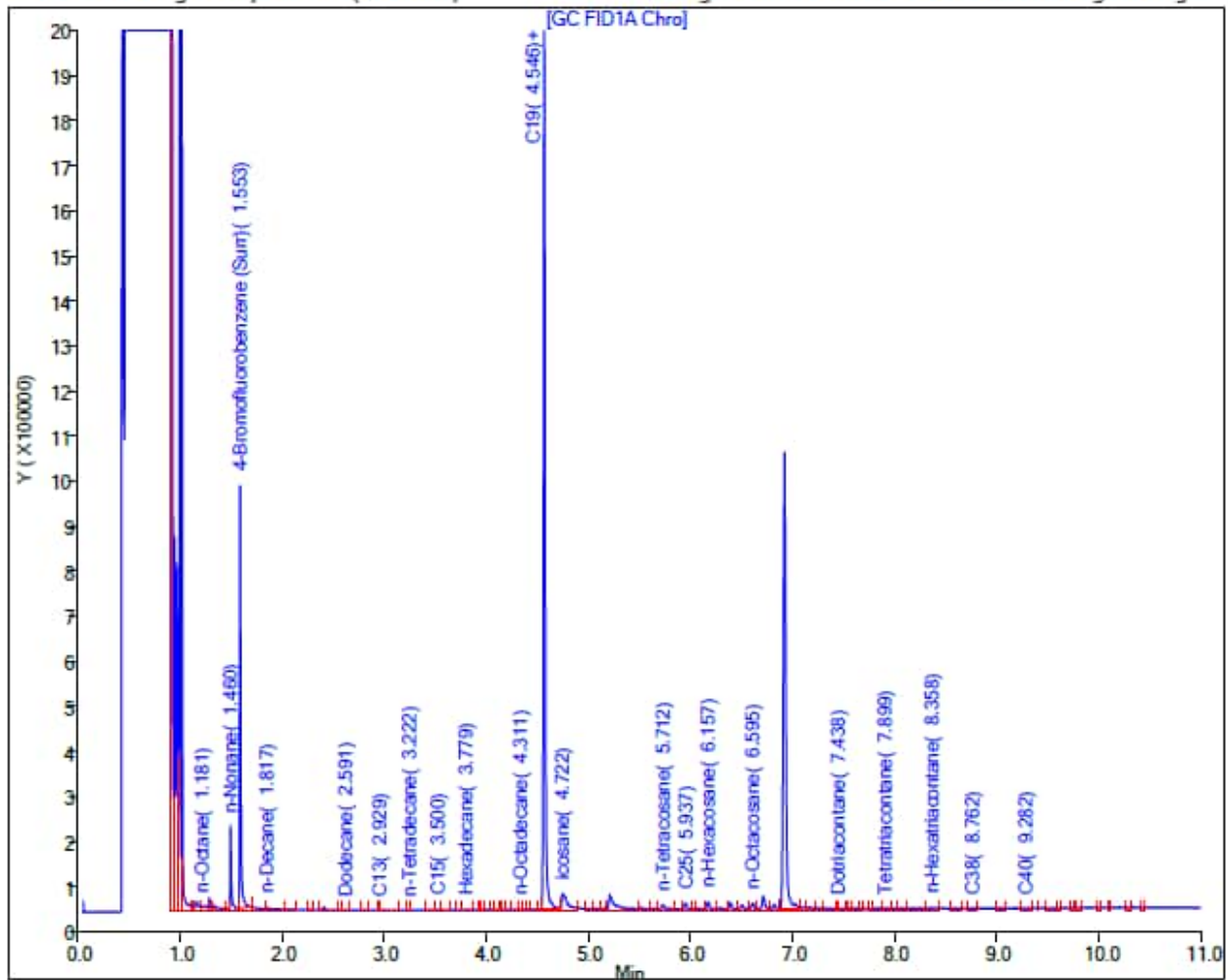
Dil. Factor: 1.0000

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 580-125579-1

Sample ID: RHMW14-03-WGN01G-2304WK1, RHMW11-05-WGN01G-2304WK1, OWDFMW08A-WGN01LF-2304WK1, OWDFMW08A-WGFD01LF-2304WK1, RHMW13-05-WGN01G-2304WK1, OWDFMW07A-WGN01LF-2304WK1

Sample Date: 4/3/2023, 4/4/2023

Lab: Eurofins Seattle

Report Date: 13-Apr-2023 09:21:47

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230412-87914.b\041223A017.D

Injection Date: 12-Apr-2023 15:57:15

Instrument ID: TAC020

Lims ID: MB 580-422896/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 17

Injection Vol: 1.0 ul

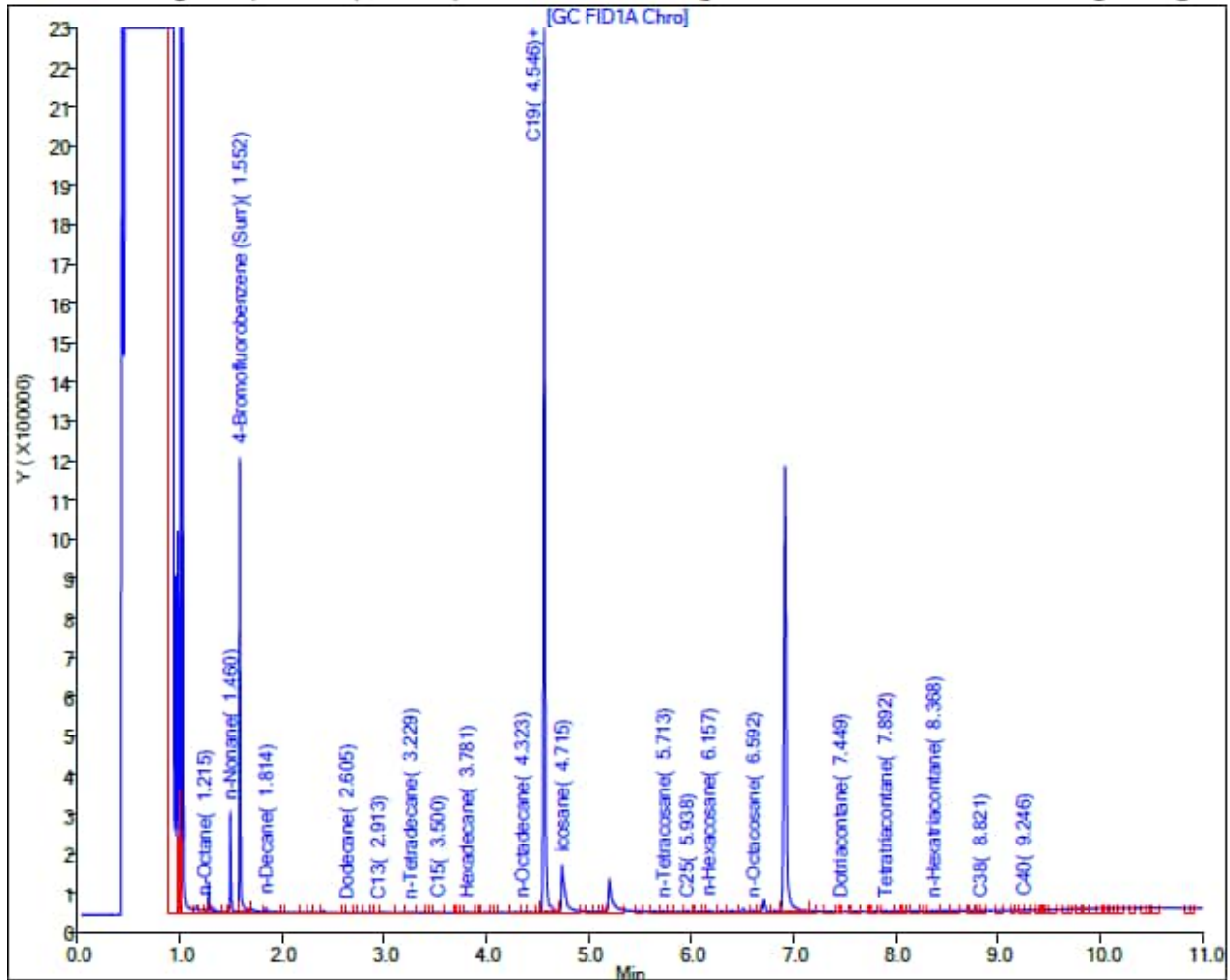
Dil. Factor: 1.0000

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



Method Blank Associated with SDG 580-125642-1

Sample ID: ADIT3-SUMP-WGN01B-2304WK1, RHMW2254-01-WGN01LF-2304WK1, RHMW2254-01-WGN01B-2304WK1, OWDFMW04A-WGN01LF-2304WK1, OWDFMW04A-WGFD01LF-2304WK1, OWDFMW05A-WGN01LF-2304WK1

Sample Date: 4/5/2023

Lab: Eurofins Seattle

Report Date: 10-May-2023 16:24:21

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230510-88338.b\051023B012.D

Injection Date: 10-May-2023 14:53:23

Instrument ID: TAC020

Lims ID: MB 580-425121/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 12

Injection Vol: 1.0 ul

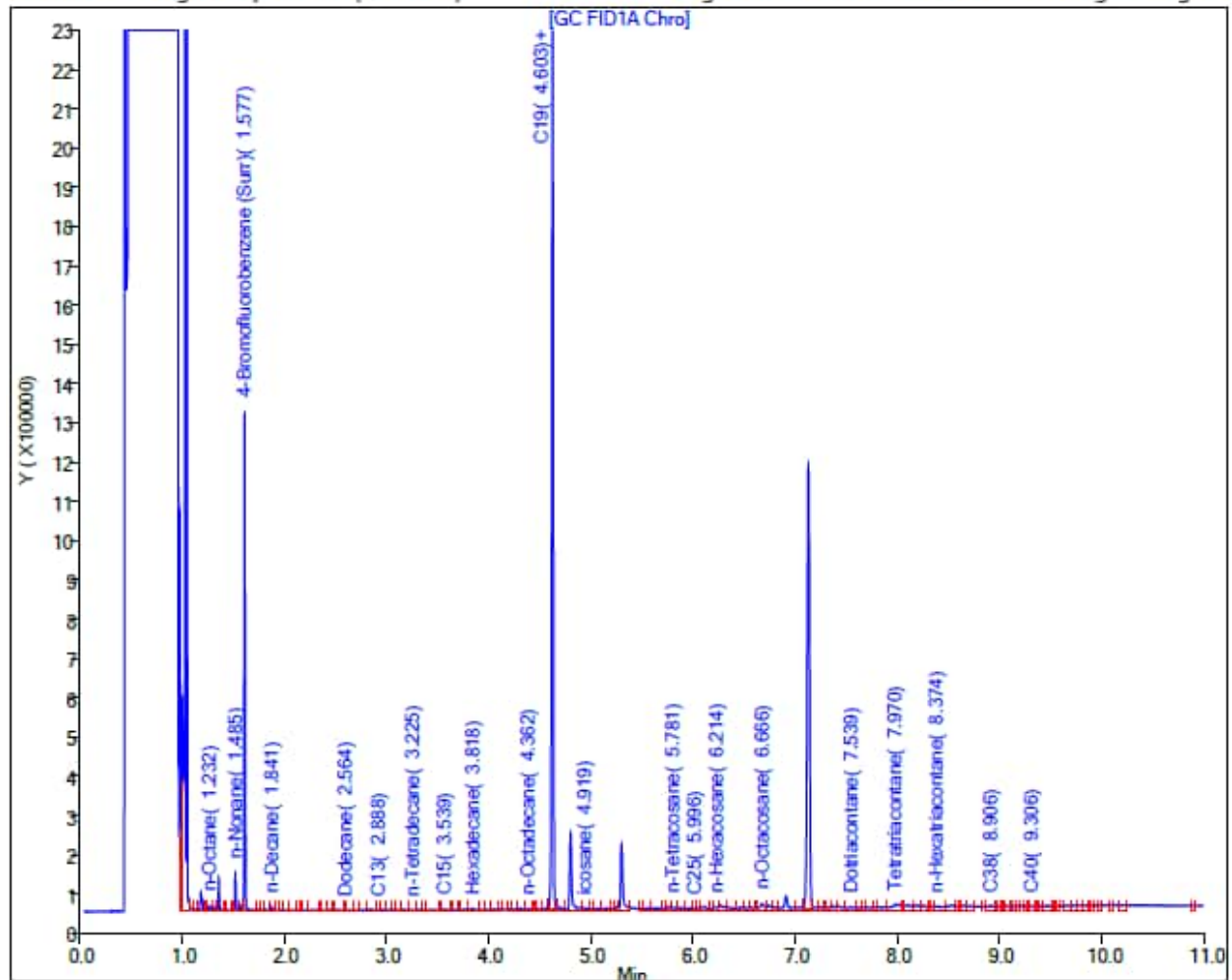
Dil. Factor: 1.0000

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



Method Blank Associated with SDG 580-125644-1

Sample ID: RHMW01R-WGN01B-2304WK1, RHMW05-WGN01B-2304WK1, RHMW02-WGN01B-2304WK1, RHMW03-WGN01B-2304WK1

Sample Date: 4/4/2023

Lab: Eurofins Seattle

Report Date: 11-Apr-2023 09:26:34

Chrom Revision: 2.3 16-Mar-2023 15:40:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230410-87867.b\041023A040.D

Injection Date: 10-Apr-2023 23:28:19

Instrument ID: TAC020

Lims ID: MB 580-422752/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 **Worklist Smp#:** 40

Injection Vol: 1.0 ul

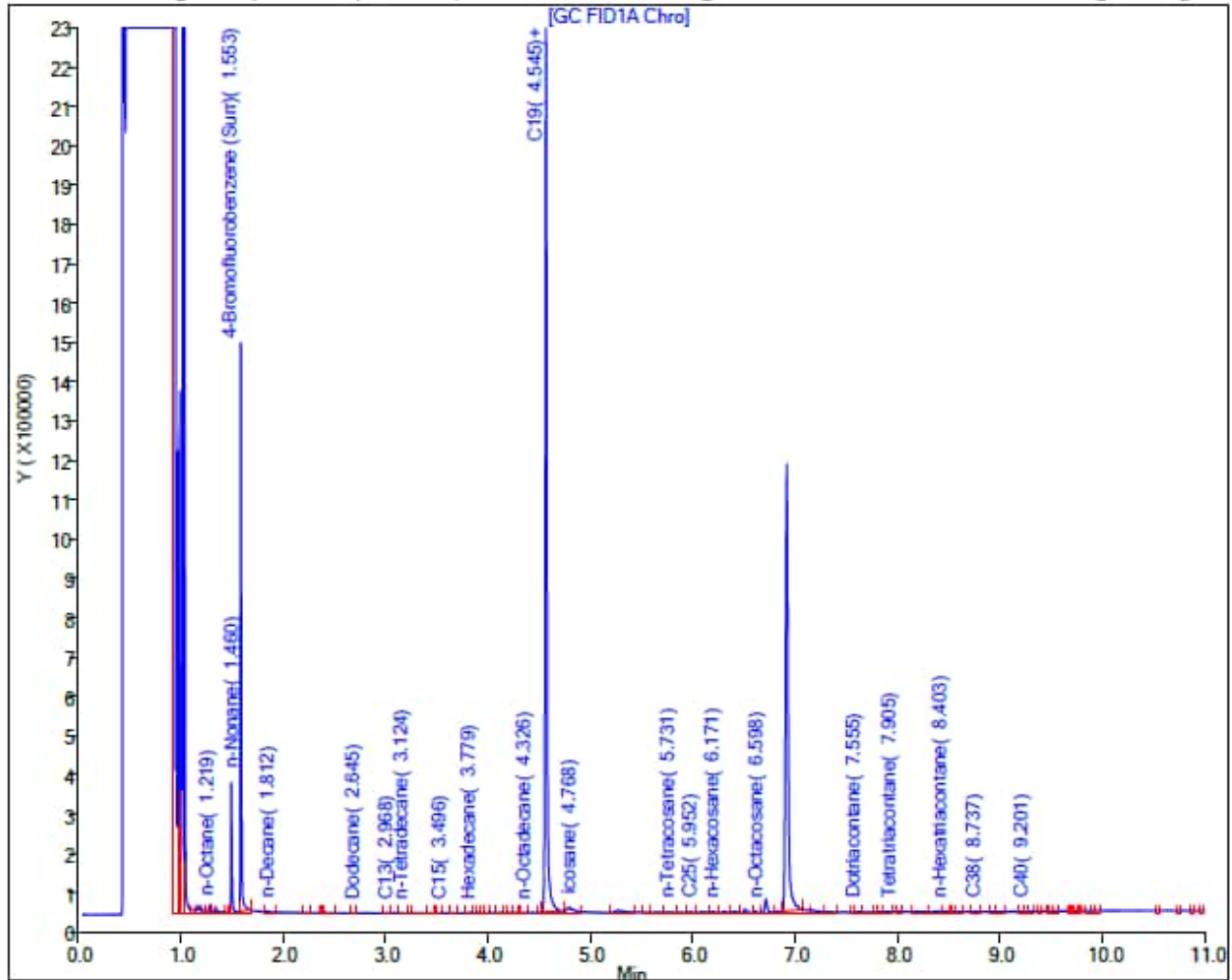
Dil. Factor: 1.0000

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



Method Blank Associated with SDG 580-125701-1

Sample ID: RHMW15-05-WGN01G-2304WK1, RHMW04-WGN01B-2304WK1, RHMW04-WGFD01B-2304WK1, OWDFMW01-WGN01LF-2304WK1

Sample Date: 4/6/2023

Lab: Eurofins Seattle

Report Date: 17-Apr-2023 10:05:21

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230414-87954.b\041423B044.D

Injection Date: 15-Apr-2023 04:01:45

Instrument ID: TAC020

Lims ID: MB 580-423236/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 24

Injection Vol: 1.0 ul

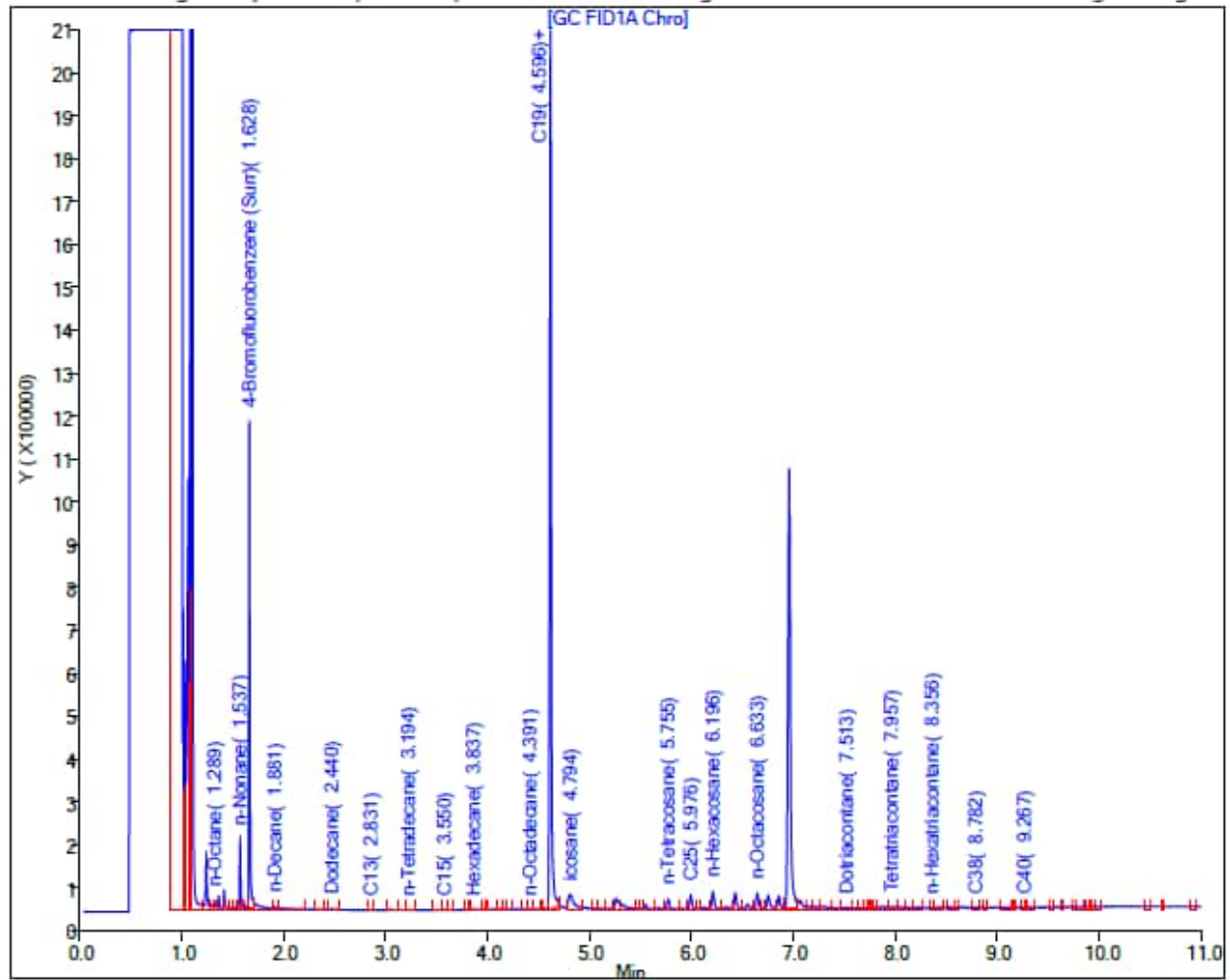
Dil. Factor: 1.0000

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



Method Blank Associated with SDG 580-125737-1

Sample ID: RHMW08-WGN01B-2304WK1, RHMW17-WGN01B-2304WK1, RHMW06-WGN01B-2304WK1

Sample Date: 4/6/2023

Lab: Eurofins Seattle

Report Date: 17-Apr-2023 10:05:21

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230414-87954.b\041423B044.D

Injection Date: 15-Apr-2023 04:01:45

Instrument ID: TAC020

Lims ID: MB 580-423236/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

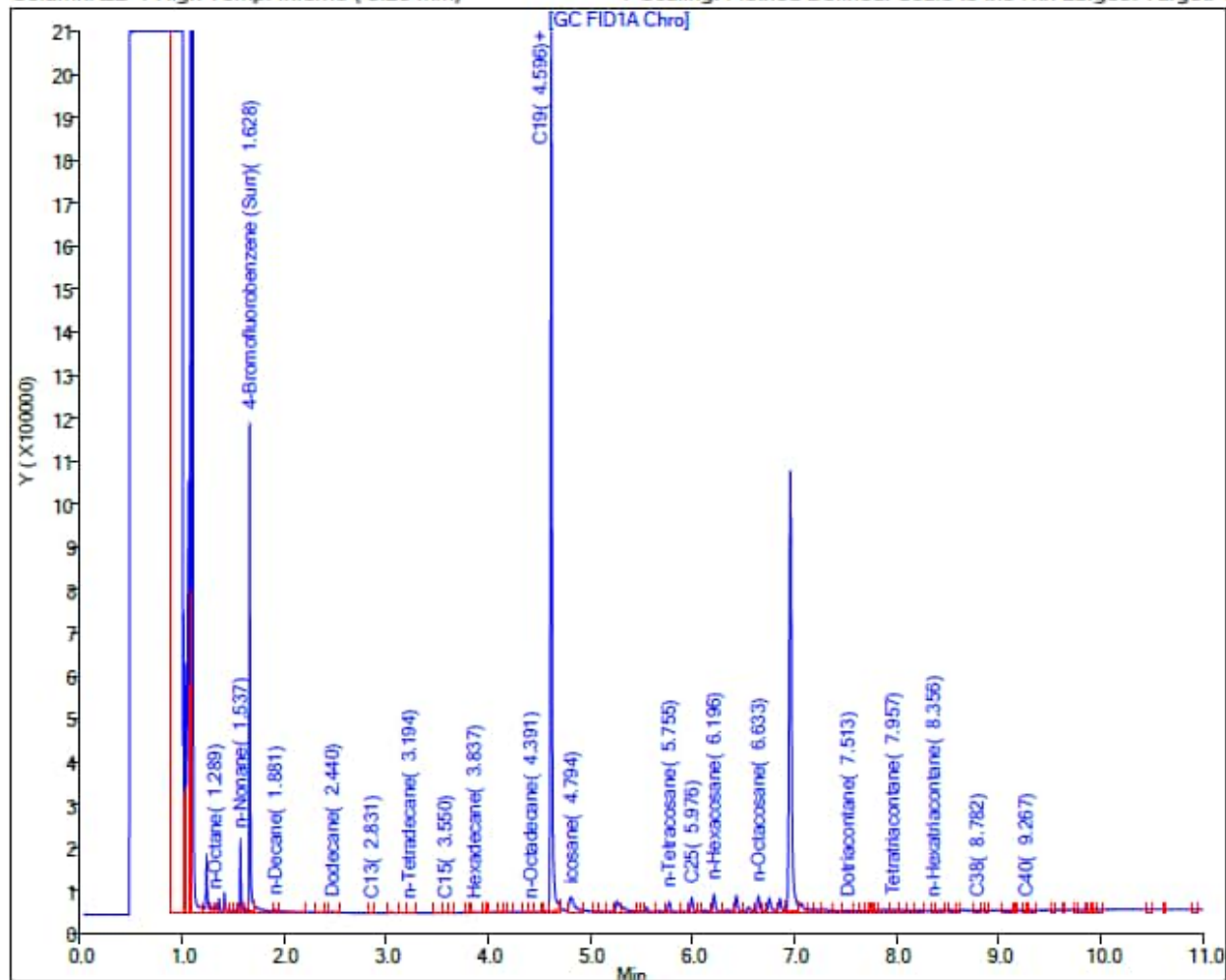
Method: TPH-Front_TAC020

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



Method Blank Associated with SDG 580-126423-1

Sample ID: RHMW12A-WGN01LF-2304WK4, RHMW16-WGN01LF-2304WK4

Sample Date: 4/24/2023

Lab: Eurofins Seattle

Report Date: 27-Apr-2023 09:15:41

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230426-88115.b\042623A023.D

Injection Date: 26-Apr-2023 21:34:09

Instrument ID: TAC129_R

Lims ID: MB 580-424201/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0 Worklist Smp#: 12

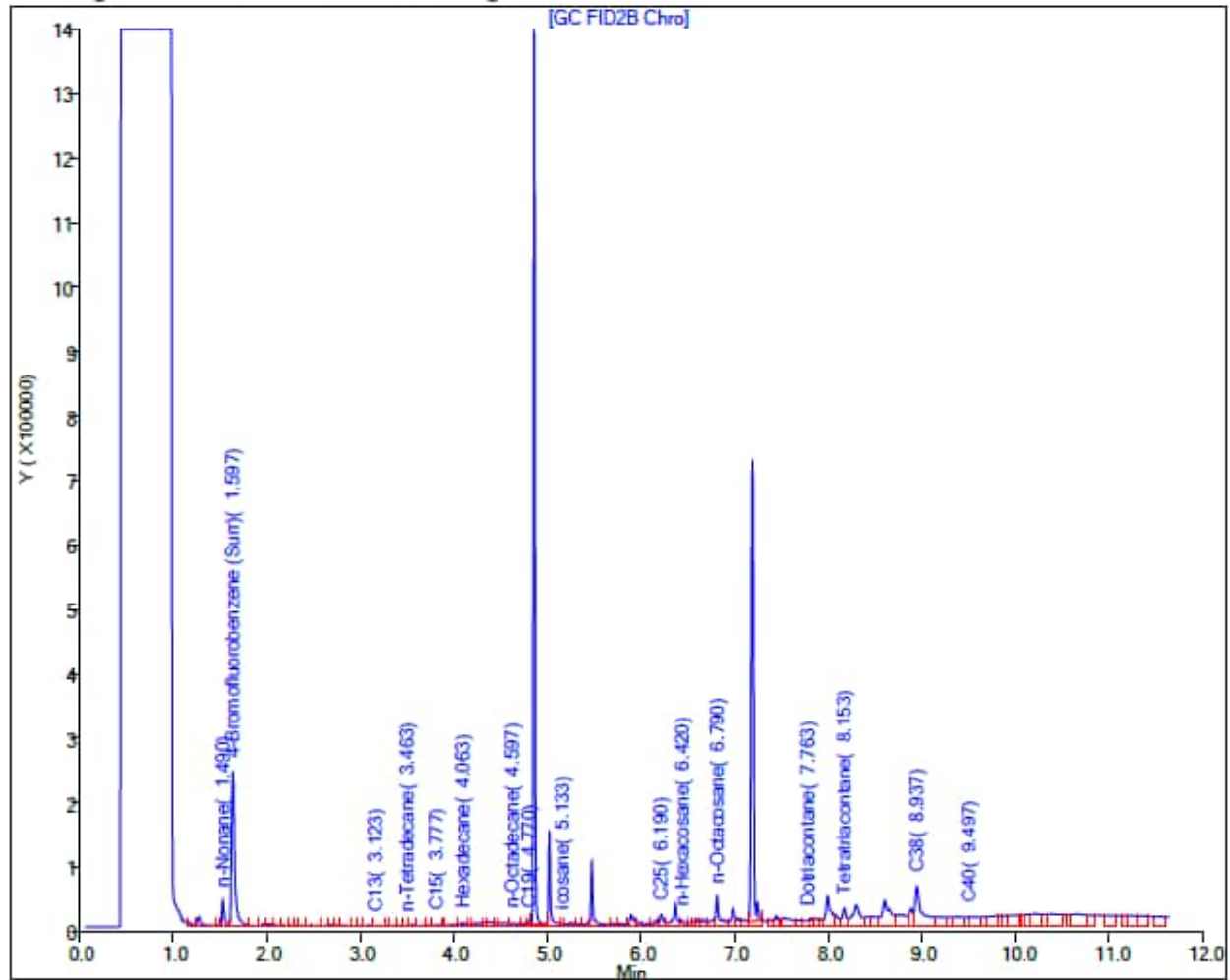
Injection Vol: 1.0 ul

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



Method Blank Associated with SDG 580-126703-1

Sample ID: OWDFMW07A-WGN01LF-2305WK1, RHMW12A-WGN01LF-2305WK1, RHMW16-WGN01LF-2305WK1

Sample Date: 5/1/2023

Lab: Eurofins Seattle

Report Date: 09-May-2023 08:19:30

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230508-88308.b\050823A052.D

Injection Date: 08-May-2023 21:37:03

Instrument ID: TAC129

Lims ID: MB 580-425307/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

36

Injection Vol: 1.0 ul

Dil. Factor:

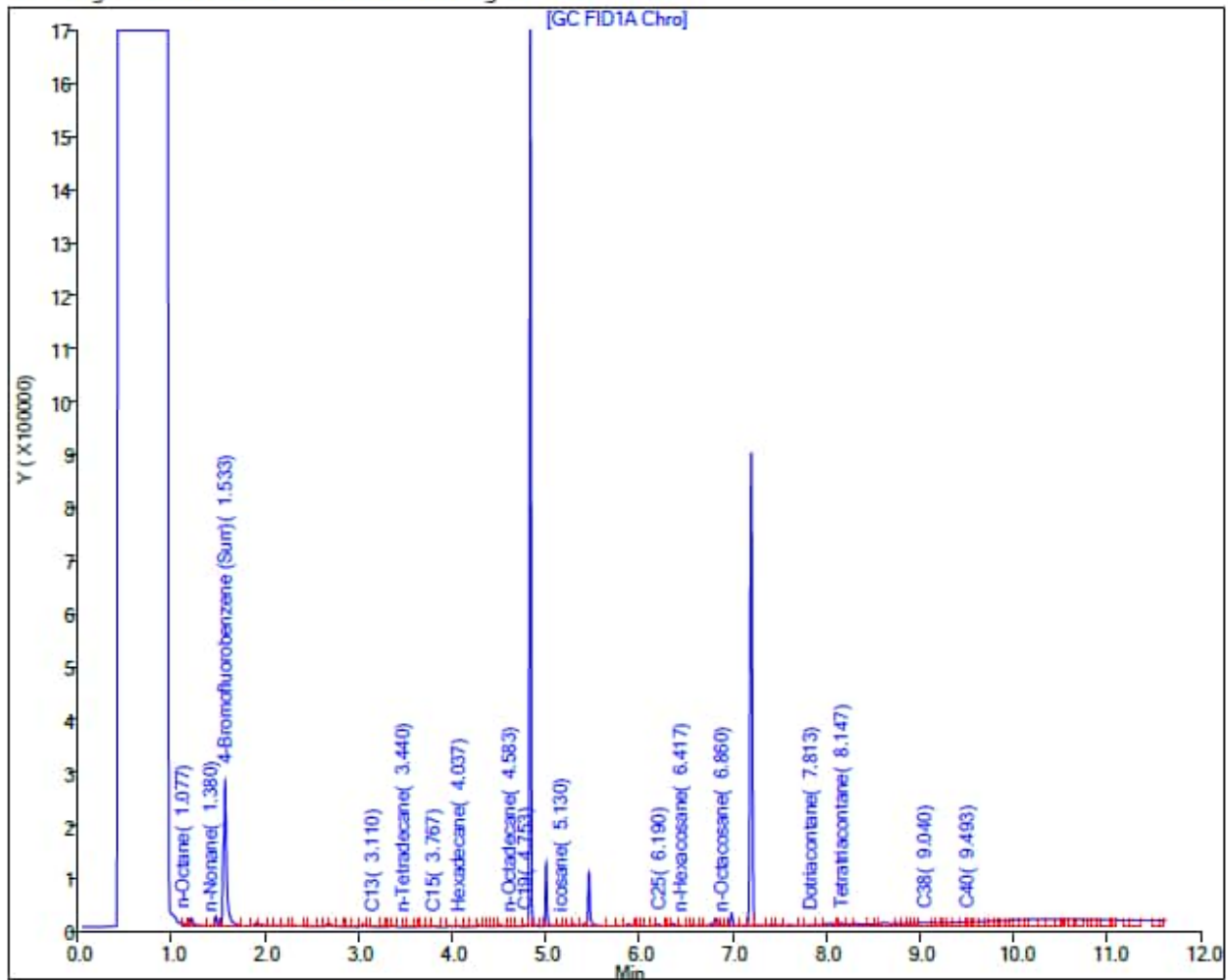
1.0000

Method: TPH-TAC129Front

Limit Group:

8015B-D DRO ICAL CA and HW ranges

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Method Blank Associated with SDG 580-126757-1

Sample ID: RHMW11-05-WGN01G-2305WK1, OWDFMW08A-WGN01LF-2305WK1, OWDFMW08A-WGFD01LF-2305WK1, RHMW14-03-WGN01G-2305WK1, RHMW13-05-WGN01G-2305WK1

Sample Date: 5/1/2023

Lab: Eurofins Seattle

Report Date: 15-May-2023 10:20:05

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230512-88389.b\051223A009.D

Injection Date: 12-May-2023 17:13:30

Instrument ID: TAC129_R

Lims ID: MB 580-425782/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 5

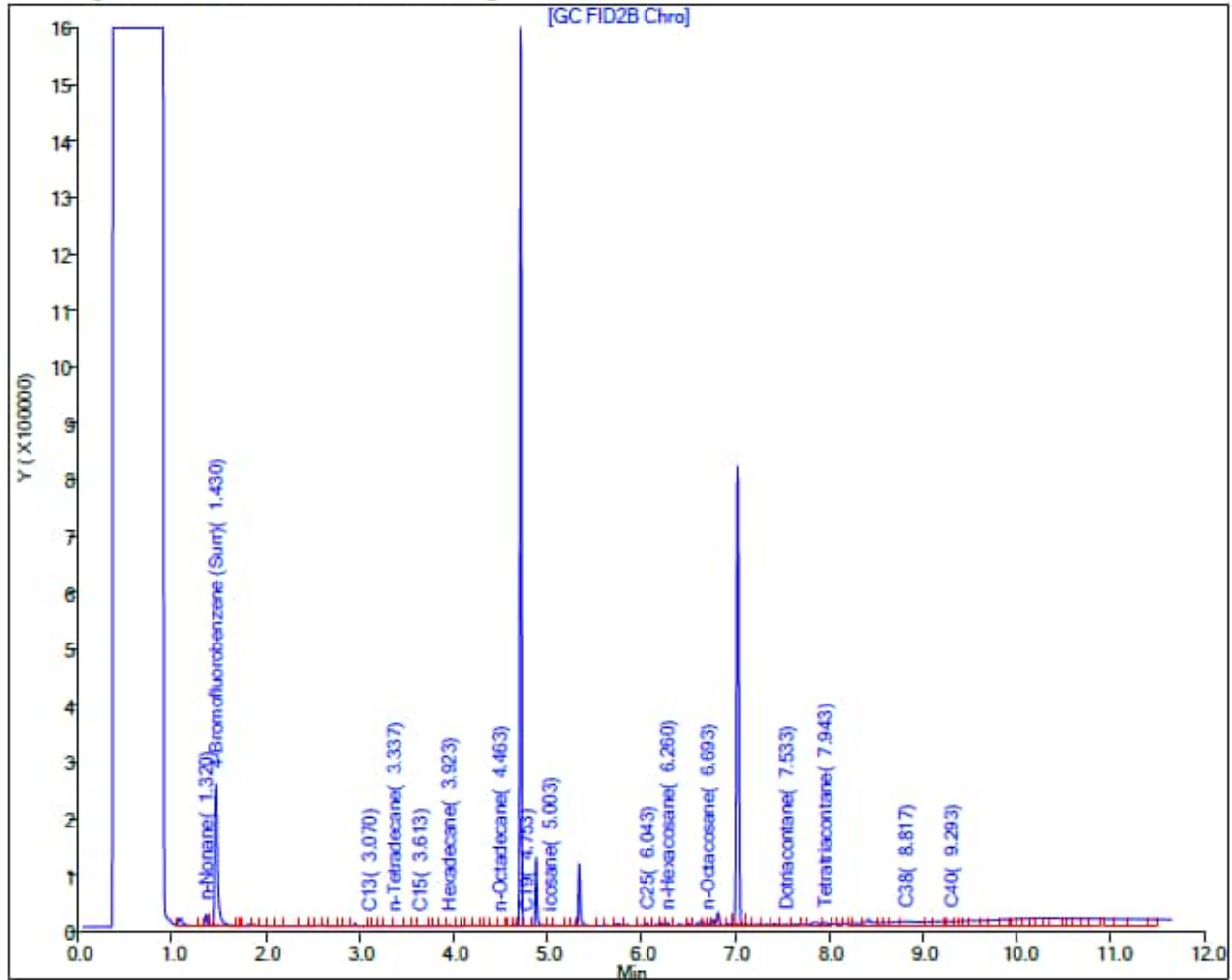
Injection Vol: 1.0 ul

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 580-126762-1

Sample ID: RHMW01R-WGN01B-2305WK1, RHMW02-WGN01B-2305WK1, RHMW05-WGN01B-2305WK1, OWDFMW05A-WGN01LF-2305WK1

Sample Date: 5/2/2023

Lab: Eurofins Seattle

Report Date: 08-May-2023 11:29:36

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230505-88267.b\050523B035.D

Injection Date: 05-May-2023 18:48:59

Instrument ID: TAC129_R

Lims ID: MB 580-425121/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

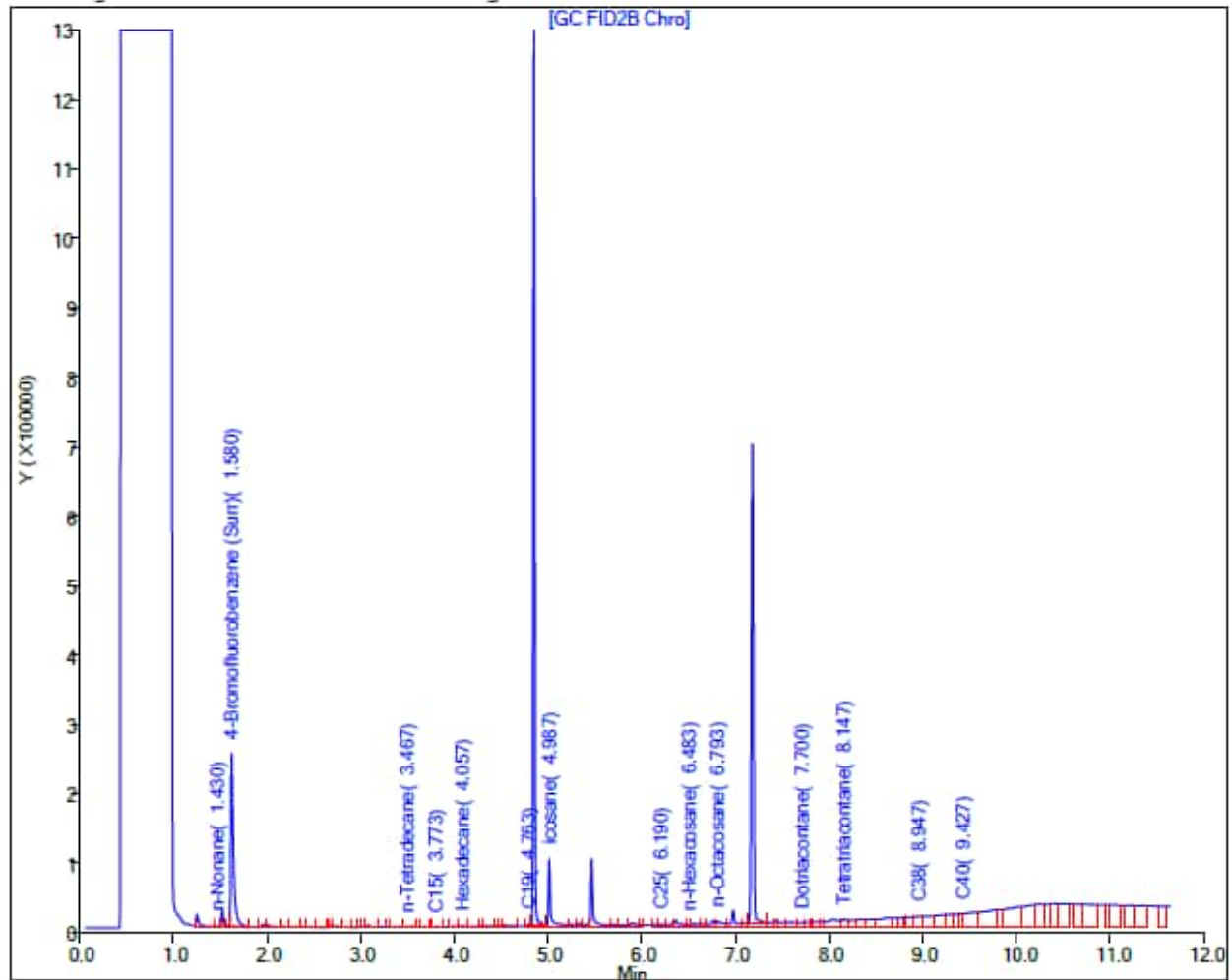
1.0000

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 580-126837-1

Sample ID: OWDFMW04A-WGN01LF-2305WK1, OWDFMW04A-WGFD01LF-2305WK1, RHMW03-WGN01B-2305WK1, RHMW09-WGN01B-2305WK1, RHMW19-WGN01B-2305WK1

Sample Date: 5/2/2023, 5/3/2023

Lab: Eurofins Seattle

Report Date: 15-May-2023 10:20:05

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230512-88389.b\051223A009.D

Injection Date: 12-May-2023 17:13:30

Instrument ID: TAC129_R

Lims ID: MB 580-425782/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#:

5

Injection Vol: 1.0 ul

Dil. Factor:

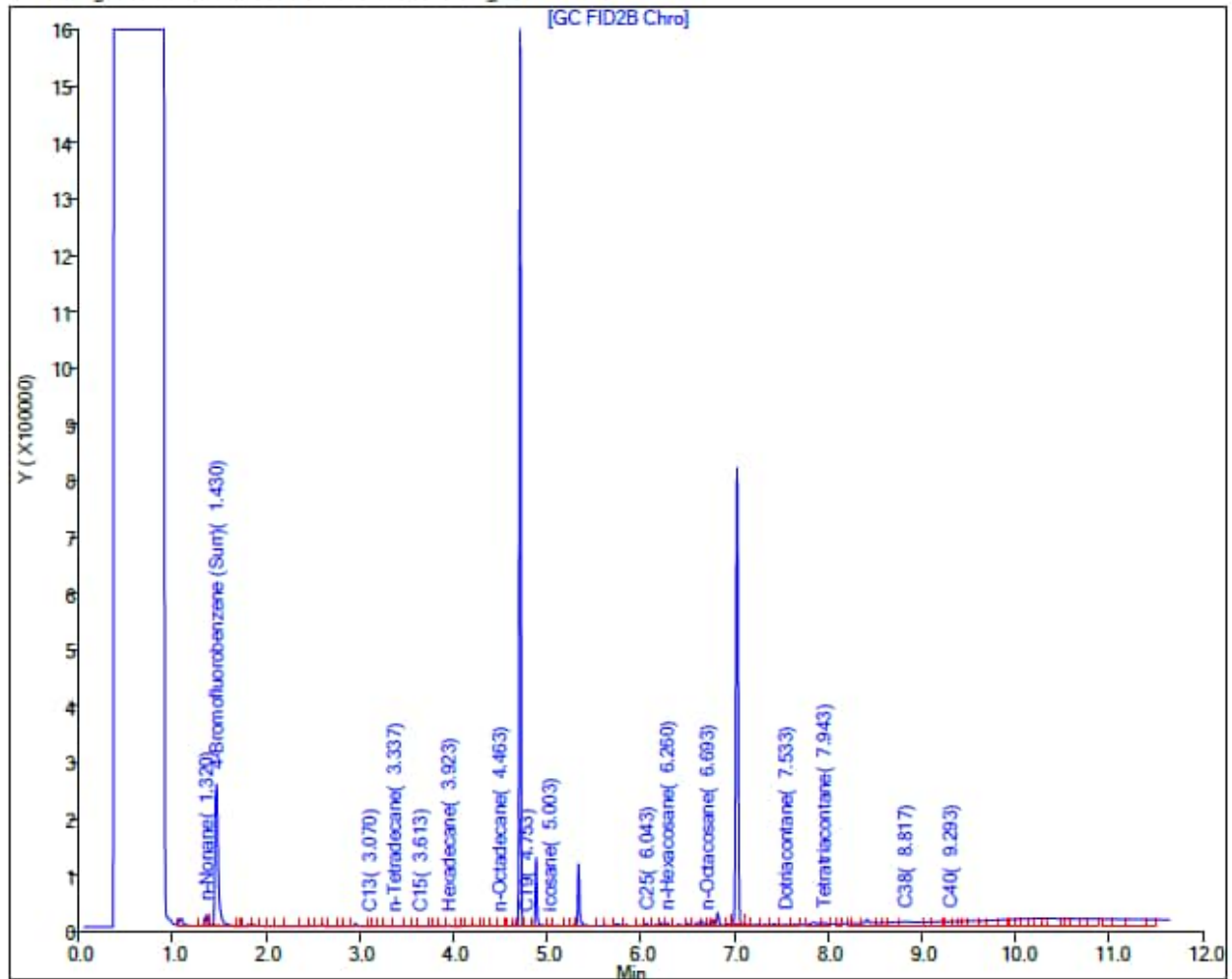
1.0000

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 580-126892-1

Sample ID: RHMW2254-01-WGN01LF-2305WK1, RHMW15-05-WGN01G-2305WK1, RHMW17-WGN01B-2305WK1, OWDFMW01-WGN01LF-2305WK1, RHMW2254-01-WGN01B-2305WK1,

Sample Date: 5/4/2023

Lab: Eurofins Seattle

Report Date: 24-May-2023 09:52:38

Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230523-88549.b\052323A046.D

Injection Date: 23-May-2023 16:41:34

Instrument ID: TAC129

Lims ID: MB 580-426765/1-A

Client ID:

Operator ID: KW

ALS Bottle#:

0

Worklist Smp#: 5

Injection Vol: 1.0 ul

Dil. Factor:

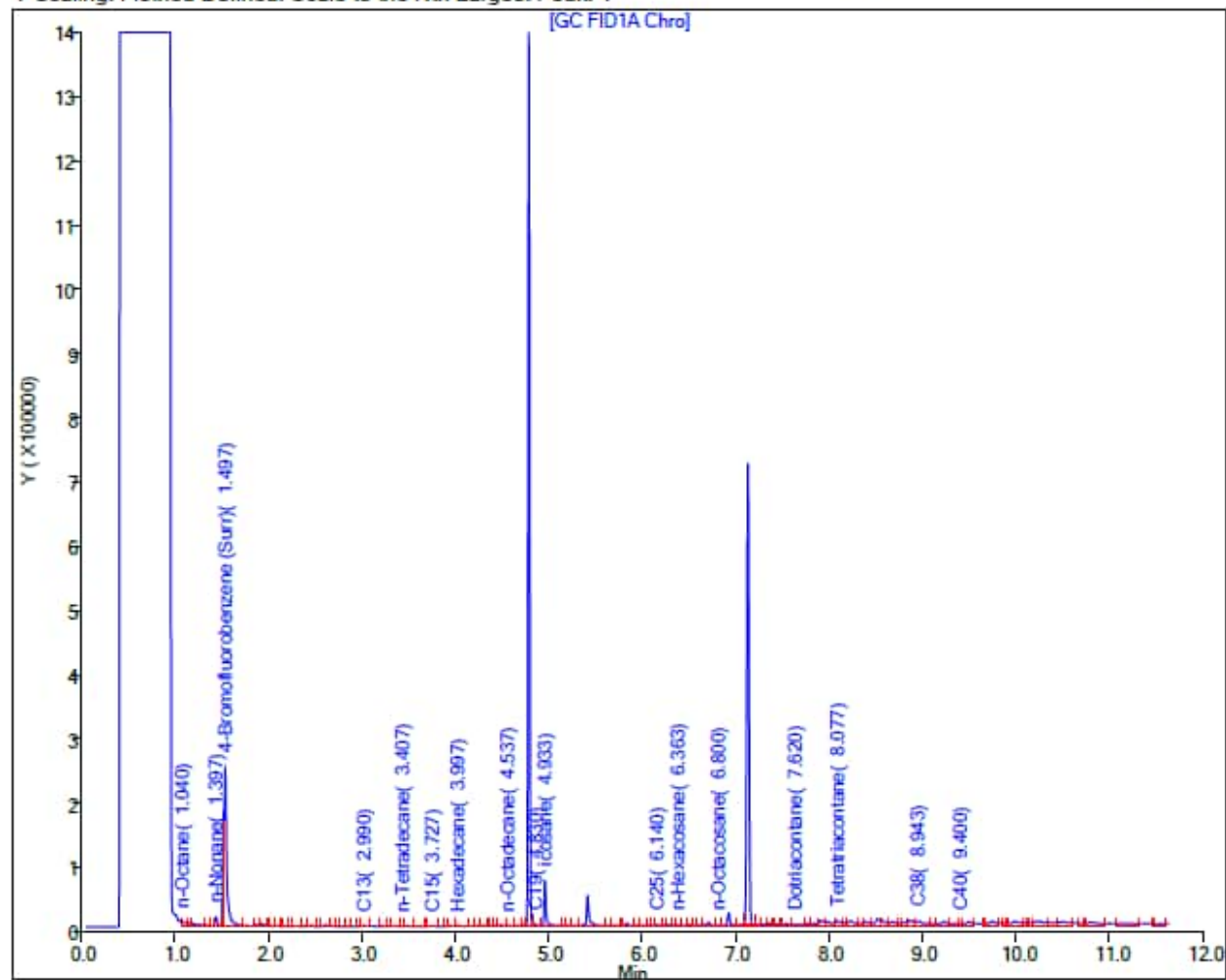
1.0000

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 580-127171-1

Sample ID: RHMW04-WGN01B-2305WK2, RHMW04-WGFD01B-2305WK2, RHMW08-WGN01B-2305WK2, RHMW15-05-WGN01G-2305WK2

Sample Date: 5/11/2023

Lab: Eurofins Seattle

Report Date: 17-May-2023 08:17:27

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129_R\20230516-88437.b\051623A061.D

Injection Date: 16-May-2023 20:25:09

Instrument ID: TAC129_R

Lims ID: MB 580-426099/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 31

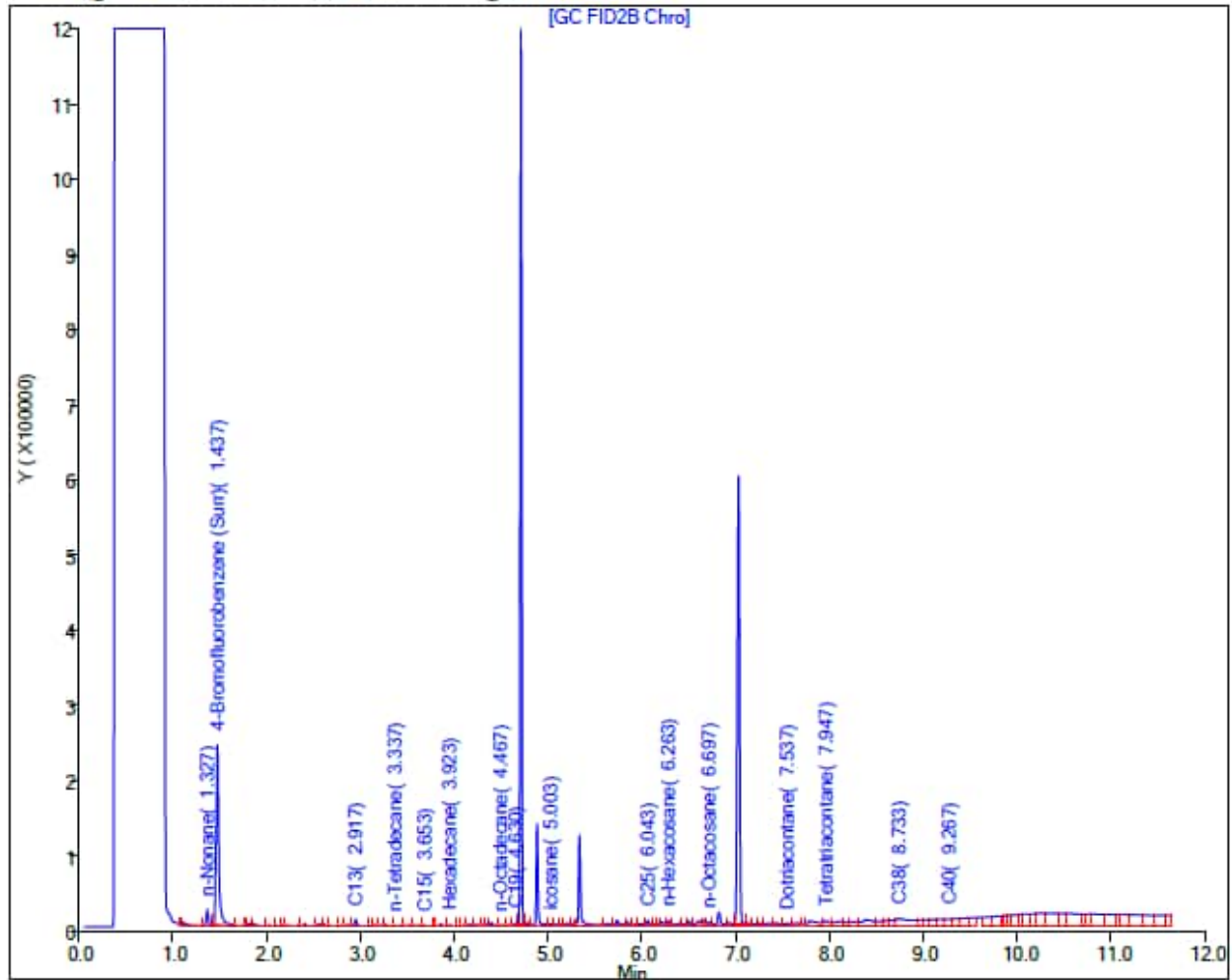
Injection Vol: 1.0 ul

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



Method Blank Associated with SDG 580-127393-1

Sample ID: RHMW05-WGN01B-2305WK3, RHMW03-WGN01B-2305WK3, RHMW14-03-WGN01G-2305WK3, OWDFMW05A-WGN01LF-2305WK3, OWDFMW04A-WGN01LF-2305WK3, OWDFMW04A-WGFD01LF-2305WK3

Sample Date: 5/16/2023

Lab: Eurofins Seattle

Report Date: 22-May-2023 09:30:48

Chrom Revision: 2.3 29-Mar-2023 18:39:10

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC020\20230519-88500.b\051923A026.D

Injection Date: 19-May-2023 19:03:51

Instrument ID: TAC020

Lims ID: MB 580-426476/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 26

Injection Vol: 1.0 ul

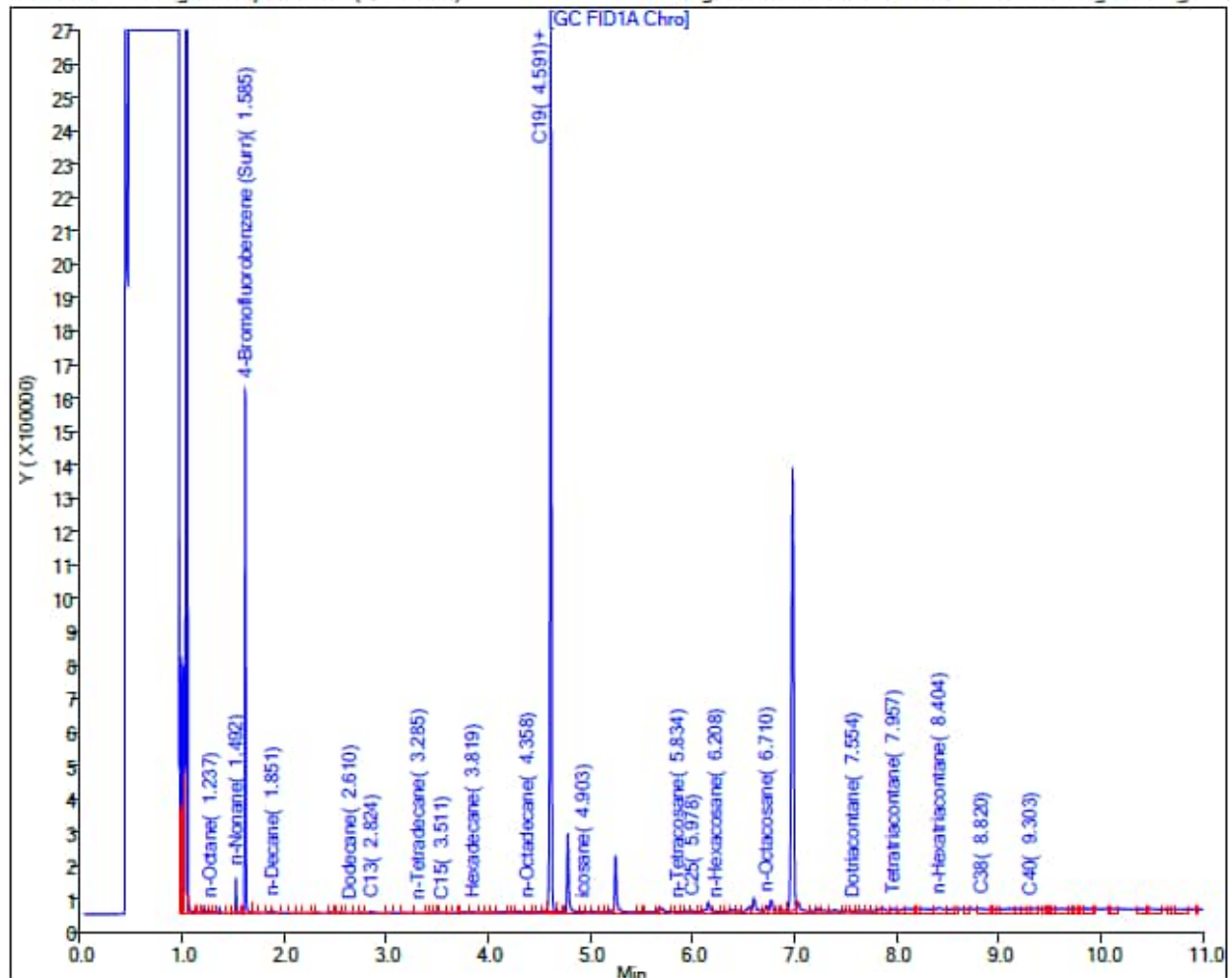
Dil. Factor: 1.0000

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



Method Blank Associated with SDG 580-127471-1

Sample ID: RHMW11-05-WGN01G-2305WK3

Sample Date: 5/18/2023

Lab: Eurofins Seattle

Report Date: 24-May-2023 09:52:38

Chrom Revision: 2.3 23-May-2023 13:55:56

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC129\20230523-88549.b\052323A046.D

Injection Date: 23-May-2023 16:41:34

Instrument ID: TAC129

Lims ID: MB 580-426765/1-A

Client ID:

Operator ID: KW

ALS Bottle#: 0

Worklist Smp#: 5

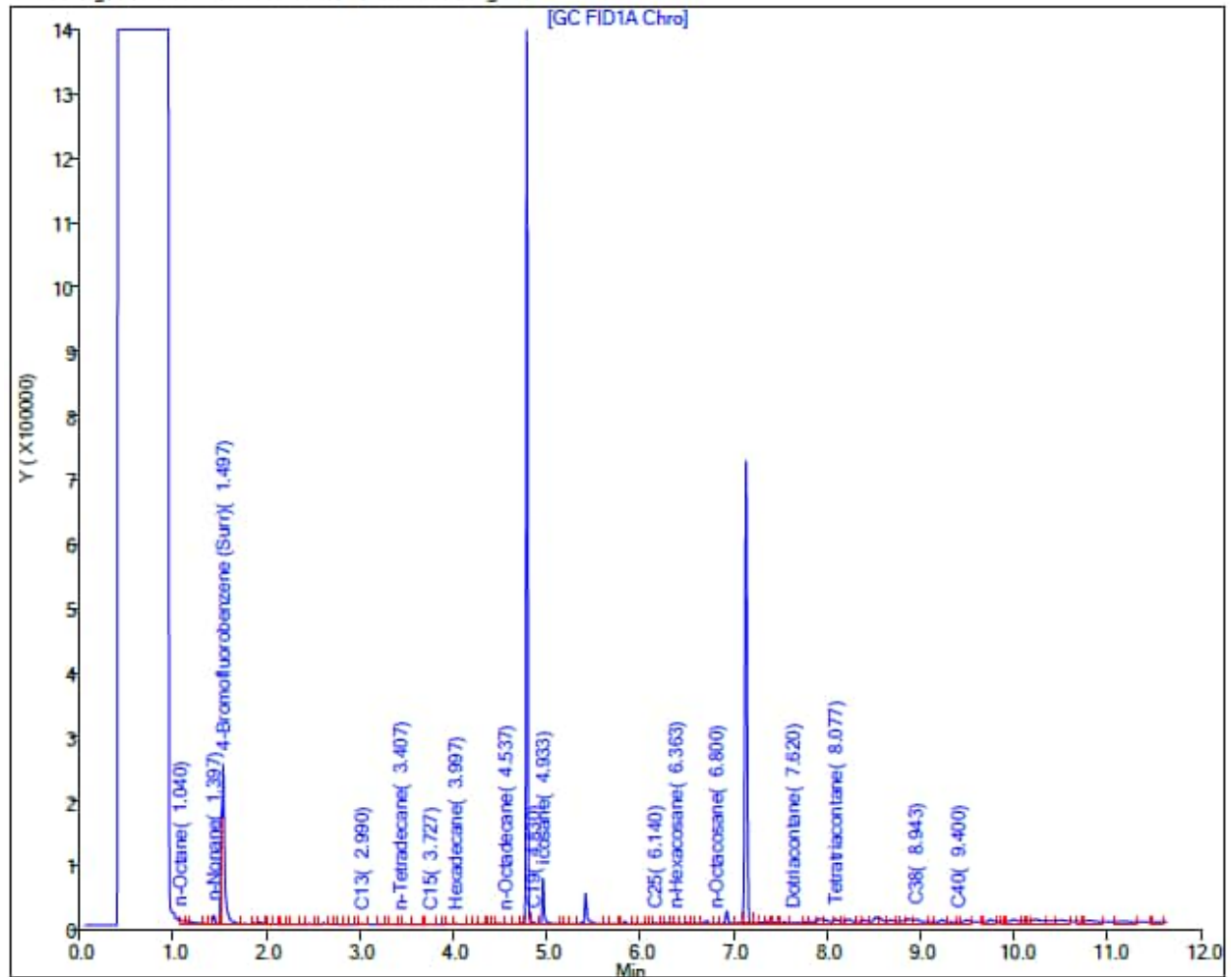
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: TPH-TAC129Front

Limit Group: 8015B-D DRO ICAL CA and HW ranges

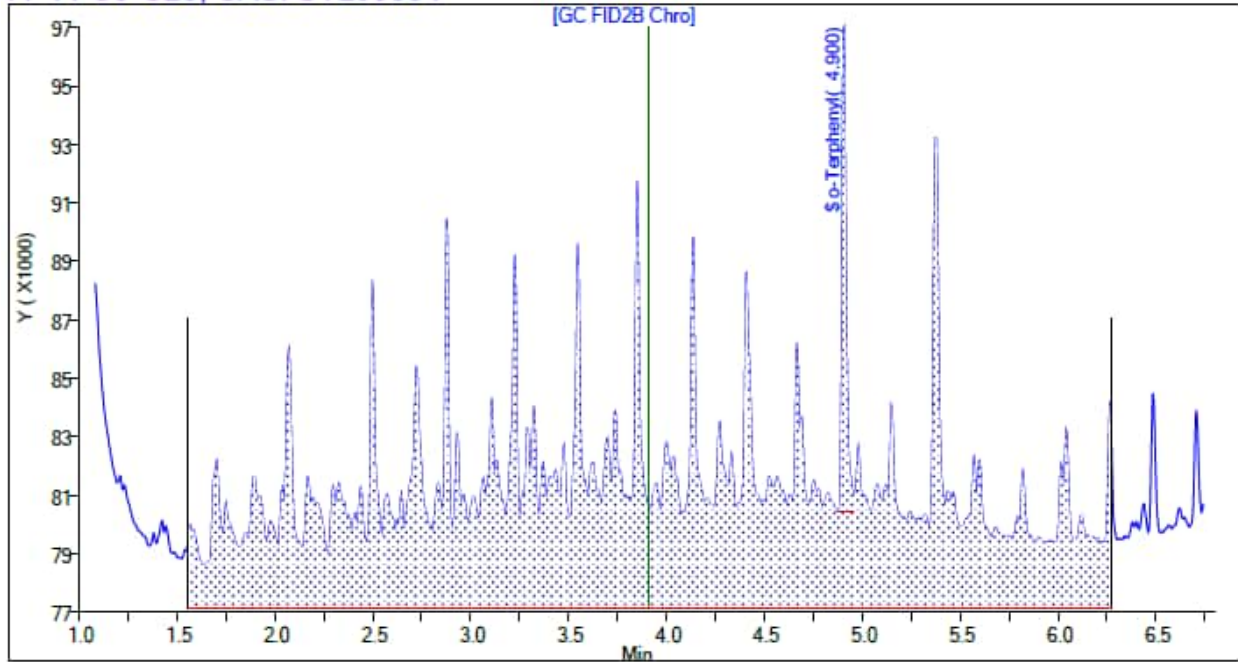
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



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

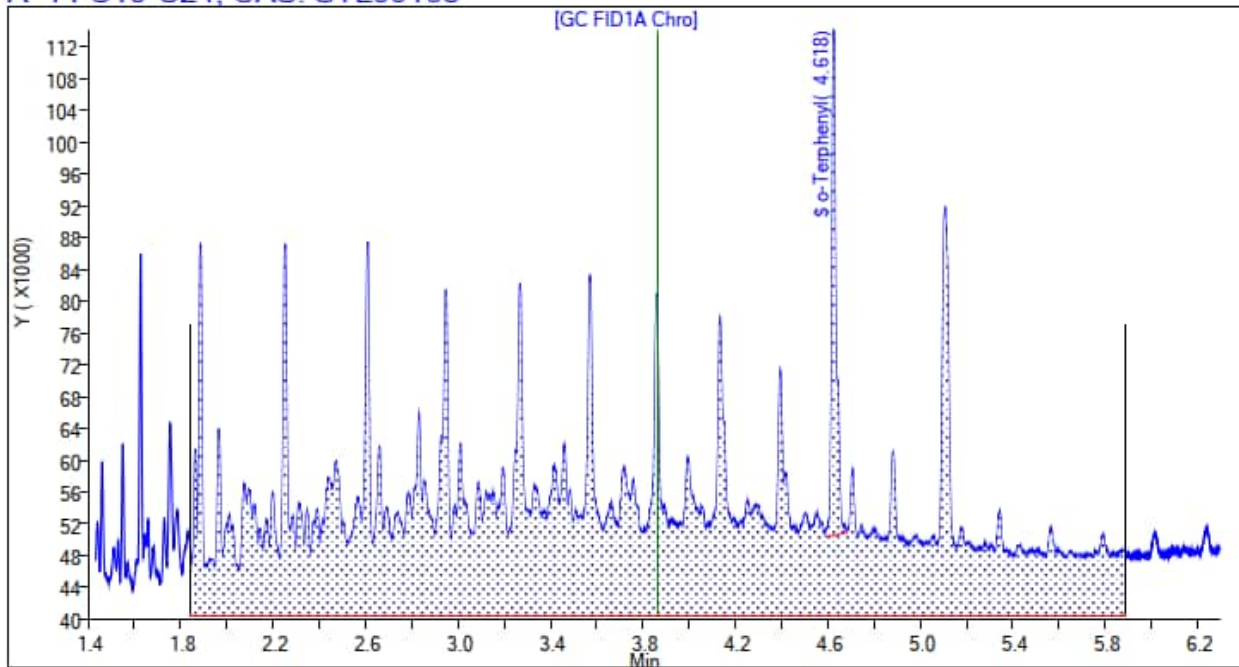
A 11 C9-C25, CAS: STL00354



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

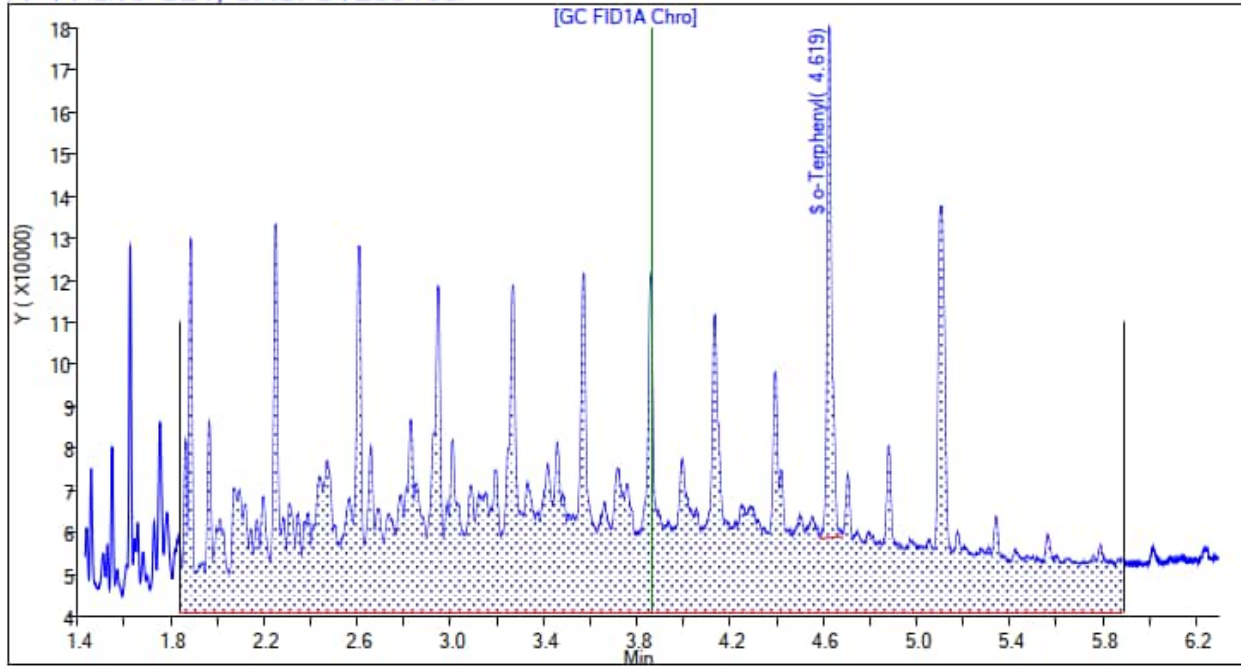
A 14 C10-C24, CAS: STL00163



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

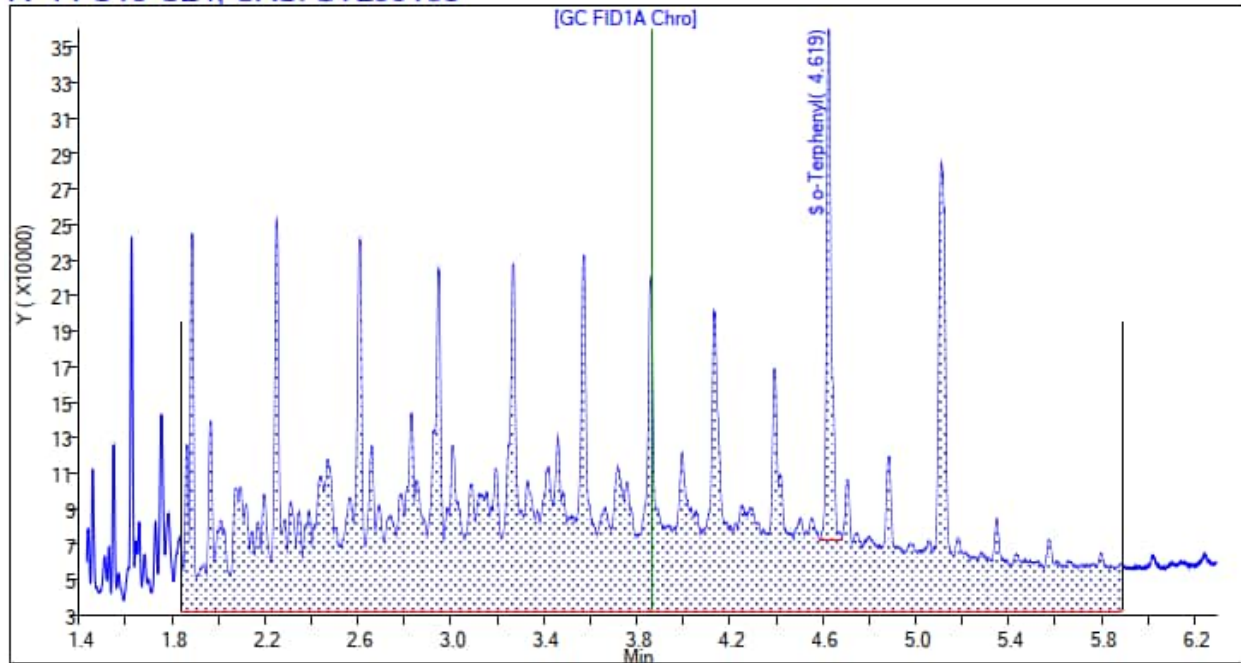
A 14 C10-C24, CAS: STL00163



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

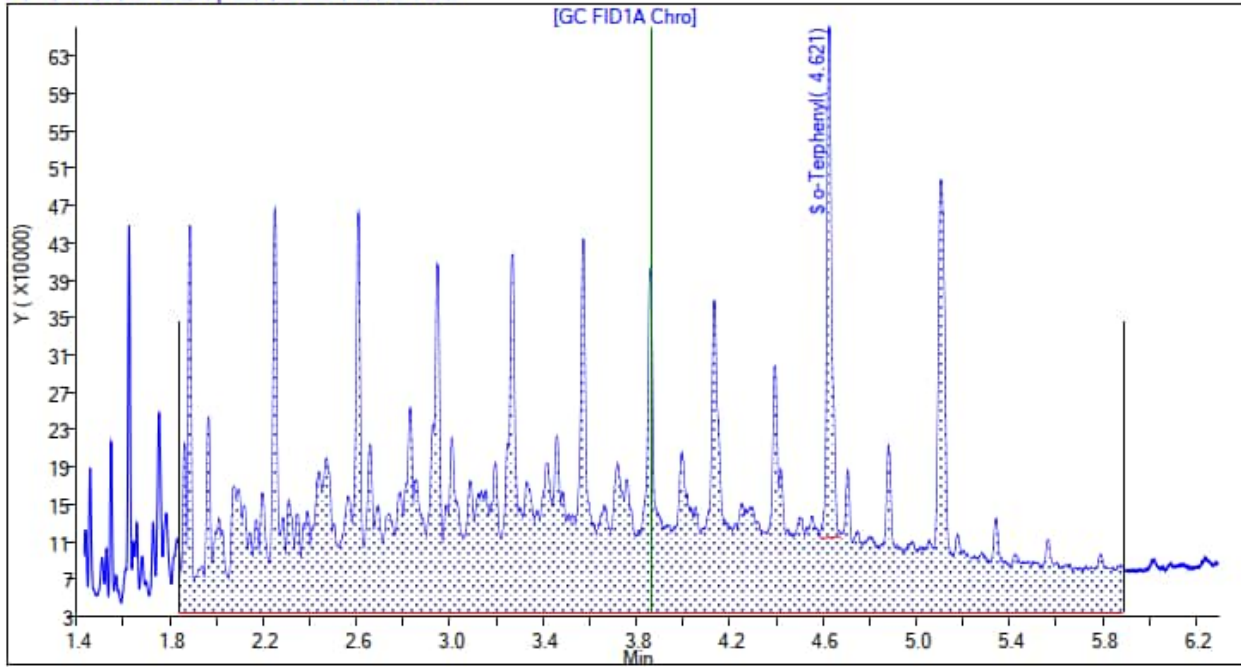
A 14 C10-C24, CAS: STL00163



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

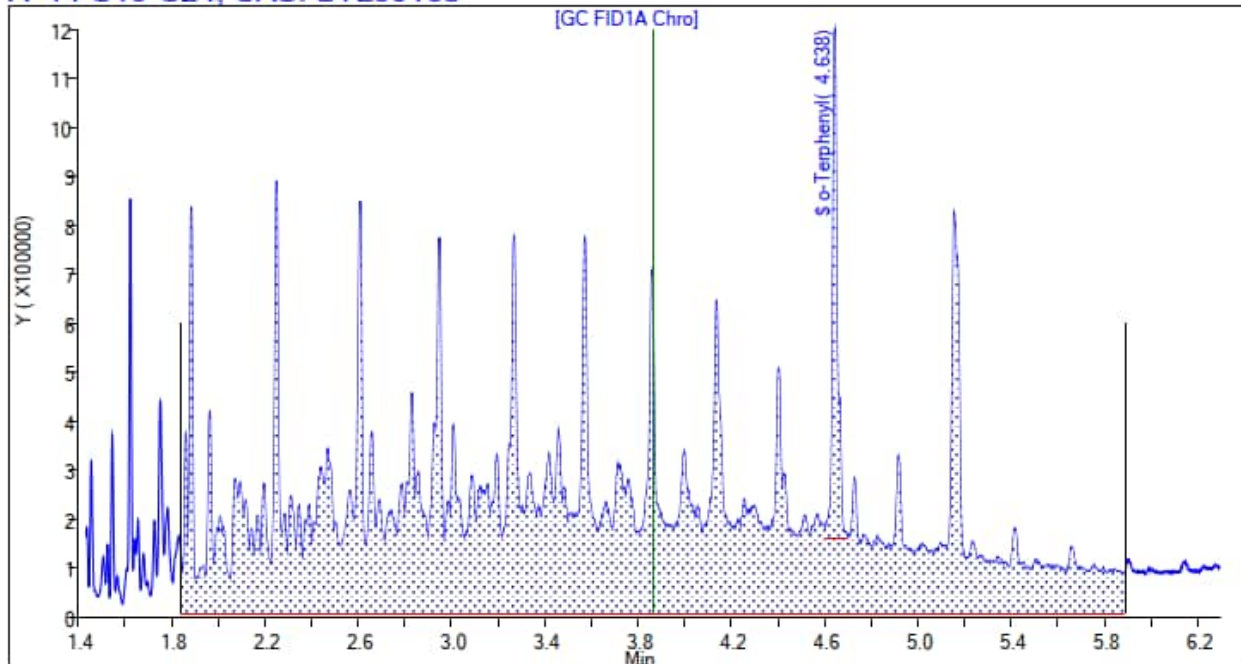
A 14 C10-C24, CAS: STL00163



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

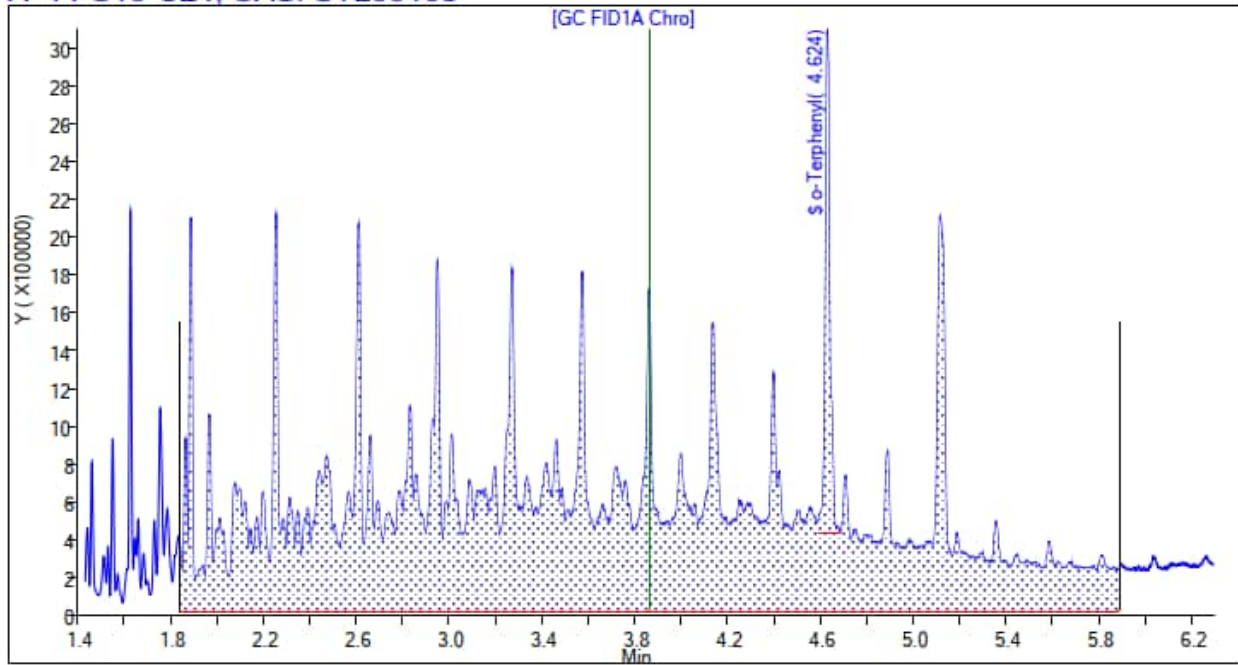
A 14 C10-C24, CAS: STL00163



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

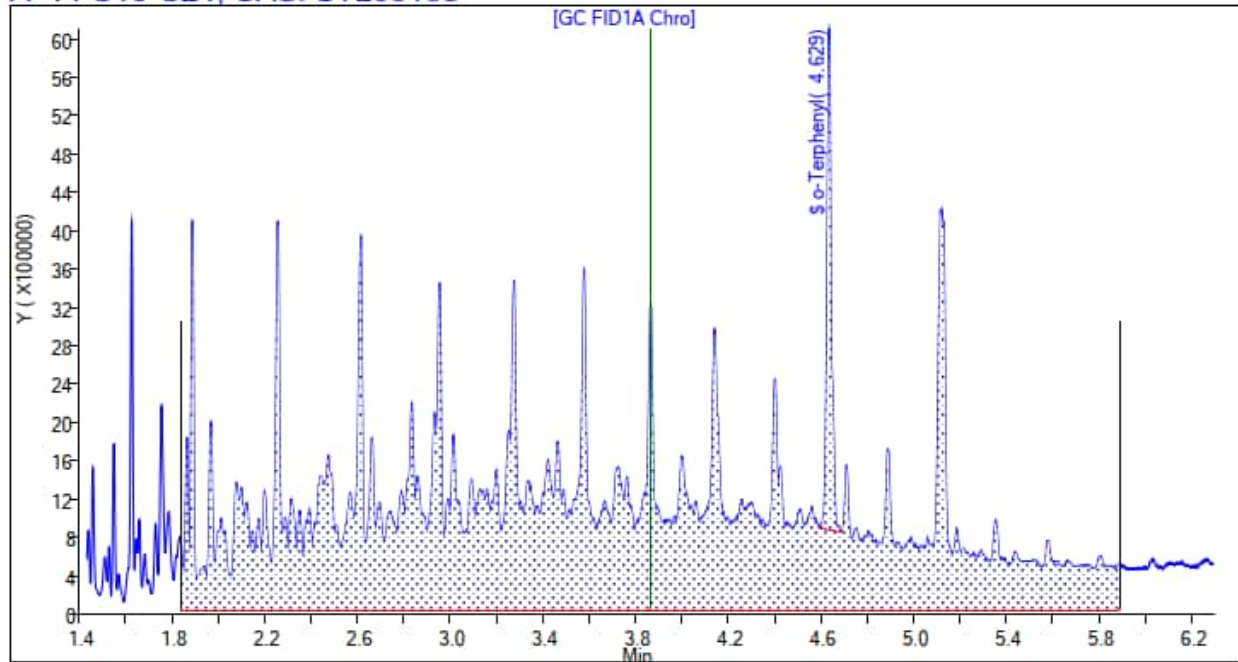
A 14 C10-C24, CAS: STL00163



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

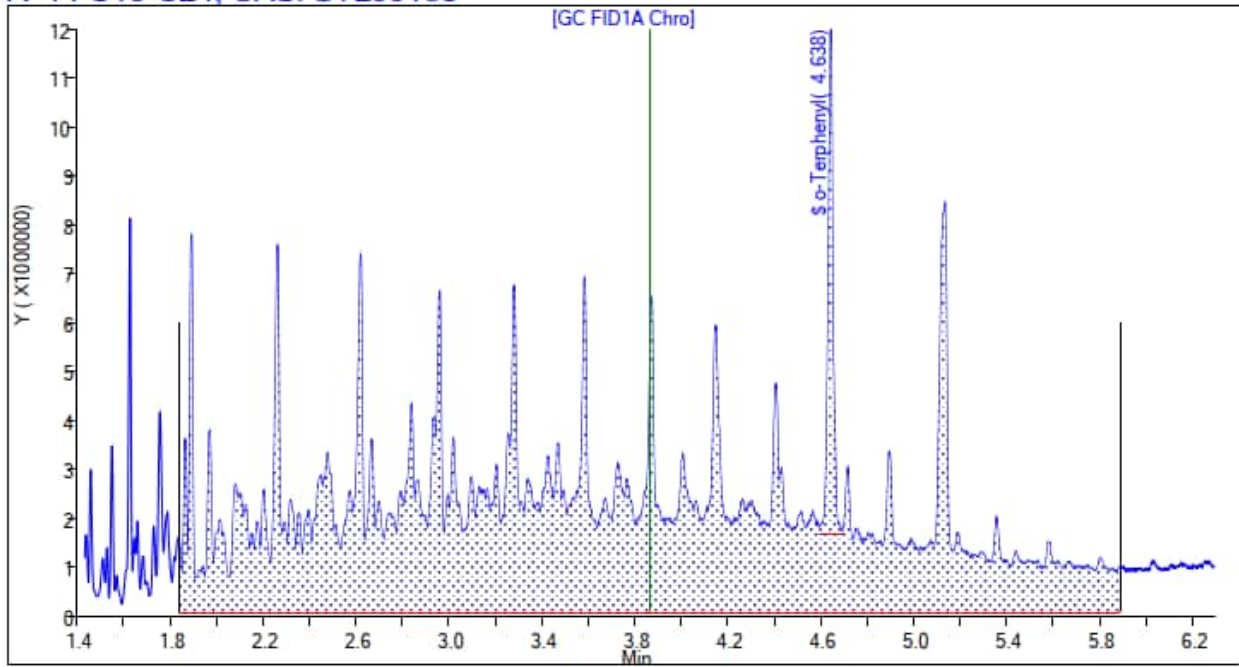
A 14 C10-C24, CAS: STL00163



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

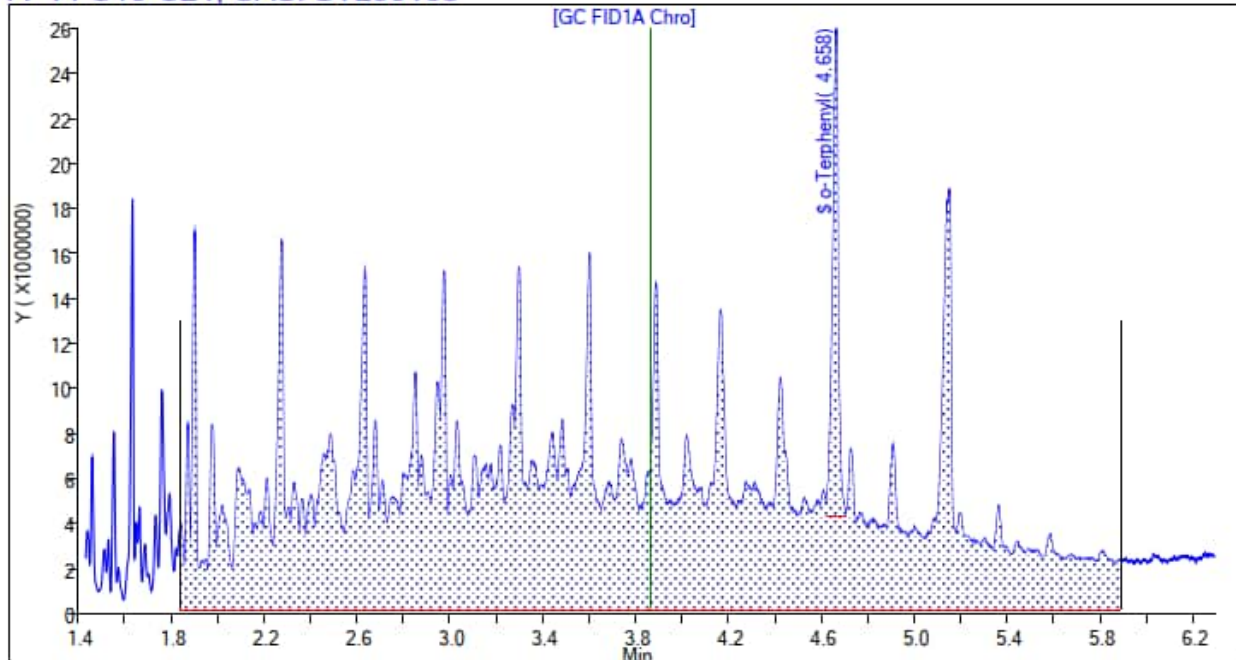
A 14 C10-C24, CAS: STL00163



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

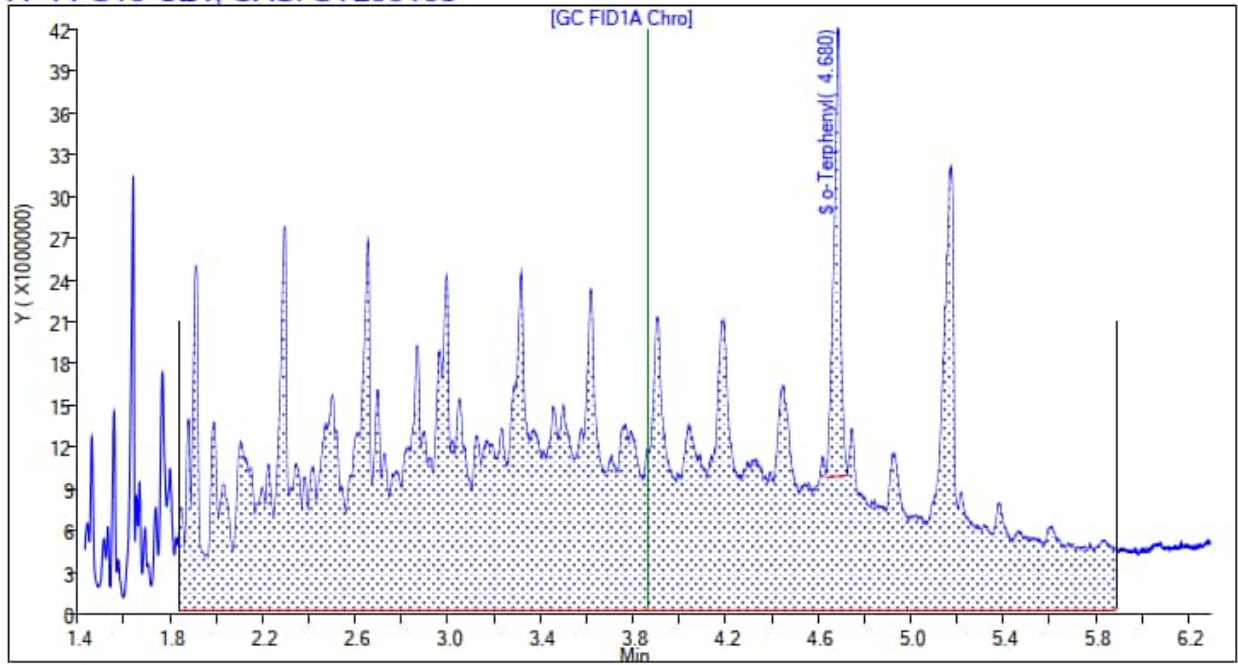
A 14 C10-C24, CAS: STL00163



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

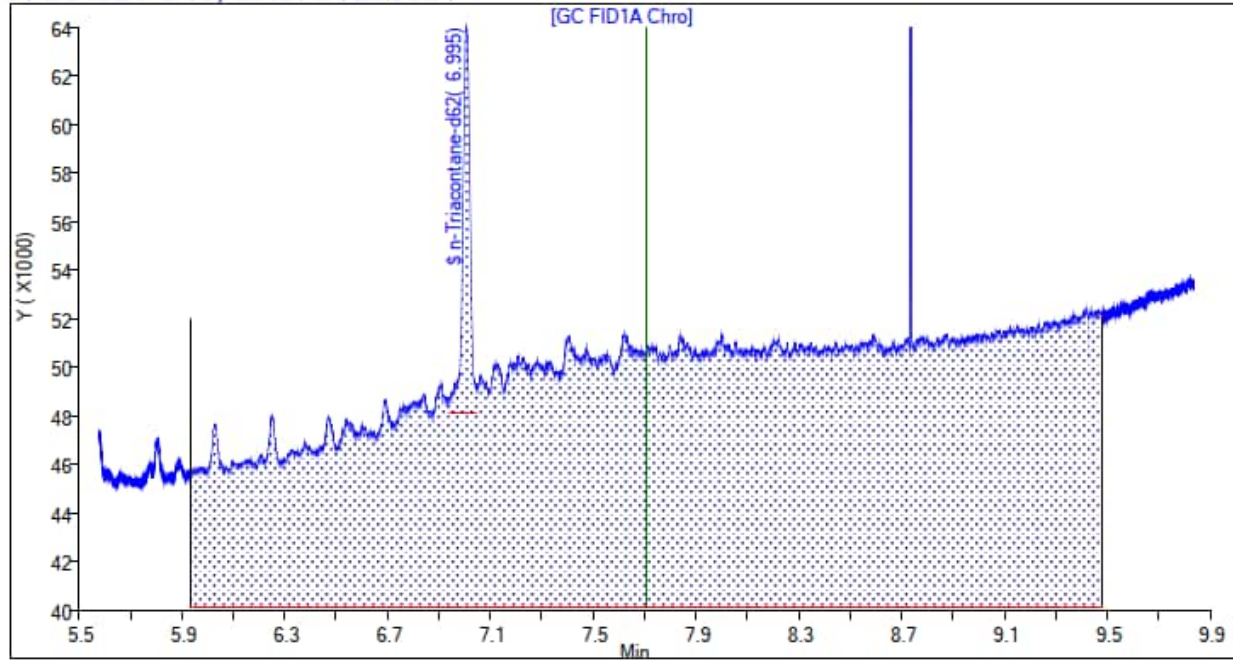
A 14 C10-C24, CAS: STL00163



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

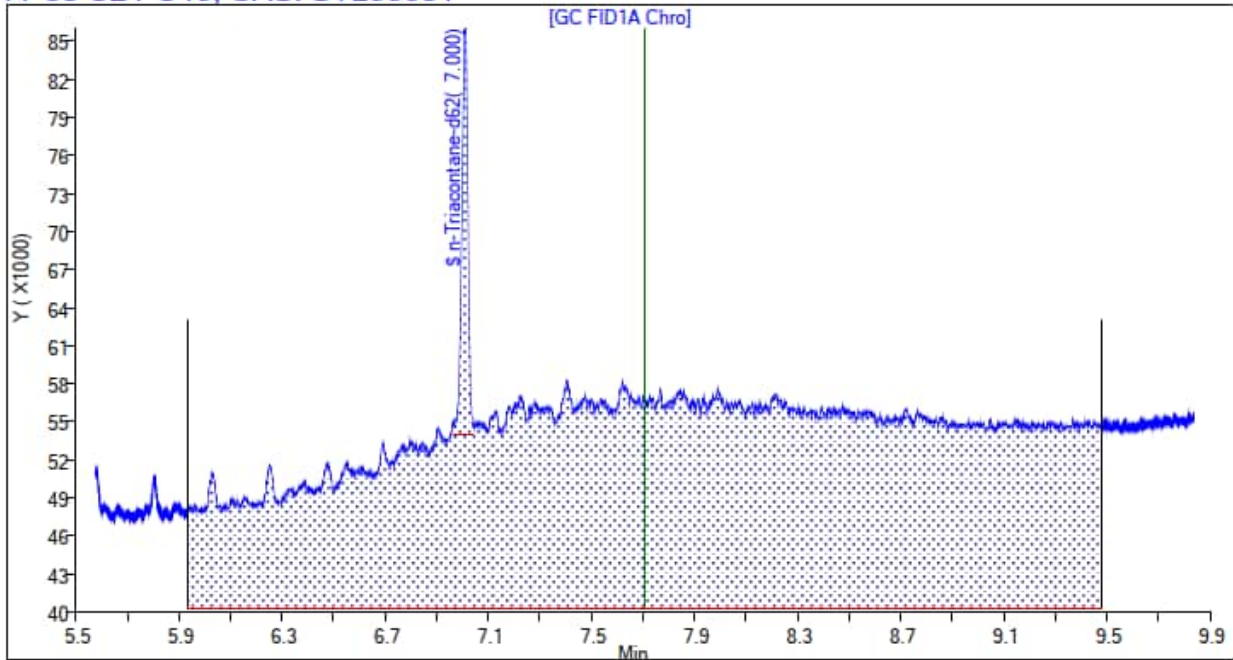
A 33 C24-C40, CAS: STL00631



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

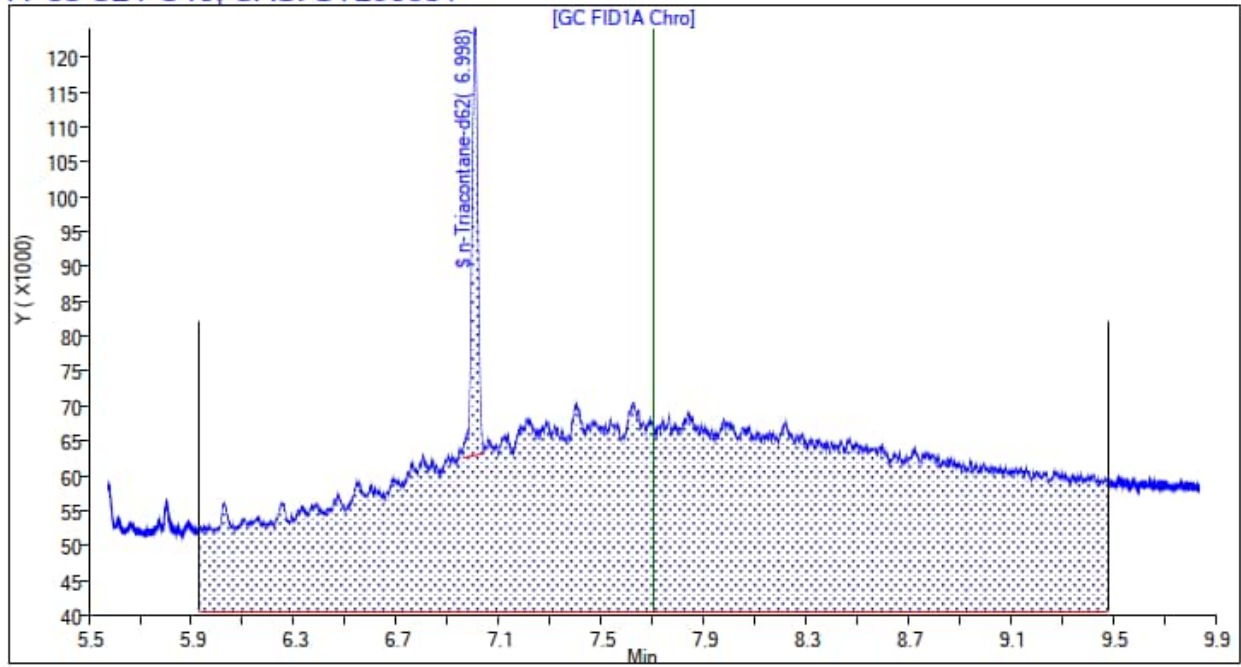
A 33 C24-C40, CAS: STL00631



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

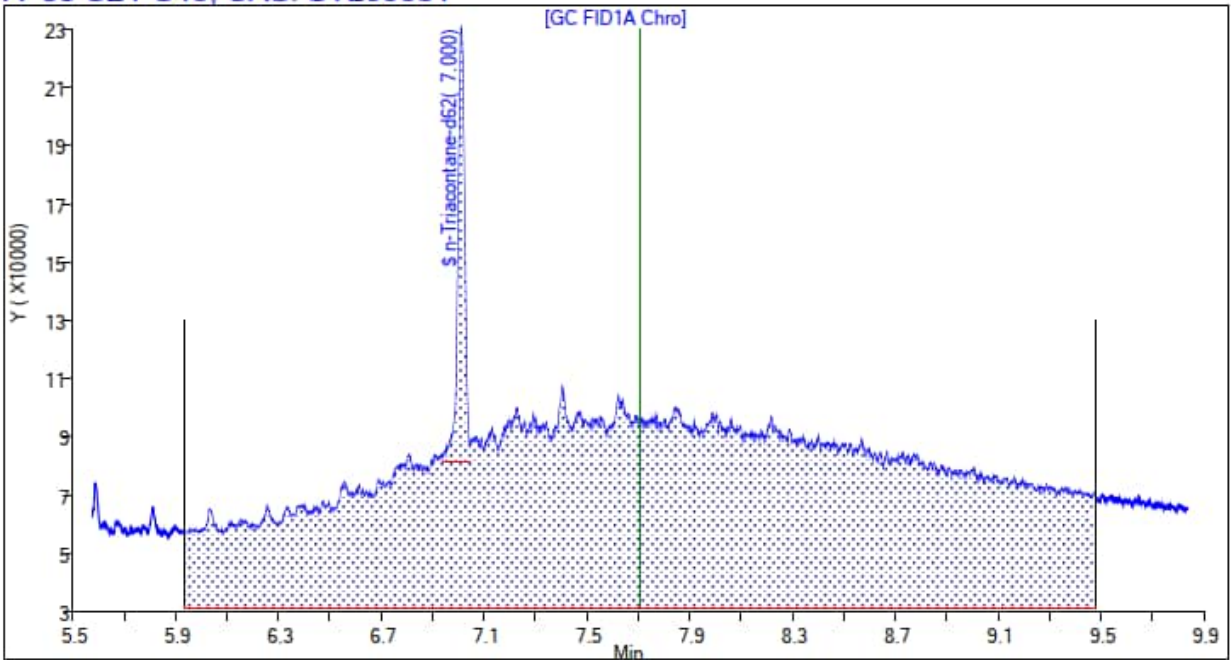
A 33 C24-C40, CAS: STL00631



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

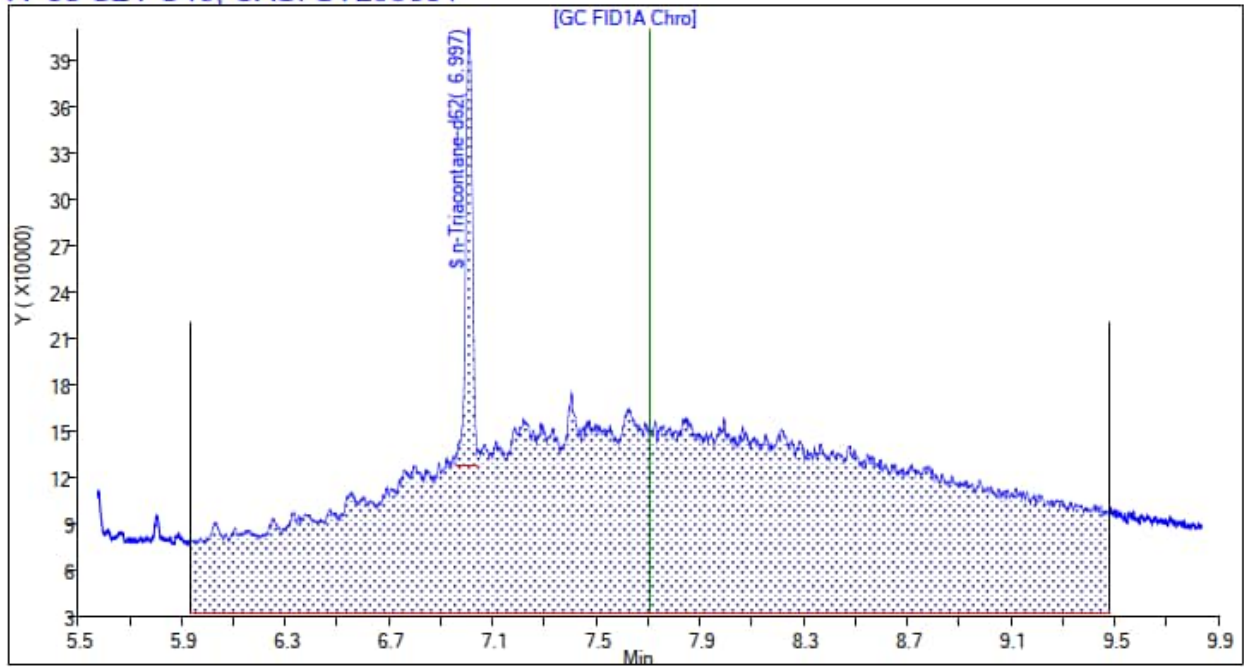
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 5), TPH-o 100.0 ng/ μ L

1/19/23 3:53 pm, Instrument ID: TAC020, SDG: 580-123713-1

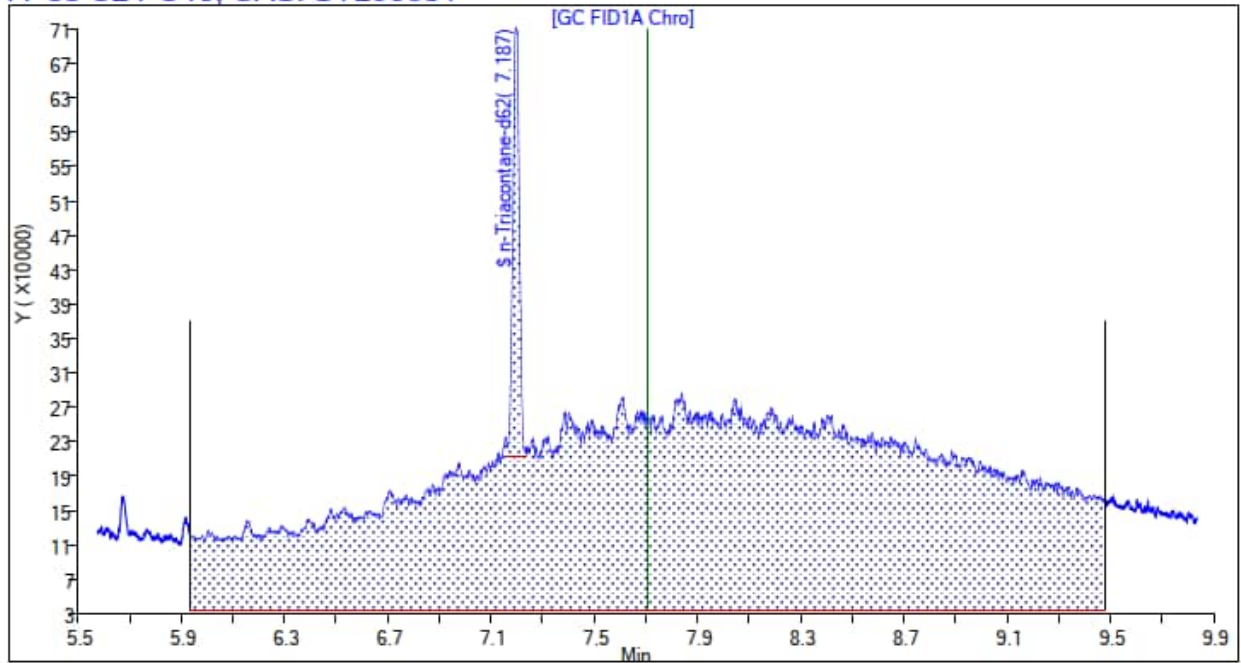
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 6), TPH-o 200.0 ng/ μ L

1/19/23 5:08 pm, Instrument ID: TAC020, SDG: 580-123713-1

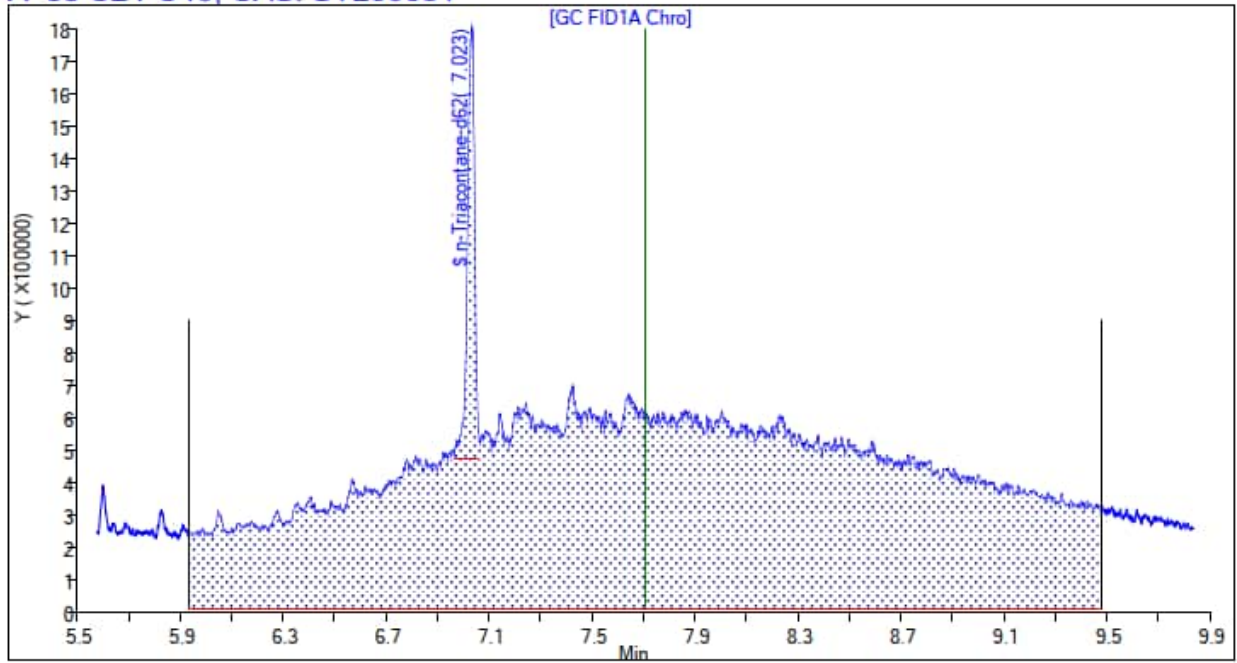
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 7), TPH-o 500.0 ng/ μ L

1/19/23 5:29 pm, Instrument ID: TAC020, SDG: 580-123713-1

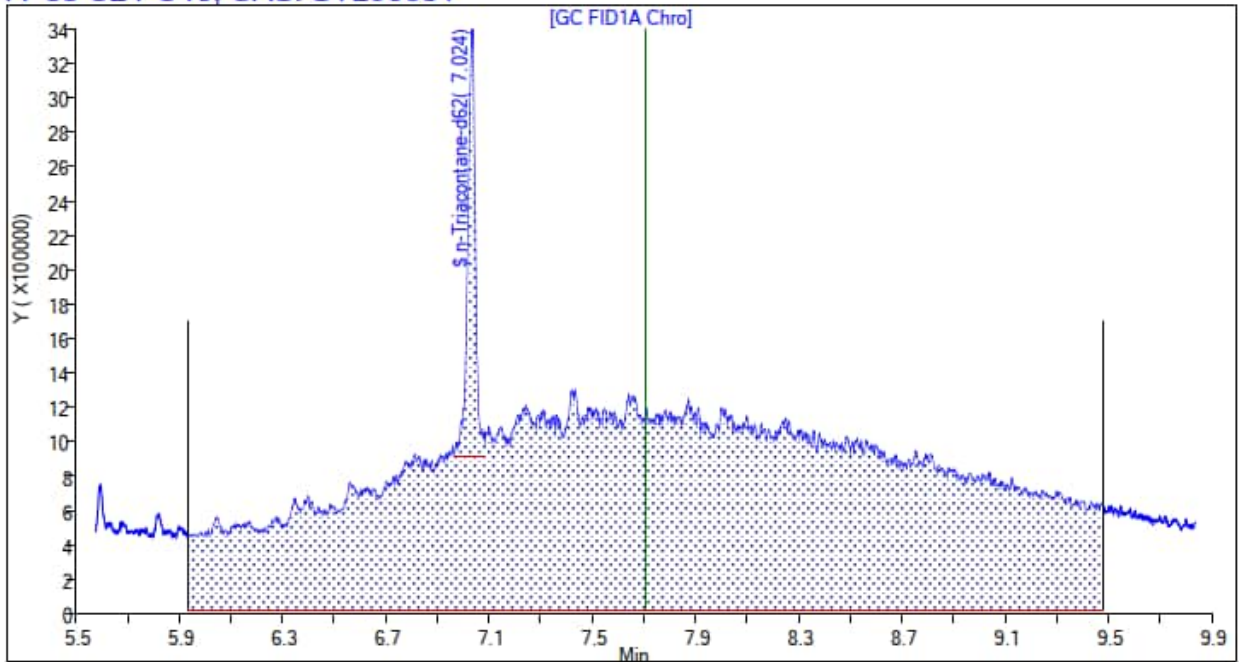
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 8), TPH-o 1000.0 ng/ μ L

1/19/23 5:49 pm, Instrument ID: TAC020, SDG: 580-123713-1

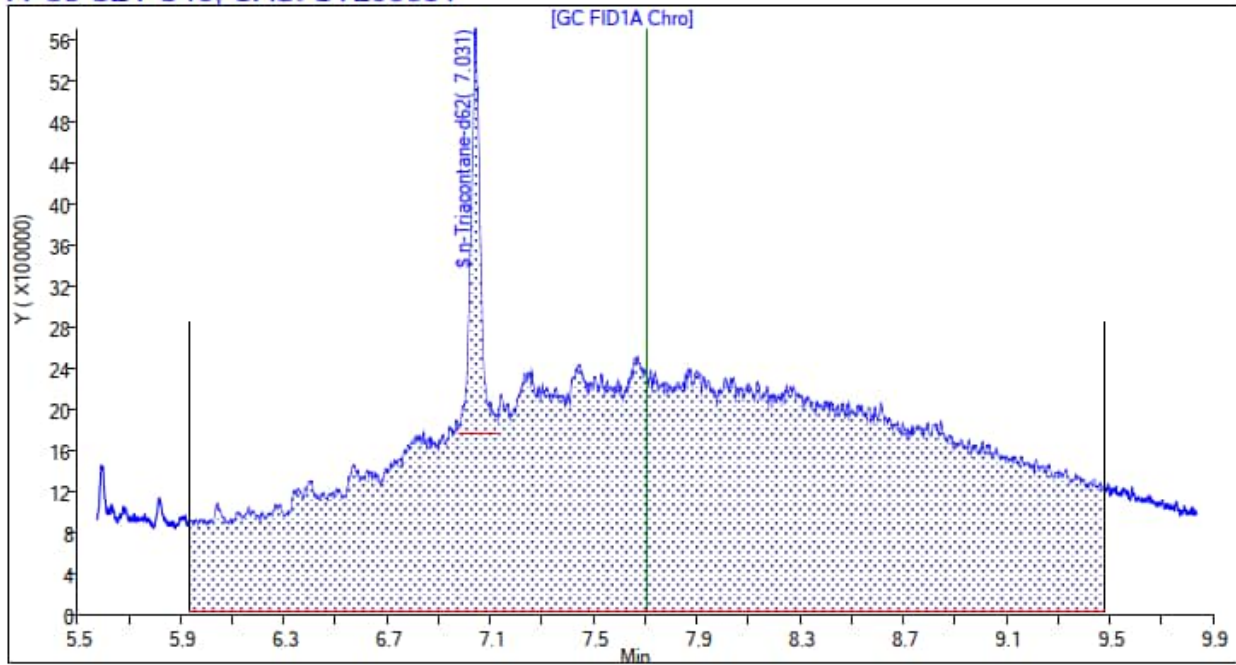
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 9), TPH-o 2000.0 ng/ μ L

1/19/23 6:09 pm, Instrument ID: TAC020, SDG: 580-123713-1

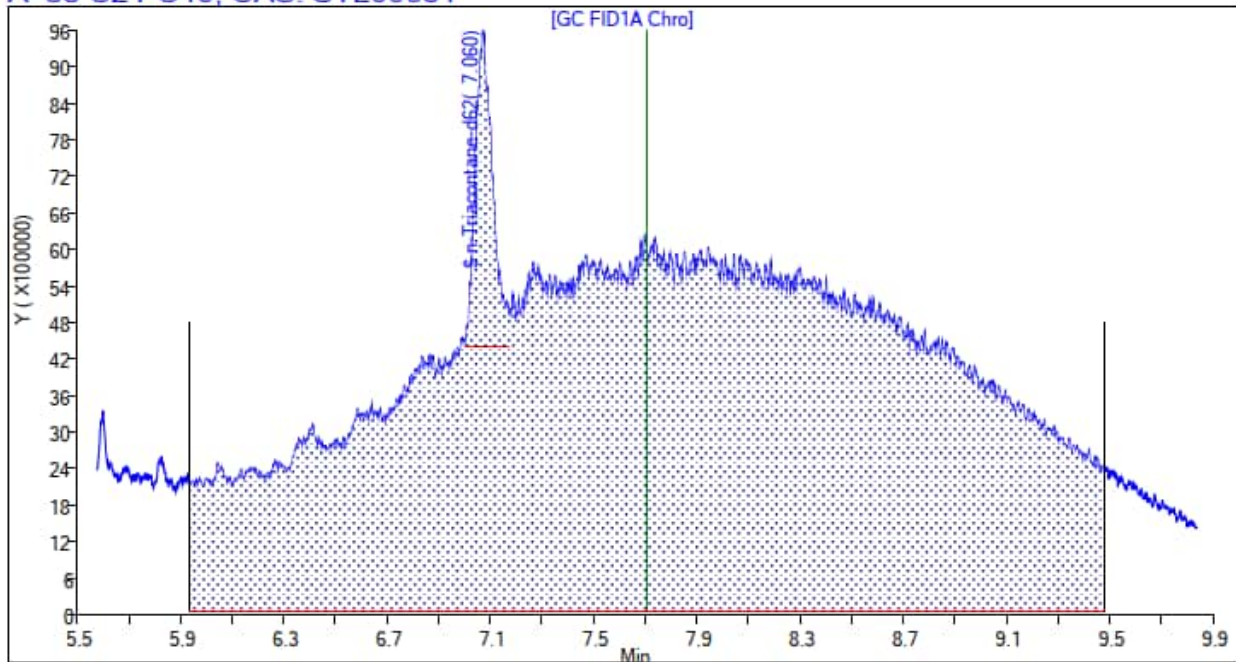
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 10), TPH-o 5000.0 ng/ μ L

1/19/23 6:29 pm, Instrument ID: TAC020, SDG: 580-123713-1

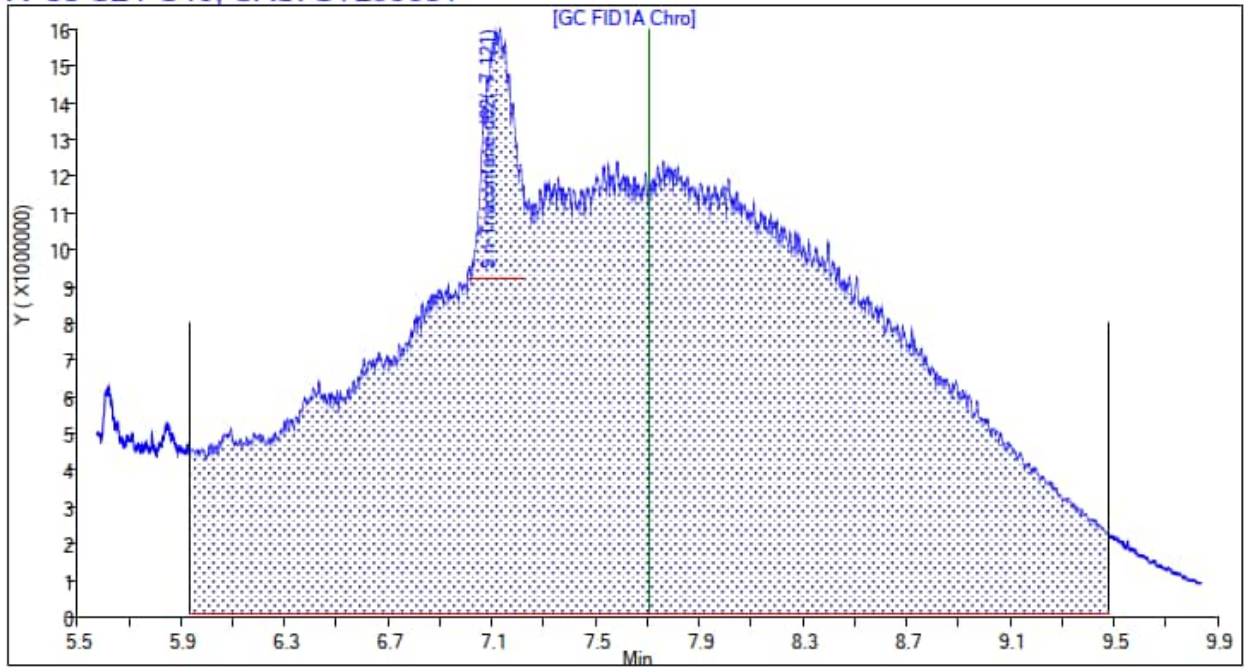
A 33 C24-C40, CAS: STL00631



Eurofins Seattle: Initial Calibration Standard (LVL 11), TPH-o 10,000 ng/ μ L

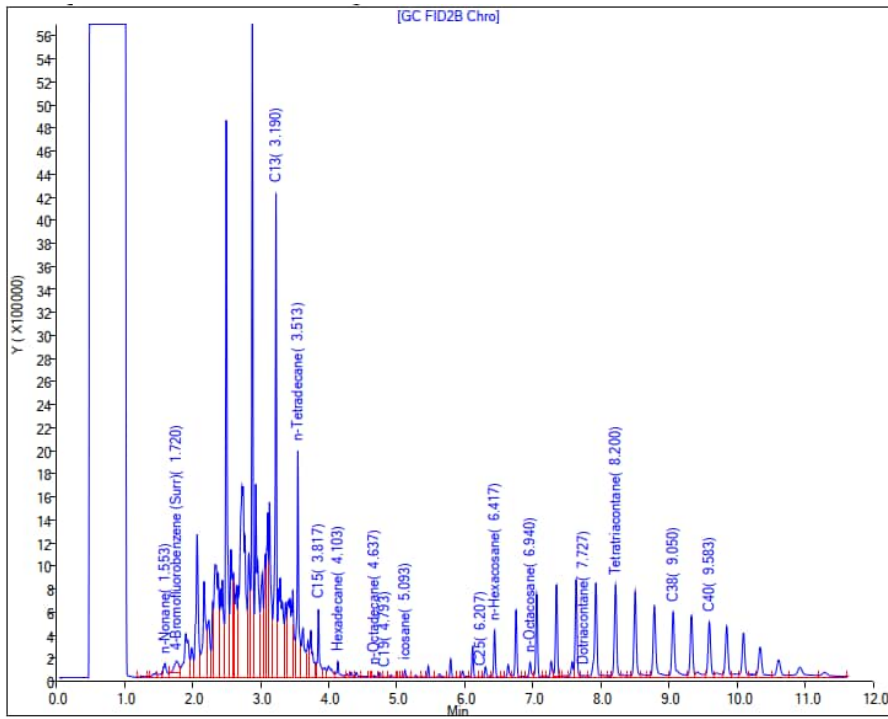
1/19/23 6:49 pm, Instrument ID: TAC020, SDG: 580-123713-1

A 33 C24-C40, CAS: STL00631



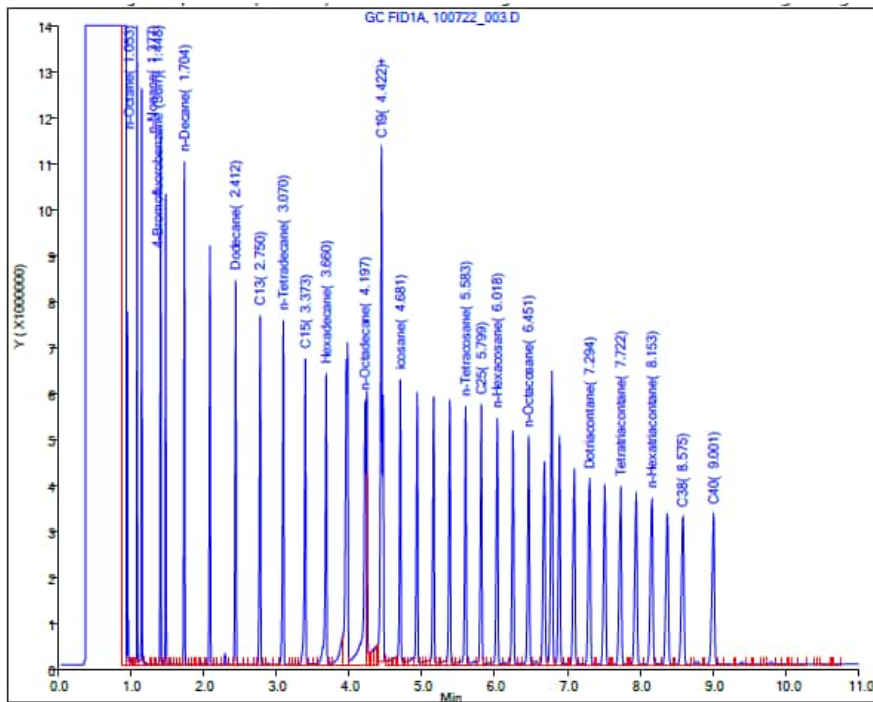
Eurofins Seattle: JP-5 Standard

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)	Weekly	2 months		
		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.

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.

Below-Tank Sampling Locations

- Laboratory Report, SDG 484955, Level 4
- Laboratory Report, SDG 487097, Level 4
- Laboratory Report, SDG 488416, Level 4

Adit 3 Tunnel Sampling Locations

- Laboratory Report, SDG 2303756AR1
- Laboratory Report, SDG 2303756BR1
- Laboratory Report, SDG 2303756CR1
- Laboratory Report, SDG 2303769R2
- Laboratory Report, SDG 2304616A
- Laboratory Report, SDG 2304616B
- Laboratory Report, SDG 2304616C
- Laboratory Report, SDG 2304494

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

Table D-1: NOI Wells Index of Analytical Laboratory Reports and Data Validation Reports, by Sample Collection Date (cont'd)

Sample Location Identifier	COC Identifier	SDG	Sample Collection Date	DVR	Laboratory	Level 2 Lab Report PDF	Level 4 Lab Report PDF	DVR PDF
RHMW2254-01	RHMW2254-01-WGN01B-2305WK1	580-126892-1	5/4/2023	5801268921_L2B	Eurofins Seattle	Laboratory Report, SDG 580-126892-1, Level 2, Revision 1	Laboratory Report, SDG 580-126892-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-126892-1
Week of 2023-05-08 to 2023-05-12								
RHMW04	RHMW04-WGN01B-2305WK2	580-127171-1	5/11/2023	5801271711_L2B	Eurofins Seattle	Laboratory Report, SDG 580-127171-1, Level 2	Laboratory Report, SDG 580-127171-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-127171-1
RHMW04	RHMW04-WGFD01B-2305WK2	580-127171-1	5/11/2023	5801271711_L2B	Eurofins Seattle	Laboratory Report, SDG 580-127171-1, Level 2	Laboratory Report, SDG 580-127171-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-127171-1
RHMW08	RHMW08-WGN01B-2305WK2	580-127171-1	5/11/2023	5801271711_L2B	Eurofins Seattle	Laboratory Report, SDG 580-127171-1, Level 2	Laboratory Report, SDG 580-127171-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-127171-1
RHMW15-05	RHMW15-05-WGN01G-2305WK2	580-127171-1	5/11/2023	5801271711_L2B	Eurofins Seattle	Laboratory Report, SDG 580-127171-1, Level 2	Laboratory Report, SDG 580-127171-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-127171-1
Week of 2023-05-14 to 2023-05-19								
RHMW05	RHMW05-WGN01B-2305WK3	580-127393-1	5/16/2023	580127393_L2B	Eurofins Seattle	Laboratory Report, SDG 580-127393-1, Level 2, Revision 1	Laboratory Report, SDG 580-127393-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-127393-1
RHMW03	RHMW03-WGN01B-2305WK3	580-127393-1	5/16/2023	580127393_L2B	Eurofins Seattle	Laboratory Report, SDG 580-127393-1, Level 2, Revision 1	Laboratory Report, SDG 580-127393-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-127393-1
RHMW14-03	RHMW14-03-WGN01G-2305WK3	580-127393-1	5/17/2023	580127393_L2B	Eurofins Seattle	Laboratory Report, SDG 580-127393-1, Level 2, Revision 1	Laboratory Report, SDG 580-127393-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-127393-1
OWDFMW05A	OWDFMW05A-WGN01LF-2305WK3	580-127393-1	5/17/2023	580127393_L2B	Eurofins Seattle	Laboratory Report, SDG 580-127393-1, Level 2, Revision 1	Laboratory Report, SDG 580-127393-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-127393-1
OWDFMW04A	OWDFMW04A-WGN01LF-2305WK3	580-127393-1	5/17/2023	580127393_L2B	Eurofins Seattle	Laboratory Report, SDG 580-127393-1, Level 2, Revision 1	Laboratory Report, SDG 580-127393-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-127393-1
OWDFMW04A	OWDFMW04A-WGFD01LF-2305WK3	580-127393-1	5/17/2023	580127393_L2B	Eurofins Seattle	Laboratory Report, SDG 580-127393-1, Level 2, Revision 1	Laboratory Report, SDG 580-127393-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-127393-1
RHMW11-05	RHMW11-05-WGN01G-2305WK3	580-127471-1	5/18/2023	5801274711_L2B	Eurofins Seattle	Laboratory Report, SDG 580-127471-1, Level 2	Laboratory Report, SDG 580-127471-1, Level 4, Revision 1	Data Validation Report, Level 2B, SDG 580-127471-1

Notes:
 COC = chain of custody
 DVR = data validation report
 Eurofins Seattle = Eurofins Laboratories, Seattle WA
 NOI = Notice of Interest
 SDG = sample delivery group

Table D-2: Delineation and Sentinel Wells Index of Analytical Laboratory Reports and Data Validation Reports, by Sample Collection Date (cont'd)

Sample Location Identifier	COC Identifier	SDG	Sample Collection Date	DVR	Laboratory	Level 2 Lab Report PDF	Level 4 Lab Report PDF	DVR PDF
FIELDQC	RHP03-WQTB01-2305WK3	580-127496-1	5/19/2023	Data Validation Report, Level S2BVEM, SDG 580-127496-1	Eurofins Seattle	J127496-1 UDS Level 2 Report Final Report.pdf	J127496-1 Std_Tal_L4 Final Report.pdf	Data Validation Report Level S2BVEM 580-127496-1.pdf
RHP04A	RHP04A-WGN01LF-2305WK3	580-127496-1	5/19/2023	Data Validation Report, Level S2BVEM, SDG 580-127496-1	Eurofins Seattle	J127496-1 UDS Level 2 Report Final Report.pdf	J127496-1 Std_Tal_L4 Final Report.pdf	Data Validation Report Level S2BVEM 580-127496-1.pdf
FIELDQC	RHP04A-WQTB01-2305WK3	580-127496-1	5/19/2023	Data Validation Report, Level S2BVEM, SDG 580-127496-1	Eurofins Seattle	J127496-1 UDS Level 2 Report Final Report.pdf	J127496-1 Std_Tal_L4 Final Report.pdf	Data Validation Report Level S2BVEM 580-127496-1.pdf
RHP04B	RHP04B-WGN01LF-2305WK3	580-127496-1	5/19/2023	Data Validation Report, Level S2BVEM, SDG 580-127496-1	Eurofins Seattle	J127496-1 UDS Level 2 Report Final Report.pdf	J127496-1 Std_Tal_L4 Final Report.pdf	Data Validation Report Level S2BVEM 580-127496-1.pdf
FIELDQC	RHP04B-WQTB01-2305WK3	580-127496-1	5/19/2023	Data Validation Report, Level S2BVEM, SDG 580-127496-1	Eurofins Seattle	J127496-1 UDS Level 2 Report Final Report.pdf	J127496-1 Std_Tal_L4 Final Report.pdf	Data Validation Report Level S2BVEM 580-127496-1.pdf
Week of 2023-05-21 to 2023-05-27								
NMW24	NMW24-WGN01LF-2305WK4	580-127616-1	5/24/2023	Data Validation Report, Level S2BVEM, SDG 580-127616-1	Eurofins Seattle	J127616-1 UDS Level 2 Report Final Report.pdf	J127616-1 Std_Tal_L4 Final Report.pdf	Data Validation Report Level S2BVEM 580-127616-1.pdf
FIELDQC	NMW24-WQTB01-2305WK4	580-127616-1	5/24/2023	Data Validation Report, Level S2BVEM, SDG 580-127616-1	Eurofins Seattle	J127616-1 UDS Level 2 Report Final Report.pdf	J127616-1 Std_Tal_L4 Final Report.pdf	Data Validation Report Level S2BVEM 580-127616-1.pdf
Week of 2023-05-28 to 2023-06-03								
NMW24	NMW24-WGFD01LF-2305WK5	580-127848-1	6/1/2023	Data Validation Report, Level S2BVEM, SDG 580-127848-1	Eurofins Seattle	J127848-1 UDS Level 2 Report Final Report.pdf	J127848-1 Std_Tal_L4 Final Report.pdf	Data Validation Report Level S2BVEM 580-127848-1.pdf
NMW24	NMW24-WGN01LF-2305WK5	580-127848-1	6/1/2023	Data Validation Report, Level S2BVEM, SDG 580-127848-1	Eurofins Seattle	J127848-1 UDS Level 2 Report Final Report.pdf	J127848-1 Std_Tal_L4 Final Report.pdf	Data Validation Report Level S2BVEM 580-127848-1.pdf
FIELDQC	NMW24-WQTB01-2305WK5	580-127848-1	6/1/2023	Data Validation Report, Level S2BVEM, SDG 580-127848-1	Eurofins Seattle	J127848-1 UDS Level 2 Report Final Report.pdf	J127848-1 Std_Tal_L4 Final Report.pdf	Data Validation Report Level S2BVEM 580-127848-1.pdf

Appendix E – EDMS Navigation

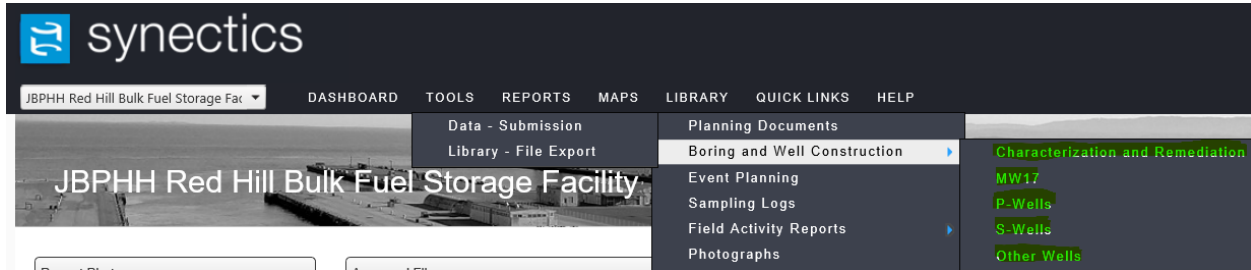
Detailed data referenced in this Quarterly RRR are provided in the JBPHH Red Hill Bulk Fuel Storage Facility Environmental Data Management System (EDMS) at <https://synectics.net>.

Navigation tips for accessing the following data are provided below:

- Boring and well construction logs
- Groundwater quality parameter data
- Characterization and remediation data
- Characterization and remediation analytical laboratory reports
- Soil vapor analytical laboratory reports – below-tank sampling locations
- Soil vapor analytical laboratory reports – Adit 3 Tunnel sampling locations
- Groundwater analytical laboratory reports
- Data validation reports
- Data validation qualifier tables
- Environmental data report tables

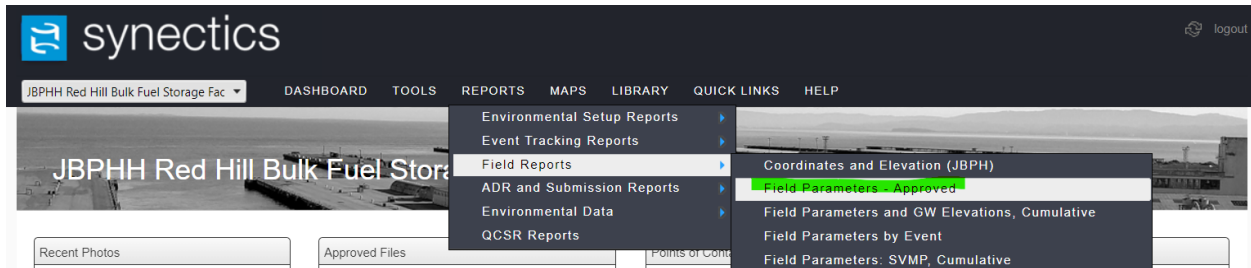
Boring and Well Construction Logs. Approved boring and well construction logs can be accessed through Library → Boring and Well Construction:

- Boring and Well Construction Subcategories: Characterization and Remediation, MW17 (RHMW17), P-Wells (Delineation), S-Wells (Sentinel), and Other Wells (NOI and GW LTM).

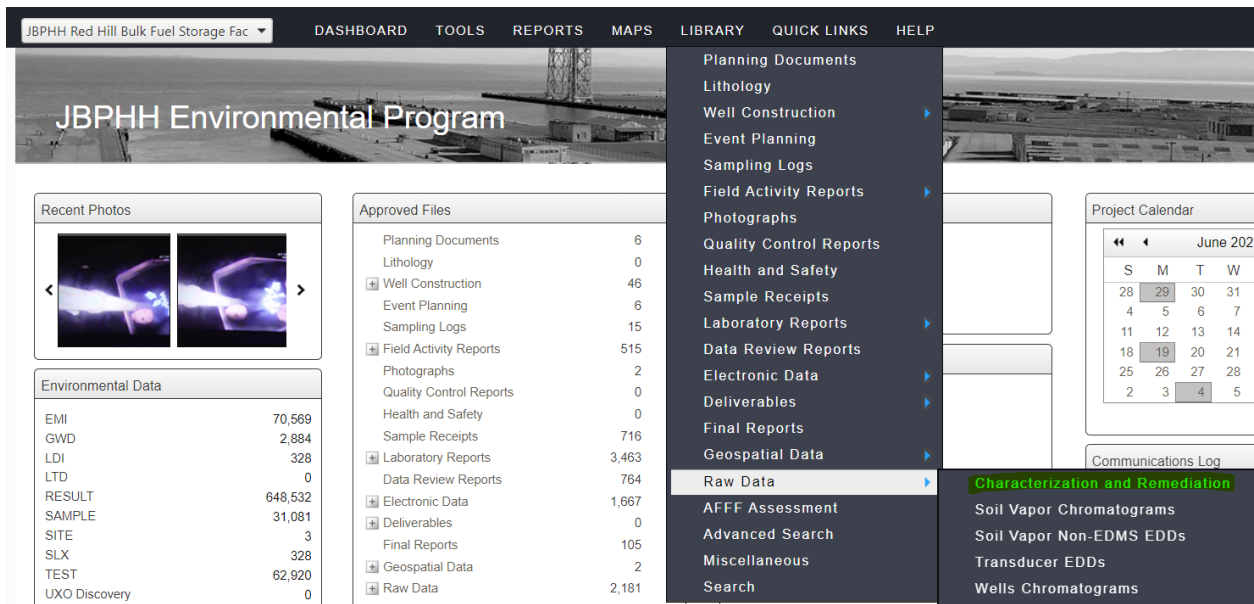


Groundwater Quality Parameter Data. Approved groundwater quality parameter data can be accessed through Reports → Field Reports → Field Parameters – Approved:

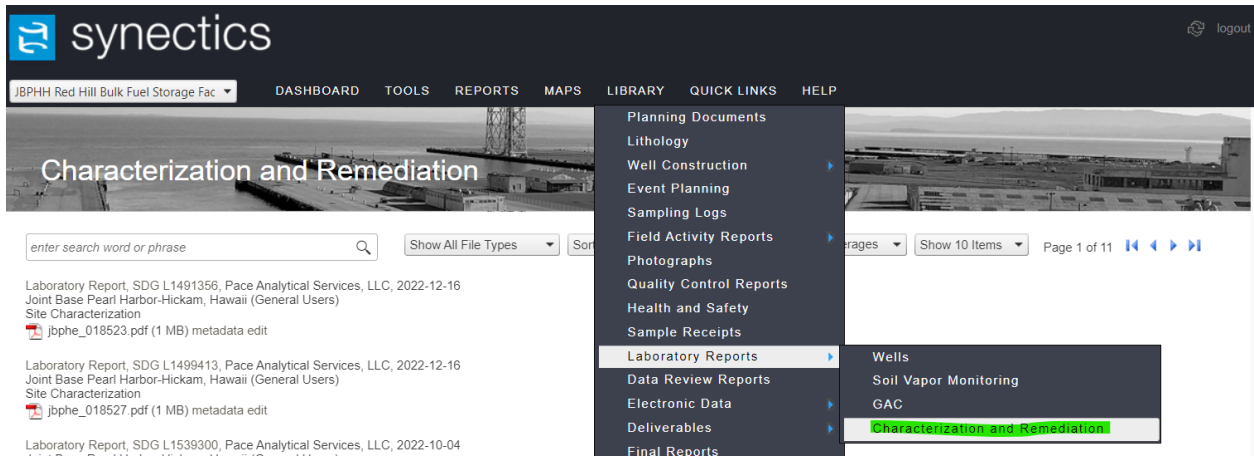
- NOI data are stored under RHS Recovery and Monitoring.
- Delineation and Sentinel Well data are stored under JBPHH Site Characterization.
- Consolidated Groundwater Program data are stored under RH Consolidated Groundwater Program.



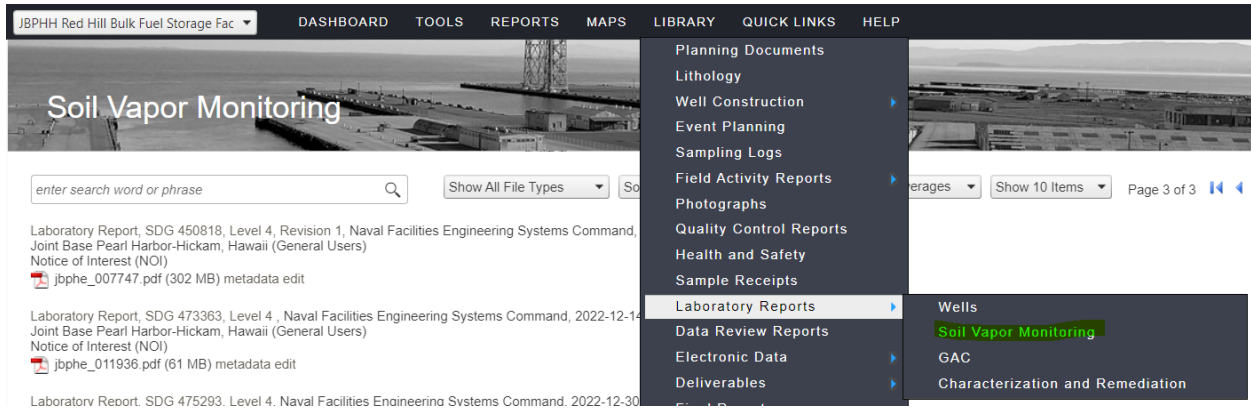
Characterization and Remediation Data. Approved characterization and remediation raw data can be accessed through Library → Raw Data → Characterization and Remediation.



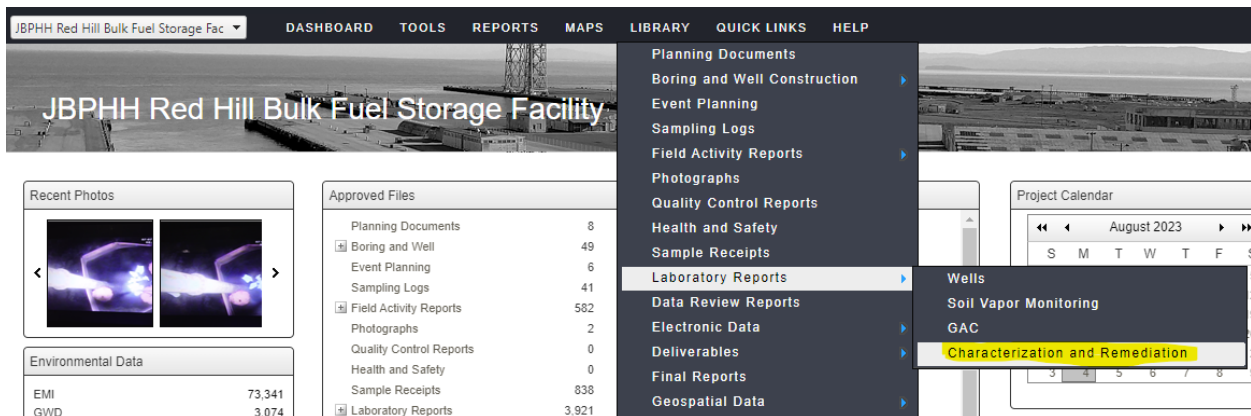
Characterization and Remediation Analytical Laboratory Reports. Approved characterization analytical laboratory reports can be accessed through Library → Laboratory Reports → Characterization and Remediation.



Soil Vapor Analytical Laboratory Reports – Below Tank Sampling Locations. Approved soil vapor monitoring analytical laboratory reports for below tank locations can be accessed through Library → Laboratory Reports → Soil Vapor Monitoring.

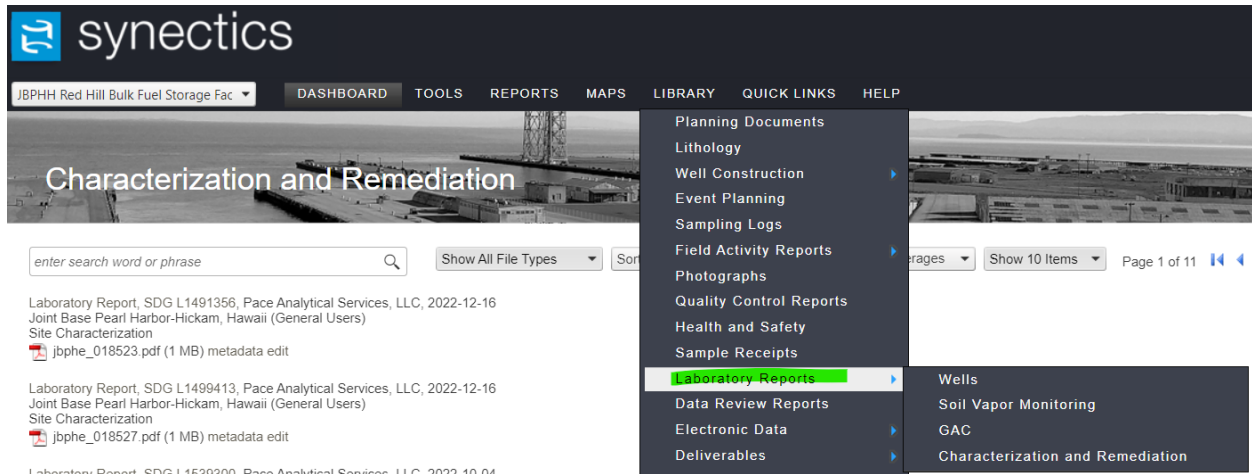


Soil Vapor Analytical Laboratory Reports – Adit 3 Tunnel Sampling Locations. Approved soil vapor monitoring analytical laboratory reports for Adit 3 Tunnel sampling locations can be accessed through Library → Laboratory Reports → Characterization and Remediation.



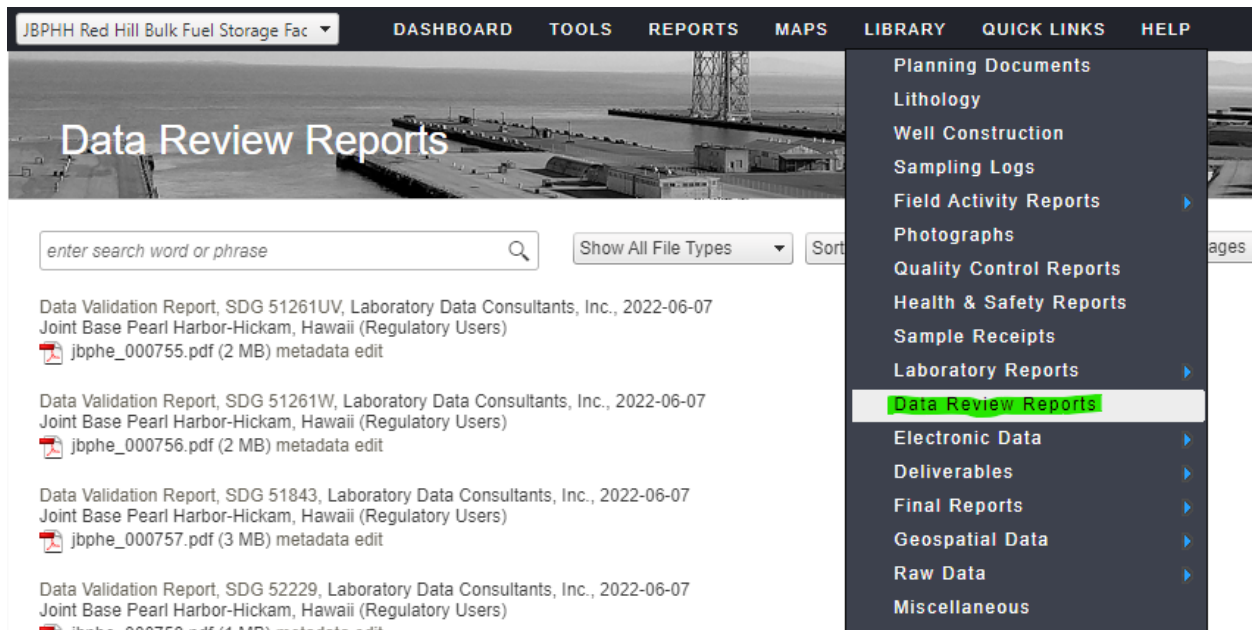
Groundwater Analytical Laboratory Reports. Approved groundwater monitoring analytical laboratory reports can be accessed through Library → Laboratory Reports:

- Laboratory Reports Subcategories: Wells → Coverage for Level 2 and Level 4 laboratory reports are Notice of Interest (NOI), P-Wells (Delineation), S-Wells (Sentinel), Groundwater LTM, and Consolidated Groundwater Program.



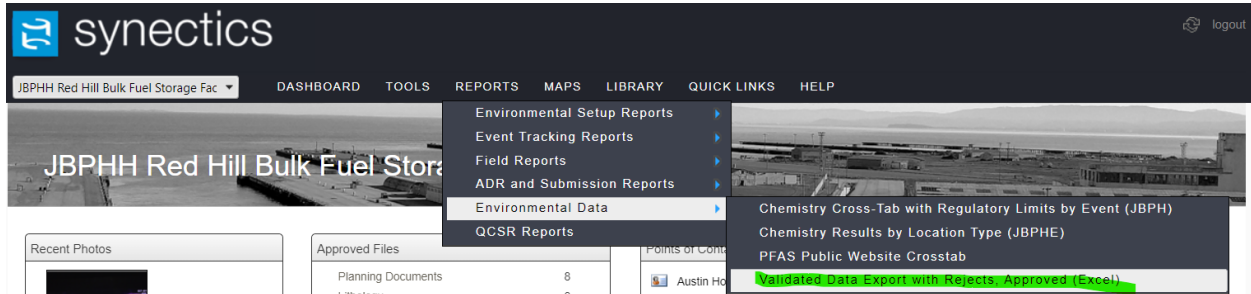
Data Validation Reports. Data validation reports can be accessed through Library → Data Review Reports:

- Coverage for data validation reports are Notice of Interest (NOI), P-Wells (Delineation), S-Wells (Sentinel), Groundwater LTM, and Consolidated Groundwater Program.



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.
- Delineation and Sentinel Well data are stored under JBPHH Site Characterization.
- Consolidated Groundwater Program data are stored under RH Consolidated Groundwater Program.



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 (JPBH) or Chemistry Results by Location Type (JBPHE).

- Characterization and Remediation data are stored under JBPHH Site Characterization, and event(s) of interest can be selected from the drop-down menu.

