

ANALYTICAL REPORT

PREPARED FOR

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Generated 12/10/2025 11:49:16 AM

JOB DESCRIPTION

INTERA - Red-Hill-Incident
Site H1

JOB NUMBER

380-184133-1

Eurofins Eaton Analytical 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 Eaton Analytical, 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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Definitions/Glossary

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

Job ID: 380-184133-1
SDG: Site H1

Qualifiers

GC/MS VOA

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

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: 380-184133-1

Job ID: 380-184133-1

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Job Narrative 380-184133-1

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 11/21/2025 7:38 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C.

GC/MS VOA

Method 8260B: The following analyte(s) recovered outside control limits for the LCSD associated with analytical batch 570-663275: Dichlorodifluoromethane. 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 570-663275. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

GC/MS Semi VOA

Method 625.1: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-660359. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. 625 Sim

Method 625.1_SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-660359. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. 625 Sim

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: 380-184133-1
SDG: Site H1

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-184133-1

No Detections.

Client Sample ID: BWS2253-H1-TB

Lab Sample ID: 380-184133-2

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: 380-184133-1
SDG: Site H1

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-184133-1

Date Collected: 11/20/25 10:30

Matrix: Water

Date Received: 11/21/25 07:38

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			12/02/25 00:41	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			12/02/25 00:41	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			12/02/25 00:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			12/02/25 00:41	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			12/02/25 00:41	1
1,1-Dichloroethane	<1.0		1.0	ug/L			12/02/25 00:41	1
1,1-Dichloroethene	<1.0		1.0	ug/L			12/02/25 00:41	1
1,1-Dichloropropene	<1.0		1.0	ug/L			12/02/25 00:41	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			12/02/25 00:41	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			12/02/25 00:41	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
1,2-Dichloroethane	<0.50		0.50	ug/L			12/02/25 00:41	1
1,2-Dichloropropane	<1.0		1.0	ug/L			12/02/25 00:41	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
1,3-Dichloropropane	<1.0		1.0	ug/L			12/02/25 00:41	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
2,2-Dichloropropane	<1.0		1.0	ug/L			12/02/25 00:41	1
2-Butanone	<10		10	ug/L			12/02/25 00:41	1
2-Chlorotoluene	<1.0		1.0	ug/L			12/02/25 00:41	1
2-Hexanone	<10		10	ug/L			12/02/25 00:41	1
4-Chlorotoluene	<1.0		1.0	ug/L			12/02/25 00:41	1
Acetone	<10		10	ug/L			12/02/25 00:41	1
Benzene	<0.50		0.50	ug/L			12/02/25 00:41	1
Bromobenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
Bromochloromethane	<2.0		2.0	ug/L			12/02/25 00:41	1
Bromodichloromethane	<1.0		1.0	ug/L			12/02/25 00:41	1
Bromoform	<5.0		5.0	ug/L			12/02/25 00:41	1
Bromomethane	<10		10	ug/L			12/02/25 00:41	1
Carbon disulfide	<10		10	ug/L			12/02/25 00:41	1
Carbon tetrachloride	<0.50		0.50	ug/L			12/02/25 00:41	1
Chlorobenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
Chloroethane	<5.0		5.0	ug/L			12/02/25 00:41	1
Chloroform	<1.0		1.0	ug/L			12/02/25 00:41	1
Chloromethane	<10		10	ug/L			12/02/25 00:41	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			12/02/25 00:41	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			12/02/25 00:41	1
Dibromochloromethane	<2.0		2.0	ug/L			12/02/25 00:41	1
Dibromomethane	<1.0		1.0	ug/L			12/02/25 00:41	1
Dichlorodifluoromethane	<5.0	+	5.0	ug/L			12/02/25 00:41	1
Diethyl ether	<10		10	ug/L			12/02/25 00:41	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			12/02/25 00:41	1
Ethanol	<100		100	ug/L			12/02/25 00:41	1
Ethylbenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
Ethylene Dibromide	<1.0		1.0	ug/L			12/02/25 00:41	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			12/02/25 00:41	1

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Client Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-184133-1

Date Collected: 11/20/25 10:30

Matrix: Water

Date Received: 11/21/25 07:38

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			12/02/25 00:41	1
Hexane	<5.0		5.0	ug/L			12/02/25 00:41	1
Isobutyl alcohol	<75		75	ug/L			12/02/25 00:41	1
Isopropanol	<75		75	ug/L			12/02/25 00:41	1
Isopropylbenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
m,p-Xylene	<2.0		2.0	ug/L			12/02/25 00:41	1
Methylene Chloride	<10		10	ug/L			12/02/25 00:41	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			12/02/25 00:41	1
MIBK	<10		10	ug/L			12/02/25 00:41	1
Naphthalene	<10		10	ug/L			12/02/25 00:41	1
n-Butylbenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
N-Propylbenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
o-Xylene	<1.0		1.0	ug/L			12/02/25 00:41	1
p-Isopropyltoluene	<1.0		1.0	ug/L			12/02/25 00:41	1
sec-Butylbenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
Styrene	<1.0		1.0	ug/L			12/02/25 00:41	1
tert-Amyl alcohol	<50		50	ug/L			12/02/25 00:41	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			12/02/25 00:41	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			12/02/25 00:41	1
tert-Butylbenzene	<1.0		1.0	ug/L			12/02/25 00:41	1
Tetrachloroethene	<1.0		1.0	ug/L			12/02/25 00:41	1
Toluene	<1.0		1.0	ug/L			12/02/25 00:41	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			12/02/25 00:41	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			12/02/25 00:41	1
Trichloroethene	<1.0		1.0	ug/L			12/02/25 00:41	1
Trichlorofluoromethane	<10		10	ug/L			12/02/25 00:41	1
Vinyl acetate	<10		10	ug/L			12/02/25 00:41	1
Vinyl chloride	<0.50		0.50	ug/L			12/02/25 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		12/02/25 00:41	1
4-Bromofluorobenzene (Surr)	107		80 - 120		12/02/25 00:41	1
Dibromofluoromethane (Surr)	92		80 - 120		12/02/25 00:41	1
Toluene-d8 (Surr)	104		80 - 120		12/02/25 00:41	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		11/25/25 05:00	12/07/25 06:31	1
2-Methylnaphthalene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Acenaphthene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Acenaphthylene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Anthracene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Benzo[a]anthracene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Benzo[a]pyrene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Chrysene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Fluoranthene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1

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Client Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-184133-1

Date Collected: 11/20/25 10:30

Matrix: Water

Date Received: 11/21/25 07:38

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		11/25/25 05:00	12/07/25 06:31	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Naphthalene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Phenanthrene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1
Pyrene	<0.19		0.19	ug/L		11/25/25 05:00	12/07/25 06:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		28 - 127	11/25/25 05:00	12/07/25 06:31	1
2-Fluorobiphenyl (Surr)	94		31 - 120	11/25/25 05:00	12/07/25 06:31	1
2-Fluorophenol (Surr)	57		17 - 120	11/25/25 05:00	12/07/25 06:31	1
Nitrobenzene-d5 (Surr)	94		27 - 120	11/25/25 05:00	12/07/25 06:31	1
Phenol-d6 (Surr)	34		10 - 120	11/25/25 05:00	12/07/25 06:31	1
p-Terphenyl-d14 (Surr)	88		45 - 120	11/25/25 05:00	12/07/25 06:31	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
3-Penten-2-one, 4-methyl-	5.0	T J N	ug/L		1.90	141-79-7	11/25/25 05:00	12/10/25 01:03	1
Butylated Hydroxytoluene	6.1	T J N	ug/L		6.80	128-37-0	11/25/25 05:00	12/10/25 01:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	58		33 - 139	11/25/25 05:00	12/10/25 01:03	1
2-Fluorobiphenyl (Surr)	71		33 - 126	11/25/25 05:00	12/10/25 01:03	1
2-Fluorophenol (Surr)	40		12 - 120	11/25/25 05:00	12/10/25 01:03	1
Nitrobenzene-d5 (Surr)	75		36 - 120	11/25/25 05:00	12/10/25 01:03	1
Phenol-d6 (Surr)	23		10 - 120	11/25/25 05:00	12/10/25 01:03	1
p-Terphenyl-d14 (Surr)	60		47 - 131	11/25/25 05:00	12/10/25 01:03	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			11/26/25 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		38 - 134		11/26/25 16:57	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)	<25		25	ug/L		11/25/25 10:08	11/29/25 09:01	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		11/25/25 10:08	11/29/25 09:01	1
C8-C18	<25		25	ug/L		11/25/25 10:08	11/29/25 09:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	108		60 - 130	11/25/25 10:08	11/29/25 09:01	1

Client Sample ID: BWS2253-H1-TB

Lab Sample ID: 380-184133-2

Date Collected: 11/20/25 10:30

Matrix: Water

Date Received: 11/21/25 07:38

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			12/01/25 22:11	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			12/01/25 22:11	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

Client Sample ID: BWS2253-H1-TB

Lab Sample ID: 380-184133-2

Date Collected: 11/20/25 10:30

Matrix: Water

Date Received: 11/21/25 07:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			12/01/25 22:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			12/01/25 22:11	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			12/01/25 22:11	1
1,1-Dichloroethane	<1.0		1.0	ug/L			12/01/25 22:11	1
1,1-Dichloroethene	<1.0		1.0	ug/L			12/01/25 22:11	1
1,1-Dichloropropene	<1.0		1.0	ug/L			12/01/25 22:11	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			12/01/25 22:11	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			12/01/25 22:11	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
1,2-Dichloroethane	<0.50		0.50	ug/L			12/01/25 22:11	1
1,2-Dichloropropane	<1.0		1.0	ug/L			12/01/25 22:11	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
1,3-Dichloropropane	<1.0		1.0	ug/L			12/01/25 22:11	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
2,2-Dichloropropane	<1.0		1.0	ug/L			12/01/25 22:11	1
2-Butanone	<10		10	ug/L			12/01/25 22:11	1
2-Chlorotoluene	<1.0		1.0	ug/L			12/01/25 22:11	1
2-Hexanone	<10		10	ug/L			12/01/25 22:11	1
4-Chlorotoluene	<1.0		1.0	ug/L			12/01/25 22:11	1
Acetone	<10		10	ug/L			12/01/25 22:11	1
Benzene	<0.50		0.50	ug/L			12/01/25 22:11	1
Bromobenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
Bromochloromethane	<2.0		2.0	ug/L			12/01/25 22:11	1
Bromodichloromethane	<1.0		1.0	ug/L			12/01/25 22:11	1
Bromoform	<5.0		5.0	ug/L			12/01/25 22:11	1
Bromomethane	<10		10	ug/L			12/01/25 22:11	1
Carbon disulfide	<10		10	ug/L			12/01/25 22:11	1
Carbon tetrachloride	<0.50		0.50	ug/L			12/01/25 22:11	1
Chlorobenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
Chloroethane	<5.0		5.0	ug/L			12/01/25 22:11	1
Chloroform	<1.0		1.0	ug/L			12/01/25 22:11	1
Chloromethane	<10		10	ug/L			12/01/25 22:11	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			12/01/25 22:11	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			12/01/25 22:11	1
Dibromochloromethane	<2.0		2.0	ug/L			12/01/25 22:11	1
Dibromomethane	<1.0		1.0	ug/L			12/01/25 22:11	1
Dichlorodifluoromethane	<5.0	+	5.0	ug/L			12/01/25 22:11	1
Diethyl ether	<10		10	ug/L			12/01/25 22:11	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			12/01/25 22:11	1
Ethanol	<100		100	ug/L			12/01/25 22:11	1
Ethylbenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
Ethylene Dibromide	<1.0		1.0	ug/L			12/01/25 22:11	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			12/01/25 22:11	1
Hexachloro-1,3-butadiene	<10		10	ug/L			12/01/25 22:11	1
Hexane	<5.0		5.0	ug/L			12/01/25 22:11	1

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Client Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

Client Sample ID: BWS2253-H1-TB

Lab Sample ID: 380-184133-2

Date Collected: 11/20/25 10:30

Matrix: Water

Date Received: 11/21/25 07:38

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isobutyl alcohol	<75		75	ug/L			12/01/25 22:11	1
Isopropanol	<75		75	ug/L			12/01/25 22:11	1
Isopropylbenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
m,p-Xylene	<2.0		2.0	ug/L			12/01/25 22:11	1
Methylene Chloride	<10		10	ug/L			12/01/25 22:11	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			12/01/25 22:11	1
MIBK	<10		10	ug/L			12/01/25 22:11	1
Naphthalene	<10		10	ug/L			12/01/25 22:11	1
n-Butylbenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
N-Propylbenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
o-Xylene	<1.0		1.0	ug/L			12/01/25 22:11	1
p-Isopropyltoluene	<1.0		1.0	ug/L			12/01/25 22:11	1
sec-Butylbenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
Styrene	<1.0		1.0	ug/L			12/01/25 22:11	1
tert-Amyl alcohol	<50		50	ug/L			12/01/25 22:11	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			12/01/25 22:11	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			12/01/25 22:11	1
tert-Butylbenzene	<1.0		1.0	ug/L			12/01/25 22:11	1
Tetrachloroethene	<1.0		1.0	ug/L			12/01/25 22:11	1
Toluene	<1.0		1.0	ug/L			12/01/25 22:11	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			12/01/25 22:11	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			12/01/25 22:11	1
Trichloroethene	<1.0		1.0	ug/L			12/01/25 22:11	1
Trichlorofluoromethane	<10		10	ug/L			12/01/25 22:11	1
Vinyl acetate	<10		10	ug/L			12/01/25 22:11	1
Vinyl chloride	<0.50		0.50	ug/L			12/01/25 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		12/01/25 22:11	1
4-Bromofluorobenzene (Surr)	104		80 - 120		12/01/25 22:11	1
Dibromofluoromethane (Surr)	93		80 - 120		12/01/25 22:11	1
Toluene-d8 (Surr)	105		80 - 120		12/01/25 22:11	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			11/27/25 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		38 - 134		11/27/25 00:51	1

Action Limit Summary

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

Job ID: 380-184133-1
SDG: Site H1

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-184133-1

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: 380-184133-2

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: 380-184133-1
SDG: Site H1

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

Lab Sample ID: 380-184133-2

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: 380-184133-1
SDG: Site H1

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)
380-184133-1	BWS2253-H1-AQ	107	107	92	104
380-184133-2	BWS2253-H1-TB	109	104	93	105
LCS 570-663275/1004	Lab Control Sample	110	107	91	105
LCSD 570-663275/6	Lab Control Sample Dup	108	106	91	105
MB 570-663275/9	Method Blank	109	103	91	103

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)
380-184133-1	BWS2253-H1-AQ	58	71	40	75	23	60
MB 570-660359/1-A	Method Blank	62	70	44	75	26	63

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)
380-184133-1	BWS2253-H1-AQ	94	94	57	94	34	88
LCS 570-660359/2-A	Lab Control Sample	93	94	69	77	44	91
LCSD 570-660359/3-A	Lab Control Sample Dup	94	98	69	81	43	92
MB 570-660359/1-A	Method Blank	91	91	59	91	36	88

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: 380-184133-1
SDG: Site H1

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)
380-184133-1	BWS2253-H1-AQ	95
380-184133-2	BWS2253-H1-TB	94
570-255567-E-14 MS	Matrix Spike	90
570-255567-E-14 MSD	Matrix Spike Duplicate	92
LCS 570-662064/4	Lab Control Sample	90
LCSD 570-662064/5	Lab Control Sample Dup	92
MB 570-662064/6	Method Blank	86
MRL 570-662064/3	Lab Control Sample	104
Surrogate Legend		
BFB = 4-Bromofluorobenzene (Surr)		

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-184133-1	BWS2253-H1-AQ	108
380-184133-1 MS	BWS2253-H1-AQ	101
380-184133-1 MSD	BWS2253-H1-AQ	92
LCS 570-661442/2-A	Lab Control Sample	104
LCSD 570-661442/3-A	Lab Control Sample Dup	109
MB 570-661442/1-A	Method Blank	91
MRL 570-661442/4-A	Lab Control Sample	111
Surrogate Legend		
OTCSN = n-Octacosane (Surr)		

QC Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

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

Lab Sample ID: MB 570-663275/9

Matrix: Water

Analysis Batch: 663275

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			12/01/25 20:04	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			12/01/25 20:04	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			12/01/25 20:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			12/01/25 20:04	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			12/01/25 20:04	1
1,1-Dichloroethane	<1.0		1.0	ug/L			12/01/25 20:04	1
1,1-Dichloroethene	<1.0		1.0	ug/L			12/01/25 20:04	1
1,1-Dichloropropene	<1.0		1.0	ug/L			12/01/25 20:04	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			12/01/25 20:04	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			12/01/25 20:04	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
1,2-Dichloroethane	<0.50		0.50	ug/L			12/01/25 20:04	1
1,2-Dichloropropane	<1.0		1.0	ug/L			12/01/25 20:04	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
1,3-Dichloropropane	<1.0		1.0	ug/L			12/01/25 20:04	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
2,2-Dichloropropane	<1.0		1.0	ug/L			12/01/25 20:04	1
2-Butanone	<10		10	ug/L			12/01/25 20:04	1
2-Chlorotoluene	<1.0		1.0	ug/L			12/01/25 20:04	1
2-Hexanone	<10		10	ug/L			12/01/25 20:04	1
4-Chlorotoluene	<1.0		1.0	ug/L			12/01/25 20:04	1
Acetone	<10		10	ug/L			12/01/25 20:04	1
Benzene	<0.50		0.50	ug/L			12/01/25 20:04	1
Bromobenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
Bromochloromethane	<2.0		2.0	ug/L			12/01/25 20:04	1
Bromodichloromethane	<1.0		1.0	ug/L			12/01/25 20:04	1
Bromoform	<5.0		5.0	ug/L			12/01/25 20:04	1
Bromomethane	<10		10	ug/L			12/01/25 20:04	1
Carbon disulfide	<10		10	ug/L			12/01/25 20:04	1
Carbon tetrachloride	<0.50		0.50	ug/L			12/01/25 20:04	1
Chlorobenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
Chloroethane	<5.0		5.0	ug/L			12/01/25 20:04	1
Chloroform	<1.0		1.0	ug/L			12/01/25 20:04	1
Chloromethane	<10		10	ug/L			12/01/25 20:04	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			12/01/25 20:04	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			12/01/25 20:04	1
Dibromochloromethane	<2.0		2.0	ug/L			12/01/25 20:04	1
Dibromomethane	<1.0		1.0	ug/L			12/01/25 20:04	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			12/01/25 20:04	1
Diethyl ether	<10		10	ug/L			12/01/25 20:04	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			12/01/25 20:04	1
Ethanol	<100		100	ug/L			12/01/25 20:04	1
Ethylbenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
Ethylene Dibromide	<1.0		1.0	ug/L			12/01/25 20:04	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

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

Lab Sample ID: MB 570-663275/9

Matrix: Water

Analysis Batch: 663275

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			12/01/25 20:04	1
Hexachloro-1,3-butadiene	<10		10	ug/L			12/01/25 20:04	1
Hexane	<5.0		5.0	ug/L			12/01/25 20:04	1
Isobutyl alcohol	<75		75	ug/L			12/01/25 20:04	1
Isopropanol	<75		75	ug/L			12/01/25 20:04	1
Isopropylbenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
m,p-Xylene	<2.0		2.0	ug/L			12/01/25 20:04	1
Methylene Chloride	<10		10	ug/L			12/01/25 20:04	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			12/01/25 20:04	1
MIBK	<10		10	ug/L			12/01/25 20:04	1
Naphthalene	<10		10	ug/L			12/01/25 20:04	1
n-Butylbenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
N-Propylbenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
o-Xylene	<1.0		1.0	ug/L			12/01/25 20:04	1
p-Isopropyltoluene	<1.0		1.0	ug/L			12/01/25 20:04	1
sec-Butylbenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
Styrene	<1.0		1.0	ug/L			12/01/25 20:04	1
tert-Amyl alcohol	<50		50	ug/L			12/01/25 20:04	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			12/01/25 20:04	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			12/01/25 20:04	1
tert-Butylbenzene	<1.0		1.0	ug/L			12/01/25 20:04	1
Tetrachloroethene	<1.0		1.0	ug/L			12/01/25 20:04	1
Toluene	<1.0		1.0	ug/L			12/01/25 20:04	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			12/01/25 20:04	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			12/01/25 20:04	1
Trichloroethene	<1.0		1.0	ug/L			12/01/25 20:04	1
Trichlorofluoromethane	<10		10	ug/L			12/01/25 20:04	1
Vinyl acetate	<10		10	ug/L			12/01/25 20:04	1
Vinyl chloride	<0.50		0.50	ug/L			12/01/25 20:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		12/01/25 20:04	1
4-Bromofluorobenzene (Surr)	103		80 - 120		12/01/25 20:04	1
Dibromofluoromethane (Surr)	91		80 - 120		12/01/25 20:04	1
Toluene-d8 (Surr)	103		80 - 120		12/01/25 20:04	1

Lab Sample ID: LCS 570-663275/1004

Matrix: Water

Analysis Batch: 663275

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	19.6		ug/L		98	83 - 120
1,1,1-Trichloroethane	20.0	17.9		ug/L		89	78 - 123
1,1,2,2-Tetrachloroethane	20.0	18.2		ug/L		91	74 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.8		ug/L		89	72 - 130
1,1,2-Trichloroethane	20.0	18.6		ug/L		93	82 - 120
1,1-Dichloroethane	20.0	19.6		ug/L		98	79 - 122
1,1-Dichloroethane	20.0	19.4		ug/L		97	74 - 127

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

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

Lab Sample ID: LCS 570-663275/1004

Matrix: Water

Analysis Batch: 663275

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	18.9		ug/L		94	75 - 124
1,2,3-Trichlorobenzene	20.0	19.8		ug/L		99	71 - 126
1,2,3-Trichloropropane	20.0	21.3		ug/L		106	73 - 121
1,2,4-Trichlorobenzene	20.0	19.6		ug/L		98	70 - 130
1,2,4-Trimethylbenzene	20.0	19.1		ug/L		95	80 - 125
1,2-Dibromo-3-Chloropropane	20.0	19.6		ug/L		98	64 - 127
1,2-Dichlorobenzene	20.0	21.1		ug/L		106	78 - 122
1,2-Dichloroethane	20.0	23.7		ug/L		119	76 - 123
1,2-Dichloropropane	20.0	20.7		ug/L		103	82 - 120
1,3,5-Trimethylbenzene	20.0	20.1		ug/L		101	79 - 124
1,3-Dichlorobenzene	20.0	20.3		ug/L		102	81 - 120
1,3-Dichloropropane	20.0	20.7		ug/L		104	82 - 120
1,4-Dichlorobenzene	20.0	20.0		ug/L		100	78 - 121
2,2-Dichloropropane	20.0	17.7		ug/L		88	69 - 133
2-Butanone	20.0	24.0		ug/L		120	55 - 142
2-Chlorotoluene	20.0	20.8		ug/L		104	80 - 120
2-Hexanone	20.0	24.0		ug/L		120	54 - 138
4-Chlorotoluene	20.0	19.8		ug/L		99	80 - 121
Acetone	20.0	19.9		ug/L		99	50 - 157
Benzene	20.0	20.7		ug/L		103	80 - 120
Bromobenzene	20.0	22.1		ug/L		110	80 - 120
Bromochloromethane	20.0	18.2		ug/L		91	83 - 123
Bromodichloromethane	20.0	20.5		ug/L		103	83 - 120
Bromoform	20.0	18.8		ug/L		94	75 - 128
Bromomethane	20.0	21.3		ug/L		107	31 - 120
Carbon disulfide	20.0	17.0		ug/L		85	71 - 128
Carbon tetrachloride	20.0	16.8		ug/L		84	72 - 135
Chlorobenzene	20.0	19.7		ug/L		99	84 - 120
Chloroethane	20.0	20.0		ug/L		100	72 - 129
Chloroform	20.0	18.3		ug/L		92	79 - 120
Chloromethane	20.0	22.7		ug/L		113	36 - 148
cis-1,2-Dichloroethene	20.0	17.8		ug/L		89	81 - 120
cis-1,3-Dichloropropene	20.0	19.9		ug/L		99	76 - 125
Dibromochloromethane	20.0	19.1		ug/L		95	82 - 120
Dibromomethane	20.0	20.4		ug/L		102	85 - 120
Dichlorodifluoromethane	20.0	27.5		ug/L		137	52 - 147
Diethyl ether	20.0	18.6		ug/L		93	71 - 127
Di-isopropyl ether (DIPE)	20.0	21.5		ug/L		107	70 - 132
Ethanol	200	259		ug/L		129	48 - 163
Ethylbenzene	20.0	20.4		ug/L		102	81 - 120
Ethylene Dibromide	20.0	19.0		ug/L		95	81 - 120
Ethyl-t-butyl ether (ETBE)	20.0	19.4		ug/L		97	68 - 126
Isopropylbenzene	20.0	20.0		ug/L		100	80 - 122
m,p-Xylene	40.0	40.3		ug/L		101	79 - 122
Methylene Chloride	20.0	17.9		ug/L		89	76 - 120
Methyl-t-Butyl Ether (MTBE)	20.0	18.7		ug/L		94	70 - 124
MIBK	20.0	21.5		ug/L		108	57 - 133
Naphthalene	20.0	16.3		ug/L		81	64 - 124
n-Butylbenzene	20.0	18.3		ug/L		92	78 - 127

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

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

Lab Sample ID: LCS 570-663275/1004

Matrix: Water

Analysis Batch: 663275

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	20.4		ug/L		102	80 - 121
o-Xylene	20.0	20.5		ug/L		103	81 - 120
p-Isopropyltoluene	20.0	18.9		ug/L		94	81 - 124
sec-Butylbenzene	20.0	18.7		ug/L		94	80 - 123
Styrene	20.0	20.4		ug/L		102	82 - 120
tert-Amyl alcohol	100	96.8		ug/L		97	30 - 157
Tert-amyl-methyl ether (TAME)	20.0	19.7		ug/L		98	71 - 121
tert-Butyl alcohol (TBA)	100	105		ug/L		105	68 - 128
tert-Butylbenzene	20.0	19.4		ug/L		97	80 - 124
Tetrachloroethene	20.0	20.3		ug/L		102	78 - 126
Toluene	20.0	20.6		ug/L		103	82 - 120
trans-1,2-Dichloroethene	20.0	17.9		ug/L		89	79 - 122
trans-1,3-Dichloropropene	20.0	19.5		ug/L		98	73 - 127
Trichloroethene	20.0	19.6		ug/L		98	83 - 120
Trichlorofluoromethane	20.0	20.8		ug/L		104	74 - 135
Vinyl acetate	20.0	17.6		ug/L		88	56 - 135
Vinyl chloride	20.0	21.5		ug/L		108	68 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		80 - 120
4-Bromofluorobenzene (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	91		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: LCSD 570-663275/6

Matrix: Water

Analysis Batch: 663275

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	3	20
1,1,1-Trichloroethane	20.0	18.8		ug/L		94	78 - 123	5	20
1,1,2,2-Tetrachloroethane	20.0	18.3		ug/L		91	74 - 125	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.4		ug/L		97	72 - 130	9	20
1,1,2-Trichloroethane	20.0	18.8		ug/L		94	82 - 120	1	20
1,1-Dichloroethane	20.0	20.9		ug/L		105	79 - 122	7	20
1,1-Dichloroethene	20.0	20.7		ug/L		104	74 - 127	7	20
1,1-Dichloropropene	20.0	20.2		ug/L		101	75 - 124	7	20
1,2,3-Trichlorobenzene	20.0	20.3		ug/L		101	71 - 126	2	20
1,2,3-Trichloropropane	20.0	21.6		ug/L		108	73 - 121	2	20
1,2,4-Trichlorobenzene	20.0	20.2		ug/L		101	70 - 130	3	20
1,2,4-Trimethylbenzene	20.0	20.1		ug/L		100	80 - 125	5	20
1,2-Dibromo-3-Chloropropane	20.0	19.0		ug/L		95	64 - 127	3	20
1,2-Dichlorobenzene	20.0	21.9		ug/L		110	78 - 122	4	20
1,2-Dichloroethane	20.0	24.4		ug/L		122	76 - 123	3	20
1,2-Dichloropropane	20.0	21.9		ug/L		110	82 - 120	6	20
1,3,5-Trimethylbenzene	20.0	21.3		ug/L		107	79 - 124	6	20
1,3-Dichlorobenzene	20.0	20.9		ug/L		104	81 - 120	3	20
1,3-Dichloropropane	20.0	21.2		ug/L		106	82 - 120	2	20

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QC Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

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

Lab Sample ID: LCSD 570-663275/6

Matrix: Water

Analysis Batch: 663275

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	20.4		ug/L		102	78 - 121	2	20
2,2-Dichloropropane	20.0	19.7		ug/L		99	69 - 133	11	20
2-Butanone	20.0	22.8		ug/L		114	55 - 142	5	21
2-Chlorotoluene	20.0	20.9		ug/L		104	80 - 120	0	20
2-Hexanone	20.0	25.2		ug/L		126	54 - 138	5	21
4-Chlorotoluene	20.0	20.3		ug/L		101	80 - 121	3	20
Acetone	20.0	19.6		ug/L		98	50 - 157	1	26
Benzene	20.0	21.8		ug/L		109	80 - 120	6	20
Bromobenzene	20.0	22.5		ug/L		113	80 - 120	2	20
Bromochloromethane	20.0	18.9		ug/L		95	83 - 123	4	20
Bromodichloromethane	20.0	21.0		ug/L		105	83 - 120	2	20
Bromoform	20.0	19.0		ug/L		95	75 - 128	1	20
Bromomethane	20.0	22.1		ug/L		111	31 - 120	4	22
Carbon disulfide	20.0	18.5		ug/L		93	71 - 128	8	20
Carbon tetrachloride	20.0	17.9		ug/L		89	72 - 135	6	20
Chlorobenzene	20.0	20.7		ug/L		104	84 - 120	5	20
Chloroethane	20.0	21.4		ug/L		107	72 - 129	7	20
Chloroform	20.0	19.5		ug/L		97	79 - 120	6	20
Chloromethane	20.0	24.0		ug/L		120	36 - 148	6	20
cis-1,2-Dichloroethene	20.0	19.0		ug/L		95	81 - 120	6	20
cis-1,3-Dichloropropene	20.0	20.8		ug/L		104	76 - 125	5	20
Dibromochloromethane	20.0	19.7		ug/L		99	82 - 120	3	20
Dibromomethane	20.0	20.8		ug/L		104	85 - 120	2	20
Dichlorodifluoromethane	20.0	30.1	*+	ug/L		150	52 - 147	9	20
Diethyl ether	20.0	19.5		ug/L		97	71 - 127	4	20
Di-isopropyl ether (DIPE)	20.0	22.0		ug/L		110	70 - 132	3	20
Ethanol	200	237		ug/L		119	48 - 163	9	30
Ethylbenzene	20.0	21.5		ug/L		108	81 - 120	5	20
Ethylene Dibromide	20.0	19.5		ug/L		98	81 - 120	3	20
Ethyl-t-butyl ether (ETBE)	20.0	20.0		ug/L		100	68 - 126	3	20
Isopropylbenzene	20.0	21.0		ug/L		105	80 - 122	5	20
m,p-Xylene	40.0	42.6		ug/L		107	79 - 122	6	20
Methylene Chloride	20.0	18.6		ug/L		93	76 - 120	4	20
Methyl-t-Butyl Ether (MTBE)	20.0	19.6		ug/L		98	70 - 124	4	20
MIBK	20.0	22.0		ug/L		110	57 - 133	2	20
Naphthalene	20.0	16.4		ug/L		82	64 - 124	1	20
n-Butylbenzene	20.0	19.6		ug/L		98	78 - 127	7	20
N-Propylbenzene	20.0	21.7		ug/L		108	80 - 121	6	20
o-Xylene	20.0	21.1		ug/L		105	81 - 120	3	20
p-Isopropyltoluene	20.0	20.0		ug/L		100	81 - 124	6	20
sec-Butylbenzene	20.0	19.8		ug/L		99	80 - 123	6	20
Styrene	20.0	21.3		ug/L		106	82 - 120	4	20
tert-Amyl alcohol	100	103		ug/L		103	30 - 157	6	30
Tert-amyl-methyl ether (TAME)	20.0	20.4		ug/L		102	71 - 121	4	20
tert-Butyl alcohol (TBA)	100	105		ug/L		105	68 - 128	0	20
tert-Butylbenzene	20.0	20.4		ug/L		102	80 - 124	5	20
Tetrachloroethene	20.0	21.7		ug/L		108	78 - 126	6	20
Toluene	20.0	21.6		ug/L		108	82 - 120	5	20
trans-1,2-Dichloroethene	20.0	19.1		ug/L		95	79 - 122	7	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

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

Lab Sample ID: LCSD 570-663275/6

Matrix: Water

Analysis Batch: 663275

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	20.1		ug/L		101	73 - 127	3	20
Trichloroethene	20.0	20.5		ug/L		102	83 - 120	4	20
Trichlorofluoromethane	20.0	22.7		ug/L		114	74 - 135	9	20
Vinyl acetate	20.0	19.6		ug/L		98	56 - 135	11	24
Vinyl chloride	20.0	23.4		ug/L		117	68 - 131	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	91		80 - 120
Toluene-d8 (Surr)	105		80 - 120

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

Lab Sample ID: MB 570-660359/1-A

Matrix: Water

Analysis Batch: 667558

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660359

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	11/24/25 09:00	12/10/25 00:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		33 - 139	11/24/25 09:00	12/10/25 00:15	1
2-Fluorobiphenyl (Surr)	70		33 - 126	11/24/25 09:00	12/10/25 00:15	1
2-Fluorophenol (Surr)	44		12 - 120	11/24/25 09:00	12/10/25 00:15	1
Nitrobenzene-d5 (Surr)	75		36 - 120	11/24/25 09:00	12/10/25 00:15	1
Phenol-d6 (Surr)	26		10 - 120	11/24/25 09:00	12/10/25 00:15	1
p-Terphenyl-d14 (Surr)	63		47 - 131	11/24/25 09:00	12/10/25 00:15	1

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

Lab Sample ID: MB 570-660359/1-A

Matrix: Water

Analysis Batch: 666053

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660359

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
2-Methylnaphthalene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Acenaphthene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Acenaphthylene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Anthracene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Benzo[a]anthracene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Benzo[a]pyrene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Chrysene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

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

Lab Sample ID: MB 570-660359/1-A

Matrix: Water

Analysis Batch: 666053

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 660359

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Fluorene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Naphthalene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Phenanthrene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1
Pyrene	<0.20		0.20	ug/L		11/24/25 09:00	12/07/25 05:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		28 - 127	11/24/25 09:00	12/07/25 05:01	1
2-Fluorobiphenyl (Surr)	91		31 - 120	11/24/25 09:00	12/07/25 05:01	1
2-Fluorophenol (Surr)	59		17 - 120	11/24/25 09:00	12/07/25 05:01	1
Nitrobenzene-d5 (Surr)	91		27 - 120	11/24/25 09:00	12/07/25 05:01	1
Phenol-d6 (Surr)	36		10 - 120	11/24/25 09:00	12/07/25 05:01	1
p-Terphenyl-d14 (Surr)	88		45 - 120	11/24/25 09:00	12/07/25 05:01	1

Lab Sample ID: LCS 570-660359/2-A

Matrix: Water

Analysis Batch: 666053

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 660359

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	15.6		ug/L		78	47 - 120
2-Methylnaphthalene	20.0	15.3		ug/L		76	43 - 120
Acenaphthene	20.0	18.7		ug/L		93	60 - 132
Acenaphthylene	20.0	19.4		ug/L		97	54 - 126
Anthracene	20.0	19.4		ug/L		97	43 - 120
Benzo[a]anthracene	20.0	19.8		ug/L		99	42 - 133
Benzo[a]pyrene	20.0	20.5		ug/L		103	32 - 148
Benzo[b]fluoranthene	20.0	20.9		ug/L		104	42 - 140
Benzo[g,h,i]perylene	20.0	19.5		ug/L		98	1 - 195
Benzo[k]fluoranthene	20.0	19.4		ug/L		97	25 - 146
Chrysene	20.0	19.1		ug/L		96	44 - 140
Dibenz[a,h]anthracene	20.0	20.8		ug/L		104	1 - 200
Fluoranthene	20.0	19.8		ug/L		99	43 - 121
Fluorene	20.0	18.6		ug/L		93	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	19.9		ug/L		100	1 - 151
Naphthalene	20.0	15.5		ug/L		78	36 - 120
Phenanthrene	20.0	19.7		ug/L		98	65 - 120
Pyrene	20.0	20.5		ug/L		102	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	93		28 - 127
2-Fluorobiphenyl (Surr)	94		31 - 120
2-Fluorophenol (Surr)	69		17 - 120
Nitrobenzene-d5 (Surr)	77		27 - 120
Phenol-d6 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	91		45 - 120

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

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

Lab Sample ID: LCSD 570-660359/3-A

Matrix: Water

Analysis Batch: 666053

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 660359

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	RPD
							Limits		
1-Methylnaphthalene	20.0	16.3		ug/L		82	47 - 120	4	20
2-Methylnaphthalene	20.0	16.3		ug/L		82	43 - 120	7	20
Acenaphthene	20.0	19.7		ug/L		98	60 - 132	5	29
Acenaphthylene	20.0	20.5		ug/L		103	54 - 126	6	45
Anthracene	20.0	19.7		ug/L		98	43 - 120	2	40
Benzo[a]anthracene	20.0	19.8		ug/L		99	42 - 133	0	32
Benzo[a]pyrene	20.0	20.4		ug/L		102	32 - 148	1	43
Benzo[b]fluoranthene	20.0	20.3		ug/L		101	42 - 140	3	43
Benzo[g,h,i]perylene	20.0	19.8		ug/L		99	1 - 195	1	61
Benzo[k]fluoranthene	20.0	19.9		ug/L		99	25 - 146	2	38
Chrysene	20.0	18.9		ug/L		94	44 - 140	1	53
Dibenz(a,h)anthracene	20.0	20.9		ug/L		105	1 - 200	1	75
Fluoranthene	20.0	20.2		ug/L		101	43 - 121	2	40
Fluorene	20.0	19.4		ug/L		97	70 - 120	4	23
Indeno[1,2,3-cd]pyrene	20.0	20.4		ug/L		102	1 - 151	2	60
Naphthalene	20.0	16.1		ug/L		81	36 - 120	4	39
Phenanthrene	20.0	19.8		ug/L		99	65 - 120	0	24
Pyrene	20.0	20.6		ug/L		103	70 - 120	1	30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	94		28 - 127
2-Fluorobiphenyl (Surr)	98		31 - 120
2-Fluorophenol (Surr)	69		17 - 120
Nitrobenzene-d5 (Surr)	81		27 - 120
Phenol-d6 (Surr)	43		10 - 120
p-Terphenyl-d14 (Surr)	92		45 - 120

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

Lab Sample ID: MB 570-662064/6

Matrix: Water

Analysis Batch: 662064

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
GRO (C6-C10)	<10		10	ug/L			11/26/25 13:20	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	86		38 - 134		11/26/25 13:20	1

Lab Sample ID: LCS 570-662064/4

Matrix: Water

Analysis Batch: 662064

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	356		ug/L		89	78 - 120	

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

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

Lab Sample ID: LCS 570-662064/4

Matrix: Water

Analysis Batch: 662064

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		38 - 134

Lab Sample ID: LCSD 570-662064/5

Matrix: Water

Analysis Batch: 662064

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (C4-C13)			400	367		ug/L		92	78 - 120	3	10

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		38 - 134

Lab Sample ID: MRL 570-662064/3

Matrix: Water

Analysis Batch: 662064

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	MRL	MRL				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (C4-C13)			10.0	12.1		ug/L		121	50 - 150		

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		38 - 134

Lab Sample ID: 570-255567-E-14 MS

Matrix: Water

Analysis Batch: 662064

Client Sample ID: Matrix Spike

Prep Type: Total/NA

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (C4-C13)	3000		2000	4650		ug/L		84	68 - 122		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		38 - 134

Lab Sample ID: 570-255567-E-14 MSD

Matrix: Water

Analysis Batch: 662064

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (C4-C13)	3000		2000	4720		ug/L		88	68 - 122	2	18

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		38 - 134

QC Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

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

Lab Sample ID: MB 570-661442/1-A

Matrix: Water

Analysis Batch: 662565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 661442

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		11/25/25 10:08	11/29/25 02:35	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		11/25/25 10:08	11/29/25 02:35	1
C8-C18	<25		25	ug/L		11/25/25 10:08	11/29/25 02:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	91		60 - 130			11/25/25 10:08	11/29/25 02:35	1

Lab Sample ID: LCS 570-661442/2-A

Matrix: Water

Analysis Batch: 662565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 661442

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	2000	2060		ug/L		103	56 - 127
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	104		60 - 130				

Lab Sample ID: LCSD 570-661442/3-A

Matrix: Water

Analysis Batch: 662565

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 661442

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	2000	2130		ug/L		106	56 - 127	3	23
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
n-Octacosane (Surr)	109		60 - 130						

Lab Sample ID: MRL 570-661442/4-A

Matrix: Water

Analysis Batch: 662565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 661442

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0200	<0.020		mg/L		97	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
n-Octacosane (Surr)	111		60 - 130				

Lab Sample ID: 380-184133-1 MS

Matrix: Water

Analysis Batch: 662565

Client Sample ID: BWS2253-H1-AQ

Prep Type: Total/NA

Prep Batch: 661442

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<25		2030	2340		ug/L		115	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
n-Octacosane (Surr)	101		60 - 130						

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-184133-1
SDG: Site H1

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

Lab Sample ID: 380-184133-1 MSD

Matrix: Water

Analysis Batch: 662565

Client Sample ID: BWS2253-H1-AQ

Prep Type: Total/NA

Prep Batch: 661442

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<25		2030	2150		ug/L		106	70 - 130	8	20
Surrogate	%Recovery	MSD Qualifier	Limits								
n-Octacosane (Surr)	92		60 - 130								

QC Association Summary

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

Job ID: 380-184133-1
SDG: Site H1

GC/MS VOA

Analysis Batch: 663275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-184133-1	BWS2253-H1-AQ	Total/NA	Water	8260B	
380-184133-2	BWS2253-H1-TB	Total/NA	Water	8260B	
MB 570-663275/9	Method Blank	Total/NA	Water	8260B	
LCS 570-663275/1004	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-663275/6	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 660359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-184133-1	BWS2253-H1-AQ	Total/NA	Water	625.1	
MB 570-660359/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-660359/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-660359/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 666053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-184133-1	BWS2253-H1-AQ	Total/NA	Water	625.1 SIM	660359
MB 570-660359/1-A	Method Blank	Total/NA	Water	625.1 SIM	660359
LCS 570-660359/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	660359
LCSD 570-660359/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	660359

Analysis Batch: 667558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-184133-1	BWS2253-H1-AQ	Total/NA	Water	625.1	660359
MB 570-660359/1-A	Method Blank	Total/NA	Water	625.1	660359

GC VOA

Analysis Batch: 662064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-184133-1	BWS2253-H1-AQ	Total/NA	Water	8015B GRO LL	
380-184133-2	BWS2253-H1-TB	Total/NA	Water	8015B GRO LL	
MB 570-662064/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-662064/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-662064/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-662064/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
570-255567-E-14 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
570-255567-E-14 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 661442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-184133-1	BWS2253-H1-AQ	Total/NA	Water	3510C	
MB 570-661442/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-661442/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-661442/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-661442/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-184133-1 MS	BWS2253-H1-AQ	Total/NA	Water	3510C	
380-184133-1 MSD	BWS2253-H1-AQ	Total/NA	Water	3510C	

Eurofins Eaton Analytical Pomona

QC Association Summary

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

Job ID: 380-184133-1
SDG: Site H1

GC Semi VOA

Analysis Batch: 662565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-184133-1	BWS2253-H1-AQ	Total/NA	Water	8015B	661442
MB 570-661442/1-A	Method Blank	Total/NA	Water	8015B	661442
LCS 570-661442/2-A	Lab Control Sample	Total/NA	Water	8015B	661442
LCSD 570-661442/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	661442
MRL 570-661442/4-A	Lab Control Sample	Total/NA	Water	8015B	661442
380-184133-1 MS	BWS2253-H1-AQ	Total/NA	Water	8015B	661442
380-184133-1 MSD	BWS2253-H1-AQ	Total/NA	Water	8015B	661442

Lab Chronicle

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

Job ID: 380-184133-1
SDG: Site H1

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-184133-1

Date Collected: 11/20/25 10:30

Matrix: Water

Date Received: 11/21/25 07:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	663275	PT	EET CAL 4	12/02/25 00:41
Total/NA	Prep	625.1			660359	OAJ3	EET CAL 4	11/25/25 05:00
Total/NA	Analysis	625.1		1	667558	J7WE	EET CAL 4	12/10/25 01:03
Total/NA	Prep	625.1			660359	OAJ3	EET CAL 4	11/25/25 05:00
Total/NA	Analysis	625.1 SIM		1	666053	PQS1	EET CAL 4	12/07/25 06:31
Total/NA	Analysis	8015B GRO LL		1	662064	YD9V	EET CAL 4	11/26/25 16:57
Total/NA	Prep	3510C			661442	TVD6	EET CAL 4	11/25/25 10:08
Total/NA	Analysis	8015B		1	662565	H6FE	EET CAL 4	11/29/25 09:01

Client Sample ID: BWS2253-H1-TB

Lab Sample ID: 380-184133-2

Date Collected: 11/20/25 10:30

Matrix: Water

Date Received: 11/21/25 07:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	663275	PT	EET CAL 4	12/01/25 22:11
Total/NA	Analysis	8015B GRO LL		1	662064	YD9V	EET CAL 4	11/27/25 00:51

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: 380-184133-1
SDG: Site H1

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	03-02-26
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-26

Method Summary

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

Job ID: 380-184133-1
SDG: Site H1

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: 380-184133-1
SDG: Site H1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-184133-1	BWS2253-H1-AQ	Water	11/20/25 10:30	11/21/25 07:38	Hawaii
380-184133-2	BWS2253-H1-TB	Water	11/20/25 10:30	11/21/25 07:38	Hawaii

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

Eurofins Pomona, CA
941 Corporate Center Drive
Pomona, CA 91768

Chain of Custody Record



Client Information		Sampler: E. Kakone/H. Bentley		Lab PAK: Lopez, Maria		Carrier Tracking No(s):		COC No:	
Client Contact: Mr. Erwin Kawala		Phone: 858-205-0730		E-Mail: Maria.Lopez@eurofins.com		State of Origin: Hawaii		Page: Page 1 of 1	
City & County of Honolulu		PWSID:		Analysis Requested					
Address: 630 South Beretania Street		Due Date Requested:		Preservation Codes:					
City: Honolulu		TAT Requested (days): Standard		M - Hexane					
State, Zip: HI 96843		Compliance Project: Δ Yes Δ No		A - HCL					
Phone: 808-748-5086		PO #:		B - NaOH					
Email: ekawala@hbsw.org		WO #:		C - Zn Acetate					
Project Name: HRS-340E - RED-HILL - INTERA		Project #:		D - Nitric Acid					
Site: Site H1		SSOW#:		E - NaHSO4					
				F - MeOH					
				G - Arsenic					
				H - Ascorbic Acid					
				I - Ica					
				J - DI Water					
				K - EDTA					
				L - EDA					
				Y - Triene					
				Z - other (specify)					
				Other:					
				Special Instructions/Note: x = testing comes from another container.					
				Subcontract Notes:					
				525 PAH - EEA Pom					
				2015 TPH D+M, JPS, JPS					
				8015 Gas - EEA Pom					
				8260B - EEA Pom					
				PFAS 537.1 & 533 - EEA Pom					
				PFAS 1633 - EEA SAC					
				Bill and Report to EEA - Pomona					
				Total Number of Containers					
				3					
				4					
				5					
				6					
				7					
				8					
				9					
				10					
				11					
				12					
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380-184133 COC



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-184133-1

SDG Number: Site H1

Login Number: 184133

List Source: Eurofins Eaton Analytical Pomona

List Number: 1

Creator: Ngo, Theodore

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: 380-184133-1

SDG Number: Site H1

Login Number: 184133

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 11/24/25 06:47 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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	2.1
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	