

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

INTERA - Red-Hill-Incident
Site H1 625.1, 8015B_DRO/_GRO, 8260B

JOB NUMBER

380-204656-1

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
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Definitions/Glossary

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated 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: 380-204656-1

Job ID: 380-204656-1

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Job Narrative 380-204656-1

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 3/25/2026 10:00 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 2.3°C.

GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-717449. 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 570-717449 recovered outside control limits for the following analytes: 1,2,3-Trichlorobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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 SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-714257 and analytical batch 570-714932 recovered outside control limits for the following analytes: 1-Methylnaphthalene. Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

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

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.

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Detection Summary

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-204656-1

☐ No Detections.

Client Sample ID: BWS2253-H1-TB

Lab Sample ID: 380-204656-2

☐ No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-204656-1

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/25/26 10:00

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			03/31/26 22:37	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			03/31/26 22:37	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			03/31/26 22:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			03/31/26 22:37	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			03/31/26 22:37	1
1,1-Dichloroethane	<1.0		1.0	ug/L			03/31/26 22:37	1
1,1-Dichloroethene	<1.0		1.0	ug/L			03/31/26 22:37	1
1,1-Dichloropropene	<1.0		1.0	ug/L			03/31/26 22:37	1
1,2,3-Trichlorobenzene	<1.0	*+	1.0	ug/L			03/31/26 22:37	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			03/31/26 22:37	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			03/31/26 22:37	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
1,2-Dichloroethane	<0.50		0.50	ug/L			03/31/26 22:37	1
1,2-Dichloropropane	<1.0		1.0	ug/L			03/31/26 22:37	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
1,3-Dichloropropane	<1.0		1.0	ug/L			03/31/26 22:37	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
2,2-Dichloropropane	<1.0		1.0	ug/L			03/31/26 22:37	1
2-Butanone	<10		10	ug/L			03/31/26 22:37	1
2-Chlorotoluene	<1.0		1.0	ug/L			03/31/26 22:37	1
2-Hexanone	<10		10	ug/L			03/31/26 22:37	1
4-Chlorotoluene	<1.0		1.0	ug/L			03/31/26 22:37	1
Acetone	<10		10	ug/L			03/31/26 22:37	1
Benzene	<0.50		0.50	ug/L			03/31/26 22:37	1
Bromobenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
Bromochloromethane	<2.0		2.0	ug/L			03/31/26 22:37	1
Bromodichloromethane	<1.0		1.0	ug/L			03/31/26 22:37	1
Bromoform	<5.0		5.0	ug/L			03/31/26 22:37	1
Bromomethane	<10		10	ug/L			03/31/26 22:37	1
Carbon disulfide	<10		10	ug/L			03/31/26 22:37	1
Carbon tetrachloride	<0.50		0.50	ug/L			03/31/26 22:37	1
Chlorobenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
Chloroethane	<5.0		5.0	ug/L			03/31/26 22:37	1
Chloroform	<1.0		1.0	ug/L			03/31/26 22:37	1
Chloromethane	<10		10	ug/L			03/31/26 22:37	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			03/31/26 22:37	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			03/31/26 22:37	1
Dibromochloromethane	<2.0		2.0	ug/L			03/31/26 22:37	1
Dibromomethane	<1.0		1.0	ug/L			03/31/26 22:37	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			03/31/26 22:37	1
Diethyl ether	<10		10	ug/L			03/31/26 22:37	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			03/31/26 22:37	1
Ethanol	<100		100	ug/L			03/31/26 22:37	1
Ethylbenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
Ethylene Dibromide	<1.0		1.0	ug/L			03/31/26 22:37	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			03/31/26 22:37	1

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Client Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-204656-1

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/25/26 10:00

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			03/31/26 22:37	1
Hexane	<5.0		5.0	ug/L			03/31/26 22:37	1
Isobutyl alcohol	<75		75	ug/L			03/31/26 22:37	1
Isopropanol	<75		75	ug/L			03/31/26 22:37	1
Isopropylbenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
m,p-Xylene	<2.0		2.0	ug/L			03/31/26 22:37	1
Methylene Chloride	<10		10	ug/L			03/31/26 22:37	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			03/31/26 22:37	1
MIBK	<10		10	ug/L			03/31/26 22:37	1
Naphthalene	<10		10	ug/L			03/31/26 22:37	1
n-Butylbenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
N-Propylbenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
o-Xylene	<1.0		1.0	ug/L			03/31/26 22:37	1
p-Isopropyltoluene	<1.0		1.0	ug/L			03/31/26 22:37	1
sec-Butylbenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
Styrene	<1.0		1.0	ug/L			03/31/26 22:37	1
tert-Amyl alcohol	<50		50	ug/L			03/31/26 22:37	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			03/31/26 22:37	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			03/31/26 22:37	1
tert-Butylbenzene	<1.0		1.0	ug/L			03/31/26 22:37	1
Tetrachloroethene	<1.0		1.0	ug/L			03/31/26 22:37	1
Toluene	<1.0		1.0	ug/L			03/31/26 22:37	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			03/31/26 22:37	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			03/31/26 22:37	1
Trichloroethene	<1.0		1.0	ug/L			03/31/26 22:37	1
Trichlorofluoromethane	<10		10	ug/L			03/31/26 22:37	1
Vinyl acetate	<10		10	ug/L			03/31/26 22:37	1
Vinyl chloride	<0.50		0.50	ug/L			03/31/26 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		03/31/26 22:37	1
4-Bromofluorobenzene (Surr)	104		80 - 120		03/31/26 22:37	1
Dibromofluoromethane (Surr)	105		80 - 120		03/31/26 22:37	1
Toluene-d8 (Surr)	100		80 - 120		03/31/26 22:37	1

Method: EPA 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19	*1	0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
2-Methylnaphthalene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Acenaphthene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Acenaphthylene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Anthracene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Benzo[a]anthracene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Benzo[a]pyrene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Chrysene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Fluoranthene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1

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Client Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-204656-1

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/25/26 10:00

Method: EPA 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Naphthalene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Phenanthrene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1
Pyrene	<0.19		0.19	ug/L		03/25/26 21:49	04/02/26 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		28 - 127	03/25/26 21:49	04/02/26 20:28	1
2-Fluorobiphenyl (Surr)	87		31 - 120	03/25/26 21:49	04/02/26 20:28	1
2-Fluorophenol (Surr)	56		17 - 120	03/25/26 21:49	04/02/26 20:28	1
Nitrobenzene-d5 (Surr)	87		27 - 120	03/25/26 21:49	04/02/26 20:28	1
Phenol-d6 (Surr)	35		10 - 120	03/25/26 21:49	04/02/26 20:28	1
p-Terphenyl-d14 (Surr)	85		45 - 120	03/25/26 21:49	04/02/26 20:28	1

Method: EPA 625.1 - Semivolatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butylated Hydroxytoluene	8.8	T J N	ug/L		6.71	128-37-0	03/25/26 21:49	04/05/26 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		33 - 139	03/25/26 21:49	04/05/26 13:20	1
2-Fluorobiphenyl (Surr)	93		33 - 126	03/25/26 21:49	04/05/26 13:20	1
2-Fluorophenol (Surr)	62		12 - 120	03/25/26 21:49	04/05/26 13:20	1
Nitrobenzene-d5 (Surr)	92		36 - 120	03/25/26 21:49	04/05/26 13:20	1
Phenol-d6 (Surr)	37		10 - 120	03/25/26 21:49	04/05/26 13:20	1
p-Terphenyl-d14 (Surr)	90		47 - 131	03/25/26 21:49	04/05/26 13:20	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			04/03/26 22:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		38 - 134		04/03/26 22:22	1

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		03/27/26 10:35	04/02/26 14:40	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		03/27/26 10:35	04/02/26 14:40	1
C8-C18	<26		26	ug/L		03/27/26 10:35	04/02/26 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	90		60 - 130	03/27/26 10:35	04/02/26 14:40	1

Client Sample ID: BWS2253-H1-TB

Lab Sample ID: 380-204656-2

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/25/26 10:00

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			03/31/26 21:26	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			03/31/26 21:26	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			03/31/26 21:26	1

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Client Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-TB

Lab Sample ID: 380-204656-2

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/25/26 10:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			03/31/26 21:26	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			03/31/26 21:26	1
1,1-Dichloroethane	<1.0		1.0	ug/L			03/31/26 21:26	1
1,1-Dichloroethene	<1.0		1.0	ug/L			03/31/26 21:26	1
1,1-Dichloropropene	<1.0		1.0	ug/L			03/31/26 21:26	1
1,2,3-Trichlorobenzene	<1.0	*+	1.0	ug/L			03/31/26 21:26	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			03/31/26 21:26	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			03/31/26 21:26	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
1,2-Dichloroethane	<0.50		0.50	ug/L			03/31/26 21:26	1
1,2-Dichloropropane	<1.0		1.0	ug/L			03/31/26 21:26	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
1,3-Dichloropropane	<1.0		1.0	ug/L			03/31/26 21:26	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
2,2-Dichloropropane	<1.0		1.0	ug/L			03/31/26 21:26	1
2-Butanone	<10		10	ug/L			03/31/26 21:26	1
2-Chlorotoluene	<1.0		1.0	ug/L			03/31/26 21:26	1
2-Hexanone	<10		10	ug/L			03/31/26 21:26	1
4-Chlorotoluene	<1.0		1.0	ug/L			03/31/26 21:26	1
Acetone	<10		10	ug/L			03/31/26 21:26	1
Benzene	<0.50		0.50	ug/L			03/31/26 21:26	1
Bromobenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
Bromochloromethane	<2.0		2.0	ug/L			03/31/26 21:26	1
Bromodichloromethane	<1.0		1.0	ug/L			03/31/26 21:26	1
Bromoform	<5.0		5.0	ug/L			03/31/26 21:26	1
Bromomethane	<10		10	ug/L			03/31/26 21:26	1
Carbon disulfide	<10		10	ug/L			03/31/26 21:26	1
Carbon tetrachloride	<0.50		0.50	ug/L			03/31/26 21:26	1
Chlorobenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
Chloroethane	<5.0		5.0	ug/L			03/31/26 21:26	1
Chloroform	<1.0		1.0	ug/L			03/31/26 21:26	1
Chloromethane	<10		10	ug/L			03/31/26 21:26	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			03/31/26 21:26	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			03/31/26 21:26	1
Dibromochloromethane	<2.0		2.0	ug/L			03/31/26 21:26	1
Dibromomethane	<1.0		1.0	ug/L			03/31/26 21:26	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			03/31/26 21:26	1
Diethyl ether	<10		10	ug/L			03/31/26 21:26	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			03/31/26 21:26	1
Ethanol	<100		100	ug/L			03/31/26 21:26	1
Ethylbenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
Ethylene Dibromide	<1.0		1.0	ug/L			03/31/26 21:26	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			03/31/26 21:26	1
Hexachloro-1,3-butadiene	<10		10	ug/L			03/31/26 21:26	1
Hexane	<5.0		5.0	ug/L			03/31/26 21:26	1
Isobutyl alcohol	<75		75	ug/L			03/31/26 21:26	1

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Client Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-TB

Lab Sample ID: 380-204656-2

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/25/26 10:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropanol	<75		75	ug/L			03/31/26 21:26	1
Isopropylbenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
m,p-Xylene	<2.0		2.0	ug/L			03/31/26 21:26	1
Methylene Chloride	<10		10	ug/L			03/31/26 21:26	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			03/31/26 21:26	1
MIBK	<10		10	ug/L			03/31/26 21:26	1
Naphthalene	<10		10	ug/L			03/31/26 21:26	1
n-Butylbenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
N-Propylbenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
o-Xylene	<1.0		1.0	ug/L			03/31/26 21:26	1
p-Isopropyltoluene	<1.0		1.0	ug/L			03/31/26 21:26	1
sec-Butylbenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
Styrene	<1.0		1.0	ug/L			03/31/26 21:26	1
tert-Amyl alcohol	<50		50	ug/L			03/31/26 21:26	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			03/31/26 21:26	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			03/31/26 21:26	1
tert-Butylbenzene	<1.0		1.0	ug/L			03/31/26 21:26	1
Tetrachloroethene	<1.0		1.0	ug/L			03/31/26 21:26	1
Toluene	<1.0		1.0	ug/L			03/31/26 21:26	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			03/31/26 21:26	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			03/31/26 21:26	1
Trichloroethene	<1.0		1.0	ug/L			03/31/26 21:26	1
Trichlorofluoromethane	<10		10	ug/L			03/31/26 21:26	1
Vinyl acetate	<10		10	ug/L			03/31/26 21:26	1
Vinyl chloride	<0.50		0.50	ug/L			03/31/26 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 120		03/31/26 21:26	1
4-Bromofluorobenzene (Surr)	102		80 - 120		03/31/26 21:26	1
Dibromofluoromethane (Surr)	99		80 - 120		03/31/26 21:26	1
Toluene-d8 (Surr)	100		80 - 120		03/31/26 21:26	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			04/03/26 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		38 - 134		04/03/26 17:43	1

Action Limit Summary

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-204656-1

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
Benzo[a]pyrene	<0.19		ug/L	0.2		0.19	625.1 SIM	Total/NA

Client Sample ID: BWS2253-H1-TB

Lab Sample ID: 380-204656-2

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

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Action Limit Summary

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-TB (Continued)

Lab Sample ID: 380-204656-2

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
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

Surrogate Summary

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

Job ID: 380-204656-1
SDG: Site H1 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)
380-204656-1	BWS2253-H1-AQ	112	104	105	100
380-204656-2	BWS2253-H1-TB	110	102	99	100
LCS 570-717449/1003	Lab Control Sample	98	101	96	101
LCSD 570-717449/4	Lab Control Sample Dup	99	102	93	100
MB 570-717449/6	Method Blank	101	100	91	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-204656-1	BWS2253-H1-AQ	83	93	62	92	37	90
MB 570-714257/1-A	Method Blank	80	74	52	79	33	79

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-204656-1	BWS2253-H1-AQ	85	87	56	87	35	85
380-204658-A-1-A MS	Matrix Spike	80	80	62	70	41	87
380-204658-A-1-B MSD	Matrix Spike Duplicate	83	86	64	72	43	92
LCS 570-714257/2-A	Lab Control Sample	86	82	62	61	34	85
LCSD 570-714257/3-A	Lab Control Sample Dup	81	78	62	76	35	91
MB 570-714257/1-A	Method Blank	74	65	47	75	27	77

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Surrogate Summary

Client: City & County of Honolulu

Job ID: 380-204656-1

Project/Site: INTERA - Red-Hill-Incident

SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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)
380-204656-1	BWS2253-H1-AQ	102
380-204656-2	BWS2253-H1-TB	84
380-204658-B-1 MS	Matrix Spike	106
380-204658-B-1 MSD	Matrix Spike Duplicate	121
LCS 570-719037/1010	Lab Control Sample	101
LCSD 570-719037/11	Lab Control Sample Dup	96
MB 570-719037/12	Method Blank	81
MRL 570-719037/1005	Lab Control Sample	93

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)
380-204656-1	BWS2253-H1-AQ	90
380-204658-C-1-A MS	Matrix Spike	101
380-204658-C-1-B MSD	Matrix Spike Duplicate	102
LCS 570-715739/2-A	Lab Control Sample	103
LCSD 570-715739/3-A	Lab Control Sample Dup	103
MB 570-715739/1-A	Method Blank	100
MRL 570-715739/4-A	Lab Control Sample	98

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: MB 570-717449/6

Matrix: Water

Analysis Batch: 717449

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			03/31/26 16:43	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			03/31/26 16:43	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			03/31/26 16:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			03/31/26 16:43	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			03/31/26 16:43	1
1,1-Dichloroethane	<1.0		1.0	ug/L			03/31/26 16:43	1
1,1-Dichloroethene	<1.0		1.0	ug/L			03/31/26 16:43	1
1,1-Dichloropropene	<1.0		1.0	ug/L			03/31/26 16:43	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			03/31/26 16:43	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			03/31/26 16:43	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
1,2-Dichloroethane	<0.50		0.50	ug/L			03/31/26 16:43	1
1,2-Dichloropropane	<1.0		1.0	ug/L			03/31/26 16:43	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
1,3-Dichloropropane	<1.0		1.0	ug/L			03/31/26 16:43	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
2,2-Dichloropropane	<1.0		1.0	ug/L			03/31/26 16:43	1
2-Butanone	<10		10	ug/L			03/31/26 16:43	1
2-Chlorotoluene	<1.0		1.0	ug/L			03/31/26 16:43	1
2-Hexanone	<10		10	ug/L			03/31/26 16:43	1
4-Chlorotoluene	<1.0		1.0	ug/L			03/31/26 16:43	1
Acetone	<10		10	ug/L			03/31/26 16:43	1
Benzene	<0.50		0.50	ug/L			03/31/26 16:43	1
Bromobenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
Bromochloromethane	<2.0		2.0	ug/L			03/31/26 16:43	1
Bromodichloromethane	<1.0		1.0	ug/L			03/31/26 16:43	1
Bromoform	<5.0		5.0	ug/L			03/31/26 16:43	1
Bromomethane	<10		10	ug/L			03/31/26 16:43	1
Carbon disulfide	<10		10	ug/L			03/31/26 16:43	1
Carbon tetrachloride	<0.50		0.50	ug/L			03/31/26 16:43	1
Chlorobenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
Chloroethane	<5.0		5.0	ug/L			03/31/26 16:43	1
Chloroform	<1.0		1.0	ug/L			03/31/26 16:43	1
Chloromethane	<10		10	ug/L			03/31/26 16:43	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			03/31/26 16:43	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			03/31/26 16:43	1
Dibromochloromethane	<2.0		2.0	ug/L			03/31/26 16:43	1
Dibromomethane	<1.0		1.0	ug/L			03/31/26 16:43	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			03/31/26 16:43	1
Diethyl ether	<10		10	ug/L			03/31/26 16:43	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			03/31/26 16:43	1
Ethanol	<100		100	ug/L			03/31/26 16:43	1
Ethylbenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
Ethylene Dibromide	<1.0		1.0	ug/L			03/31/26 16:43	1

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QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: MB 570-717449/6

Matrix: Water

Analysis Batch: 717449

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			03/31/26 16:43	1
Hexachloro-1,3-butadiene	<10		10	ug/L			03/31/26 16:43	1
Hexane	<5.0		5.0	ug/L			03/31/26 16:43	1
Isobutyl alcohol	<75		75	ug/L			03/31/26 16:43	1
Isopropanol	<75		75	ug/L			03/31/26 16:43	1
Isopropylbenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
m,p-Xylene	<2.0		2.0	ug/L			03/31/26 16:43	1
Methylene Chloride	<10		10	ug/L			03/31/26 16:43	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			03/31/26 16:43	1
MIBK	<10		10	ug/L			03/31/26 16:43	1
Naphthalene	<10		10	ug/L			03/31/26 16:43	1
n-Butylbenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
N-Propylbenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
o-Xylene	<1.0		1.0	ug/L			03/31/26 16:43	1
p-Isopropyltoluene	<1.0		1.0	ug/L			03/31/26 16:43	1
sec-Butylbenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
Styrene	<1.0		1.0	ug/L			03/31/26 16:43	1
tert-Amyl alcohol	<50		50	ug/L			03/31/26 16:43	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			03/31/26 16:43	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			03/31/26 16:43	1
tert-Butylbenzene	<1.0		1.0	ug/L			03/31/26 16:43	1
Tetrachloroethene	<1.0		1.0	ug/L			03/31/26 16:43	1
Toluene	<1.0		1.0	ug/L			03/31/26 16:43	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			03/31/26 16:43	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			03/31/26 16:43	1
Trichloroethene	<1.0		1.0	ug/L			03/31/26 16:43	1
Trichlorofluoromethane	<10		10	ug/L			03/31/26 16:43	1
Vinyl acetate	<10		10	ug/L			03/31/26 16:43	1
Vinyl chloride	<0.50		0.50	ug/L			03/31/26 16:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		03/31/26 16:43	1
4-Bromofluorobenzene (Surr)	100		80 - 120		03/31/26 16:43	1
Dibromofluoromethane (Surr)	91		80 - 120		03/31/26 16:43	1
Toluene-d8 (Surr)	98		80 - 120		03/31/26 16:43	1

Lab Sample ID: LCS 570-717449/1003

Matrix: Water

Analysis Batch: 717449

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	21.0		ug/L		105	83 - 120
1,1,1-Trichloroethane	20.0	18.5		ug/L		92	78 - 123
1,1,2,2-Tetrachloroethane	20.0	18.6		ug/L		93	74 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.5		ug/L		107	72 - 130
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	82 - 120
1,1-Dichloroethane	20.0	18.4		ug/L		92	79 - 122
1,1-Dichloroethene	20.0	18.7		ug/L		94	74 - 127

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QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: LCS 570-717449/1003

Matrix: Water

Analysis Batch: 717449

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	20.0	18.2		ug/L		91	75 - 124
1,2,3-Trichlorobenzene	20.0	24.5		ug/L		123	71 - 126
1,2,3-Trichloropropane	20.0	20.9		ug/L		105	73 - 121
1,2,4-Trichlorobenzene	20.0	23.2		ug/L		116	70 - 130
1,2,4-Trimethylbenzene	20.0	19.4		ug/L		97	80 - 125
1,2-Dibromo-3-Chloropropane	20.0	21.9		ug/L		110	64 - 127
1,2-Dichlorobenzene	20.0	20.7		ug/L		104	78 - 122
1,2-Dichloroethane	20.0	20.5		ug/L		102	76 - 123
1,2-Dichloropropane	20.0	21.5		ug/L		108	82 - 120
1,3,5-Trimethylbenzene	20.0	20.0		ug/L		100	79 - 124
1,3-Dichlorobenzene	20.0	19.7		ug/L		98	81 - 120
1,3-Dichloropropane	20.0	20.6		ug/L		103	82 - 120
1,4-Dichlorobenzene	20.0	18.6		ug/L		93	78 - 121
2,2-Dichloropropane	20.0	19.5		ug/L		97	69 - 133
2-Butanone	20.0	19.7		ug/L		98	55 - 142
2-Chlorotoluene	20.0	20.1		ug/L		101	80 - 120
2-Hexanone	20.0	22.7		ug/L		113	54 - 138
4-Chlorotoluene	20.0	19.6		ug/L		98	80 - 121
Acetone	20.0	20.4		ug/L		102	50 - 157
Benzene	20.0	19.7		ug/L		99	80 - 120
Bromobenzene	20.0	20.0		ug/L		100	80 - 120
Bromochloromethane	20.0	19.7		ug/L		99	83 - 123
Bromodichloromethane	20.0	20.8		ug/L		104	83 - 120
Bromoform	20.0	23.7		ug/L		118	75 - 128
Bromomethane	20.0	21.2		ug/L		106	31 - 120
Carbon disulfide	20.0	17.2		ug/L		86	71 - 128
Carbon tetrachloride	20.0	19.5		ug/L		97	72 - 135
Chlorobenzene	20.0	20.2		ug/L		101	84 - 120
Chloroethane	20.0	18.2		ug/L		91	72 - 129
Chloroform	20.0	18.9		ug/L		95	79 - 120
Chloromethane	20.0	20.0		ug/L		100	36 - 148
cis-1,2-Dichloroethene	20.0	18.2		ug/L		91	81 - 120
cis-1,3-Dichloropropene	20.0	21.7		ug/L		109	76 - 125
Dibromochloromethane	20.0	22.4		ug/L		112	82 - 120
Dibromomethane	20.0	20.8		ug/L		104	85 - 120
Dichlorodifluoromethane	20.0	21.6		ug/L		108	52 - 147
Diethyl ether	20.0	20.8		ug/L		104	71 - 127
Di-isopropyl ether (DIPE)	20.0	19.1		ug/L		96	70 - 132
Ethanol	200	197		ug/L		98	48 - 163
Ethylbenzene	20.0	20.3		ug/L		101	81 - 120
Ethylene Dibromide	20.0	20.5		ug/L		103	81 - 120
Ethyl-t-butyl ether (ETBE)	20.0	19.9		ug/L		99	68 - 126
Isopropylbenzene	20.0	19.5		ug/L		98	80 - 122
m,p-Xylene	40.0	40.6		ug/L		102	79 - 122
Methylene Chloride	20.0	17.7		ug/L		89	76 - 120
Methyl-t-Butyl Ether (MTBE)	20.0	19.5		ug/L		97	70 - 124
MIBK	20.0	21.9		ug/L		109	57 - 133
Naphthalene	20.0	22.3		ug/L		111	64 - 124
n-Butylbenzene	20.0	19.4		ug/L		97	78 - 127

Eurofins Pomona

QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: LCS 570-717449/1003

Matrix: Water

Analysis Batch: 717449

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Propylbenzene	20.0	20.0		ug/L		100	80 - 121
o-Xylene	20.0	20.1		ug/L		100	81 - 120
p-Isopropyltoluene	20.0	19.3		ug/L		96	81 - 124
sec-Butylbenzene	20.0	18.8		ug/L		94	80 - 123
Styrene	20.0	20.4		ug/L		102	82 - 120
tert-Amyl alcohol	100	97.0		ug/L		97	30 - 157
Tert-amyl-methyl ether (TAME)	20.0	21.4		ug/L		107	71 - 121
tert-Butyl alcohol (TBA)	100	93.6		ug/L		94	68 - 128
tert-Butylbenzene	20.0	19.1		ug/L		96	80 - 124
Tetrachloroethene	20.0	20.3		ug/L		102	78 - 126
Toluene	20.0	19.7		ug/L		99	82 - 120
trans-1,2-Dichloroethene	20.0	17.2		ug/L		86	79 - 122
trans-1,3-Dichloropropene	20.0	21.9		ug/L		110	73 - 127
Trichloroethene	20.0	20.5		ug/L		102	83 - 120
Trichlorofluoromethane	20.0	20.1		ug/L		101	74 - 135
Vinyl acetate	20.0	21.5		ug/L		108	56 - 135
Vinyl chloride	20.0	19.2		ug/L		96	68 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	96		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-717449/4

Matrix: Water

Analysis Batch: 717449

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	20.1		ug/L		101	83 - 120	4	20
1,1,1-Trichloroethane	20.0	18.0		ug/L		90	78 - 123	2	20
1,1,2,2-Tetrachloroethane	20.0	18.8		ug/L		94	74 - 125	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.4		ug/L		102	72 - 130	5	20
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	82 - 120	7	20
1,1-Dichloroethane	20.0	18.3		ug/L		91	79 - 122	1	20
1,1-Dichloroethene	20.0	17.9		ug/L		89	74 - 127	5	20
1,1-Dichloropropene	20.0	17.3		ug/L		87	75 - 124	5	20
1,2,3-Trichlorobenzene	20.0	25.9	*+	ug/L		130	71 - 126	6	20
1,2,3-Trichloropropane	20.0	20.4		ug/L		102	73 - 121	3	20
1,2,4-Trichlorobenzene	20.0	23.1		ug/L		115	70 - 130	1	20
1,2,4-Trimethylbenzene	20.0	18.8		ug/L		94	80 - 125	3	20
1,2-Dibromo-3-Chloropropane	20.0	21.9		ug/L		109	64 - 127	0	20
1,2-Dichlorobenzene	20.0	20.0		ug/L		100	78 - 122	3	20
1,2-Dichloroethane	20.0	20.7		ug/L		103	76 - 123	1	20
1,2-Dichloropropane	20.0	20.8		ug/L		104	82 - 120	3	20
1,3,5-Trimethylbenzene	20.0	19.5		ug/L		97	79 - 124	2	20
1,3-Dichlorobenzene	20.0	19.0		ug/L		95	81 - 120	3	20
1,3-Dichloropropane	20.0	20.4		ug/L		102	82 - 120	1	20

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QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: LCSD 570-717449/4

Matrix: Water

Analysis Batch: 717449

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
1,4-Dichlorobenzene	20.0	19.3		ug/L		97	78 - 121	4	20
2,2-Dichloropropane	20.0	18.5		ug/L		92	69 - 133	5	20
2-Butanone	20.0	18.7		ug/L		94	55 - 142	5	21
2-Chlorotoluene	20.0	20.1		ug/L		101	80 - 120	0	20
2-Hexanone	20.0	23.0		ug/L		115	54 - 138	1	21
4-Chlorotoluene	20.0	19.9		ug/L		100	80 - 121	2	20
Acetone	20.0	19.9		ug/L		99	50 - 157	3	26
Benzene	20.0	19.0		ug/L		95	80 - 120	4	20
Bromobenzene	20.0	20.4		ug/L		102	80 - 120	2	20
Bromochloromethane	20.0	18.6		ug/L		93	83 - 123	6	20
Bromodichloromethane	20.0	20.2		ug/L		101	83 - 120	3	20
Bromoform	20.0	23.6		ug/L		118	75 - 128	0	20
Bromomethane	20.0	17.3		ug/L		87	31 - 120	20	22
Carbon disulfide	20.0	16.6		ug/L		83	71 - 128	4	20
Carbon tetrachloride	20.0	18.6		ug/L		93	72 - 135	5	20
Chlorobenzene	20.0	19.5		ug/L		98	84 - 120	3	20
Chloroethane	20.0	17.4		ug/L		87	72 - 129	5	20
Chloroform	20.0	18.1		ug/L		90	79 - 120	5	20
Chloromethane	20.0	18.9		ug/L		94	36 - 148	6	20
cis-1,2-Dichloroethene	20.0	17.0		ug/L		85	81 - 120	7	20
cis-1,3-Dichloropropene	20.0	20.9		ug/L		105	76 - 125	4	20
Dibromochloromethane	20.0	21.8		ug/L		109	82 - 120	3	20
Dibromomethane	20.0	19.7		ug/L		98	85 - 120	6	20
Dichlorodifluoromethane	20.0	21.3		ug/L		106	52 - 147	2	20
Diethyl ether	20.0	19.5		ug/L		97	71 - 127	7	20
Di-isopropyl ether (DIPE)	20.0	18.0		ug/L		90	70 - 132	6	20
Ethanol	200	198		ug/L		99	48 - 163	1	30
Ethylbenzene	20.0	19.5		ug/L		98	81 - 120	4	20
Ethylene Dibromide	20.0	20.8		ug/L		104	81 - 120	2	20
Ethyl-t-butyl ether (ETBE)	20.0	19.4		ug/L		97	68 - 126	2	20
Isopropylbenzene	20.0	19.1		ug/L		96	80 - 122	2	20
m,p-Xylene	40.0	38.6		ug/L		96	79 - 122	5	20
Methylene Chloride	20.0	17.6		ug/L		88	76 - 120	1	20
Methyl-t-Butyl Ether (MTBE)	20.0	19.0		ug/L		95	70 - 124	2	20
MIBK	20.0	20.8		ug/L		104	57 - 133	5	20
Naphthalene	20.0	22.5		ug/L		113	64 - 124	1	20
n-Butylbenzene	20.0	18.9		ug/L		94	78 - 127	3	20
N-Propylbenzene	20.0	19.3		ug/L		97	80 - 121	3	20
o-Xylene	20.0	19.4		ug/L		97	81 - 120	4	20
p-Isopropyltoluene	20.0	18.5		ug/L		93	81 - 124	4	20
sec-Butylbenzene	20.0	18.1		ug/L		91	80 - 123	3	20
Styrene	20.0	19.7		ug/L		99	82 - 120	3	20
tert-Amyl alcohol	100	97.9		ug/L		98	30 - 157	1	30
Tert-amyl-methyl ether (TAME)	20.0	20.7		ug/L		104	71 - 121	3	20
tert-Butyl alcohol (TBA)	100	104		ug/L		104	68 - 128	10	20
tert-Butylbenzene	20.0	17.5		ug/L		87	80 - 124	9	20
Tetrachloroethene	20.0	19.8		ug/L		99	78 - 126	3	20
Toluene	20.0	19.0		ug/L		95	82 - 120	4	20
trans-1,2-Dichloroethene	20.0	16.2		ug/L		81	79 - 122	6	20

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QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: LCSD 570-717449/4

Matrix: Water

Analysis Batch: 717449

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
trans-1,3-Dichloropropene	20.0	22.0		ug/L		110	73 - 127	0	20
Trichloroethene	20.0	19.3		ug/L		96	83 - 120	6	20
Trichlorofluoromethane	20.0	18.6		ug/L		93	74 - 135	8	20
Vinyl acetate	20.0	17.8		ug/L		89	56 - 135	19	24
Vinyl chloride	20.0	18.1		ug/L		91	68 - 131	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	93		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-714257/1-A

Matrix: Water

Analysis Batch: 719742

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 714257

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	03/25/26 08:00	04/05/26 08:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		33 - 139	03/25/26 08:00	04/05/26 08:05	1
2-Fluorobiphenyl (Surr)	74		33 - 126	03/25/26 08:00	04/05/26 08:05	1
2-Fluorophenol (Surr)	52		12 - 120	03/25/26 08:00	04/05/26 08:05	1
Nitrobenzene-d5 (Surr)	79		36 - 120	03/25/26 08:00	04/05/26 08:05	1
Phenol-d6 (Surr)	33		10 - 120	03/25/26 08:00	04/05/26 08:05	1
p-Terphenyl-d14 (Surr)	79		47 - 131	03/25/26 08:00	04/05/26 08:05	1

Method: 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Lab Sample ID: MB 570-714257/1-A

Matrix: Water

Analysis Batch: 714932

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 714257

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
2-Methylnaphthalene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Acenaphthene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Acenaphthylene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Anthracene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Benzo[a]anthracene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Benzo[a]pyrene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Chrysene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1

Eurofins Pomona

QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Method: 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM) (Continued)

Lab Sample ID: MB 570-714257/1-A

Matrix: Water

Analysis Batch: 714932

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 714257

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Fluorene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Naphthalene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Phenanthrene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1
Pyrene	<0.20		0.20	ug/L		03/25/26 08:00	03/26/26 06:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	74		28 - 127	03/25/26 08:00	03/26/26 06:17	1
2-Fluorobiphenyl (Surr)	65		31 - 120	03/25/26 08:00	03/26/26 06:17	1
2-Fluorophenol (Surr)	47		17 - 120	03/25/26 08:00	03/26/26 06:17	1
Nitrobenzene-d5 (Surr)	75		27 - 120	03/25/26 08:00	03/26/26 06:17	1
Phenol-d6 (Surr)	27		10 - 120	03/25/26 08:00	03/26/26 06:17	1
p-Terphenyl-d14 (Surr)	77		45 - 120	03/25/26 08:00	03/26/26 06:17	1

Lab Sample ID: LCS 570-714257/2-A

Matrix: Water

Analysis Batch: 714932

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 714257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	14.4		ug/L		72	47 - 120
2-Methylnaphthalene	20.0	13.5		ug/L		67	43 - 120
Acenaphthene	20.0	17.1		ug/L		85	60 - 132
Acenaphthylene	20.0	16.3		ug/L		82	54 - 126
Anthracene	20.0	16.7		ug/L		84	43 - 120
Benzo[a]anthracene	20.0	17.9		ug/L		89	42 - 133
Benzo[a]pyrene	20.0	16.7		ug/L		84	32 - 148
Benzo[b]fluoranthene	20.0	17.4		ug/L		87	42 - 140
Benzo[g,h,i]perylene	20.0	19.0		ug/L		95	1 - 195
Benzo[k]fluoranthene	20.0	17.5		ug/L		87	25 - 146
Chrysene	20.0	17.6		ug/L		88	44 - 140
Dibenz(a,h)anthracene	20.0	19.9		ug/L		99	1 - 200
Fluoranthene	20.0	16.5		ug/L		83	43 - 121
Fluorene	20.0	17.4		ug/L		87	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	19.0		ug/L		95	1 - 151
Naphthalene	20.0	14.2		ug/L		71	36 - 120
Phenanthrene	20.0	17.1		ug/L		85	65 - 120
Pyrene	20.0	18.1		ug/L		90	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	86		28 - 127
2-Fluorobiphenyl (Surr)	82		31 - 120
2-Fluorophenol (Surr)	62		17 - 120
Nitrobenzene-d5 (Surr)	61		27 - 120
Phenol-d6 (Surr)	34		10 - 120
p-Terphenyl-d14 (Surr)	85		45 - 120

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QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Method: 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM) (Continued)

Lab Sample ID: LCSD 570-714257/3-A

Matrix: Water

Analysis Batch: 714932

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 714257

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	18.6	*1	ug/L		93	47 - 120	25	20
2-Methylnaphthalene	20.0	16.4		ug/L		82	43 - 120	19	20
Acenaphthene	20.0	16.8		ug/L		84	60 - 132	2	29
Acenaphthylene	20.0	16.6		ug/L		83	54 - 126	2	45
Anthracene	20.0	17.1		ug/L		86	43 - 120	2	40
Benzo[a]anthracene	20.0	17.3		ug/L		87	42 - 133	3	32
Benzo[a]pyrene	20.0	15.8		ug/L		79	32 - 148	6	43
Benzo[b]fluoranthene	20.0	16.7		ug/L		83	42 - 140	4	43
Benzo[g,h,i]perylene	20.0	18.5		ug/L		93	1 - 195	3	61
Benzo[k]fluoranthene	20.0	16.4		ug/L		82	25 - 146	6	38
Chrysene	20.0	17.3		ug/L		87	44 - 140	2	53
Dibenz(a,h)anthracene	20.0	20.0		ug/L		100	1 - 200	1	75
Fluoranthene	20.0	17.6		ug/L		88	43 - 121	6	40
Fluorene	20.0	16.9		ug/L		84	70 - 120	3	23
Indeno[1,2,3-cd]pyrene	20.0	18.6		ug/L		93	1 - 151	2	60
Naphthalene	20.0	16.5		ug/L		83	36 - 120	15	39
Phenanthrene	20.0	17.7		ug/L		89	65 - 120	4	24
Pyrene	20.0	20.0		ug/L		100	70 - 120	10	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	81		28 - 127
2-Fluorobiphenyl (Surr)	78		31 - 120
2-Fluorophenol (Surr)	62		17 - 120
Nitrobenzene-d5 (Surr)	76		27 - 120
Phenol-d6 (Surr)	35		10 - 120
p-Terphenyl-d14 (Surr)	91		45 - 120

Lab Sample ID: 380-204658-A-1-A MS

Matrix: Water

Analysis Batch: 718659

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 714257

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19	*1	19.4	14.2		ug/L		73	36 - 120
2-Methylnaphthalene	<0.19		19.4	13.7		ug/L		70	32 - 124
Acenaphthene	<0.19		19.4	15.8		ug/L		82	47 - 145
Acenaphthylene	<0.19		19.4	16.4		ug/L		84	33 - 145
Anthracene	<0.19		19.4	15.4		ug/L		79	27 - 133
Benzo[a]anthracene	<0.19		19.4	16.8		ug/L		86	33 - 143
Benzo[a]pyrene	<0.19		19.4	17.7		ug/L		91	17 - 163
Benzo[b]fluoranthene	<0.19		19.4	17.2		ug/L		89	24 - 159
Benzo[g,h,i]perylene	<0.19		19.4	15.5		ug/L		80	1 - 219
Benzo[k]fluoranthene	<0.19		19.4	16.1		ug/L		83	11 - 162
Chrysene	<0.19		19.4	16.0		ug/L		83	17 - 168
Dibenz(a,h)anthracene	<0.19		19.4	16.3		ug/L		84	1 - 227
Fluoranthene	<0.19		19.4	15.8		ug/L		82	26 - 137
Fluorene	<0.19		19.4	15.9		ug/L		82	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.4	15.9		ug/L		82	1 - 171
Naphthalene	<0.19		19.4	13.2		ug/L		68	21 - 133

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QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Method: 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM) (Continued)

Lab Sample ID: 380-204658-A-1-A MS

Matrix: Water

Analysis Batch: 718659

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 714257

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	<0.19		19.4	15.6		ug/L		80	54 - 120
Pyrene	<0.19		19.4	16.9		ug/L		87	52 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	80		28 - 127
2-Fluorobiphenyl (Surr)	80		31 - 120
2-Fluorophenol (Surr)	62		17 - 120
Nitrobenzene-d5 (Surr)	70		27 - 120
Phenol-d6 (Surr)	41		10 - 120
p-Terphenyl-d14 (Surr)	87		45 - 120

Lab Sample ID: 380-204658-A-1-B MSD

Matrix: Water

Analysis Batch: 718659

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 714257

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19	*1	19.6	14.9		ug/L		76	36 - 120	4	30
2-Methylnaphthalene	<0.19		19.6	14.5		ug/L		74	32 - 124	6	30
Acenaphthene	<0.19		19.6	16.9		ug/L		86	47 - 145	6	48
Acenaphthylene	<0.19		19.6	17.3		ug/L		88	33 - 145	6	74
Anthracene	<0.19		19.6	16.6		ug/L		84	27 - 133	7	66
Benzo[a]anthracene	<0.19		19.6	18.2		ug/L		93	33 - 143	8	53
Benzo[a]pyrene	<0.19		19.6	19.5		ug/L		99	17 - 163	10	72
Benzo[b]fluoranthene	<0.19		19.6	18.8		ug/L		96	24 - 159	9	71
Benzo[g,h,i]perylene	<0.19		19.6	16.8		ug/L		85	1 - 219	8	97
Benzo[k]fluoranthene	<0.19		19.6	17.8		ug/L		90	11 - 162	10	63
Chrysene	<0.19		19.6	17.3		ug/L		88	17 - 168	8	87
Dibenz(a,h)anthracene	<0.19		19.6	17.8		ug/L		90	1 - 227	8	126
Fluoranthene	<0.19		19.6	17.0		ug/L		87	26 - 137	7	66
Fluorene	<0.19		19.6	16.7		ug/L		85	59 - 121	5	38
Indeno[1,2,3-cd]pyrene	<0.19		19.6	17.2		ug/L		87	1 - 171	8	99
Naphthalene	<0.19		19.6	13.9		ug/L		71	21 - 133	5	65
Phenanthrene	<0.19		19.6	16.8		ug/L		85	54 - 120	7	39
Pyrene	<0.19		19.6	18.2		ug/L		93	52 - 120	7	49

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	83		28 - 127
2-Fluorobiphenyl (Surr)	86		31 - 120
2-Fluorophenol (Surr)	64		17 - 120
Nitrobenzene-d5 (Surr)	72		27 - 120
Phenol-d6 (Surr)	43		10 - 120
p-Terphenyl-d14 (Surr)	92		45 - 120

QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: MB 570-719037/12

Matrix: Water

Analysis Batch: 719037

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			04/03/26 14:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		38 - 134				04/03/26 14:33	1

Lab Sample ID: LCS 570-719037/1010

Matrix: Water

Analysis Batch: 719037

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	424		ug/L		106	78 - 120	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	101		38 - 134					

Lab Sample ID: LCSD 570-719037/11

Matrix: Water

Analysis Batch: 719037

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	416		ug/L		104	78 - 120	2	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	96		38 - 134						

Lab Sample ID: MRL 570-719037/1005

Matrix: Water

Analysis Batch: 719037

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	11.9		ug/L		119	50 - 150	
Surrogate	MRL %Recovery	MRL Qualifier	Limits					
4-Bromofluorobenzene (Surr)	93		38 - 134					

Lab Sample ID: 380-204658-B-1 MS

Matrix: Water

Analysis Batch: 719037

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	426		ug/L		106	68 - 122	
Surrogate	MS %Recovery	MS Qualifier	Limits							
4-Bromofluorobenzene (Surr)	106		38 - 134							

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QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: 380-204658-B-1 MSD

Matrix: Water

Analysis Batch: 719037

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	428		ug/L		107	68 - 122	0	18
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	121		38 - 134								

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

Lab Sample ID: MB 570-715739/1-A

Matrix: Water

Analysis Batch: 718519

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 715739

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		03/27/26 10:35	04/02/26 11:47	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		03/27/26 10:35	04/02/26 11:47	1
C8-C18	<25		25	ug/L		03/27/26 10:35	04/02/26 11:47	1
Surrogate	%Recovery	MB Qualifier	MB Limits					Dil Fac
n-Octacosane (Surr)	100		60 - 130					1

Lab Sample ID: LCS 570-715739/2-A

Matrix: Water

Analysis Batch: 718519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 715739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD
C10-C28	1600	1440		ug/L		90	56 - 127	
Surrogate	%Recovery	LCS Qualifier	LCS Limits					
n-Octacosane (Surr)	103		60 - 130					

Lab Sample ID: LCSD 570-715739/3-A

Matrix: Water

Analysis Batch: 718519

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 715739

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1470		ug/L		92	56 - 127	2	23
Surrogate	%Recovery	LCSD Qualifier	LCSD Limits						
n-Octacosane (Surr)	103		60 - 130						

Lab Sample ID: MRL 570-715739/4-A

Matrix: Water

Analysis Batch: 718519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 715739

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits	RPD
C10-C28	0.0200	0.0255		mg/L		127	50 - 150	

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QC Sample Results

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: MRL 570-715739/4-A
Matrix: Water
Analysis Batch: 718519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715739

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
n-Octacosane (Surr)	98		60 - 130

Lab Sample ID: 380-204658-C-1-A MS
Matrix: Water
Analysis Batch: 718519

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 715739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<26		1650	1520		ug/L		92	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
n-Octacosane (Surr)	101		60 - 130						

Lab Sample ID: 380-204658-C-1-B MSD
Matrix: Water
Analysis Batch: 718519

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 715739

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1630	1540		ug/L		94	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
n-Octacosane (Surr)	102		60 - 130								

QC Association Summary

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

GC/MS VOA

Analysis Batch: 717449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204656-1	BWS2253-H1-AQ	Total/NA	Water	8260B	
380-204656-2	BWS2253-H1-TB	Total/NA	Water	8260B	
MB 570-717449/6	Method Blank	Total/NA	Water	8260B	
LCS 570-717449/1003	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-717449/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 714257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204656-1	BWS2253-H1-AQ	Total/NA	Water	625.1	
MB 570-714257/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-714257/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-714257/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-204658-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-204658-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 714932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-714257/1-A	Method Blank	Total/NA	Water	625.1 SIM	714257
LCS 570-714257/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	714257
LCSD 570-714257/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	714257

Analysis Batch: 718659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204656-1	BWS2253-H1-AQ	Total/NA	Water	625.1 SIM	714257
380-204658-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	714257
380-204658-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	714257

Analysis Batch: 719742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204656-1	BWS2253-H1-AQ	Total/NA	Water	625.1	714257
MB 570-714257/1-A	Method Blank	Total/NA	Water	625.1	714257

GC VOA

Analysis Batch: 719037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204656-1	BWS2253-H1-AQ	Total/NA	Water	8015B GRO LL	
380-204656-2	BWS2253-H1-TB	Total/NA	Water	8015B GRO LL	
MB 570-719037/12	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-719037/1010	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-719037/11	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-719037/1005	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-204658-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-204658-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 715739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204656-1	BWS2253-H1-AQ	Total/NA	Water	3510C	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

GC Semi VOA (Continued)

Prep Batch: 715739 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-715739/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-715739/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-715739/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-715739/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-204658-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-204658-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 718519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204656-1	BWS2253-H1-AQ	Total/NA	Water	8015B	715739
MB 570-715739/1-A	Method Blank	Total/NA	Water	8015B	715739
LCS 570-715739/2-A	Lab Control Sample	Total/NA	Water	8015B	715739
LCSD 570-715739/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	715739
MRL 570-715739/4-A	Lab Control Sample	Total/NA	Water	8015B	715739
380-204658-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	715739
380-204658-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	715739

Prep Batch: 722504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204656-1 - RA2	BWS2253-H1-AQ	Total/NA	Water	3510C	
MB 570-722504/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-722504/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-722504/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-722504/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-206949-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-206949-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 722774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204656-1 - RA2	BWS2253-H1-AQ	Total/NA	Water	8015B	722504
MB 570-722504/1-A	Method Blank	Total/NA	Water	8015B	722504
LCS 570-722504/2-A	Lab Control Sample	Total/NA	Water	8015B	722504
LCSD 570-722504/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	722504
MRL 570-722504/4-A	Lab Control Sample	Total/NA	Water	8015B	722504
380-206949-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	722504
380-206949-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	722504

Lab Chronicle

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

Job ID: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-204656-1

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/25/26 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717449	PT	EET CAL 4	03/31/26 22:37
Total/NA	Prep	625.1			714257	BN8X	EET CAL 4	03/25/26 21:49
Total/NA	Analysis	625.1		1	719742	PQS1	EET CAL 4	04/05/26 13:20
Total/NA	Prep	625.1			714257	BN8X	EET CAL 4	03/25/26 21:49
Total/NA	Analysis	625.1 SIM		1	718659	PQS1	EET CAL 4	04/02/26 20:28
Total/NA	Analysis	8015B GRO LL		1	719037	A9VE	EET CAL 4	04/03/26 22:22
Total/NA	Prep	3510C			715739	EP2G	EET CAL 4	03/27/26 10:35
Total/NA	Analysis	8015B		1	718519	NR	EET CAL 4	04/02/26 14:40
Total/NA	Prep	3510C	RA2		722504	EP2G	EET CAL 4	04/10/26 09:57
Total/NA	Analysis	8015B	RA2	1	722774	H6FE	EET CAL 4	04/11/26 00:24

Client Sample ID: BWS2253-H1-TB

Lab Sample ID: 380-204656-2

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/25/26 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717449	PT	EET CAL 4	03/31/26 21:26
Total/NA	Analysis	8015B GRO LL		1	719037	A9VE	EET CAL 4	04/03/26 17:43

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: 380-204656-1
SDG: Site H1 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	07-31-26
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	06-08-26
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: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET CAL 4
625.1 SIM	Semivolatile Organic Compounds GC/MS (SIM)	EPA	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
625.1	Liquid-Liquid Extraction	40CFR136A	EET CAL 4

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

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: 380-204656-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-204656-1	BWS2253-H1-AQ	Water	03/24/26 09:30	03/25/26 10:00	Hawaii
380-204656-2	BWS2253-H1-TB	Water	03/24/26 09:30	03/25/26 10:00	Hawaii

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Eurofins Pomona
941 Corporate Center Drive
Pomona, CA 91768-2642
Phone: 626-386-1100

Chain of Custody Record



eurofins

Loc: 380
E 204656

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Lopez, Maria		Carrier Tracking No(s): N/A		COC No: 380-317763.1					
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Maria.Lopez@et.eurofinsus.com		State of Origin: Hawaii		Page: Page 1 of 1					
Company: Eurofins Environment Testing Southwest L				Accreditations Required (See note): State - Hawaii				Job #: 380-204656-1					
Address: 2841 Dow Avenue, Suite 100,		Due Date Requested: 4/7/2026		Analysis Requested						Preservation Codes:			
City: Tustin		TAT Requested (days): N/A		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260B/5030C(MOD) Super Volatiles List 8015B_DRO_LL_CS2510C_LLHNL Ranges: C10- C24/C24-C36/C4-C18 8015B_GRO_LL/5030C(MOD) GRO 625.1_SIMM25_Prep(MOD) Extended PAH List						 380-204656 Chain of Custody			
State, Zip: CA, 92780		PO #: N/A											
Phone: 714-895-5494(Tel)		WO #: N/A											
Email: N/A		Project #: 38000861											
Project Name: INTERA - Red-Hill-Incident		SSOW#: N/A											
Site: Honolulu BWS Sites										Other: N/A			
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Total Number of containers		Special Instructions/Note:	
						Preservation Code:							
BWS2253-H1-AQ (380-204656-1)		3/24/26		09:30 Hawaiian		G		Water		13		MRLs are needed. Confirm any hits >RL., MRLs are needed.	
BWS2253-H1-TB (380-204656-2)		3/24/26		09:30 Hawaiian		G		Water		4		MRLs are needed. Confirm any hits >RL., MRLs are needed.	
Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater West, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater West, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater West, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater West, LLC.													
Possible Hazard Identification													
Unconfirmed													
Deliverable Requested: I, II, III, IV, Other (specify)													
Primary Deliverable Rank: 2													
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months													
Special Instructions/QC Requirements:													
Empty Kit Relinquished by:													
Date:													
Time:													
Method of Shipment:													
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
V. Varkurathin		3/25/26 1500		CEAP		[Signature]		3/25/26 1500		WAY			
[Signature]		3/25/26 16:13		WAY		[Signature]		3/25/26 16:13		EC			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact: ☐ Yes ☐ No													
Custody Seal No.:													
Cooler Temperature(s) °C and Other Remarks: 4.6/4.2 3.8/3.9 3.4/3.5 125													

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-204656-1

SDG Number: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Login Number: 204656

List Number: 1

Creator: Tran, Kristine

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).	N/A	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-204656-1

SDG Number: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Login Number: 204656

List Number: 2

Creator: Szymborski, Jessica

List Source: Eurofins Calscience

List Creation: 03/25/26 08:00 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	
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	4.6/4.7 ,3.8/3.9, 3.4/3.5
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	