

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Erwin Kawata
City & County of Honolulu
630 South Beretania Street
Public Service Bldg. Room 310
Honolulu, Hawaii 96843

Generated 6/15/2026 4:54:45 PM

JOB DESCRIPTION

INTERA - Red-Hill-Incident
Site S1 625.1, 8015B_DRO/_GRO, 8260B

JOB NUMBER

380-215489-1

Eurofins Pomona

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater West, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



Authorized for release by
Maria Lopez, Project Manager
Maria.Lopez@et.eurofinsus.com
(626)386-1100

Generated
6/15/2026 4:54:45 PM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	7
Client Sample Results	8
Action Limit Summary	13
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	25
Lab Chronicle	26
Certification Summary	27
Method Summary	28
Sample Summary	29
Chain of Custody	30
Receipt Checklists	32



Definitions/Glossary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Qualifiers

GC/MS VOA

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: City & County of Honolulu
Project: INTERA - Red-Hill-Incident

Job ID: 380-215489-1

Job ID: 380-215489-1

Eurofins Pomona

Job Narrative 380-215489-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 5/21/2026 10:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C.

GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 570-746919. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 570-746919 recovered outside control limits for the following analytes: 1,2-Dibromoethane, 2-Hexanone, Di-isopropyl ether and 2-Butanone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 570-746919 recovered above the upper control limit for 2-Butanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: BWS2153-S1-AQ (380-215489-1), BWS2153-S1-TB (380-215489-2) and (CCVIS 570-746919/3).

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-747849. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

GC/MS Semi VOA

Method 625.1: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-748707.

Method 625.1: The surrogate recovery for the blank associated with preparation batch 570-748707 and analytical batch 570-751313 was outside the control limits.

The associated sample surrogates were within limits and target analytes were non detected.

Method 625.1 SIM: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-748707.

Method 625.1, 625.1 SIM: The following sample was prepared outside of preparation holding time due to sample requested after hold time BWS2153-S1-AQ (380-215489-1). Due to the sample for 625.1 and 625.1 SIM missing the holding time, the data was excluded. A follow up sample was collected on 06/03/26 under job # 380-217867-1. Analysis for 625.1 and 625.1 SIM is currently in progress. (XWB4)

Gasoline Range Organics

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

Diesel Range Organics

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

Eurofins Pomona

Case Narrative

Client: City & County of Honolulu
Project: INTERA - Red-Hill-Incident

Job ID: 380-215489-1

Job ID: 380-215489-1 (Continued)

Eurofins Pomona

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Eurofins Pomona

Detection Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2153-S1-AQ

Lab Sample ID: 380-215489-1

☐ No Detections.

Client Sample ID: BWS2153-S1-TB

Lab Sample ID: 380-215489-2

☐ No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pomona

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Client Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2153-S1-AQ

Lab Sample ID: 380-215489-1

Date Collected: 05/20/26 09:00

Matrix: Water

Date Received: 05/21/26 10:05

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.0		2.0	ug/L			06/01/26 11:51	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			06/01/26 11:51	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			06/01/26 11:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			06/01/26 11:51	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			06/01/26 11:51	1
1,1-Dichloroethane	<1.0		1.0	ug/L			06/01/26 11:51	1
1,1-Dichloroethene	<1.0		1.0	ug/L			06/01/26 11:51	1
1,1-Dichloropropene	<1.0		1.0	ug/L			06/01/26 11:51	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			06/01/26 11:51	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			06/01/26 11:51	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
1,2-Dichloroethane	<0.50		0.50	ug/L			06/01/26 11:51	1
1,2-Dichloropropane	<1.0		1.0	ug/L			06/01/26 11:51	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
1,3-Dichloropropane	<1.0		1.0	ug/L			06/01/26 11:51	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
2,2-Dichloropropane	<1.0		1.0	ug/L			06/01/26 11:51	1
2-Butanone	<10	+	10	ug/L			06/01/26 11:51	1
2-Chlorotoluene	<1.0		1.0	ug/L			06/01/26 11:51	1
2-Hexanone	<10	+	10	ug/L			06/01/26 11:51	1
4-Chlorotoluene	<1.0		1.0	ug/L			06/01/26 11:51	1
Acetone	<10		10	ug/L			06/01/26 11:51	1
Benzene	<0.50		0.50	ug/L			06/01/26 11:51	1
Bromobenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
Bromochloromethane	<2.0		2.0	ug/L			06/01/26 11:51	1
Bromodichloromethane	<1.0		1.0	ug/L			06/01/26 11:51	1
Bromoform	<5.0		5.0	ug/L			06/01/26 11:51	1
Bromomethane	<10		10	ug/L			06/01/26 11:51	1
Carbon disulfide	<10		10	ug/L			06/01/26 11:51	1
Carbon tetrachloride	<0.50		0.50	ug/L			06/01/26 11:51	1
Chlorobenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
Chloroethane	<5.0		5.0	ug/L			06/01/26 11:51	1
Chloroform	<1.0		1.0	ug/L			06/01/26 11:51	1
Chloromethane	<10		10	ug/L			06/01/26 11:51	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			06/01/26 11:51	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			06/01/26 11:51	1
Dibromochloromethane	<2.0		2.0	ug/L			06/01/26 11:51	1
Dibromomethane	<1.0		1.0	ug/L			06/01/26 11:51	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			06/01/26 11:51	1
Diethyl ether	<10		10	ug/L			06/01/26 11:51	1
Di-isopropyl ether (DIPE)	<2.0	+	2.0	ug/L			06/01/26 11:51	1
Ethanol	<100		100	ug/L			06/01/26 11:51	1
Ethylbenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
Ethylene Dibromide	<1.0	+	1.0	ug/L			06/01/26 11:51	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			06/01/26 11:51	1

Eurofins Pomona

Client Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2153-S1-AQ

Lab Sample ID: 380-215489-1

Date Collected: 05/20/26 09:00

Matrix: Water

Date Received: 05/21/26 10:05

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloro-1,3-butadiene	<10		10	ug/L			06/01/26 11:51	1
Hexane	<5.0		5.0	ug/L			06/01/26 11:51	1
Isopropanol	<75		75	ug/L			06/01/26 11:51	1
Isopropylbenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
m,p-Xylene	<2.0		2.0	ug/L			06/01/26 11:51	1
Methylene Chloride	<10		10	ug/L			06/01/26 11:51	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			06/01/26 11:51	1
MIBK	<10		10	ug/L			06/01/26 11:51	1
Naphthalene	<10		10	ug/L			06/01/26 11:51	1
n-Butylbenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
N-Propylbenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
o-Xylene	<1.0		1.0	ug/L			06/01/26 11:51	1
p-Isopropyltoluene	<1.0		1.0	ug/L			06/01/26 11:51	1
sec-Butylbenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
Styrene	<1.0		1.0	ug/L			06/01/26 11:51	1
tert-Amyl alcohol	<50		50	ug/L			06/01/26 11:51	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			06/01/26 11:51	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			06/01/26 11:51	1
tert-Butylbenzene	<1.0		1.0	ug/L			06/01/26 11:51	1
Tetrachloroethene	<1.0		1.0	ug/L			06/01/26 11:51	1
Toluene	<1.0		1.0	ug/L			06/01/26 11:51	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			06/01/26 11:51	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			06/01/26 11:51	1
Trichloroethene	<1.0		1.0	ug/L			06/01/26 11:51	1
Trichlorofluoromethane	<10		10	ug/L			06/01/26 11:51	1
Vinyl acetate	<10		10	ug/L			06/01/26 11:51	1
Vinyl chloride	<0.50		0.50	ug/L			06/01/26 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		06/01/26 11:51	1
4-Bromofluorobenzene (Surr)	96		80 - 120		06/01/26 11:51	1
Dibromofluoromethane (Surr)	108		80 - 120		06/01/26 11:51	1
Toluene-d8 (Surr)	100		80 - 120		06/01/26 11:51	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isobutyl alcohol	<75		75	ug/L			06/02/26 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		80 - 120		06/02/26 18:37	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/02/26 18:37	1
Dibromofluoromethane (Surr)	97		80 - 120		06/02/26 18:37	1
Toluene-d8 (Surr)	98		80 - 120		06/02/26 18:37	1

Method: SW846 8015B GRO LL - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			06/01/26 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		38 - 134		06/01/26 16:12	1

Eurofins Pomona

Client Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2153-S1-AQ

Lab Sample ID: 380-215489-1

Date Collected: 05/20/26 09:00

Matrix: Water

Date Received: 05/21/26 10:05

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		05/24/26 09:44	05/27/26 04:41	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		05/24/26 09:44	05/27/26 04:41	1
C8-C18	<26		26	ug/L		05/24/26 09:44	05/27/26 04:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	116		60 - 130			05/24/26 09:44	05/27/26 04:41	1

Client Sample ID: BWS2153-S1-TB

Lab Sample ID: 380-215489-2

Date Collected: 05/20/26 09:00

Matrix: Water

Date Received: 05/21/26 10:05

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.0		2.0	ug/L			06/01/26 09:17	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			06/01/26 09:17	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			06/01/26 09:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			06/01/26 09:17	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			06/01/26 09:17	1
1,1-Dichloroethane	<1.0		1.0	ug/L			06/01/26 09:17	1
1,1-Dichloroethene	<1.0		1.0	ug/L			06/01/26 09:17	1
1,1-Dichloropropene	<1.0		1.0	ug/L			06/01/26 09:17	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			06/01/26 09:17	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			06/01/26 09:17	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
1,2-Dichloroethane	<0.50		0.50	ug/L			06/01/26 09:17	1
1,2-Dichloropropane	<1.0		1.0	ug/L			06/01/26 09:17	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
1,3-Dichloropropane	<1.0		1.0	ug/L			06/01/26 09:17	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
2,2-Dichloropropane	<1.0		1.0	ug/L			06/01/26 09:17	1
2-Butanone	<10	*+	10	ug/L			06/01/26 09:17	1
2-Chlorotoluene	<1.0		1.0	ug/L			06/01/26 09:17	1
2-Hexanone	<10	*+	10	ug/L			06/01/26 09:17	1
4-Chlorotoluene	<1.0		1.0	ug/L			06/01/26 09:17	1
Acetone	<10		10	ug/L			06/01/26 09:17	1
Benzene	<0.50		0.50	ug/L			06/01/26 09:17	1
Bromobenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
Bromochloromethane	<2.0		2.0	ug/L			06/01/26 09:17	1
Bromodichloromethane	<1.0		1.0	ug/L			06/01/26 09:17	1
Bromoform	<5.0		5.0	ug/L			06/01/26 09:17	1
Bromomethane	<10		10	ug/L			06/01/26 09:17	1
Carbon disulfide	<10		10	ug/L			06/01/26 09:17	1
Carbon tetrachloride	<0.50		0.50	ug/L			06/01/26 09:17	1
Chlorobenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
Chloroethane	<5.0		5.0	ug/L			06/01/26 09:17	1
Chloroform	<1.0		1.0	ug/L			06/01/26 09:17	1

Eurofins Pomona

Client Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2153-S1-TB

Lab Sample ID: 380-215489-2

Date Collected: 05/20/26 09:00

Matrix: Water

Date Received: 05/21/26 10:05

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<10		10	ug/L			06/01/26 09:17	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			06/01/26 09:17	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			06/01/26 09:17	1
Dibromochloromethane	<2.0		2.0	ug/L			06/01/26 09:17	1
Dibromomethane	<1.0		1.0	ug/L			06/01/26 09:17	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			06/01/26 09:17	1
Diethyl ether	<10		10	ug/L			06/01/26 09:17	1
Di-isopropyl ether (DIPE)	<2.0	+	2.0	ug/L			06/01/26 09:17	1
Ethanol	<100		100	ug/L			06/01/26 09:17	1
Ethylbenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
Ethylene Dibromide	<1.0	+	1.0	ug/L			06/01/26 09:17	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			06/01/26 09:17	1
Hexachloro-1,3-butadiene	<10		10	ug/L			06/01/26 09:17	1
Hexane	<5.0		5.0	ug/L			06/01/26 09:17	1
Isopropanol	<75		75	ug/L			06/01/26 09:17	1
Isopropylbenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
m,p-Xylene	<2.0		2.0	ug/L			06/01/26 09:17	1
Methylene Chloride	<10		10	ug/L			06/01/26 09:17	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			06/01/26 09:17	1
MIBK	<10		10	ug/L			06/01/26 09:17	1
Naphthalene	<10		10	ug/L			06/01/26 09:17	1
n-Butylbenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
N-Propylbenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
o-Xylene	<1.0		1.0	ug/L			06/01/26 09:17	1
p-Isopropyltoluene	<1.0		1.0	ug/L			06/01/26 09:17	1
sec-Butylbenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
Styrene	<1.0		1.0	ug/L			06/01/26 09:17	1
tert-Amyl alcohol	<50		50	ug/L			06/01/26 09:17	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			06/01/26 09:17	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			06/01/26 09:17	1
tert-Butylbenzene	<1.0		1.0	ug/L			06/01/26 09:17	1
Tetrachloroethene	<1.0		1.0	ug/L			06/01/26 09:17	1
Toluene	<1.0		1.0	ug/L			06/01/26 09:17	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			06/01/26 09:17	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			06/01/26 09:17	1
Trichloroethene	<1.0		1.0	ug/L			06/01/26 09:17	1
Trichlorofluoromethane	<10		10	ug/L			06/01/26 09:17	1
Vinyl acetate	<10		10	ug/L			06/01/26 09:17	1
Vinyl chloride	<0.50		0.50	ug/L			06/01/26 09:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		06/01/26 09:17	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/01/26 09:17	1
Dibromofluoromethane (Surr)	104		80 - 120		06/01/26 09:17	1
Toluene-d8 (Surr)	97		80 - 120		06/01/26 09:17	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isobutyl alcohol	<75		75	ug/L			06/02/26 18:16	1

Eurofins Pomona

Client Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2153-S1-TB

Lab Sample ID: 380-215489-2

Date Collected: 05/20/26 09:00

Matrix: Water

Date Received: 05/21/26 10:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		80 - 120		06/02/26 18:16	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/02/26 18:16	1
Dibromofluoromethane (Surr)	98		80 - 120		06/02/26 18:16	1
Toluene-d8 (Surr)	98		80 - 120		06/02/26 18:16	1

Method: SW846 8015B GRO LL - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			06/01/26 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		38 - 134		06/01/26 20:14	1

Action Limit Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2153-S1-AQ

Lab Sample ID: 380-215489-1

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	EPAMCL Limit	HI Org Limit	RL	Method	Prep Type
1,1,1-Trichloroethane	<1.0		ug/L	200	200.0	1.0	8260B	Total/NA
1,1,2-Trichloroethane	<1.0		ug/L	5	5.000	1.0	8260B	Total/NA
1,1-Dichloroethene	<1.0		ug/L	7	7.000	1.0	8260B	Total/NA
1,2,3-Trichloropropane	<5.0		ug/L		0.6000	5.0	8260B	Total/NA
1,2,4-Trichlorobenzene	<1.0		ug/L	70	70.00	1.0	8260B	Total/NA
1,2-Dibromo-3-Chloropropane	<10		ug/L	0.2		10	8260B	Total/NA
1,2-Dichlorobenzene	<1.0		ug/L	600	600.0	1.0	8260B	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5	5.000	0.50	8260B	Total/NA
1,2-Dichloropropane	<1.0		ug/L	5	5.000	1.0	8260B	Total/NA
1,4-Dichlorobenzene	<1.0		ug/L	75	75.000	1.0	8260B	Total/NA
Benzene	<0.50		ug/L	5	5.000	0.50	8260B	Total/NA
Bromodichloromethane	<1.0		ug/L	80		1.0	8260B	Total/NA
Bromoform	<5.0		ug/L	80		5.0	8260B	Total/NA
Carbon tetrachloride	<0.50		ug/L	5	5.000	0.50	8260B	Total/NA
Chlorobenzene	<1.0		ug/L	100	100.0	1.0	8260B	Total/NA
Chloroform	<1.0		ug/L	80		1.0	8260B	Total/NA
cis-1,2-Dichloroethene	<1.0		ug/L	70	70.00	1.0	8260B	Total/NA
Dibromochloromethane	<2.0		ug/L	80		2.0	8260B	Total/NA
Ethylbenzene	<1.0		ug/L	700	700.0	1.0	8260B	Total/NA
Ethylene Dibromide	<1.0	+	ug/L	0.05		1.0	8260B	Total/NA
Methylene Chloride	<10		ug/L	5	5.000	10	8260B	Total/NA
Styrene	<1.0		ug/L	100	100.0	1.0	8260B	Total/NA
Tetrachloroethene	<1.0		ug/L	5	5.000	1.0	8260B	Total/NA
Toluene	<1.0		ug/L	1000	1000	1.0	8260B	Total/NA
trans-1,2-Dichloroethene	<1.0		ug/L	100	100.0	1.0	8260B	Total/NA
Trichloroethene	<1.0		ug/L	5	5.000	1.0	8260B	Total/NA
Vinyl chloride	<0.50		ug/L	2	2.000	0.50	8260B	Total/NA

Client Sample ID: BWS2153-S1-TB

Lab Sample ID: 380-215489-2

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	EPAMCL Limit	HI Org Limit	RL	Method	Prep Type
1,1,1-Trichloroethane	<1.0		ug/L	200	200.0	1.0	8260B	Total/NA
1,1,2-Trichloroethane	<1.0		ug/L	5	5.000	1.0	8260B	Total/NA
1,1-Dichloroethene	<1.0		ug/L	7	7.000	1.0	8260B	Total/NA
1,2,3-Trichloropropane	<5.0		ug/L		0.6000	5.0	8260B	Total/NA
1,2,4-Trichlorobenzene	<1.0		ug/L	70	70.00	1.0	8260B	Total/NA
1,2-Dibromo-3-Chloropropane	<10		ug/L	0.2		10	8260B	Total/NA
1,2-Dichlorobenzene	<1.0		ug/L	600	600.0	1.0	8260B	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5	5.000	0.50	8260B	Total/NA
1,2-Dichloropropane	<1.0		ug/L	5	5.000	1.0	8260B	Total/NA
1,4-Dichlorobenzene	<1.0		ug/L	75	75.000	1.0	8260B	Total/NA
Benzene	<0.50		ug/L	5	5.000	0.50	8260B	Total/NA
Bromodichloromethane	<1.0		ug/L	80		1.0	8260B	Total/NA

Eurofins Pomona

Action Limit Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2153-S1-TB (Continued)

Lab Sample ID: 380-215489-2

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	EPAMCL Limit	HI Org Limit	RL	Method	Prep Type
Bromoform	<5.0		ug/L	80		5.0	8260B	Total/NA
Carbon tetrachloride	<0.50		ug/L	5	5.000	0.50	8260B	Total/NA
Chlorobenzene	<1.0		ug/L	100	100.0	1.0	8260B	Total/NA
Chloroform	<1.0		ug/L	80		1.0	8260B	Total/NA
cis-1,2-Dichloroethene	<1.0		ug/L	70	70.00	1.0	8260B	Total/NA
Dibromochloromethane	<2.0		ug/L	80		2.0	8260B	Total/NA
Ethylbenzene	<1.0		ug/L	700	700.0	1.0	8260B	Total/NA
Ethylene Dibromide	<1.0	*+	ug/L	0.05		1.0	8260B	Total/NA
Methylene Chloride	<10		ug/L	5	5.000	10	8260B	Total/NA
Styrene	<1.0		ug/L	100	100.0	1.0	8260B	Total/NA
Tetrachloroethene	<1.0		ug/L	5	5.000	1.0	8260B	Total/NA
Toluene	<1.0		ug/L	1000	1000	1.0	8260B	Total/NA
trans-1,2-Dichloroethene	<1.0		ug/L	100	100.0	1.0	8260B	Total/NA
Trichloroethene	<1.0		ug/L	5	5.000	1.0	8260B	Total/NA
Vinyl chloride	<0.50		ug/L	2	2.000	0.50	8260B	Total/NA

Surrogate Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
380-215489-1	BWS2153-S1-AQ	108	96	108	100
380-215489-1 - RA	BWS2153-S1-AQ	92	98	97	98
380-215489-2	BWS2153-S1-TB	109	98	104	97
380-215489-2 - RA	BWS2153-S1-TB	91	99	98	98
LCS 570-746919/1003	Lab Control Sample	111	100	104	96
LCS 570-747849/1002	Lab Control Sample	96	101	97	99
LCSD 570-746919/4	Lab Control Sample Dup	109	101	103	98
LCSD 570-747849/3	Lab Control Sample Dup	94	100	97	100
MB 570-746919/6	Method Blank	106	100	102	96
MB 570-747849/5	Method Blank	89	97	96	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8015B GRO LL - Gasoline Range Organics - (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-215428-B-1 MS	Matrix Spike	99
380-215428-B-1 MSD	Matrix Spike Duplicate	101
380-215489-1	BWS2153-S1-AQ	98
380-215489-2	BWS2153-S1-TB	102
LCS 570-746997/3	Lab Control Sample	99
LCSD 570-746997/4	Lab Control Sample Dup	101
MB 570-746997/6	Method Blank	104
MRL 570-746997/5	Lab Control Sample	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-215489-1	BWS2153-S1-AQ	116
380-215489-1 MS	BWS2153-S1-AQ	104
380-215489-1 MSD	BWS2153-S1-AQ	115
LCS 570-743620/2-A	Lab Control Sample	108
LCSD 570-743620/3-A	Lab Control Sample Dup	108
MB 570-743620/1-A	Method Blank	107
MRL 570-743620/4-A	Lab Control Sample	107

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-746919/6

Matrix: Water

Analysis Batch: 746919

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.0		2.0	ug/L			06/01/26 08:33	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			06/01/26 08:33	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			06/01/26 08:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			06/01/26 08:33	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			06/01/26 08:33	1
1,1-Dichloroethane	<1.0		1.0	ug/L			06/01/26 08:33	1
1,1-Dichloroethene	<1.0		1.0	ug/L			06/01/26 08:33	1
1,1-Dichloropropene	<1.0		1.0	ug/L			06/01/26 08:33	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			06/01/26 08:33	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			06/01/26 08:33	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
1,2-Dichloroethane	<0.50		0.50	ug/L			06/01/26 08:33	1
1,2-Dichloropropane	<1.0		1.0	ug/L			06/01/26 08:33	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
1,3-Dichloropropane	<1.0		1.0	ug/L			06/01/26 08:33	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
2,2-Dichloropropane	<1.0		1.0	ug/L			06/01/26 08:33	1
2-Butanone	<10		10	ug/L			06/01/26 08:33	1
2-Chlorotoluene	<1.0		1.0	ug/L			06/01/26 08:33	1
2-Hexanone	<10		10	ug/L			06/01/26 08:33	1
4-Chlorotoluene	<1.0		1.0	ug/L			06/01/26 08:33	1
Acetone	<10		10	ug/L			06/01/26 08:33	1
Benzene	<0.50		0.50	ug/L			06/01/26 08:33	1
Bromobenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
Bromochloromethane	<2.0		2.0	ug/L			06/01/26 08:33	1
Bromodichloromethane	<1.0		1.0	ug/L			06/01/26 08:33	1
Bromoform	<5.0		5.0	ug/L			06/01/26 08:33	1
Bromomethane	<10		10	ug/L			06/01/26 08:33	1
Carbon disulfide	<10		10	ug/L			06/01/26 08:33	1
Carbon tetrachloride	<0.50		0.50	ug/L			06/01/26 08:33	1
Chlorobenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
Chloroethane	<5.0		5.0	ug/L			06/01/26 08:33	1
Chloroform	<1.0		1.0	ug/L			06/01/26 08:33	1
Chloromethane	<10		10	ug/L			06/01/26 08:33	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			06/01/26 08:33	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			06/01/26 08:33	1
Dibromochloromethane	<2.0		2.0	ug/L			06/01/26 08:33	1
Dibromomethane	<1.0		1.0	ug/L			06/01/26 08:33	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			06/01/26 08:33	1
Diethyl ether	<10		10	ug/L			06/01/26 08:33	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			06/01/26 08:33	1
Ethanol	<100		100	ug/L			06/01/26 08:33	1
Ethylbenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
Ethylene Dibromide	<1.0		1.0	ug/L			06/01/26 08:33	1

Eurofins Pomona

QC Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-746919/6

Matrix: Water

Analysis Batch: 746919

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			06/01/26 08:33	1
Hexachloro-1,3-butadiene	<10		10	ug/L			06/01/26 08:33	1
Hexane	<5.0		5.0	ug/L			06/01/26 08:33	1
Isopropanol	<75		75	ug/L			06/01/26 08:33	1
Isopropylbenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
m,p-Xylene	<2.0		2.0	ug/L			06/01/26 08:33	1
Methylene Chloride	<10		10	ug/L			06/01/26 08:33	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			06/01/26 08:33	1
MIBK	<10		10	ug/L			06/01/26 08:33	1
Naphthalene	<10		10	ug/L			06/01/26 08:33	1
n-Butylbenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
N-Propylbenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
o-Xylene	<1.0		1.0	ug/L			06/01/26 08:33	1
p-Isopropyltoluene	<1.0		1.0	ug/L			06/01/26 08:33	1
sec-Butylbenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
Styrene	<1.0		1.0	ug/L			06/01/26 08:33	1
tert-Amyl alcohol	<50		50	ug/L			06/01/26 08:33	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			06/01/26 08:33	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			06/01/26 08:33	1
tert-Butylbenzene	<1.0		1.0	ug/L			06/01/26 08:33	1
Tetrachloroethene	<1.0		1.0	ug/L			06/01/26 08:33	1
Toluene	<1.0		1.0	ug/L			06/01/26 08:33	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			06/01/26 08:33	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			06/01/26 08:33	1
Trichloroethene	<1.0		1.0	ug/L			06/01/26 08:33	1
Trichlorofluoromethane	<10		10	ug/L			06/01/26 08:33	1
Vinyl acetate	<10		10	ug/L			06/01/26 08:33	1
Vinyl chloride	<0.50		0.50	ug/L			06/01/26 08:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/01/26 08:33	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/01/26 08:33	1
Dibromofluoromethane (Surr)	102		80 - 120		06/01/26 08:33	1
Toluene-d8 (Surr)	96		80 - 120		06/01/26 08:33	1

Lab Sample ID: LCS 570-746919/1003

Matrix: Water

Analysis Batch: 746919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	22.4		ug/L		112	83 - 120
1,1,1-Trichloroethane	20.0	20.4		ug/L		102	78 - 123
1,1,2,2-Tetrachloroethane	20.0	20.4		ug/L		102	74 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.2		ug/L		91	72 - 130
1,1,2-Trichloroethane	20.0	20.3		ug/L		102	82 - 120
1,1-Dichloroethane	20.0	23.3		ug/L		117	79 - 122
1,1-Dichloroethene	20.0	20.1		ug/L		100	74 - 127
1,1-Dichloropropene	20.0	19.2		ug/L		96	75 - 124

Eurofins Pomona

QC Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-746919/1003

Matrix: Water

Analysis Batch: 746919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	20.0	17.9		ug/L		89	71 - 126
1,2,3-Trichloropropane	20.0	20.9		ug/L		104	73 - 121
1,2,4-Trichlorobenzene	20.0	17.4		ug/L		87	70 - 130
1,2,4-Trimethylbenzene	20.0	17.5		ug/L		87	80 - 125
1,2-Dibromo-3-Chloropropane	20.0	20.6		ug/L		103	64 - 127
1,2-Dichlorobenzene	20.0	18.3		ug/L		91	78 - 122
1,2-Dichloroethane	20.0	20.5		ug/L		102	76 - 123
1,2-Dichloropropane	20.0	22.3		ug/L		112	82 - 120
1,3,5-Trimethylbenzene	20.0	18.5		ug/L		92	79 - 124
1,3-Dichlorobenzene	20.0	19.9		ug/L		100	81 - 120
1,3-Dichloropropane	20.0	20.6		ug/L		103	82 - 120
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	78 - 121
2,2-Dichloropropane	20.0	20.2		ug/L		101	69 - 133
2-Butanone	20.0	33.1	*+	ug/L		166	55 - 142
2-Chlorotoluene	20.0	19.5		ug/L		98	80 - 120
2-Hexanone	20.0	28.7	*+	ug/L		143	54 - 138
4-Chlorotoluene	20.0	19.9		ug/L		99	80 - 121
Acetone	20.0	26.7		ug/L		134	50 - 157
Benzene	20.0	20.0		ug/L		100	80 - 120
Bromobenzene	20.0	19.0		ug/L		95	80 - 120
Bromochloromethane	20.0	20.5		ug/L		103	83 - 123
Bromodichloromethane	20.0	21.3		ug/L		107	83 - 120
Bromoform	20.0	22.1		ug/L		110	75 - 128
Bromomethane	20.0	19.8		ug/L		99	31 - 120
Carbon disulfide	20.0	21.0		ug/L		105	71 - 128
Carbon tetrachloride	20.0	20.9		ug/L		105	72 - 135
Chlorobenzene	20.0	20.1		ug/L		101	84 - 120
Chloroethane	20.0	19.1		ug/L		95	72 - 129
Chloroform	20.0	20.3		ug/L		101	79 - 120
Chloromethane	20.0	25.1		ug/L		125	36 - 148
cis-1,2-Dichloroethene	20.0	21.1		ug/L		106	81 - 120
cis-1,3-Dichloropropene	20.0	21.5		ug/L		107	76 - 125
Dibromochloromethane	20.0	22.6		ug/L		113	82 - 120
Dibromomethane	20.0	19.1		ug/L		96	85 - 120
Dichlorodifluoromethane	20.0	23.0		ug/L		115	52 - 147
Diethyl ether	20.0	22.1		ug/L		111	71 - 127
Di-isopropyl ether (DIPE)	20.0	27.4	*+	ug/L		137	70 - 132
Ethanol	200	204		ug/L		102	48 - 163
Ethylbenzene	20.0	20.0		ug/L		100	81 - 120
Ethylene Dibromide	20.0	23.9		ug/L		120	81 - 120
Ethyl-t-butyl ether (ETBE)	20.0	21.9		ug/L		110	68 - 126
Isopropylbenzene	20.0	19.5		ug/L		98	80 - 122
m,p-Xylene	40.0	40.4		ug/L		101	79 - 122
Methylene Chloride	20.0	21.8		ug/L		109	76 - 120
Methyl-t-Butyl Ether (MTBE)	20.0	19.5		ug/L		97	70 - 124
MIBK	20.0	24.0		ug/L		120	57 - 133
Naphthalene	20.0	17.2		ug/L		86	64 - 124
n-Butylbenzene	20.0	18.1		ug/L		90	78 - 127
N-Propylbenzene	20.0	20.1		ug/L		101	80 - 121

Eurofins Pomona

QC Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-746919/1003

Matrix: Water

Analysis Batch: 746919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	20.0	20.5		ug/L		102	81 - 120
p-Isopropyltoluene	20.0	18.1		ug/L		91	81 - 124
sec-Butylbenzene	20.0	19.5		ug/L		97	80 - 123
Styrene	20.0	19.9		ug/L		100	82 - 120
tert-Amyl alcohol	100	99.8		ug/L		100	30 - 157
Tert-amyl-methyl ether (TAME)	20.0	19.4		ug/L		97	71 - 121
tert-Butyl alcohol (TBA)	100	109		ug/L		109	68 - 128
tert-Butylbenzene	20.0	19.1		ug/L		95	80 - 124
Tetrachloroethene	20.0	20.6		ug/L		103	78 - 126
Toluene	20.0	19.6		ug/L		98	82 - 120
trans-1,2-Dichloroethene	20.0	20.4		ug/L		102	79 - 122
trans-1,3-Dichloropropene	20.0	22.1		ug/L		110	73 - 127
Trichloroethene	20.0	19.6		ug/L		98	83 - 120
Trichlorofluoromethane	20.0	19.4		ug/L		97	74 - 135
Vinyl acetate	20.0	22.0		ug/L		110	56 - 135
Vinyl chloride	20.0	19.6		ug/L		98	68 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: LCSD 570-746919/4

Matrix: Water

Analysis Batch: 746919

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	20.0	23.2		ug/L		116	83 - 120	4	20
1,1,1-Trichloroethane	20.0	21.0		ug/L		105	78 - 123	3	20
1,1,2,2-Tetrachloroethane	20.0	21.1		ug/L		105	74 - 125	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.1		ug/L		91	72 - 130	0	20
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	82 - 120	4	20
1,1-Dichloroethane	20.0	23.6		ug/L		118	79 - 122	1	20
1,1-Dichloroethene	20.0	20.2		ug/L		101	74 - 127	1	20
1,1-Dichloropropene	20.0	19.5		ug/L		98	75 - 124	2	20
1,2,3-Trichlorobenzene	20.0	18.7		ug/L		94	71 - 126	5	20
1,2,3-Trichloropropane	20.0	21.0		ug/L		105	73 - 121	1	20
1,2,4-Trichlorobenzene	20.0	18.9		ug/L		94	70 - 130	8	20
1,2,4-Trimethylbenzene	20.0	18.3		ug/L		91	80 - 125	4	20
1,2-Dibromo-3-Chloropropane	20.0	21.9		ug/L		110	64 - 127	6	20
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	78 - 122	7	20
1,2-Dichloroethane	20.0	20.9		ug/L		104	76 - 123	2	20
1,2-Dichloropropane	20.0	22.4		ug/L		112	82 - 120	1	20
1,3,5-Trimethylbenzene	20.0	19.1		ug/L		95	79 - 124	3	20
1,3-Dichlorobenzene	20.0	21.1		ug/L		106	81 - 120	6	20
1,3-Dichloropropane	20.0	21.3		ug/L		107	82 - 120	3	20
1,4-Dichlorobenzene	20.0	20.7		ug/L		104	78 - 121	4	20

Eurofins Pomona

QC Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-746919/4

Matrix: Water

Analysis Batch: 746919

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,2-Dichloropropane	20.0	20.0		ug/L		100	69 - 133	1	20
2-Butanone	20.0	30.7	*+	ug/L		153	55 - 142	8	21
2-Chlorotoluene	20.0	20.2		ug/L		101	80 - 120	3	20
2-Hexanone	20.0	28.9	*+	ug/L		144	54 - 138	1	21
4-Chlorotoluene	20.0	20.6		ug/L		103	80 - 121	4	20
Acetone	20.0	27.2		ug/L		136	50 - 157	2	26
Benzene	20.0	20.2		ug/L		101	80 - 120	1	20
Bromobenzene	20.0	20.3		ug/L		101	80 - 120	6	20
Bromochloromethane	20.0	21.6		ug/L		108	83 - 123	5	20
Bromodichloromethane	20.0	21.3		ug/L		107	83 - 120	0	20
Bromoform	20.0	23.4		ug/L		117	75 - 128	6	20
Bromomethane	20.0	20.1		ug/L		100	31 - 120	2	22
Carbon disulfide	20.0	21.2		ug/L		106	71 - 128	1	20
Carbon tetrachloride	20.0	22.0		ug/L		110	72 - 135	5	20
Chlorobenzene	20.0	20.7		ug/L		104	84 - 120	3	20
Chloroethane	20.0	18.8		ug/L		94	72 - 129	1	20
Chloroform	20.0	21.1		ug/L		106	79 - 120	4	20
Chloromethane	20.0	25.4		ug/L		127	36 - 148	1	20
cis-1,2-Dichloroethene	20.0	21.4		ug/L		107	81 - 120	1	20
cis-1,3-Dichloropropene	20.0	22.2		ug/L		111	76 - 125	3	20
Dibromochloromethane	20.0	23.3		ug/L		117	82 - 120	3	20
Dibromomethane	20.0	19.7		ug/L		99	85 - 120	3	20
Dichlorodifluoromethane	20.0	23.5		ug/L		117	52 - 147	2	20
Diethyl ether	20.0	22.5		ug/L		113	71 - 127	2	20
Di-isopropyl ether (DIPE)	20.0	28.0	*+	ug/L		140	70 - 132	2	20
Ethanol	200	186		ug/L		93	48 - 163	9	30
Ethylbenzene	20.0	21.0		ug/L		105	81 - 120	5	20
Ethylene Dibromide	20.0	24.3	*+	ug/L		121	81 - 120	1	20
Ethyl-t-butyl ether (ETBE)	20.0	22.4		ug/L		112	68 - 126	2	20
Isopropylbenzene	20.0	20.4		ug/L		102	80 - 122	4	20
m,p-Xylene	40.0	41.8		ug/L		104	79 - 122	3	20
Methylene Chloride	20.0	21.8		ug/L		109	76 - 120	0	20
Methyl-t-Butyl Ether (MTBE)	20.0	20.2		ug/L		101	70 - 124	3	20
MIBK	20.0	23.5		ug/L		118	57 - 133	2	20
Naphthalene	20.0	18.2		ug/L		91	64 - 124	6	20
n-Butylbenzene	20.0	18.7		ug/L		94	78 - 127	4	20
N-Propylbenzene	20.0	21.0		ug/L		105	80 - 121	4	20
o-Xylene	20.0	21.2		ug/L		106	81 - 120	3	20
p-Isopropyltoluene	20.0	19.1		ug/L		96	81 - 124	5	20
sec-Butylbenzene	20.0	20.4		ug/L		102	80 - 123	5	20
Styrene	20.0	20.4		ug/L		102	82 - 120	2	20
tert-Amyl alcohol	100	107		ug/L		107	30 - 157	7	30
Tert-amyl-methyl ether (TAME)	20.0	19.4		ug/L		97	71 - 121	0	20
tert-Butyl alcohol (TBA)	100	109		ug/L		109	68 - 128	0	20
tert-Butylbenzene	20.0	20.1		ug/L		101	80 - 124	5	20
Tetrachloroethene	20.0	21.2		ug/L		106	78 - 126	3	20
Toluene	20.0	19.9		ug/L		100	82 - 120	1	20
trans-1,2-Dichloroethene	20.0	20.9		ug/L		104	79 - 122	2	20
trans-1,3-Dichloropropene	20.0	23.3		ug/L		117	73 - 127	5	20

Eurofins Pomona

QC Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-746919/4

Matrix: Water

Analysis Batch: 746919

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichloroethene	20.0	20.1		ug/L		101	83 - 120	3	20
Trichlorofluoromethane	20.0	19.4		ug/L		97	74 - 135	0	20
Vinyl acetate	20.0	21.9		ug/L		109	56 - 135	0	24
Vinyl chloride	20.0	20.0		ug/L		100	68 - 131	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: MB 570-747849/5

Matrix: Water

Analysis Batch: 747849

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isobutyl alcohol	<75		75	ug/L			06/02/26 17:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		80 - 120		06/02/26 17:30	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/02/26 17:30	1
Dibromofluoromethane (Surr)	96		80 - 120		06/02/26 17:30	1
Toluene-d8 (Surr)	98		80 - 120		06/02/26 17:30	1

Lab Sample ID: LCS 570-747849/1002

Matrix: Water

Analysis Batch: 747849

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	97		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 570-747849/3

Matrix: Water

Analysis Batch: 747849

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	97		80 - 120
Toluene-d8 (Surr)	100		80 - 120

QC Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Method: 8015B GRO LL - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-746997/6

Matrix: Water

Analysis Batch: 746997

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			06/01/26 12:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		38 - 134				06/01/26 12:16	1

Lab Sample ID: LCS 570-746997/3

Matrix: Water

Analysis Batch: 746997

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (C4-C13)	400	400		ug/L		100	78 - 120	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	99		38 - 134					

Lab Sample ID: LCSD 570-746997/4

Matrix: Water

Analysis Batch: 746997

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	400	385		ug/L		96	78 - 120	4	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	101		38 - 134						

Lab Sample ID: MRL 570-746997/5

Matrix: Water

Analysis Batch: 746997

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (C4-C13)	10.0	11.7		ug/L		117	50 - 150	
Surrogate	MRL %Recovery	MRL Qualifier	Limits					
4-Bromofluorobenzene (Surr)	104		38 - 134					

Lab Sample ID: 380-215428-B-1 MS

Matrix: Water

Analysis Batch: 746997

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (C4-C13)	<10		400	360		ug/L		90	68 - 122	
Surrogate	MS %Recovery	MS Qualifier	Limits							
4-Bromofluorobenzene (Surr)	99		38 - 134							

Eurofins Pomona

QC Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Method: 8015B GRO LL - Gasoline Range Organics - (GC)

Lab Sample ID: 380-215428-B-1 MSD

Matrix: Water

Analysis Batch: 746997

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	<10		400	325		ug/L		81	68 - 122	10	18
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	101		38 - 134								

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

Lab Sample ID: MB 570-743620/1-A

Matrix: Water

Analysis Batch: 744450

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 743620

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		05/24/26 09:43	05/26/26 22:11	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		05/24/26 09:43	05/26/26 22:11	1
C8-C18	<25		25	ug/L		05/24/26 09:43	05/26/26 22:11	1
Surrogate	%Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac		
n-Octacosane (Surr)	107		60 - 130	05/24/26 09:43	05/26/26 22:11	1		

Lab Sample ID: LCS 570-743620/2-A

Matrix: Water

Analysis Batch: 744450

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 743620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD
C10-C28	1600	1470		ug/L		92	56 - 127	
Surrogate	%Recovery	LCS Qualifier	LCS Limits					
n-Octacosane (Surr)	108		60 - 130					

Lab Sample ID: LCSD 570-743620/3-A

Matrix: Water

Analysis Batch: 744450

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 743620

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1420		ug/L		89	56 - 127	3	23
Surrogate	%Recovery	LCSD Qualifier	LCSD Limits						
n-Octacosane (Surr)	108		60 - 130						

Lab Sample ID: MRL 570-743620/4-A

Matrix: Water

Analysis Batch: 744450

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 743620

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits	RPD
C10-C28	0.0200	0.0235	J	mg/L		117	50 - 150	

Eurofins Pomona

QC Sample Results

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: MRL 570-743620/4-A
Matrix: Water
Analysis Batch: 744450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743620

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
n-Octacosane (Surr)	107		60 - 130

Lab Sample ID: 380-215489-1 MS
Matrix: Water
Analysis Batch: 744450

Client Sample ID: BWS2153-S1-AQ
Prep Type: Total/NA
Prep Batch: 743620

	Sample	Sample	Spike	MS	MS					%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
C10-C28	<26		1600	1450		ug/L		89	70 - 130		
Surrogate	%Recovery	Qualifier	Limits								
n-Octacosane (Surr)	104		60 - 130								

Lab Sample ID: 380-215489-1 MSD
Matrix: Water
Analysis Batch: 744450

Client Sample ID: BWS2153-S1-AQ
Prep Type: Total/NA
Prep Batch: 743620

	Sample	Sample	Spike	MSD	MSD					%Rec	RPD	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
C10-C28	<26		1610	1620		ug/L		100	70 - 130	12	20	
Surrogate	%Recovery	Qualifier	Limits									
n-Octacosane (Surr)	115		60 - 130									

QC Association Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

GC/MS VOA

Analysis Batch: 746919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-215489-1	BWS2153-S1-AQ	Total/NA	Water	8260B	
380-215489-2	BWS2153-S1-TB	Total/NA	Water	8260B	
MB 570-746919/6	Method Blank	Total/NA	Water	8260B	
LCS 570-746919/1003	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-746919/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 747849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-215489-1 - RA	BWS2153-S1-AQ	Total/NA	Water	8260B	
380-215489-2 - RA	BWS2153-S1-TB	Total/NA	Water	8260B	
MB 570-747849/5	Method Blank	Total/NA	Water	8260B	
LCS 570-747849/1002	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-747849/3	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 746997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-215489-1	BWS2153-S1-AQ	Total/NA	Water	8015B GRO LL	
380-215489-2	BWS2153-S1-TB	Total/NA	Water	8015B GRO LL	
MB 570-746997/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-746997/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-746997/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-746997/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-215428-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-215428-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 743620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-215489-1	BWS2153-S1-AQ	Total/NA	Water	3510C	
MB 570-743620/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-743620/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-743620/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-743620/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-215489-1 MS	BWS2153-S1-AQ	Total/NA	Water	3510C	
380-215489-1 MSD	BWS2153-S1-AQ	Total/NA	Water	3510C	

Analysis Batch: 744450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-215489-1	BWS2153-S1-AQ	Total/NA	Water	8015B	743620
MB 570-743620/1-A	Method Blank	Total/NA	Water	8015B	743620
LCS 570-743620/2-A	Lab Control Sample	Total/NA	Water	8015B	743620
LCSD 570-743620/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	743620
MRL 570-743620/4-A	Lab Control Sample	Total/NA	Water	8015B	743620
380-215489-1 MS	BWS2153-S1-AQ	Total/NA	Water	8015B	743620
380-215489-1 MSD	BWS2153-S1-AQ	Total/NA	Water	8015B	743620

Lab Chronicle

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2153-S1-AQ

Lab Sample ID: 380-215489-1

Date Collected: 05/20/26 09:00

Matrix: Water

Date Received: 05/21/26 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	746919	VYF4	EET CAL 4	06/01/26 11:51
Total/NA	Analysis	8260B	RA	1	747849	W4LC	EET CAL 4	06/02/26 18:37
Total/NA	Analysis	8015B GRO LL		1	746997	A9VE	EET CAL 4	06/01/26 16:12
Total/NA	Prep	3510C			743620	TVD6	EET CAL 4	05/24/26 09:44
Total/NA	Analysis	8015B		1	744450	H6FE	EET CAL 4	05/27/26 04:41

Client Sample ID: BWS2153-S1-TB

Lab Sample ID: 380-215489-2

Date Collected: 05/20/26 09:00

Matrix: Water

Date Received: 05/21/26 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	746919	VYF4	EET CAL 4	06/01/26 09:17
Total/NA	Analysis	8260B	RA	1	747849	W4LC	EET CAL 4	06/02/26 18:16
Total/NA	Analysis	8015B GRO LL		1	746997	A9VE	EET CAL 4	06/01/26 20:14

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-27
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26
California	State	3082	06-02-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	09-30-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Method Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8015B GRO LL	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC) Low Level	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-215489-1
SDG: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-215489-1	BWS2153-S1-AQ	Water	05/20/26 09:00	05/21/26 10:05	Hawaii
380-215489-2	BWS2153-S1-TB	Water	05/20/26 09:00	05/21/26 10:05	Hawaii

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

[illegible]

Loc: 380
215489

[illegible]

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-215489-1

SDG Number: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Login Number: 215489

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
CIO4 headspace requirement met (>50% for CA, >30% for other states).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-215489-1

SDG Number: Site S1 625.1, 8015B_DRO/_GRO, 8260B

Login Number: 215489

List Number: 2

Creator: Ferreira, Bruno

List Source: Eurofins Calscience

List Creation: 05/22/26 01:03 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	