

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

INTERA - Red-Hill-Incident
Site H

JOB NUMBER

380-171095-1

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: 380-171095-1
SDG: Site H

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased

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: 380-171095-1

Job ID: 380-171095-1

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Job Narrative 380-171095-1

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 9/12/2025 7:47 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 1.8°C.

GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 570-628450. 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

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_DRO_LL_CS: Results for C8-18 and C10-28 were detected above the reporting limit for the following sample. There was no additional sample available for re-extraction, therefore the results were reported with narration.

SiteH-BWS2253-024 (380-171095-1)

Method 8015B_DRO_LL_CS: The method reporting limit check (MRL) for preparation batch 570-627381 and analytical batch 570-630215 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.

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

Eurofins Eaton Analytical Pomona

Detection Summary

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

Job ID: 380-171095-1
SDG: Site H

Client Sample ID: SiteH-BWS2253-024

Lab Sample ID: 380-171095-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.59		0.19	ug/L	1		625.1 SIM	Total/NA
Diesel Range Organics (C10-C24) - RA	38		26	ug/L	1		8015B	Total/NA
C8-C18 - RA	32		26	ug/L	1		8015B	Total/NA

Client Sample ID: SiteH-BWS2253-024-TB

Lab Sample ID: 380-171095-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-171095-1
SDG: Site H

Client Sample ID: SiteH-BWS2253-024

Lab Sample ID: 380-171095-1

Date Collected: 09/11/25 10:30

Matrix: Water

Date Received: 09/12/25 07:47

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			09/20/25 19:12	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			09/20/25 19:12	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			09/20/25 19:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			09/20/25 19:12	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			09/20/25 19:12	1
1,1-Dichloroethane	<1.0		1.0	ug/L			09/20/25 19:12	1
1,1-Dichloroethene	<1.0		1.0	ug/L			09/20/25 19:12	1
1,1-Dichloropropene	<1.0		1.0	ug/L			09/20/25 19:12	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			09/20/25 19:12	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			09/20/25 19:12	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
1,2-Dichloroethane	<0.50		0.50	ug/L			09/20/25 19:12	1
1,2-Dichloropropane	<1.0		1.0	ug/L			09/20/25 19:12	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
1,3-Dichloropropane	<1.0		1.0	ug/L			09/20/25 19:12	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
2,2-Dichloropropane	<1.0		1.0	ug/L			09/20/25 19:12	1
2-Butanone	<10		10	ug/L			09/20/25 19:12	1
2-Chlorotoluene	<1.0		1.0	ug/L			09/20/25 19:12	1
2-Hexanone	<10		10	ug/L			09/20/25 19:12	1
4-Chlorotoluene	<1.0		1.0	ug/L			09/20/25 19:12	1
Acetone	<10		10	ug/L			09/20/25 19:12	1
Benzene	<0.50		0.50	ug/L			09/20/25 19:12	1
Bromobenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
Bromochloromethane	<2.0		2.0	ug/L			09/20/25 19:12	1
Bromodichloromethane	<1.0		1.0	ug/L			09/20/25 19:12	1
Bromoform	<5.0		5.0	ug/L			09/20/25 19:12	1
Bromomethane	<10		10	ug/L			09/20/25 19:12	1
Carbon disulfide	<10		10	ug/L			09/20/25 19:12	1
Carbon tetrachloride	<0.50		0.50	ug/L			09/20/25 19:12	1
Chlorobenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
Chloroethane	<5.0		5.0	ug/L			09/20/25 19:12	1
Chloroform	<1.0		1.0	ug/L			09/20/25 19:12	1
Chloromethane	<10		10	ug/L			09/20/25 19:12	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			09/20/25 19:12	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			09/20/25 19:12	1
Dibromochloromethane	<2.0		2.0	ug/L			09/20/25 19:12	1
Dibromomethane	<1.0		1.0	ug/L			09/20/25 19:12	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			09/20/25 19:12	1
Diethyl ether	<10		10	ug/L			09/20/25 19:12	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			09/20/25 19:12	1
Ethanol	<100		100	ug/L			09/20/25 19:12	1
Ethylbenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
Ethylene Dibromide	<1.0		1.0	ug/L			09/20/25 19:12	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			09/20/25 19:12	1

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Client Sample Results

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

Job ID: 380-171095-1
SDG: Site H

Client Sample ID: SiteH-BWS2253-024

Lab Sample ID: 380-171095-1

Date Collected: 09/11/25 10:30

Matrix: Water

Date Received: 09/12/25 07:47

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			09/20/25 19:12	1
Hexane	<5.0		5.0	ug/L			09/20/25 19:12	1
Isobutyl alcohol	<75		75	ug/L			09/20/25 19:12	1
Isopropanol	<75		75	ug/L			09/20/25 19:12	1
Isopropylbenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
m,p-Xylene	<2.0		2.0	ug/L			09/20/25 19:12	1
Methylene Chloride	<10		10	ug/L			09/20/25 19:12	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			09/20/25 19:12	1
MIBK	<10		10	ug/L			09/20/25 19:12	1
Naphthalene	<10		10	ug/L			09/20/25 19:12	1
n-Butylbenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
N-Propylbenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
o-Xylene	<1.0		1.0	ug/L			09/20/25 19:12	1
p-Isopropyltoluene	<1.0		1.0	ug/L			09/20/25 19:12	1
sec-Butylbenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
Styrene	<1.0		1.0	ug/L			09/20/25 19:12	1
tert-Amyl alcohol	<50		50	ug/L			09/20/25 19:12	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			09/20/25 19:12	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			09/20/25 19:12	1
tert-Butylbenzene	<1.0		1.0	ug/L			09/20/25 19:12	1
Tetrachloroethene	<1.0		1.0	ug/L			09/20/25 19:12	1
Toluene	<1.0		1.0	ug/L			09/20/25 19:12	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			09/20/25 19:12	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			09/20/25 19:12	1
Trichloroethene	<1.0		1.0	ug/L			09/20/25 19:12	1
Trichlorofluoromethane	<10		10	ug/L			09/20/25 19:12	1
Vinyl acetate	<10		10	ug/L			09/20/25 19:12	1
Vinyl chloride	<0.50		0.50	ug/L			09/20/25 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		09/20/25 19:12	1
4-Bromofluorobenzene (Surr)	92		80 - 120		09/20/25 19:12	1
Dibromofluoromethane (Surr)	99		80 - 120		09/20/25 19:12	1
Toluene-d8 (Surr)	100		80 - 120		09/20/25 19:12	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		09/15/25 04:33	09/17/25 22:26	1
2-Methylnaphthalene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Acenaphthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Acenaphthylene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Anthracene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Benzo[a]anthracene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Benzo[a]pyrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Chrysene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Fluoranthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1

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Client Sample Results

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

Job ID: 380-171095-1
SDG: Site H

Client Sample ID: SiteH-BWS2253-024

Lab Sample ID: 380-171095-1

Date Collected: 09/11/25 10:30

Matrix: Water

Date Received: 09/12/25 07:47

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		09/15/25 04:33	09/17/25 22:26	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Naphthalene	0.59		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Phenanthrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1
Pyrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 22:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		28 - 127	09/15/25 04:33	09/17/25 22:26	1
2-Fluorobiphenyl (Surr)	77		31 - 120	09/15/25 04:33	09/17/25 22:26	1
2-Fluorophenol (Surr)	44		17 - 120	09/15/25 04:33	09/17/25 22:26	1
Nitrobenzene-d5 (Surr)	75		27 - 120	09/15/25 04:33	09/17/25 22:26	1
Phenol-d6 (Surr)	24		10 - 120	09/15/25 04:33	09/17/25 22:26	1
p-Terphenyl-d14 (Surr)	78		45 - 120	09/15/25 04:33	09/17/25 22:26	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	09/15/25 04:33	09/26/25 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		33 - 139	09/15/25 04:33	09/26/25 18:04	1
2-Fluorobiphenyl (Surr)	77		33 - 126	09/15/25 04:33	09/26/25 18:04	1
2-Fluorophenol (Surr)	51		12 - 120	09/15/25 04:33	09/26/25 18:04	1
Nitrobenzene-d5 (Surr)	100		36 - 120	09/15/25 04:33	09/26/25 18:04	1
Phenol-d6 (Surr)	31		10 - 120	09/15/25 04:33	09/26/25 18:04	1
p-Terphenyl-d14 (Surr)	92		47 - 131	09/15/25 04:33	09/26/25 18:04	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			09/17/25 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		38 - 134		09/17/25 13:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	38		26	ug/L		09/18/25 10:20	09/25/25 00:21	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		09/18/25 10:20	09/25/25 00:21	1
C8-C18	32		26	ug/L		09/18/25 10:20	09/25/25 00:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	98		60 - 130	09/18/25 10:20	09/25/25 00:21	1

Client Sample ID: SiteH-BWS2253-024-TB

Lab Sample ID: 380-171095-2

Date Collected: 09/11/25 10:30

Matrix: Water

Date Received: 09/12/25 07:47

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			09/20/25 18:49	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			09/20/25 18:49	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			09/20/25 18:49	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-171095-1
SDG: Site H

Client Sample ID: SiteH-BWS2253-024-TB

Lab Sample ID: 380-171095-2

Date Collected: 09/11/25 10:30

Matrix: Water

Date Received: 09/12/25 07:47

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			09/20/25 18:49	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			09/20/25 18:49	1
1,1-Dichloroethane	<1.0		1.0	ug/L			09/20/25 18:49	1
1,1-Dichloroethene	<1.0		1.0	ug/L			09/20/25 18:49	1
1,1-Dichloropropene	<1.0		1.0	ug/L			09/20/25 18:49	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			09/20/25 18:49	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			09/20/25 18:49	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
1,2-Dichloroethane	<0.50		0.50	ug/L			09/20/25 18:49	1
1,2-Dichloropropane	<1.0		1.0	ug/L			09/20/25 18:49	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
1,3-Dichloropropane	<1.0		1.0	ug/L			09/20/25 18:49	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
2,2-Dichloropropane	<1.0		1.0	ug/L			09/20/25 18:49	1
2-Butanone	<10		10	ug/L			09/20/25 18:49	1
2-Chlorotoluene	<1.0		1.0	ug/L			09/20/25 18:49	1
2-Hexanone	<10		10	ug/L			09/20/25 18:49	1
4-Chlorotoluene	<1.0		1.0	ug/L			09/20/25 18:49	1
Acetone	<10		10	ug/L			09/20/25 18:49	1
Benzene	<0.50		0.50	ug/L			09/20/25 18:49	1
Bromobenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
Bromochloromethane	<2.0		2.0	ug/L			09/20/25 18:49	1
Bromodichloromethane	<1.0		1.0	ug/L			09/20/25 18:49	1
Bromoform	<5.0		5.0	ug/L			09/20/25 18:49	1
Bromomethane	<10		10	ug/L			09/20/25 18:49	1
Carbon disulfide	<10		10	ug/L			09/20/25 18:49	1
Carbon tetrachloride	<0.50		0.50	ug/L			09/20/25 18:49	1
Chlorobenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
Chloroethane	<5.0		5.0	ug/L			09/20/25 18:49	1
Chloroform	<1.0		1.0	ug/L			09/20/25 18:49	1
Chloromethane	<10		10	ug/L			09/20/25 18:49	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			09/20/25 18:49	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			09/20/25 18:49	1
Dibromochloromethane	<2.0		2.0	ug/L			09/20/25 18:49	1
Dibromomethane	<1.0		1.0	ug/L			09/20/25 18:49	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			09/20/25 18:49	1
Diethyl ether	<10		10	ug/L			09/20/25 18:49	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			09/20/25 18:49	1
Ethanol	<100		100	ug/L			09/20/25 18:49	1
Ethylbenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
Ethylene Dibromide	<1.0		1.0	ug/L			09/20/25 18:49	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0	ug/L			09/20/25 18:49	1
Hexachloro-1,3-butadiene	<10		10	ug/L			09/20/25 18:49	1
Hexane	<5.0		5.0	ug/L			09/20/25 18:49	1
Isobutyl alcohol	<75		75	ug/L			09/20/25 18:49	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-171095-1
SDG: Site H

Client Sample ID: SiteH-BWS2253-024-TB

Lab Sample ID: 380-171095-2

Date Collected: 09/11/25 10:30

Matrix: Water

Date Received: 09/12/25 07:47

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropanol	<75		75	ug/L			09/20/25 18:49	1
Isopropylbenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
m,p-Xylene	<2.0		2.0	ug/L			09/20/25 18:49	1
Methylene Chloride	<10		10	ug/L			09/20/25 18:49	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			09/20/25 18:49	1
MIBK	<10		10	ug/L			09/20/25 18:49	1
Naphthalene	<10		10	ug/L			09/20/25 18:49	1
n-Butylbenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
N-Propylbenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
o-Xylene	<1.0		1.0	ug/L			09/20/25 18:49	1
p-Isopropyltoluene	<1.0		1.0	ug/L			09/20/25 18:49	1
sec-Butylbenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
Styrene	<1.0		1.0	ug/L			09/20/25 18:49	1
tert-Amyl alcohol	<50		50	ug/L			09/20/25 18:49	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			09/20/25 18:49	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			09/20/25 18:49	1
tert-Butylbenzene	<1.0		1.0	ug/L			09/20/25 18:49	1
Tetrachloroethene	<1.0		1.0	ug/L			09/20/25 18:49	1
Toluene	<1.0		1.0	ug/L			09/20/25 18:49	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			09/20/25 18:49	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			09/20/25 18:49	1
Trichloroethene	<1.0		1.0	ug/L			09/20/25 18:49	1
Trichlorofluoromethane	<10		10	ug/L			09/20/25 18:49	1
Vinyl acetate	<10		10	ug/L			09/20/25 18:49	1
Vinyl chloride	<0.50		0.50	ug/L			09/20/25 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		09/20/25 18:49	1
4-Bromofluorobenzene (Surr)	92		80 - 120		09/20/25 18:49	1
Dibromofluoromethane (Surr)	99		80 - 120		09/20/25 18:49	1
Toluene-d8 (Surr)	99		80 - 120		09/20/25 18:49	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			09/17/25 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		38 - 134		09/17/25 12:32	1

Action Limit Summary

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

Job ID: 380-171095-1
SDG: Site H

Client Sample ID: SiteH-BWS2253-024

Lab Sample ID: 380-171095-1

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: SiteH-BWS2253-024-TB

Lab Sample ID: 380-171095-2

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: 380-171095-1
SDG: Site H

Client Sample ID: SiteH-BWS2253-024-TB (Continued)

Lab Sample ID: 380-171095-2

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: 380-171095-1
SDG: Site H

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)
380-171095-1	SiteH-BWS2253-024	97	92	99	100
380-171095-2	SiteH-BWS2253-024-TB	97	92	99	99
LCS 570-628450/1012	Lab Control Sample	99	101	99	101
LCSD 570-628450/13	Lab Control Sample Dup	102	102	100	101
MB 570-628450/15	Method Blank	100	93	101	99

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)
380-171095-1	SiteH-BWS2253-024	78	77	51	100	31	92
MB 570-625449/1-A	Method Blank	71	75	55	88	32	87

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)
380-170493-A-1-A MS	Matrix Spike	80	78	55	64	35	78
380-170493-A-1-B MSD	Matrix Spike Duplicate	71	73	52	61	33	71
380-171095-1	SiteH-BWS2253-024	81	77	44	75	24	78
LCS 570-625449/2-A	Lab Control Sample	66	66	48	56	31	68
LCSD 570-625449/3-A	Lab Control Sample Dup	78	79	57	66	37	77
MB 570-625449/1-A	Method Blank	75	69	47	67	29	73

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: 380-171095-1
SDG: Site H

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)
380-171095-1	SiteH-BWS2253-024	100
380-171095-2	SiteH-BWS2253-024-TB	92
570-246170-C-4 MS	Matrix Spike	96
570-246170-E-4 MSD	Matrix Spike Duplicate	97
LCS 570-626677/4	Lab Control Sample	92
LCSD 570-626677/5	Lab Control Sample Dup	89
MB 570-626677/6	Method Blank	89
MRL 570-626677/3	Lab Control Sample	90

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)
380-171095-1 - RA	SiteH-BWS2253-024	98
380-171095-1 MS	SiteH-BWS2253-024	100
380-171095-1 MSD	SiteH-BWS2253-024	104
LCS 570-627381/2-A	Lab Control Sample	106
LCSD 570-627381/3-A	Lab Control Sample Dup	95
MB 570-627381/1-A	Method Blank	91
MRL 570-627381/4-A	Lab Control Sample	75
MRL 570-627381/4-A	Lab Control Sample	95

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: MB 570-628450/15

Matrix: Water

Analysis Batch: 628450

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			09/20/25 16:53	1
1,1,1-Trichloroethane	<1.0		1.0	ug/L			09/20/25 16:53	1
1,1,2,2-Tetrachloroethane	<1.0		1.0	ug/L			09/20/25 16:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10	ug/L			09/20/25 16:53	1
1,1,2-Trichloroethane	<1.0		1.0	ug/L			09/20/25 16:53	1
1,1-Dichloroethane	<1.0		1.0	ug/L			09/20/25 16:53	1
1,1-Dichloroethene	<1.0		1.0	ug/L			09/20/25 16:53	1
1,1-Dichloropropene	<1.0		1.0	ug/L			09/20/25 16:53	1
1,2,3-Trichlorobenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
1,2,3-Trichloropropane	<5.0		5.0	ug/L			09/20/25 16:53	1
1,2,4-Trichlorobenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
1,2,4-Trimethylbenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
1,2-Dibromo-3-Chloropropane	<10		10	ug/L			09/20/25 16:53	1
1,2-Dichlorobenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
1,2-Dichloroethane	<0.50		0.50	ug/L			09/20/25 16:53	1
1,2-Dichloropropane	<1.0		1.0	ug/L			09/20/25 16:53	1
1,3,5-Trimethylbenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
1,3-Dichlorobenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
1,3-Dichloropropane	<1.0		1.0	ug/L			09/20/25 16:53	1
1,4-Dichlorobenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
2,2-Dichloropropane	<1.0		1.0	ug/L			09/20/25 16:53	1
2-Butanone	<10		10	ug/L			09/20/25 16:53	1
2-Chlorotoluene	<1.0		1.0	ug/L			09/20/25 16:53	1
2-Hexanone	<10		10	ug/L			09/20/25 16:53	1
4-Chlorotoluene	<1.0		1.0	ug/L			09/20/25 16:53	1
Acetone	<10		10	ug/L			09/20/25 16:53	1
Benzene	<0.50		0.50	ug/L			09/20/25 16:53	1
Bromobenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
Bromochloromethane	<2.0		2.0	ug/L			09/20/25 16:53	1
Bromodichloromethane	<1.0		1.0	ug/L			09/20/25 16:53	1
Bromoform	<5.0		5.0	ug/L			09/20/25 16:53	1
Bromomethane	<10		10	ug/L			09/20/25 16:53	1
Carbon disulfide	<10		10	ug/L			09/20/25 16:53	1
Carbon tetrachloride	<0.50		0.50	ug/L			09/20/25 16:53	1
Chlorobenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
Chloroethane	<5.0		5.0	ug/L			09/20/25 16:53	1
Chloroform	<1.0		1.0	ug/L			09/20/25 16:53	1
Chloromethane	<10		10	ug/L			09/20/25 16:53	1
cis-1,2-Dichloroethene	<1.0		1.0	ug/L			09/20/25 16:53	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			09/20/25 16:53	1
Dibromochloromethane	<2.0		2.0	ug/L			09/20/25 16:53	1
Dibromomethane	<1.0		1.0	ug/L			09/20/25 16:53	1
Dichlorodifluoromethane	<5.0		5.0	ug/L			09/20/25 16:53	1
Diethyl ether	<10		10	ug/L			09/20/25 16:53	1
Di-isopropyl ether (DIPE)	<2.0		2.0	ug/L			09/20/25 16:53	1
Ethanol	<100		100	ug/L			09/20/25 16:53	1
Ethylbenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
Ethylene Dibromide	<1.0		1.0	ug/L			09/20/25 16:53	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: MB 570-628450/15

Matrix: Water

Analysis Batch: 628450

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			09/20/25 16:53	1
Hexachloro-1,3-butadiene	<10		10	ug/L			09/20/25 16:53	1
Hexane	<5.0		5.0	ug/L			09/20/25 16:53	1
Isobutyl alcohol	<75		75	ug/L			09/20/25 16:53	1
Isopropanol	<75		75	ug/L			09/20/25 16:53	1
Isopropylbenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
m,p-Xylene	<2.0		2.0	ug/L			09/20/25 16:53	1
Methylene Chloride	<10		10	ug/L			09/20/25 16:53	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0	ug/L			09/20/25 16:53	1
MIBK	<10		10	ug/L			09/20/25 16:53	1
Naphthalene	<10		10	ug/L			09/20/25 16:53	1
n-Butylbenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
N-Propylbenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
o-Xylene	<1.0		1.0	ug/L			09/20/25 16:53	1
p-Isopropyltoluene	<1.0		1.0	ug/L			09/20/25 16:53	1
sec-Butylbenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
Styrene	<1.0		1.0	ug/L			09/20/25 16:53	1
tert-Amyl alcohol	<50		50	ug/L			09/20/25 16:53	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0	ug/L			09/20/25 16:53	1
tert-Butyl alcohol (TBA)	<10		10	ug/L			09/20/25 16:53	1
tert-Butylbenzene	<1.0		1.0	ug/L			09/20/25 16:53	1
Tetrachloroethene	<1.0		1.0	ug/L			09/20/25 16:53	1
Toluene	<1.0		1.0	ug/L			09/20/25 16:53	1
trans-1,2-Dichloroethene	<1.0		1.0	ug/L			09/20/25 16:53	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			09/20/25 16:53	1
Trichloroethene	<1.0		1.0	ug/L			09/20/25 16:53	1
Trichlorofluoromethane	<10		10	ug/L			09/20/25 16:53	1
Vinyl acetate	<10		10	ug/L			09/20/25 16:53	1
Vinyl chloride	<0.50		0.50	ug/L			09/20/25 16:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		09/20/25 16:53	1
4-Bromofluorobenzene (Surr)	93		80 - 120		09/20/25 16:53	1
Dibromofluoromethane (Surr)	101		80 - 120		09/20/25 16:53	1
Toluene-d8 (Surr)	99		80 - 120		09/20/25 16:53	1

Lab Sample ID: LCS 570-628450/1012

Matrix: Water

Analysis Batch: 628450

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	20.2		ug/L		101	83 - 120
1,1,1-Trichloroethane	20.0	21.8		ug/L		109	78 - 123
1,1,2,2-Tetrachloroethane	20.0	19.9		ug/L		99	74 - 125
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.9		ug/L		104	72 - 130
1,1,2-Trichloroethane	20.0	21.8		ug/L		109	82 - 120
1,1-Dichloroethane	20.0	21.4		ug/L		107	79 - 122
1,1-Dichloroethene	20.0	20.8		ug/L		104	74 - 127

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: LCS 570-628450/1012

Matrix: Water

Analysis Batch: 628450

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	21.2		ug/L		106	75 - 124
1,2,3-Trichlorobenzene	20.0	18.8		ug/L		94	71 - 126
1,2,3-Trichloropropane	20.0	18.3		ug/L		92	73 - 121
1,2,4-Trichlorobenzene	20.0	20.1		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	20.0	23.5		ug/L		118	80 - 125
1,2-Dibromo-3-Chloropropane	20.0	15.8		ug/L		79	64 - 127
1,2-Dichlorobenzene	20.0	20.5		ug/L		103	78 - 122
1,2-Dichloroethane	20.0	21.4		ug/L		107	76 - 123
1,2-Dichloropropane	20.0	21.4		ug/L		107	82 - 120
1,3,5-Trimethylbenzene	20.0	20.3		ug/L		101	79 - 124
1,3-Dichlorobenzene	20.0	22.0		ug/L		110	81 - 120
1,3-Dichloropropane	20.0	19.6		ug/L		98	82 - 120
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	78 - 121
2,2-Dichloropropane	20.0	21.8		ug/L		109	69 - 133
2-Butanone	20.0	19.5		ug/L		98	55 - 142
2-Chlorotoluene	20.0	21.3		ug/L		106	80 - 120
2-Hexanone	20.0	17.5		ug/L		87	54 - 138
4-Chlorotoluene	20.0	21.9		ug/L		110	80 - 121
Acetone	20.0	19.3		ug/L		97	50 - 157
Benzene	20.0	21.4		ug/L		107	80 - 120
Bromobenzene	20.0	20.3		ug/L		101	80 - 120
Bromochloromethane	20.0	20.8		ug/L		104	83 - 123
Bromodichloromethane	20.0	21.9		ug/L		109	83 - 120
Bromoform	20.0	18.7		ug/L		94	75 - 128
Bromomethane	20.0	19.9		ug/L		99	31 - 120
Carbon disulfide	20.0	20.9		ug/L		104	71 - 128
Carbon tetrachloride	20.0	21.4		ug/L		107	72 - 135
Chlorobenzene	20.0	22.0		ug/L		110	84 - 120
Chloroethane	20.0	20.6		ug/L		103	72 - 129
Chloroform	20.0	20.7		ug/L		103	79 - 120
Chloromethane	20.0	20.9		ug/L		105	36 - 148
cis-1,2-Dichloroethene	20.0	21.7		ug/L		108	81 - 120
cis-1,3-Dichloropropene	20.0	20.8		ug/L		104	76 - 125
Dibromochloromethane	20.0	20.2		ug/L		101	82 - 120
Dibromomethane	20.0	20.8		ug/L		104	85 - 120
Dichlorodifluoromethane	20.0	19.5		ug/L		97	52 - 147
Diethyl ether	20.0	21.0		ug/L		105	71 - 127
Di-isopropyl ether (DIPE)	20.0	21.1		ug/L		105	70 - 132
Ethanol	200	159		ug/L		80	48 - 163
Ethylbenzene	20.0	22.1		ug/L		111	81 - 120
Ethylene Dibromide	20.0	19.1		ug/L		96	81 - 120
Ethyl-t-butyl ether (ETBE)	20.0	20.3		ug/L		102	68 - 126
Isopropylbenzene	20.0	21.2		ug/L		106	80 - 122
m,p-Xylene	40.0	45.4		ug/L		114	79 - 122
Methylene Chloride	20.0	20.3		ug/L		102	76 - 120
Methyl-t-Butyl Ether (MTBE)	20.0	20.1		ug/L		101	70 - 124
MIBK	20.0	16.1		ug/L		81	57 - 133
Naphthalene	20.0	17.8		ug/L		89	64 - 124
n-Butylbenzene	20.0	21.0		ug/L		105	78 - 127

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: LCS 570-628450/1012

Matrix: Water

Analysis Batch: 628450

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	20.1		ug/L		101	80 - 121
o-Xylene	20.0	22.7		ug/L		113	81 - 120
p-Isopropyltoluene	20.0	22.7		ug/L		114	81 - 124
sec-Butylbenzene	20.0	22.8		ug/L		114	80 - 123
Styrene	20.0	20.0		ug/L		100	82 - 120
tert-Amyl alcohol	100	81.8		ug/L		82	30 - 157
Tert-amyl-methyl ether (TAME)	20.0	20.5		ug/L		103	71 - 121
tert-Butyl alcohol (TBA)	100	84.4		ug/L		84	68 - 128
tert-Butylbenzene	20.0	22.8		ug/L		114	80 - 124
Tetrachloroethene	20.0	22.0		ug/L		110	78 - 126
Toluene	20.0	21.6		ug/L		108	82 - 120
trans-1,2-Dichloroethene	20.0	19.1		ug/L		96	79 - 122
trans-1,3-Dichloropropene	20.0	20.9		ug/L		104	73 - 127
Trichloroethene	20.0	22.4		ug/L		112	83 - 120
Trichlorofluoromethane	20.0	21.4		ug/L		107	74 - 135
Vinyl acetate	20.0	15.8		ug/L		79	56 - 135
Vinyl chloride	20.0	20.7		ug/L		103	68 - 131

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

Lab Sample ID: LCSD 570-628450/13

Matrix: Water

Analysis Batch: 628450

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	19.6		ug/L		98	83 - 120	3	20
1,1,1-Trichloroethane	20.0	20.9		ug/L		104	78 - 123	4	20
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	74 - 125	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.7		ug/L		98	72 - 130	6	20
1,1,2-Trichloroethane	20.0	21.5		ug/L		107	82 - 120	1	20
1,1-Dichloroethane	20.0	20.5		ug/L		102	79 - 122	4	20
1,1-Dichloroethene	20.0	20.1		ug/L		101	74 - 127	3	20
1,1-Dichloropropene	20.0	20.0		ug/L		100	75 - 124	6	20
1,2,3-Trichlorobenzene	20.0	18.6		ug/L		93	71 - 126	1	20
1,2,3-Trichloropropane	20.0	19.1		ug/L		96	73 - 121	4	20
1,2,4-Trichlorobenzene	20.0	19.6		ug/L		98	70 - 130	3	20
1,2,4-Trimethylbenzene	20.0	22.0		ug/L		110	80 - 125	7	20
1,2-Dibromo-3-Chloropropane	20.0	17.5		ug/L		87	64 - 127	10	20
1,2-Dichlorobenzene	20.0	20.2		ug/L		101	78 - 122	2	20
1,2-Dichloroethane	20.0	20.7		ug/L		104	76 - 123	3	20
1,2-Dichloropropane	20.0	20.7		ug/L		103	82 - 120	4	20
1,3,5-Trimethylbenzene	20.0	19.5		ug/L		98	79 - 124	4	20
1,3-Dichlorobenzene	20.0	21.5		ug/L		107	81 - 120	3	20
1,3-Dichloropropane	20.0	19.8		ug/L		99	82 - 120	1	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: LCSD 570-628450/13

Matrix: Water

Analysis Batch: 628450

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	20.5		ug/L		102	78 - 121	3	20
2,2-Dichloropropane	20.0	20.4		ug/L		102	69 - 133	7	20
2-Butanone	20.0	18.2		ug/L		91	55 - 142	7	21
2-Chlorotoluene	20.0	21.4		ug/L		107	80 - 120	1	20
2-Hexanone	20.0	18.7		ug/L		94	54 - 138	7	21
4-Chlorotoluene	20.0	21.4		ug/L		107	80 - 121	3	20
Acetone	20.0	17.6		ug/L		88	50 - 157	9	26
Benzene	20.0	20.2		ug/L		101	80 - 120	6	20
Bromobenzene	20.0	19.9		ug/L		99	80 - 120	2	20
Bromochloromethane	20.0	21.0		ug/L		105	83 - 123	1	20
Bromodichloromethane	20.0	20.8		ug/L		104	83 - 120	5	20
Bromoform	20.0	18.6		ug/L		93	75 - 128	1	20
Bromomethane	20.0	17.9		ug/L		90	31 - 120	10	22
Carbon disulfide	20.0	19.7		ug/L		98	71 - 128	6	20
Carbon tetrachloride	20.0	20.8		ug/L		104	72 - 135	3	20
Chlorobenzene	20.0	21.3		ug/L		106	84 - 120	3	20
Chloroethane	20.0	18.4		ug/L		92	72 - 129	11	20
Chloroform	20.0	19.4		ug/L		97	79 - 120	6	20
Chloromethane	20.0	18.8		ug/L		94	36 - 148	11	20
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	81 - 120	6	20
cis-1,3-Dichloropropene	20.0	20.8		ug/L		104	76 - 125	0	20
Dibromochloromethane	20.0	20.2		ug/L		101	82 - 120	0	20
Dibromomethane	20.0	20.6		ug/L		103	85 - 120	1	20
Dichlorodifluoromethane	20.0	17.5		ug/L		87	52 - 147	11	20
Diethyl ether	20.0	20.2		ug/L		101	71 - 127	4	20
Di-isopropyl ether (DIPE)	20.0	20.2		ug/L		101	70 - 132	4	20
Ethanol	200	169		ug/L		85	48 - 163	6	30
Ethylbenzene	20.0	21.2		ug/L		106	81 - 120	4	20
Ethylene Dibromide	20.0	19.6		ug/L		98	81 - 120	2	20
Ethyl-t-butyl ether (ETBE)	20.0	20.2		ug/L		101	68 - 126	1	20
Isopropylbenzene	20.0	20.2		ug/L		101	80 - 122	5	20
m,p-Xylene	40.0	43.2		ug/L		108	79 - 122	5	20
Methylene Chloride	20.0	20.3		ug/L		101	76 - 120	0	20
Methyl-t-Butyl Ether (MTBE)	20.0	20.2		ug/L		101	70 - 124	0	20
MIBK	20.0	16.5		ug/L		82	57 - 133	2	20
Naphthalene	20.0	17.9		ug/L		89	64 - 124	0	20
n-Butylbenzene	20.0	20.2		ug/L		101	78 - 127	4	20
N-Propylbenzene	20.0	19.5		ug/L		97	80 - 121	3	20
o-Xylene	20.0	21.8		ug/L		109	81 - 120	4	20
p-Isopropyltoluene	20.0	21.2		ug/L		106	81 - 124	7	20
sec-Butylbenzene	20.0	21.7		ug/L		109	80 - 123	5	20
Styrene	20.0	19.5		ug/L		97	82 - 120	3	20
tert-Amyl alcohol	100	81.8		ug/L		82	30 - 157	0	30
Tert-amyl-methyl ether (TAME)	20.0	20.1		ug/L		101	71 - 121	2	20
tert-Butyl alcohol (TBA)	100	85.5		ug/L		86	68 - 128	1	20
tert-Butylbenzene	20.0	21.3		ug/L		107	80 - 124	7	20
Tetrachloroethene	20.0	21.3		ug/L		107	78 - 126	3	20
Toluene	20.0	20.6		ug/L		103	82 - 120	5	20
trans-1,2-Dichloroethene	20.0	19.6		ug/L		98	79 - 122	3	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: LCSD 570-628450/13

Matrix: Water

Analysis Batch: 628450

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	20.7		ug/L		104	73 - 127	1	20
Trichloroethene	20.0	21.0		ug/L		105	83 - 120	6	20
Trichlorofluoromethane	20.0	19.4		ug/L		97	74 - 135	10	20
Vinyl acetate	20.0	17.8		ug/L		89	56 - 135	12	24
Vinyl chloride	20.0	18.4		ug/L		92	68 - 131	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	101		80 - 120

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

Lab Sample ID: MB 570-625449/1-A

Matrix: Water

Analysis Batch: 631724

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 625449

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	09/15/25 04:33	09/26/25 17:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	71		33 - 139	09/15/25 04:33	09/26/25 17:40	1
2-Fluorobiphenyl (Surr)	75		33 - 126	09/15/25 04:33	09/26/25 17:40	1
2-Fluorophenol (Surr)	55		12 - 120	09/15/25 04:33	09/26/25 17:40	1
Nitrobenzene-d5 (Surr)	88		36 - 120	09/15/25 04:33	09/26/25 17:40	1
Phenol-d6 (Surr)	32		10 - 120	09/15/25 04:33	09/26/25 17:40	1
p-Terphenyl-d14 (Surr)	87		47 - 131	09/15/25 04:33	09/26/25 17:40	1

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

Lab Sample ID: MB 570-625449/1-A

Matrix: Water

Analysis Batch: 626828

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 625449

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
2-Methylnaphthalene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Acenaphthene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Acenaphthylene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Anthracene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Benzo[a]anthracene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Benzo[a]pyrene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Chrysene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: MB 570-625449/1-A

Matrix: Water

Analysis Batch: 626828

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 625449

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Fluorene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Naphthalene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Phenanthrene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Pyrene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		28 - 127	09/15/25 04:33	09/17/25 17:41	1
2-Fluorobiphenyl (Surr)	69		31 - 120	09/15/25 04:33	09/17/25 17:41	1
2-Fluorophenol (Surr)	47		17 - 120	09/15/25 04:33	09/17/25 17:41	1
Nitrobenzene-d5 (Surr)	67		27 - 120	09/15/25 04:33	09/17/25 17:41	1
Phenol-d6 (Surr)	29		10 - 120	09/15/25 04:33	09/17/25 17:41	1
p-Terphenyl-d14 (Surr)	73		45 - 120	09/15/25 04:33	09/17/25 17:41	1

Lab Sample ID: LCS 570-625449/2-A

Matrix: Water

Analysis Batch: 626828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 625449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	12.0		ug/L		60	47 - 120
2-Methylnaphthalene	20.0	12.0		ug/L		60	43 - 120
Acenaphthene	20.0	13.7		ug/L		69	60 - 132
Acenaphthylene	20.0	14.0		ug/L		70	54 - 126
Anthracene	20.0	14.2		ug/L		71	43 - 120
Benzo[a]anthracene	20.0	14.0		ug/L		70	42 - 133
Benzo[a]pyrene	20.0	14.7		ug/L		74	32 - 148
Benzo[b]fluoranthene	20.0	13.9		ug/L		70	42 - 140
Benzo[g,h,i]perylene	20.0	14.7		ug/L		73	1 - 195
Benzo[k]fluoranthene	20.0	15.4		ug/L		77	25 - 146
Chrysene	20.0	14.2		ug/L		71	44 - 140
Dibenz(a,h)anthracene	20.0	14.5		ug/L		73	1 - 200
Fluoranthene	20.0	14.1		ug/L		70	43 - 121
Fluorene	20.0	14.2		ug/L		71	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	13.5		ug/L		67	1 - 151
Naphthalene	20.0	11.7		ug/L		59	36 - 120
Phenanthrene	20.0	13.5		ug/L		68	65 - 120
Pyrene	20.0	14.0		ug/L		70	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	66		28 - 127
2-Fluorobiphenyl (Surr)	66		31 - 120
2-Fluorophenol (Surr)	48		17 - 120
Nitrobenzene-d5 (Surr)	56		27 - 120
Phenol-d6 (Surr)	31		10 - 120
p-Terphenyl-d14 (Surr)	68		45 - 120

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: LCSD 570-625449/3-A

Matrix: Water

Analysis Batch: 626828

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 625449

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	14.3		ug/L		72	47 - 120	17	20
2-Methylnaphthalene	20.0	14.1		ug/L		71	43 - 120	17	20
Acenaphthene	20.0	16.8		ug/L		84	60 - 132	20	29
Acenaphthylene	20.0	17.1		ug/L		85	54 - 126	20	45
Anthracene	20.0	17.1		ug/L		85	43 - 120	19	40
Benzo[a]anthracene	20.0	16.8		ug/L		84	42 - 133	18	32
Benzo[a]pyrene	20.0	17.5		ug/L		87	32 - 148	17	43
Benzo[b]fluoranthene	20.0	16.9		ug/L		85	42 - 140	20	43
Benzo[g,h,i]perylene	20.0	17.6		ug/L		88	1 - 195	18	61
Benzo[k]fluoranthene	20.0	17.6		ug/L		88	25 - 146	13	38
Chrysene	20.0	17.2		ug/L		86	44 - 140	19	53
Dibenz(a,h)anthracene	20.0	17.0		ug/L		85	1 - 200	16	75
Fluoranthene	20.0	17.1		ug/L		86	43 - 121	20	40
Fluorene	20.0	17.1		ug/L		86	70 - 120	19	23
Indeno[1,2,3-cd]pyrene	20.0	16.0		ug/L		80	1 - 151	17	60
Naphthalene	20.0	13.9		ug/L		69	36 - 120	16	39
Phenanthrene	20.0	16.4		ug/L		82	65 - 120	20	24
Pyrene	20.0	17.1		ug/L		85	70 - 120	20	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	78		28 - 127
2-Fluorobiphenyl (Surr)	79		31 - 120
2-Fluorophenol (Surr)	57		17 - 120
Nitrobenzene-d5 (Surr)	66		27 - 120
Phenol-d6 (Surr)	37		10 - 120
p-Terphenyl-d14 (Surr)	77		45 - 120

Lab Sample ID: 380-170493-A-1-A MS

Matrix: Water

Analysis Batch: 626828

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 625449

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.3	13.7		ug/L		71	36 - 120
2-Methylnaphthalene	<0.19		19.3	13.5		ug/L		70	32 - 124
Acenaphthene	<0.19		19.3	16.1		ug/L		83	47 - 145
Acenaphthylene	<0.19		19.3	16.3		ug/L		85	33 - 145
Anthracene	<0.19		19.3	16.8		ug/L		87	27 - 133
Benzo[a]anthracene	<0.19		19.3	16.5		ug/L		86	33 - 143
Benzo[a]pyrene	<0.19		19.3	17.2		ug/L		89	17 - 163
Benzo[b]fluoranthene	<0.19		19.3	16.7		ug/L		86	24 - 159
Benzo[g,h,i]perylene	<0.19		19.3	17.0		ug/L		88	1 - 219
Benzo[k]fluoranthene	<0.19		19.3	17.3		ug/L		89	11 - 162
Chrysene	<0.19		19.3	16.8		ug/L		87	17 - 168
Dibenz(a,h)anthracene	<0.19		19.3	16.9		ug/L		87	1 - 227
Fluoranthene	<0.19		19.3	17.0		ug/L		88	26 - 137
Fluorene	<0.19		19.3	16.6		ug/L		86	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.3	15.4		ug/L		80	1 - 171
Naphthalene	<0.19		19.3	12.9		ug/L		67	21 - 133

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: 380-170493-A-1-A MS

Matrix: Water

Analysis Batch: 626828

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 625449

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	<0.19		19.3	16.2		ug/L		84	54 - 120
Pyrene	<0.19		19.3	16.6		ug/L		86	52 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	80		28 - 127
2-Fluorobiphenyl (Surr)	78		31 - 120
2-Fluorophenol (Surr)	55		17 - 120
Nitrobenzene-d5 (Surr)	64		27 - 120
Phenol-d6 (Surr)	35		10 - 120
p-Terphenyl-d14 (Surr)	78		45 - 120

Lab Sample ID: 380-170493-A-1-B MSD

Matrix: Water

Analysis Batch: 626828

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 625449

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.4	12.9		ug/L		67	36 - 120	6	30
2-Methylnaphthalene	<0.19		19.4	12.8		ug/L		66	32 - 124	5	30
Acenaphthene	<0.19		19.4	14.9		ug/L		77	47 - 145	8	48
Acenaphthylene	<0.19		19.4	15.1		ug/L		78	33 - 145	8	74
Anthracene	<0.19		19.4	14.9		ug/L		77	27 - 133	12	66
Benzo[a]anthracene	<0.19		19.4	14.6		ug/L		76	33 - 143	12	53
Benzo[a]pyrene	<0.19		19.4	15.1		ug/L		78	17 - 163	13	72
Benzo[b]fluoranthene	<0.19		19.4	14.5		ug/L		75	24 - 159	14	71
Benzo[g,h,i]perylene	<0.19		19.4	15.1		ug/L		78	1 - 219	12	97
Benzo[k]fluoranthene	<0.19		19.4	15.4		ug/L		79	11 - 162	12	63
Chrysene	<0.19		19.4	14.7		ug/L		76	17 - 168	13	87
Dibenz(a,h)anthracene	<0.19		19.4	15.1		ug/L		78	1 - 227	11	126
Fluoranthene	<0.19		19.4	14.8		ug/L		77	26 - 137	14	66
Fluorene	<0.19		19.4	15.0		ug/L		78	59 - 121	10	38
Indeno[1,2,3-cd]pyrene	<0.19		19.4	13.7		ug/L		71	1 - 171	12	99
Naphthalene	<0.19		19.4	12.5		ug/L		65	21 - 133	3	65
Phenanthrene	<0.19		19.4	14.4		ug/L		74	54 - 120	12	39
Pyrene	<0.19		19.4	14.8		ug/L		76	52 - 120	12	49

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	71		28 - 127
2-Fluorobiphenyl (Surr)	73		31 - 120
2-Fluorophenol (Surr)	52		17 - 120
Nitrobenzene-d5 (Surr)	61		27 - 120
Phenol-d6 (Surr)	33		10 - 120
p-Terphenyl-d14 (Surr)	71		45 - 120

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: MB 570-626677/6

Matrix: Water

Analysis Batch: 626677

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			09/17/25 11:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		38 - 134				09/17/25 11:20	1

Lab Sample ID: LCS 570-626677/4

Matrix: Water

Analysis Batch: 626677

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	433		ug/L		108	78 - 120	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	92		38 - 134					

Lab Sample ID: LCSD 570-626677/5

Matrix: Water

Analysis Batch: 626677

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	5	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		38 - 134						

Lab Sample ID: MRL 570-626677/3

Matrix: Water

Analysis Batch: 626677

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	13.7		ug/L		137	50 - 150	
Surrogate	MRL %Recovery	MRL Qualifier	Limits					
4-Bromofluorobenzene (Surr)	90		38 - 134					

Lab Sample ID: 570-246170-C-4 MS

Matrix: Water

Analysis Batch: 626677

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	449		ug/L		112	68 - 122	
Surrogate	MS %Recovery	MS Qualifier	Limits							
4-Bromofluorobenzene (Surr)	96		38 - 134							

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: 570-246170-E-4 MSD

Matrix: Water

Analysis Batch: 626677

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	473		ug/L		118	68 - 122	5	18
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	97		38 - 134								

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

Lab Sample ID: MB 570-627381/1-A

Matrix: Water

Analysis Batch: 630215

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 627381

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		09/18/25 10:20	09/24/25 12:56	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		09/18/25 10:20	09/24/25 12:56	1
C8-C18	<25		25	ug/L		09/18/25 10:20	09/24/25 12:56	1
Surrogate	%Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac		
n-Octacosane (Surr)	91		60 - 130	09/18/25 10:20	09/24/25 12:56	1		

Lab Sample ID: LCS 570-627381/2-A

Matrix: Water

Analysis Batch: 630215

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 627381

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD
C10-C28	1600	1720		ug/L		108	56 - 127	
Surrogate	%Recovery	LCS Qualifier	LCS Limits					
n-Octacosane (Surr)	106		60 - 130					

Lab Sample ID: LCSD 570-627381/3-A

Matrix: Water

Analysis Batch: 630215

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 627381

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD
C10-C28	1600	1430		ug/L		89	56 - 127	19
Surrogate	%Recovery	LCSD Qualifier	LCSD Limits					
n-Octacosane (Surr)	95		60 - 130					

Lab Sample ID: MRL 570-627381/4-A

Matrix: Water

Analysis Batch: 630215

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 627381

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits	RPD
C10-C28	0.0200	0.0673	^3+	mg/L		336	50 - 150	

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171095-1
SDG: Site H

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

Lab Sample ID: MRL 570-627381/4-A
Matrix: Water
Analysis Batch: 630215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627381

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
n-Octacosane (Surr)	75		60 - 130

Lab Sample ID: MRL 570-627381/4-A
Matrix: Water
Analysis Batch: 630639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627381

			Spike	MRL	MRL				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
C10-C28			0.0200	0.0268		mg/L		134	50 - 150	
Surrogate	MRL	MRL								
	%Recovery	Qualifier	Limits							
n-Octacosane (Surr)	95		60 - 130							

Lab Sample ID: 380-171095-1 MS
Matrix: Water
Analysis Batch: 630215

Client Sample ID: SiteH-BWS2253-024
Prep Type: Total/NA
Prep Batch: 627381

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
C10-C28	42		1660	1790		ug/L		105	70 - 130	
Surrogate	MS	MS								
	%Recovery	Qualifier	Limits							
n-Octacosane (Surr)	100		60 - 130							

Lab Sample ID: 380-171095-1 MSD
Matrix: Water
Analysis Batch: 630215

Client Sample ID: SiteH-BWS2253-024
Prep Type: Total/NA
Prep Batch: 627381

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
C10-C28	42		1660	1930		ug/L		114	70 - 130	8	20	
Surrogate	MSD	MSD										
	%Recovery	Qualifier	Limits									
n-Octacosane (Surr)	104		60 - 130									

QC Association Summary

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

Job ID: 380-171095-1
SDG: Site H

GC/MS VOA

Analysis Batch: 628450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171095-1	SiteH-BWS2253-024	Total/NA	Water	8260B	
380-171095-2	SiteH-BWS2253-024-TB	Total/NA	Water	8260B	
MB 570-628450/15	Method Blank	Total/NA	Water	8260B	
LCS 570-628450/1012	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-628450/13	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 625449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171095-1	SiteH-BWS2253-024	Total/NA	Water	625.1	
MB 570-625449/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-625449/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-625449/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-170493-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-170493-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 626828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171095-1	SiteH-BWS2253-024	Total/NA	Water	625.1 SIM	625449
MB 570-625449/1-A	Method Blank	Total/NA	Water	625.1 SIM	625449
LCS 570-625449/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	625449
LCSD 570-625449/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	625449
380-170493-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	625449
380-170493-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	625449

Analysis Batch: 631724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171095-1	SiteH-BWS2253-024	Total/NA	Water	625.1	625449
MB 570-625449/1-A	Method Blank	Total/NA	Water	625.1	625449

GC VOA

Analysis Batch: 626677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171095-1	SiteH-BWS2253-024	Total/NA	Water	8015B GRO LL	
380-171095-2	SiteH-BWS2253-024-TB	Total/NA	Water	8015B GRO LL	
MB 570-626677/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-626677/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-626677/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-626677/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
570-246170-C-4 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
570-246170-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 627381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171095-1	SiteH-BWS2253-024	Total/NA	Water	3510C	
380-171095-1 - RA	SiteH-BWS2253-024	Total/NA	Water	3510C	
MB 570-627381/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-627381/2-A	Lab Control Sample	Total/NA	Water	3510C	

Eurofins Eaton Analytical Pomona

QC Association Summary

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

Job ID: 380-171095-1
SDG: Site H

GC Semi VOA (Continued)

Prep Batch: 627381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-627381/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-627381/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-171095-1 MS	SiteH-BWS2253-024	Total/NA	Water	3510C	
380-171095-1 MSD	SiteH-BWS2253-024	Total/NA	Water	3510C	

Analysis Batch: 630215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171095-1	SiteH-BWS2253-024	Total/NA	Water	8015B	627381
MB 570-627381/1-A	Method Blank	Total/NA	Water	8015B	627381
LCS 570-627381/2-A	Lab Control Sample	Total/NA	Water	8015B	627381
LCSD 570-627381/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	627381
MRL 570-627381/4-A	Lab Control Sample	Total/NA	Water	8015B	627381
380-171095-1 MS	SiteH-BWS2253-024	Total/NA	Water	8015B	627381
380-171095-1 MSD	SiteH-BWS2253-024	Total/NA	Water	8015B	627381

Analysis Batch: 630639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171095-1 - RA	SiteH-BWS2253-024	Total/NA	Water	8015B	627381
MRL 570-627381/4-A	Lab Control Sample	Total/NA	Water	8015B	627381

Lab Chronicle

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

Job ID: 380-171095-1
SDG: Site H

Client Sample ID: SiteH-BWS2253-024

Lab Sample ID: 380-171095-1

Date Collected: 09/11/25 10:30

Matrix: Water

Date Received: 09/12/25 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	628450	KHF2	EET CAL 4	09/20/25 19:12
Total/NA	Prep	625.1			625449	H1SH	EET CAL 4	09/15/25 04:33
Total/NA	Analysis	625.1		1	631724	J7WE	EET CAL 4	09/26/25 18:04
Total/NA	Prep	625.1			625449	H1SH	EET CAL 4	09/15/25 04:33
Total/NA	Analysis	625.1 SIM		1	626828	PQS1	EET CAL 4	09/17/25 22:26
Total/NA	Analysis	8015B GRO LL		1	626677	A9VE	EET CAL 4	09/17/25 13:12
Total/NA	Prep	3510C			627381	TVD6	EET CAL 4	09/18/25 10:20
Total/NA	Analysis	8015B		1	630215	NR	EET CAL 4	09/24/25 15:07
Total/NA	Prep	3510C	RA		627381	TVD6	EET CAL 4	09/18/25 10:20
Total/NA	Analysis	8015B	RA	1	630639	H6FE	EET CAL 4	09/25/25 00:21

Client Sample ID: SiteH-BWS2253-024-TB

Lab Sample ID: 380-171095-2

Date Collected: 09/11/25 10:30

Matrix: Water

Date Received: 09/12/25 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	628450	KHF2	EET CAL 4	09/20/25 18:49
Total/NA	Analysis	8015B GRO LL		1	626677	A9VE	EET CAL 4	09/17/25 12:32

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: 380-171095-1
SDG: Site H

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	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
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	10-11-25

Method Summary

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

Job ID: 380-171095-1
SDG: Site H

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: 380-171095-1
SDG: Site H

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-171095-1	SiteH-BWS2253-024	Water	09/11/25 10:30	09/12/25 07:47	Hawaii
380-171095-2	SiteH-BWS2253-024-TB	Water	09/11/25 10:30	09/12/25 07:47	Hawaii

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Client Information				Analysis Requested				Special Instructions/QC Requirements			
Client Contact: Mr. Erwin Kawata Phone: 858-205-0730 Email: Maria.Lopez@et.eurofinsus.com				Lab P/N: Lopez Maria E-Mail: Maria.Lopez@et.eurofinsus.com				Carrier Tracking No(s) State of Origin Hawaii			
Company: City & County of Honolulu Address: 630 South Beretania Street City: Honolulu State Zip: HI, 96843 Phone: 808-748-5066(Tel) Email: ekawata@hbws.org Project Name: HRS-340E - RED-HILL - INTERA Site: Site H				Due Date Requested TAT Requested (days) Compliance Project: ☐ Yes ☒ No PO #: C20525101 exp 05312023 WO #: Project #: 38000861 SSOW#:				Preservation Codes A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - Trizma Y - EDA Z - other (specify)			
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested I II III IV Other (specify)				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months				Special Instructions/QC Requirements			
Sample Identification Site H-BWS2253-024 Site H-BWS2253-024-TB Site H-BWS2253-024-FB				Date: 9/11/25 Time: 10:30 Matrix: (W=water, S=solid, O=waste/oli, BT=Tissue, A=air) Sample Type (C=comp, G=grab) Sample Time Preservation Code:				Total Number of Containers Subcontract Notes: 625 PAH - EEA Pom -> Ship to Calscience 8015 TPH D+M, JP5, JP8 - EEA Pom 8015 Gas - EEA Pom 82608 - EEA POM PFAS 537.1 & 533 - EEA POM PFAS 1633 - EEA SAC Bill and Report to EEA - Pomona			
Empty Kit Relinquished by:				Date: 9/11/25 Time: 13:00 Company: INTERA Inc				Date: 09/12/25 Time: 07:47 Company: EEA			
Relinquished by:				Date: 9/11/25 Time: 13:00 Company: INTERA Inc				Date: 09/12/25 Time: 07:47 Company: EEA			
Relinquished by:				Date: 9/11/25 Time: 13:00 Company: INTERA Inc				Date: 09/12/25 Time: 07:47 Company: EEA			
Relinquished by:				Date: 9/11/25 Time: 13:00 Company: INTERA Inc				Date: 09/12/25 Time: 07:47 Company: EEA			
Custody Seals Intact: ☒ Yes ☐ No				Custody Seal No.				Cooler Temperature(s) °C and Other Remarks:			

Environment Testing
America

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171095

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380-171095 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Eaton Analytical, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Eaton Analytical, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Eaton Analytical, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Eaton Analytical, LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify)

Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client*☐ Disposal By Lab

☐ Archive For

Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Date:

Time:

Method of Shipment:

Relinquished by: Michael Macklin

Date/Time: 9/12/25 1520

Company	FT AP
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Received by: Robert L.

Date/Time:	9.12.25 15:30	Company	V. J.
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Relinquished by: Bob. L. Lee

Date/Time: 8/13/05 11:13/

Company	2011
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Received by:

Date/Time:	Company
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Relinquished by: 1700-274 000

Date/Time: 7-2-25 16:26

Company /

Received by:

Date/Time:	Company
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Custody Seals Intact:

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

1.3 / 1.3 IR92

En Loc: 380
171095

[illegible]

380-171095 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Eaton Analytical, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Eaton Analytical, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Eaton Analytical, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Eaton Analytical, LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify)

Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ *Return To Client*☐ Disposal By Lab

☐ Archive For

Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Date:

Time:

Method of Shipment:

Relinquished by: Michael Macklin

Date/Time: 9/12/25 1520

Company FTAP

Received by: Robert L.

Date/Time:	9.12.25 15:30	Company	V. J.
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Relinquished by: Bob. L. Lee

Date/Time: 8/13/05 11:13/

Company	2011
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Received by:

Date/Time:	Company
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Relinquished by: 1700-274 000

Date/Time: 7-2-25 16:26

Company /

Received by:

Date/Time:	Company
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Custody Seals Intact:

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

1.3 / 1.3 ER92

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-171095-1

SDG Number: Site H

Login Number: 171095

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Eaton Analytical Pomona

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

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-171095-1

SDG Number: Site H

Login Number: 171095

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 09/12/25 06:20 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	1.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	