



ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

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

JOB NUMBER

380-210014-1

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



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Table of Contents

Cover Page 1

Table of Contents 3

Definitions/Glossary 4

Case Narrative 5

Detection Summary 6

Client Sample Results 7

Action Limit Summary 12

Surrogate Summary 14

QC Sample Results 16

QC Association Summary 27

Lab Chronicle 28

Certification Summary 29

Method Summary 30

Sample Summary 31

Chain of Custody 32

Receipt Checklists 34



Definitions/Glossary

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

Job ID: 380-210014-1
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
F1	MS and/or MSD recovery exceeds control limits.

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: 380-210014-1

Job ID: 380-210014-1

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Job Narrative 380-210014-1

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 4/23/2026 9:40 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 2.9°C.

GC/MS VOA

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 570-732557 recovered outside control limits for the following analytes: Bromomethane. 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 following analyte(s) recovered outside control limits for the LCS associated with analytical batch 570-732557: Hexachloro-1,3-butadiene and Hexane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-732557. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: The continuing calibration verification (CCV) associated with batch 570-732557 recovered above the upper control limit for Ethanol and Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: BWS2253-H1-AQ (380-210014-1), Travel Blanks (380-210014-2) and (CCVIS 570-732557/6).

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-729809 and analytical batch 570-729996 were outside control limits. Sample matrix interference is suspected.

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

Method 8015B: The method reporting limit check (MRL) for preparation batch 570-728927 and analytical batch 570-732313 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

Method 8015B: The Diesel Range Organics C8-C18 reported as a positive detection for the following sample: BWS2253-H1-AQ (380-210014-1), is due to the presence of discrete peaks. Re-extraction and re-analysis were performed for confirmation. Due to these discrete peaks interfering with the analysis, data for 8015B_DRO was omitted. A follow up sample was collected on 05/06/26 under job # 380-212246, analysis for 8015B_DRO is currently in progress. (XWB4)

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: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-210014-1

☐ No Detections.

Client Sample ID: Travel Blanks

Lab Sample ID: 380-210014-2

☐ 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: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-210014-1

Date Collected: 04/22/26 11:30

Matrix: Water

Date Received: 04/23/26 09:40

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			05/01/26 12:41	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			05/01/26 12:41	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			05/01/26 12:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			05/01/26 12:41	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			05/01/26 12:41	1
1,1-Dichloroethane	<1.0		1.0	ug/L			05/01/26 12:41	1
1,1-Dichloroethene	<1.0		1.0	ug/L			05/01/26 12:41	1
1,1-Dichloropropene	<1.0		1.0	ug/L			05/01/26 12:41	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			05/01/26 12:41	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			05/01/26 12:41	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
1,2-Dichloroethane	<0.50		0.50	ug/L			05/01/26 12:41	1
1,2-Dichloropropane	<1.0		1.0	ug/L			05/01/26 12:41	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
1,3-Dichloropropane	<1.0		1.0	ug/L			05/01/26 12:41	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
2,2-Dichloropropane	<1.0		1.0	ug/L			05/01/26 12:41	1
2-Butanone	<10		10	ug/L			05/01/26 12:41	1
2-Chlorotoluene	<1.0		1.0	ug/L			05/01/26 12:41	1
2-Hexanone	<10		10	ug/L			05/01/26 12:41	1
4-Chlorotoluene	<1.0		1.0	ug/L			05/01/26 12:41	1
Acetone	<10		10	ug/L			05/01/26 12:41	1
Benzene	<0.50		0.50	ug/L			05/01/26 12:41	1
Bromobenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
Bromochloromethane	<2.0		2.0	ug/L			05/01/26 12:41	1
Bromodichloromethane	<1.0		1.0	ug/L			05/01/26 12:41	1
Bromoform	<5.0		5.0	ug/L			05/01/26 12:41	1
Bromomethane	<10	+	10	ug/L			05/01/26 12:41	1
Carbon disulfide	<10		10	ug/L			05/01/26 12:41	1
Carbon tetrachloride	<0.50		0.50	ug/L			05/01/26 12:41	1
Chlorobenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
Chloroethane	<5.0		5.0	ug/L			05/01/26 12:41	1
Chloroform	<1.0		1.0	ug/L			05/01/26 12:41	1
Chloromethane	<10		10	ug/L			05/01/26 12:41	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			05/01/26 12:41	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			05/01/26 12:41	1
Dibromochloromethane	<2.0		2.0	ug/L			05/01/26 12:41	1
Dibromomethane	<1.0		1.0	ug/L			05/01/26 12:41	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			05/01/26 12:41	1
Diethyl ether	<10		10	ug/L			05/01/26 12:41	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			05/01/26 12:41	1
Ethanol	<100		100	ug/L			05/01/26 12:41	1
Ethylbenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
Ethylene Dibromide	<1.0		1.0	ug/L			05/01/26 12:41	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			05/01/26 12:41	1

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Client Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-210014-1

Date Collected: 04/22/26 11:30

Matrix: Water

Date Received: 04/23/26 09:40

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			05/01/26 12:41	1
Hexane	<5.0	*+	5.0	ug/L			05/01/26 12:41	1
Isobutyl alcohol	<75		75	ug/L			05/01/26 12:41	1
Isopropanol	<75		75	ug/L			05/01/26 12:41	1
Isopropylbenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
m,p-Xylene	<2.0		2.0	ug/L			05/01/26 12:41	1
Methylene Chloride	<10		10	ug/L			05/01/26 12:41	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			05/01/26 12:41	1
MIBK	<10		10	ug/L			05/01/26 12:41	1
Naphthalene	<10		10	ug/L			05/01/26 12:41	1
n-Butylbenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
N-Propylbenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
o-Xylene	<1.0		1.0	ug/L			05/01/26 12:41	1
p-Isopropyltoluene	<1.0		1.0	ug/L			05/01/26 12:41	1
sec-Butylbenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
Styrene	<1.0		1.0	ug/L			05/01/26 12:41	1
tert-Amyl alcohol	<50		50	ug/L			05/01/26 12:41	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			05/01/26 12:41	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			05/01/26 12:41	1
tert-Butylbenzene	<1.0		1.0	ug/L			05/01/26 12:41	1
Tetrachloroethene	<1.0		1.0	ug/L			05/01/26 12:41	1
Toluene	<1.0		1.0	ug/L			05/01/26 12:41	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			05/01/26 12:41	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			05/01/26 12:41	1
Trichloroethene	<1.0		1.0	ug/L			05/01/26 12:41	1
Trichlorofluoromethane	<10		10	ug/L			05/01/26 12:41	1
Vinyl acetate	<10		10	ug/L			05/01/26 12:41	1
Vinyl chloride	<0.50		0.50	ug/L			05/01/26 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		05/01/26 12:41	1
4-Bromofluorobenzene (Surr)	92		80 - 120		05/01/26 12:41	1
Dibromofluoromethane (Surr)	89		80 - 120		05/01/26 12:41	1
Toluene-d8 (Surr)	95		80 - 120		05/01/26 12:41	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		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
2-Methylnaphthalene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Acenaphthene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Acenaphthylene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Anthracene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Benzo[a]anthracene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Benzo[a]pyrene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Chrysene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Fluoranthene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1

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Client Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-210014-1

Date Collected: 04/22/26 11:30

Matrix: Water

Date Received: 04/23/26 09:40

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		04/25/26 08:24	04/26/26 09:11	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Naphthalene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Phenanthrene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1
Pyrene	<0.19		0.19	ug/L		04/25/26 08:24	04/26/26 09:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		28 - 127	04/25/26 08:24	04/26/26 09:11	1
2-Fluorobiphenyl (Surr)	74		31 - 120	04/25/26 08:24	04/26/26 09:11	1
2-Fluorophenol (Surr)	45		17 - 120	04/25/26 08:24	04/26/26 09:11	1
Nitrobenzene-d5 (Surr)	79		27 - 120	04/25/26 08:24	04/26/26 09:11	1
Phenol-d6 (Surr)	27		10 - 120	04/25/26 08:24	04/26/26 09:11	1
p-Terphenyl-d14 (Surr)	63		45 - 120	04/25/26 08:24	04/26/26 09:11	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
Tentatively Identified Compound	None		ug/L			N/A	04/25/26 08:24	04/30/26 09:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	38		33 - 139	04/25/26 08:24	04/30/26 09:33	1
2-Fluorobiphenyl (Surr)	69		33 - 126	04/25/26 08:24	04/30/26 09:33	1
2-Fluorophenol (Surr)	38		12 - 120	04/25/26 08:24	04/30/26 09:33	1
Nitrobenzene-d5 (Surr)	60		36 - 120	04/25/26 08:24	04/30/26 09:33	1
Phenol-d6 (Surr)	22		10 - 120	04/25/26 08:24	04/30/26 09:33	1
p-Terphenyl-d14 (Surr)	59		47 - 131	04/25/26 08:24	04/30/26 09:33	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			05/04/26 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		38 - 134		05/04/26 19:24	1

Client Sample ID: Travel Blanks

Lab Sample ID: 380-210014-2

Date Collected: 04/22/26 11:30

Matrix: Water

Date Received: 04/23/26 09:40

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			05/01/26 10:36	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			05/01/26 10:36	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			05/01/26 10:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			05/01/26 10:36	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			05/01/26 10:36	1
1,1-Dichloroethane	<1.0		1.0	ug/L			05/01/26 10:36	1
1,1-Dichloroethene	<1.0		1.0	ug/L			05/01/26 10:36	1
1,1-Dichloropropene	<1.0		1.0	ug/L			05/01/26 10:36	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			05/01/26 10:36	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			05/01/26 10:36	1

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Client Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: Travel Blanks

Lab Sample ID: 380-210014-2

Date Collected: 04/22/26 11:30

Matrix: Water

Date Received: 04/23/26 09:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			05/01/26 10:36	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
1,2-Dichloroethane	<0.50		0.50	ug/L			05/01/26 10:36	1
1,2-Dichloropropane	<1.0		1.0	ug/L			05/01/26 10:36	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
1,3-Dichloropropane	<1.0		1.0	ug/L			05/01/26 10:36	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
2,2-Dichloropropane	<1.0		1.0	ug/L			05/01/26 10:36	1
2-Butanone	<10		10	ug/L			05/01/26 10:36	1
2-Chlorotoluene	<1.0		1.0	ug/L			05/01/26 10:36	1
2-Hexanone	<10		10	ug/L			05/01/26 10:36	1
4-Chlorotoluene	<1.0		1.0	ug/L			05/01/26 10:36	1
Acetone	<10		10	ug/L			05/01/26 10:36	1
Benzene	<0.50		0.50	ug/L			05/01/26 10:36	1
Bromobenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
Bromochloromethane	<2.0		2.0	ug/L			05/01/26 10:36	1
Bromodichloromethane	<1.0		1.0	ug/L			05/01/26 10:36	1
Bromoform	<5.0		5.0	ug/L			05/01/26 10:36	1
Bromomethane	<10	+	10	ug/L			05/01/26 10:36	1
Carbon disulfide	<10		10	ug/L			05/01/26 10:36	1
Carbon tetrachloride	<0.50		0.50	ug/L			05/01/26 10:36	1
Chlorobenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
Chloroethane	<5.0		5.0	ug/L			05/01/26 10:36	1
Chloroform	<1.0		1.0	ug/L			05/01/26 10:36	1
Chloromethane	<10		10	ug/L			05/01/26 10:36	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			05/01/26 10:36	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			05/01/26 10:36	1
Dibromochloromethane	<2.0		2.0	ug/L			05/01/26 10:36	1
Dibromomethane	<1.0		1.0	ug/L			05/01/26 10:36	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			05/01/26 10:36	1
Diethyl ether	<10		10	ug/L			05/01/26 10:36	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			05/01/26 10:36	1
Ethanol	<100		100	ug/L			05/01/26 10:36	1
Ethylbenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
Ethylene Dibromide	<1.0		1.0	ug/L			05/01/26 10:36	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			05/01/26 10:36	1
Hexachloro-1,3-butadiene	<10	+	10	ug/L			05/01/26 10:36	1
Hexane	<5.0	+	5.0	ug/L			05/01/26 10:36	1
Isobutyl alcohol	<75		75	ug/L			05/01/26 10:36	1
Isopropanol	<75		75	ug/L			05/01/26 10:36	1
Isopropylbenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
m,p-Xylene	<2.0		2.0	ug/L			05/01/26 10:36	1
Methylene Chloride	<10		10	ug/L			05/01/26 10:36	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			05/01/26 10:36	1
MIBK	<10		10	ug/L			05/01/26 10:36	1
Naphthalene	<10		10	ug/L			05/01/26 10:36	1
n-Butylbenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
N-Propylbenzene	<1.0		1.0	ug/L			05/01/26 10:36	1

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Client Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: Travel Blanks

Lab Sample ID: 380-210014-2

Date Collected: 04/22/26 11:30

Matrix: Water

Date Received: 04/23/26 09:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<1.0		1.0	ug/L			05/01/26 10:36	1
p-Isopropyltoluene	<1.0		1.0	ug/L			05/01/26 10:36	1
sec-Butylbenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
Styrene	<1.0		1.0	ug/L			05/01/26 10:36	1
tert-Amyl alcohol	<50		50	ug/L			05/01/26 10:36	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			05/01/26 10:36	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			05/01/26 10:36	1
tert-Butylbenzene	<1.0		1.0	ug/L			05/01/26 10:36	1
Tetrachloroethene	<1.0		1.0	ug/L			05/01/26 10:36	1
Toluene	<1.0		1.0	ug/L			05/01/26 10:36	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			05/01/26 10:36	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			05/01/26 10:36	1
Trichloroethene	<1.0		1.0	ug/L			05/01/26 10:36	1
Trichlorofluoromethane	<10		10	ug/L			05/01/26 10:36	1
Vinyl acetate	<10		10	ug/L			05/01/26 10:36	1
Vinyl chloride	<0.50		0.50	ug/L			05/01/26 10:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		05/01/26 10:36	1
4-Bromofluorobenzene (Surr)	93		80 - 120		05/01/26 10:36	1
Dibromofluoromethane (Surr)	84		80 - 120		05/01/26 10:36	1
Toluene-d8 (Surr)	96		80 - 120		05/01/26 10:36	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			05/04/26 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		38 - 134		05/04/26 14:17	1

Action Limit Summary

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-210014-1

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: Travel Blanks

Lab Sample ID: 380-210014-2

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: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: Travel Blanks (Continued)

Lab Sample ID: 380-210014-2

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: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
380-210014-1	BWS2253-H1-AQ	101	92	89	95
380-210014-2	Travel Blanks	99	93	84	96
LCS 570-732557/1006	Lab Control Sample	97	94	92	97
LCSD 570-732557/7	Lab Control Sample Dup	99	94	90	97
MB 570-732557/9	Method Blank	98	93	84	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-210014-1	BWS2253-H1-AQ	38	69	38	60	22	59
MB 570-729809/1-A	Method Blank	42	70	44	67	26	65

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-209810-A-2-A MS	Matrix Spike	71	62	42	63	28	46
380-209810-A-2-B MSD	Matrix Spike Duplicate	83	72	47	71	32	60
380-210014-1	BWS2253-H1-AQ	84	74	45	79	27	63
LCS 570-729809/2-A	Lab Control Sample	72	73	54	66	34	71
LCSD 570-729809/3-A	Lab Control Sample Dup	78	76	58	68	37	73
MB 570-729809/1-A	Method Blank	93	82	58	90	35	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
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-210014-1
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)
380-210014-1	BWS2253-H1-AQ	95
380-210014-2	Travel Blanks	88
380-210033-B-1 MS	Matrix Spike	99
380-210033-B-1 MSD	Matrix Spike Duplicate	91
LCS 570-733676/3	Lab Control Sample	89
LCSD 570-733676/4	Lab Control Sample Dup	90
MB 570-733676/6	Method Blank	87
MRL 570-733676/5	Lab Control Sample	84

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: MB 570-732557/9

Matrix: Water

Analysis Batch: 732557

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			05/01/26 09:45	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			05/01/26 09:45	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			05/01/26 09:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			05/01/26 09:45	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			05/01/26 09:45	1
1,1-Dichloroethane	<1.0		1.0	ug/L			05/01/26 09:45	1
1,1-Dichloroethene	<1.0		1.0	ug/L			05/01/26 09:45	1
1,1-Dichloropropene	<1.0		1.0	ug/L			05/01/26 09:45	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			05/01/26 09:45	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			05/01/26 09:45	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
1,2-Dichloroethane	<0.50		0.50	ug/L			05/01/26 09:45	1
1,2-Dichloropropane	<1.0		1.0	ug/L			05/01/26 09:45	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
1,3-Dichloropropane	<1.0		1.0	ug/L			05/01/26 09:45	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
2,2-Dichloropropane	<1.0		1.0	ug/L			05/01/26 09:45	1
2-Butanone	<10		10	ug/L			05/01/26 09:45	1
2-Chlorotoluene	<1.0		1.0	ug/L			05/01/26 09:45	1
2-Hexanone	<10		10	ug/L			05/01/26 09:45	1
4-Chlorotoluene	<1.0		1.0	ug/L			05/01/26 09:45	1
Acetone	<10		10	ug/L			05/01/26 09:45	1
Benzene	<0.50		0.50	ug/L			05/01/26 09:45	1
Bromobenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
Bromochloromethane	<2.0		2.0	ug/L			05/01/26 09:45	1
Bromodichloromethane	<1.0		1.0	ug/L			05/01/26 09:45	1
Bromoform	<5.0		5.0	ug/L			05/01/26 09:45	1
Bromomethane	<10		10	ug/L			05/01/26 09:45	1
Carbon disulfide	<10		10	ug/L			05/01/26 09:45	1
Carbon tetrachloride	<0.50		0.50	ug/L			05/01/26 09:45	1
Chlorobenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
Chloroethane	<5.0		5.0	ug/L			05/01/26 09:45	1
Chloroform	<1.0		1.0	ug/L			05/01/26 09:45	1
Chloromethane	<10		10	ug/L			05/01/26 09:45	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			05/01/26 09:45	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			05/01/26 09:45	1
Dibromochloromethane	<2.0		2.0	ug/L			05/01/26 09:45	1
Dibromomethane	<1.0		1.0	ug/L			05/01/26 09:45	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			05/01/26 09:45	1
Diethyl ether	<10		10	ug/L			05/01/26 09:45	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			05/01/26 09:45	1
Ethanol	<100		100	ug/L			05/01/26 09:45	1
Ethylbenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
Ethylene Dibromide	<1.0		1.0	ug/L			05/01/26 09:45	1

Eurofins Pomona

QC Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: MB 570-732557/9

Matrix: Water

Analysis Batch: 732557

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			05/01/26 09:45	1
Hexachloro-1,3-butadiene	<10		10	ug/L			05/01/26 09:45	1
Hexane	<5.0		5.0	ug/L			05/01/26 09:45	1
Isobutyl alcohol	<75		75	ug/L			05/01/26 09:45	1
Isopropanol	<75		75	ug/L			05/01/26 09:45	1
Isopropylbenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
m,p-Xylene	<2.0		2.0	ug/L			05/01/26 09:45	1
Methylene Chloride	<10		10	ug/L			05/01/26 09:45	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			05/01/26 09:45	1
MIBK	<10		10	ug/L			05/01/26 09:45	1
Naphthalene	<10		10	ug/L			05/01/26 09:45	1
n-Butylbenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
N-Propylbenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
o-Xylene	<1.0		1.0	ug/L			05/01/26 09:45	1
p-Isopropyltoluene	<1.0		1.0	ug/L			05/01/26 09:45	1
sec-Butylbenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
Styrene	<1.0		1.0	ug/L			05/01/26 09:45	1
tert-Amyl alcohol	<50		50	ug/L			05/01/26 09:45	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			05/01/26 09:45	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			05/01/26 09:45	1
tert-Butylbenzene	<1.0		1.0	ug/L			05/01/26 09:45	1
Tetrachloroethene	<1.0		1.0	ug/L			05/01/26 09:45	1
Toluene	<1.0		1.0	ug/L			05/01/26 09:45	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			05/01/26 09:45	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			05/01/26 09:45	1
Trichloroethene	<1.0		1.0	ug/L			05/01/26 09:45	1
Trichlorofluoromethane	<10		10	ug/L			05/01/26 09:45	1
Vinyl acetate	<10		10	ug/L			05/01/26 09:45	1
Vinyl chloride	<0.50		0.50	ug/L			05/01/26 09:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		05/01/26 09:45	1
4-Bromofluorobenzene (Surr)	93		80 - 120		05/01/26 09:45	1
Dibromofluoromethane (Surr)	84		80 - 120		05/01/26 09:45	1
Toluene-d8 (Surr)	98		80 - 120		05/01/26 09:45	1

Lab Sample ID: LCS 570-732557/1006

Matrix: Water

Analysis Batch: 732557

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	20.7		ug/L		104	83 - 120
1,1,1-Trichloroethane	20.0	19.5		ug/L		98	78 - 123
1,1,2,2-Tetrachloroethane	20.0	17.6		ug/L		88	74 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	24.8		ug/L		124	72 - 130
1,1,2-Trichloroethane	20.0	18.6		ug/L		93	82 - 120
1,1-Dichloroethane	20.0	21.6		ug/L		108	79 - 122
1,1-Dichloroethene	20.0	23.6		ug/L		118	74 - 127

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QC Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: LCS 570-732557/1006

Matrix: Water

Analysis Batch: 732557

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	20.2		ug/L		101	75 - 124
1,2,3-Trichlorobenzene	20.0	19.6		ug/L		98	71 - 126
1,2,3-Trichloropropane	20.0	20.0		ug/L		100	73 - 121
1,2,4-Trichlorobenzene	20.0	21.8		ug/L		109	70 - 130
1,2,4-Trimethylbenzene	20.0	21.7		ug/L		108	80 - 125
1,2-Dibromo-3-Chloropropane	20.0	17.4		ug/L		87	64 - 127
1,2-Dichlorobenzene	20.0	20.0		ug/L		100	78 - 122
1,2-Dichloroethane	20.0	19.4		ug/L		97	76 - 123
1,2-Dichloropropane	20.0	20.4		ug/L		102	82 - 120
1,3,5-Trimethylbenzene	20.0	22.5		ug/L		113	79 - 124
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	81 - 120
1,3-Dichloropropane	20.0	18.6		ug/L		93	82 - 120
1,4-Dichlorobenzene	20.0	21.5		ug/L		108	78 - 121
2,2-Dichloropropane	20.0	19.8		ug/L		99	69 - 133
2-Butanone	20.0	18.7		ug/L		93	55 - 142
2-Chlorotoluene	20.0	20.7		ug/L		104	80 - 120
2-Hexanone	20.0	18.1		ug/L		90	54 - 138
4-Chlorotoluene	20.0	20.9		ug/L		105	80 - 121
Acetone	20.0	22.2		ug/L		111	50 - 157
Benzene	20.0	19.4		ug/L		97	80 - 120
Bromobenzene	20.0	21.3		ug/L		107	80 - 120
Bromochloromethane	20.0	21.5		ug/L		108	83 - 123
Bromodichloromethane	20.0	18.1		ug/L		91	83 - 120
Bromoform	20.0	20.1		ug/L		101	75 - 128
Bromomethane	20.0	32.4	+	ug/L		162	31 - 120
Carbon disulfide	20.0	20.3		ug/L		101	71 - 128
Carbon tetrachloride	20.0	19.7		ug/L		98	72 - 135
Chlorobenzene	20.0	20.8		ug/L		104	84 - 120
Chloroethane	20.0	21.9		ug/L		109	72 - 129
Chloroform	20.0	19.4		ug/L		97	79 - 120
Chloromethane	20.0	22.1		ug/L		110	36 - 148
cis-1,2-Dichloroethene	20.0	20.5		ug/L		103	81 - 120
cis-1,3-Dichloropropene	20.0	20.0		ug/L		100	76 - 125
Dibromochloromethane	20.0	19.1		ug/L		95	82 - 120
Dibromomethane	20.0	19.0		ug/L		95	85 - 120
Dichlorodifluoromethane	20.0	18.3		ug/L		91	52 - 147
Diethyl ether	20.0	22.1		ug/L		111	71 - 127
Di-isopropyl ether (DIPE)	20.0	20.6		ug/L		103	70 - 132
Ethanol	200	304		ug/L		152	48 - 163
Ethylbenzene	20.0	21.5		ug/L		108	81 - 120
Ethylene Dibromide	20.0	23.1		ug/L		115	81 - 120
Ethyl-t-butyl ether (ETBE)	20.0	18.7		ug/L		94	68 - 126
Isopropylbenzene	20.0	22.1		ug/L		111	80 - 122
m,p-Xylene	40.0	42.1		ug/L		105	79 - 122
Methylene Chloride	20.0	21.5		ug/L		107	76 - 120
Methyl-t-Butyl Ether (MTBE)	20.0	17.2		ug/L		86	70 - 124
MIBK	20.0	16.5		ug/L		83	57 - 133
Naphthalene	20.0	18.0		ug/L		90	64 - 124
n-Butylbenzene	20.0	22.8		ug/L		114	78 - 127

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QC Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: LCS 570-732557/1006

Matrix: Water

Analysis Batch: 732557

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	21.7		ug/L		109	80 - 121
o-Xylene	20.0	20.2		ug/L		101	81 - 120
p-Isopropyltoluene	20.0	22.3		ug/L		112	81 - 124
sec-Butylbenzene	20.0	22.7		ug/L		113	80 - 123
Styrene	20.0	20.9		ug/L		104	82 - 120
tert-Amyl alcohol	100	83.6		ug/L		84	30 - 157
Tert-amyl-methyl ether (TAME)	20.0	18.3		ug/L		92	71 - 121
tert-Butyl alcohol (TBA)	100	108		ug/L		108	68 - 128
tert-Butylbenzene	20.0	22.0		ug/L		110	80 - 124
Tetrachloroethene	20.0	22.6		ug/L		113	78 - 126
Toluene	20.0	20.0		ug/L		100	82 - 120
trans-1,2-Dichloroethene	20.0	18.9		ug/L		95	79 - 122
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	73 - 127
Trichloroethene	20.0	20.1		ug/L		101	83 - 120
Trichlorofluoromethane	20.0	21.9		ug/L		110	74 - 135
Vinyl acetate	20.0	20.7		ug/L		103	56 - 135
Vinyl chloride	20.0	20.4		ug/L		102	68 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	92		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 570-732557/7

Matrix: Water

Analysis Batch: 732557

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	20.2		ug/L		101	83 - 120	3	20
1,1,1-Trichloroethane	20.0	17.9		ug/L		89	78 - 123	9	20
1,1,2,2-Tetrachloroethane	20.0	19.1		ug/L		95	74 - 125	8	20
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.8		ug/L		109	72 - 130	13	20
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	82 - 120	5	20
1,1-Dichloroethane	20.0	20.5		ug/L		102	79 - 122	5	20
1,1-Dichloroethene	20.0	22.1		ug/L		111	74 - 127	6	20
1,1-Dichloropropene	20.0	18.4		ug/L		92	75 - 124	9	20
1,2,3-Trichlorobenzene	20.0	19.7		ug/L		99	71 - 126	0	20
1,2,3-Trichloropropane	20.0	20.1		ug/L		101	73 - 121	1	20
1,2,4-Trichlorobenzene	20.0	20.6		ug/L		103	70 - 130	6	20
1,2,4-Trimethylbenzene	20.0	19.9		ug/L		100	80 - 125	8	20
1,2-Dibromo-3-Chloropropane	20.0	17.5		ug/L		87	64 - 127	0	20
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	78 - 122	4	20
1,2-Dichloroethane	20.0	19.2		ug/L		96	76 - 123	1	20
1,2-Dichloropropane	20.0	19.3		ug/L		97	82 - 120	5	20
1,3,5-Trimethylbenzene	20.0	20.1		ug/L		101	79 - 124	11	20
1,3-Dichlorobenzene	20.0	20.5		ug/L		102	81 - 120	6	20
1,3-Dichloropropane	20.0	19.0		ug/L		95	82 - 120	2	20

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QC Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: LCSD 570-732557/7

Matrix: Water

Analysis Batch: 732557

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	20.3		ug/L		102	78 - 121	6	20
2,2-Dichloropropane	20.0	18.8		ug/L		94	69 - 133	5	20
2-Butanone	20.0	17.9		ug/L		89	55 - 142	4	21
2-Chlorotoluene	20.0	19.8		ug/L		99	80 - 120	4	20
2-Hexanone	20.0	17.5		ug/L		88	54 - 138	3	21
4-Chlorotoluene	20.0	20.2		ug/L		101	80 - 121	3	20
Acetone	20.0	25.1		ug/L		125	50 - 157	12	26
Benzene	20.0	18.4		ug/L		92	80 - 120	5	20
Bromobenzene	20.0	19.8		ug/L		99	80 - 120	7	20
Bromochloromethane	20.0	21.1		ug/L		106	83 - 123	2	20
Bromodichloromethane	20.0	17.2		ug/L		86	83 - 120	5	20
Bromoform	20.0	21.4		ug/L		107	75 - 128	6	20
Bromomethane	20.0	27.7	+	ug/L		139	31 - 120	16	22
Carbon disulfide	20.0	19.0		ug/L		95	71 - 128	7	20
Carbon tetrachloride	20.0	17.6		ug/L		88	72 - 135	11	20
Chlorobenzene	20.0	20.3		ug/L		101	84 - 120	3	20
Chloroethane	20.0	21.5		ug/L		107	72 - 129	2	20
Chloroform	20.0	18.3		ug/L		91	79 - 120	6	20
Chloromethane	20.0	20.0		ug/L		100	36 - 148	10	20
cis-1,2-Dichloroethene	20.0	19.0		ug/L		95	81 - 120	7	20
cis-1,3-Dichloropropene	20.0	20.0		ug/L		100	76 - 125	0	20
Dibromochloromethane	20.0	18.9		ug/L		94	82 - 120	1	20
Dibromomethane	20.0	19.3		ug/L		97	85 - 120	2	20
Dichlorodifluoromethane	20.0	16.4		ug/L		82	52 - 147	11	20
Diethyl ether	20.0	22.2		ug/L		111	71 - 127	0	20
Di-isopropyl ether (DIPE)	20.0	20.0		ug/L		100	70 - 132	3	20
Ethanol	200	293		ug/L		146	48 - 163	4	30
Ethylbenzene	20.0	19.9		ug/L		99	81 - 120	8	20
Ethylene Dibromide	20.0	22.9		ug/L		114	81 - 120	1	20
Ethyl-t-butyl ether (ETBE)	20.0	18.5		ug/L		93	68 - 126	1	20
Isopropylbenzene	20.0	19.9		ug/L		100	80 - 122	11	20
m,p-Xylene	40.0	38.5		ug/L		96	79 - 122	9	20
Methylene Chloride	20.0	20.1		ug/L		101	76 - 120	6	20
Methyl-t-Butyl Ether (MTBE)	20.0	17.2		ug/L		86	70 - 124	0	20
MIBK	20.0	18.3		ug/L		92	57 - 133	10	20
Naphthalene	20.0	19.0		ug/L		95	64 - 124	6	20
n-Butylbenzene	20.0	19.7		ug/L		98	78 - 127	14	20
N-Propylbenzene	20.0	19.5		ug/L		98	80 - 121	11	20
o-Xylene	20.0	19.0		ug/L		95	81 - 120	6	20
p-Isopropyltoluene	20.0	20.0		ug/L		100	81 - 124	11	20
sec-Butylbenzene	20.0	20.7		ug/L		103	80 - 123	9	20
Styrene	20.0	19.6		ug/L		98	82 - 120	6	20
tert-Amyl alcohol	100	90.3		ug/L		90	30 - 157	8	30
Tert-amyl-methyl ether (TAME)	20.0	18.1		ug/L		90	71 - 121	1	20
tert-Butyl alcohol (TBA)	100	105		ug/L		105	68 - 128	3	20
tert-Butylbenzene	20.0	19.8		ug/L		99	80 - 124	10	20
Tetrachloroethene	20.0	20.0		ug/L		100	78 - 126	12	20
Toluene	20.0	18.8		ug/L		94	82 - 120	6	20
trans-1,2-Dichloroethene	20.0	18.0		ug/L		90	79 - 122	5	20

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QC Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: LCSD 570-732557/7

Matrix: Water

Analysis Batch: 732557

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	19.8		ug/L		99	73 - 127	0	20
Trichloroethene	20.0	18.8		ug/L		94	83 - 120	7	20
Trichlorofluoromethane	20.0	20.1		ug/L		101	74 - 135	9	20
Vinyl acetate	20.0	21.6		ug/L		108	56 - 135	4	24
Vinyl chloride	20.0	19.3		ug/L		97	68 - 131	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	90		80 - 120
Toluene-d8 (Surr)	97		80 - 120

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

Lab Sample ID: MB 570-729809/1-A

Matrix: Water

Analysis Batch: 732019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 729809

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	04/25/26 08:24	04/30/26 08:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	42		33 - 139	04/25/26 08:24	04/30/26 08:45	1
2-Fluorobiphenyl (Surr)	70		33 - 126	04/25/26 08:24	04/30/26 08:45	1
2-Fluorophenol (Surr)	44		12 - 120	04/25/26 08:24	04/30/26 08:45	1
Nitrobenzene-d5 (Surr)	67		36 - 120	04/25/26 08:24	04/30/26 08:45	1
Phenol-d6 (Surr)	26		10 - 120	04/25/26 08:24	04/30/26 08:45	1
p-Terphenyl-d14 (Surr)	65		47 - 131	04/25/26 08:24	04/30/26 08:45	1

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

Lab Sample ID: MB 570-729809/1-A

Matrix: Water

Analysis Batch: 729996

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 729809

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
2-Methylnaphthalene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Acenaphthene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Acenaphthylene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Anthracene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Benzo[a]anthracene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Benzo[a]pyrene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Chrysene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1

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QC Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: MB 570-729809/1-A

Matrix: Water

Analysis Batch: 729996

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 729809

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Fluorene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Naphthalene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Phenanthrene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1
Pyrene	<0.20		0.20	ug/L		04/25/26 08:24	04/26/26 06:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		28 - 127	04/25/26 08:24	04/26/26 06:16	1
2-Fluorobiphenyl (Surr)	82		31 - 120	04/25/26 08:24	04/26/26 06:16	1
2-Fluorophenol (Surr)	58		17 - 120	04/25/26 08:24	04/26/26 06:16	1
Nitrobenzene-d5 (Surr)	90		27 - 120	04/25/26 08:24	04/26/26 06:16	1
Phenol-d6 (Surr)	35		10 - 120	04/25/26 08:24	04/26/26 06:16	1
p-Terphenyl-d14 (Surr)	77		45 - 120	04/25/26 08:24	04/26/26 06:16	1

Lab Sample ID: LCS 570-729809/2-A

Matrix: Water

Analysis Batch: 729996

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 729809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1-Methylnaphthalene	20.0	12.8		ug/L		64	47 - 120
2-Methylnaphthalene	20.0	12.5		ug/L		62	43 - 120
Acenaphthene	20.0	15.4		ug/L		77	60 - 132
Acenaphthylene	20.0	15.4		ug/L		77	54 - 126
Anthracene	20.0	15.1		ug/L		76	43 - 120
Benzo[a]anthracene	20.0	14.8		ug/L		74	42 - 133
Benzo[a]pyrene	20.0	16.8		ug/L		84	32 - 148
Benzo[b]fluoranthene	20.0	16.2		ug/L		81	42 - 140
Benzo[g,h,i]perylene	20.0	15.8		ug/L		79	1 - 195
Benzo[k]fluoranthene	20.0	15.8		ug/L		79	25 - 146
Chrysene	20.0	15.3		ug/L		76	44 - 140
Dibenz(a,h)anthracene	20.0	16.3		ug/L		81	1 - 200
Fluoranthene	20.0	15.4		ug/L		77	43 - 121
Fluorene	20.0	15.5		ug/L		77	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	16.1		ug/L		81	1 - 151
Naphthalene	20.0	13.2		ug/L		66	36 - 120
Phenanthrene	20.0	15.5		ug/L		77	65 - 120
Pyrene	20.0	15.2		ug/L		76	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	72		28 - 127
2-Fluorobiphenyl (Surr)	73		31 - 120
2-Fluorophenol (Surr)	54		17 - 120
Nitrobenzene-d5 (Surr)	66		27 - 120
Phenol-d6 (Surr)	34		10 - 120
p-Terphenyl-d14 (Surr)	71		45 - 120

Eurofins Pomona

QC Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: LCSD 570-729809/3-A

Matrix: Water

Analysis Batch: 729996

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 729809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	13.3		ug/L		67	47 - 120	4	20
2-Methylnaphthalene	20.0	13.5		ug/L		67	43 - 120	8	20
Acenaphthene	20.0	16.0		ug/L		80	60 - 132	4	29
Acenaphthylene	20.0	16.1		ug/L		80	54 - 126	5	45
Anthracene	20.0	16.2		ug/L		81	43 - 120	7	40
Benzo[a]anthracene	20.0	16.0		ug/L		80	42 - 133	8	32
Benzo[a]pyrene	20.0	18.1		ug/L		90	32 - 148	7	43
Benzo[b]fluoranthene	20.0	17.7		ug/L		89	42 - 140	9	43
Benzo[g,h,i]perylene	20.0	16.2		ug/L		81	1 - 195	2	61
Benzo[k]fluoranthene	20.0	16.8		ug/L		84	25 - 146	6	38
Chrysene	20.0	15.9		ug/L		80	44 - 140	4	53
Dibenz(a,h)anthracene	20.0	16.9		ug/L		85	1 - 200	4	75
Fluoranthene	20.0	16.7		ug/L		84	43 - 121	8	40
Fluorene	20.0	16.6		ug/L		83	70 - 120	7	23
Indeno[1,2,3-cd]pyrene	20.0	16.6		ug/L		83	1 - 151	3	60
Naphthalene	20.0	13.5		ug/L		68	36 - 120	3	39
Phenanthrene	20.0	16.3		ug/L		81	65 - 120	5	24
Pyrene	20.0	15.9		ug/L		80	70 - 120	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	78		28 - 127
2-Fluorobiphenyl (Surr)	76		31 - 120
2-Fluorophenol (Surr)	58		17 - 120
Nitrobenzene-d5 (Surr)	68		27 - 120
Phenol-d6 (Surr)	37		10 - 120
p-Terphenyl-d14 (Surr)	73		45 - 120

Lab Sample ID: 380-209810-A-2-A MS

Matrix: Water

Analysis Batch: 729996

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 729809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.21		20.6	13.1		ug/L		64	36 - 120
2-Methylnaphthalene	<0.21		20.6	12.7		ug/L		62	32 - 124
Acenaphthene	<0.21		20.6	13.8		ug/L		67	47 - 145
Acenaphthylene	<0.21		20.6	12.9		ug/L		62	33 - 145
Anthracene	<0.21		20.6	13.2		ug/L		64	27 - 133
Benzo[a]anthracene	<0.21		20.6	11.8		ug/L		57	33 - 143
Benzo[a]pyrene	<0.21		20.6	12.9		ug/L		63	17 - 163
Benzo[b]fluoranthene	<0.21		20.6	13.0		ug/L		63	24 - 159
Benzo[g,h,i]perylene	<0.21		20.6	12.3		ug/L		60	1 - 219
Benzo[k]fluoranthene	<0.21		20.6	12.8		ug/L		62	11 - 162
Chrysene	<0.21		20.6	12.3		ug/L		60	17 - 168
Dibenz(a,h)anthracene	<0.21		20.6	12.9		ug/L		62	1 - 227
Fluoranthene	<0.21		20.6	13.7		ug/L		67	26 - 137
Fluorene	<0.21		20.6	13.9		ug/L		67	59 - 121
Indeno[1,2,3-cd]pyrene	<0.21		20.6	12.8		ug/L		62	1 - 171
Naphthalene	0.32		20.6	13.1		ug/L		62	21 - 133

Eurofins Pomona

QC Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: 380-209810-A-2-A MS

Matrix: Water

Analysis Batch: 729996

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 729809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	<0.21		20.6	13.9		ug/L		68	54 - 120
Pyrene	<0.21	F1	20.6	10.4	F1	ug/L		51	52 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	71		28 - 127
2-Fluorobiphenyl (Surr)	62		31 - 120
2-Fluorophenol (Surr)	42		17 - 120
Nitrobenzene-d5 (Surr)	63		27 - 120
Phenol-d6 (Surr)	28		10 - 120
p-Terphenyl-d14 (Surr)	46		45 - 120

Lab Sample ID: 380-209810-A-2-B MSD

Matrix: Water

Analysis Batch: 729996

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 729809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.21		20.6	16.1		ug/L		78	36 - 120	20	30
2-Methylnaphthalene	<0.21		20.6	15.4		ug/L		75	32 - 124	19	30
Acenaphthene	<0.21		20.6	16.2		ug/L		78	47 - 145	16	48
Acenaphthylene	<0.21		20.6	15.1		ug/L		73	33 - 145	16	74
Anthracene	<0.21		20.6	15.4		ug/L		74	27 - 133	15	66
Benzo[a]anthracene	<0.21		20.6	14.3		ug/L		69	33 - 143	19	53
Benzo[a]pyrene	<0.21		20.6	14.9		ug/L		72	17 - 163	15	72
Benzo[b]fluoranthene	<0.21		20.6	15.2		ug/L		73	24 - 159	16	71
Benzo[g,h,i]perylene	<0.21		20.6	14.5		ug/L		70	1 - 219	16	97
Benzo[k]fluoranthene	<0.21		20.6	14.8		ug/L		72	11 - 162	15	63
Chrysene	<0.21		20.6	14.9		ug/L		72	17 - 168	19	87
Dibenz(a,h)anthracene	<0.21		20.6	14.9		ug/L		72	1 - 227	15	126
Fluoranthene	<0.21		20.6	16.0		ug/L		78	26 - 137	16	66
Fluorene	<0.21		20.6	16.9		ug/L		82	59 - 121	19	38
Indeno[1,2,3-cd]pyrene	<0.21		20.6	14.9		ug/L		72	1 - 171	15	99
Naphthalene	0.32		20.6	15.6		ug/L		74	21 - 133	17	65
Phenanthrene	<0.21		20.6	16.0		ug/L		78	54 - 120	14	39
Pyrene	<0.21	F1	20.6	13.0		ug/L		63	52 - 120	22	49

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	83		28 - 127
2-Fluorobiphenyl (Surr)	72		31 - 120
2-Fluorophenol (Surr)	47		17 - 120
Nitrobenzene-d5 (Surr)	71		27 - 120
Phenol-d6 (Surr)	32		10 - 120
p-Terphenyl-d14 (Surr)	60		45 - 120

QC Sample Results

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: MB 570-733676/6

Matrix: Water

Analysis Batch: 733676

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			05/04/26 11:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		38 - 134				05/04/26 11:50	1

Lab Sample ID: LCS 570-733676/3

Matrix: Water

Analysis Batch: 733676

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	412		ug/L		103	78 - 120	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	89		38 - 134					

Lab Sample ID: LCSD 570-733676/4

Matrix: Water

Analysis Batch: 733676

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	411		ug/L		103	78 - 120	0	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	90		38 - 134						

Lab Sample ID: MRL 570-733676/5

Matrix: Water

Analysis Batch: 733676

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	12.6		ug/L		126	50 - 150	
Surrogate	MRL %Recovery	MRL Qualifier	Limits					
4-Bromofluorobenzene (Surr)	84		38 - 134					

Lab Sample ID: 380-210033-B-1 MS

Matrix: Water

Analysis Batch: 733676

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	433		ug/L		108	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: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

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

Lab Sample ID: 380-210033-B-1 MSD

Matrix: Water

Analysis Batch: 733676

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	416		ug/L		104	68 - 122	4	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	91		38 - 134								

QC Association Summary

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

GC/MS VOA

Analysis Batch: 732557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210014-1	BWS2253-H1-AQ	Total/NA	Water	8260B	
380-210014-2	Travel Blanks	Total/NA	Water	8260B	
MB 570-732557/9	Method Blank	Total/NA	Water	8260B	
LCS 570-732557/1006	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-732557/7	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 729809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210014-1	BWS2253-H1-AQ	Total/NA	Water	625.1	
MB 570-729809/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-729809/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-729809/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-209810-A-2-A MS	Matrix Spike	Total/NA	Water	625.1	
380-209810-A-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 729996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210014-1	BWS2253-H1-AQ	Total/NA	Water	625.1 SIM	729809
MB 570-729809/1-A	Method Blank	Total/NA	Water	625.1 SIM	729809
LCS 570-729809/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	729809
LCSD 570-729809/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	729809
380-209810-A-2-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	729809
380-209810-A-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	729809

Analysis Batch: 732019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210014-1	BWS2253-H1-AQ	Total/NA	Water	625.1	729809
MB 570-729809/1-A	Method Blank	Total/NA	Water	625.1	729809

GC VOA

Analysis Batch: 733676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210014-1	BWS2253-H1-AQ	Total/NA	Water	8015B GRO LL	
380-210014-2	Travel Blanks	Total/NA	Water	8015B GRO LL	
MB 570-733676/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-733676/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-733676/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-733676/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-210033-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-210033-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

Lab Chronicle

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

Job ID: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-210014-1

Date Collected: 04/22/26 11:30

Matrix: Water

Date Received: 04/23/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	732557	N5PD	EET CAL 4	05/01/26 12:41
Total/NA	Prep	625.1			729809	KLZQ	EET CAL 4	04/25/26 08:24
Total/NA	Analysis	625.1		1	732019	PQS1	EET CAL 4	04/30/26 09:33
Total/NA	Prep	625.1			729809	KLZQ	EET CAL 4	04/25/26 08:24
Total/NA	Analysis	625.1 SIM		1	729996	PQS1	EET CAL 4	04/26/26 09:11
Total/NA	Analysis	8015B GRO LL		1	733676	A9VE	EET CAL 4	05/04/26 19:24

Client Sample ID: Travel Blanks

Lab Sample ID: 380-210014-2

Date Collected: 04/22/26 11:30

Matrix: Water

Date Received: 04/23/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	732557	N5PD	EET CAL 4	05/01/26 10:36
Total/NA	Analysis	8015B GRO LL		1	733676	A9VE	EET CAL 4	05/04/26 14:17

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: 380-210014-1
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	05-12-26
Nevada	State	CA00111	05-10-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-01-26
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: 380-210014-1
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
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: 380-210014-1
SDG: Site H1 625.1, 8015B_DRO/_GRO, 8260B

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-210014-1	BWS2253-H1-AQ	Water	04/22/26 11:30	04/23/26 09:40	Hawaii
380-210014-2	Travel Blanks	Water	04/22/26 11:30	04/23/26 09:40	Hawaii

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

Environment Testing

[illegible]

Ver: 03/20/2026 6/2/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-210014-1

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

Login Number: 210014

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: 380-210014-1

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

Login Number: 210014

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 04/23/26 05:58 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	1.8
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	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	