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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/10/2025 5:14:04 PM

JOB DESCRIPTION

INTERA - Red-Hill-Incident
Site J

JOB NUMBER

380-151903-1

Eurofins Eaton Analytical Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

myEOL

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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Authorized for release by
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Table of Contents

Definitions/Glossary

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

Job ID: 380-151903-1
SDG: Site J

Qualifiers

GC/MS VOA

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

GC/MS Semi 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.

GC Semi VOA

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

Glossary

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

Job Narrative
380-151903-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/22/2025 10:06 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 5.1°C.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-578195. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Method 8260B: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-578195 recovered outside control limits for the following analytes: Vinyl acetate. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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

GC/MS Semi VOA
Method 625.1: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-576139. 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 570-576139. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. 625 Sim
Method 625.1_SIM: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 570-576139 and analytical batch 570-576518 recovered outside control limits for the following analytes: Pyrene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-576069. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Method: 3510C_LL / 8015B_DRO_LL_CS
Method 8015B_DRO_LL_CS: The results of C8-C18 has a positive detection for the following sample : BWS2253-J1-AQ (380-151903-1). There was insufficient sample to perform a re-extraction; 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.

Detection Summary

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

Job ID: 380-151903-1
SDG: Site J

Client Sample ID: BWS2253-J1-AQ — Lab Sample ID: 380-151903-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C8-C18	26		25		ug/L	1		8015B	Total/NA

Client Sample ID: BWS2253-J1-TB — Lab Sample ID: 380-151903-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: BWS2253-J1-AQ

Date Collected: 05/21/25 12:30
Date Received: 05/22/25 10:06

Lab Sample ID: 380-151903-1

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.0		2.0		ug/L			06/02/25 12:42	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			06/02/25 12:42	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			06/02/25 12:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10		ug/L			06/02/25 12:42	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			06/02/25 12:42	1
1,1-Dichloroethane	<1.0		1.0		ug/L			06/02/25 12:42	1
1,1-Dichloroethene	<1.0		1.0		ug/L			06/02/25 12:42	1
1,1-Dichloropropene	<1.0		1.0		ug/L			06/02/25 12:42	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
1,2,3-Trichloropropane	<5.0		5.0		ug/L			06/02/25 12:42	1
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
1,2-Dibromo-3-Chloropropane	<10		10		ug/L			06/02/25 12:42	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/02/25 12:42	1
1,2-Dichloropropane	<1.0		1.0		ug/L			06/02/25 12:42	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
1,3-Dichloropropane	<1.0		1.0		ug/L			06/02/25 12:42	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
2,2-Dichloropropane	<1.0		1.0		ug/L			06/02/25 12:42	1
2-Butanone	<10		10		ug/L			06/02/25 12:42	1
2-Chlorotoluene	<1.0		1.0		ug/L			06/02/25 12:42	1
2-Hexanone	<10		10		ug/L			06/02/25 12:42	1
4-Chlorotoluene	<1.0		1.0		ug/L			06/02/25 12:42	1
Acetone	<10		10		ug/L			06/02/25 12:42	1
Benzene	<0.50		0.50		ug/L			06/02/25 12:42	1
Bromobenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
Bromochloromethane	<2.0		2.0		ug/L			06/02/25 12:42	1
Bromodichloromethane	<1.0		1.0		ug/L			06/02/25 12:42	1
Bromoform	<5.0		5.0		ug/L			06/02/25 12:42	1
Bromomethane	<10		10		ug/L			06/02/25 12:42	1
Carbon disulfide	<10		10		ug/L			06/02/25 12:42	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/02/25 12:42	1
Chlorobenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
Chloroethane	<5.0		5.0		ug/L			06/02/25 12:42	1
Chloroform	<1.0		1.0		ug/L			06/02/25 12:42	1
Chloromethane	<10		10		ug/L			06/02/25 12:42	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			06/02/25 12:42	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/02/25 12:42	1
Dibromochloromethane	<2.0		2.0		ug/L			06/02/25 12:42	1
Dibromomethane	<1.0		1.0		ug/L			06/02/25 12:42	1
Dichlorodifluoromethane	<5.0		5.0		ug/L			06/02/25 12:42	1
Diethyl ether	<10		10		ug/L			06/02/25 12:42	1
Di-isopropyl ether (DIPE)	<2.0		2.0		ug/L			06/02/25 12:42	1
Ethanol	<100		100		ug/L			06/02/25 12:42	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
Ethylene Dibromide	<1.0		1.0		ug/L			06/02/25 12:42	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0		ug/L			06/02/25 12:42	1

Client Sample ID: BWS2253-J1-AQ

Date Collected: 05/21/25 12:30
Date Received: 05/22/25 10:06

Lab Sample ID: 380-151903-1

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexachloro-1,3-butadiene	<10		10		ug/L			06/02/25 12:42	1
Hexane	<5.0		5.0		ug/L			06/02/25 12:42	1
Isobutyl alcohol	<75		75		ug/L			06/02/25 12:42	1
Isopropanol	<75		75		ug/L			06/02/25 12:42	1
Isopropylbenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
m,p-Xylene	<2.0		2.0		ug/L			06/02/25 12:42	1
Methylene Chloride	<10		10		ug/L			06/02/25 12:42	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0		ug/L			06/02/25 12:42	1
MIBK	<10		10		ug/L			06/02/25 12:42	1
Naphthalene	<10		10		ug/L			06/02/25 12:42	1
n-Butylbenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
N-Propylbenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
o-Xylene	<1.0		1.0		ug/L			06/02/25 12:42	1
p-Isopropyltoluene	<1.0		1.0		ug/L			06/02/25 12:42	1
sec-Butylbenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
Styrene	<1.0		1.0		ug/L			06/02/25 12:42	1
tert-Amyl alcohol	<50		50		ug/L			06/02/25 12:42	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0		ug/L			06/02/25 12:42	1
tert-Butyl alcohol (TBA)	<10		10		ug/L			06/02/25 12:42	1
tert-Butylbenzene	<1.0		1.0		ug/L			06/02/25 12:42	1
Tetrachloroethene	<1.0		1.0		ug/L			06/02/25 12:42	1
Toluene	<1.0		1.0		ug/L			06/02/25 12:42	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			06/02/25 12:42	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/02/25 12:42	1
Trichloroethene	<1.0		1.0		ug/L			06/02/25 12:42	1
Trichlorofluoromethane	<10		10		ug/L			06/02/25 12:42	1
Vinyl acetate	<10	*+	10		ug/L			06/02/25 12:42	1
Vinyl chloride	<0.50		0.50		ug/L			06/02/25 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*06/02/25 12:42*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/02/25 12:42*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/02/25 12:42*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/02/25 12:42*	*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		05/28/25 05:13	05/28/25 18:29	1
2-Methylnaphthalene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Acenaphthene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Acenaphthylene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Anthracene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Benzo[a]anthracene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Benzo[a]pyrene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Chrysene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Fluoranthene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1

Client Sample ID: BWS2253-J1-AQ

Date Collected: 05/21/25 12:30
Date Received: 05/22/25 10:06

Lab Sample ID: 380-151903-1

Matrix: Drinking Water

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		05/28/25 05:13	05/28/25 18:29	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Naphthalene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Phenanthrene	<0.19		0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1
Pyrene	<0.19	*+	0.19		ug/L		05/28/25 05:13	05/28/25 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*28 - 127*	*05/28/25 05:13*	*05/28/25 18:29*	*1*
2-Fluorobiphenyl (Surr)	*71*		*31 - 120*	*05/28/25 05:13*	*05/28/25 18:29*	*1*
2-Fluorophenol (Surr)	*45*		*17 - 120*	*05/28/25 05:13*	*05/28/25 18:29*	*1*
Nitrobenzene-d5 (Surr)	*72*		*27 - 120*	*05/28/25 05:13*	*05/28/25 18:29*	*1*
Phenol-d6 (Surr)	*29*		*10 - 120*	*05/28/25 05:13*	*05/28/25 18:29*	*1*
p-Terphenyl-d14 (Surr)	*90*		*45 - 120*	*05/28/25 05:13*	*05/28/25 18:29*	*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*
Cyclohexane, 1-methyl-2-propyl-	*11*	*T J N*	*ug/L*		*2.73*	*4291-79-6*	*05/28/25 05:13*	*06/09/25 12:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*33 - 139*	*05/28/25 05:13*	*06/09/25 12:21*	*1*
2-Fluorobiphenyl (Surr)	*69*		*33 - 126*	*05/28/25 05:13*	*06/09/25 12:21*	*1*
2-Fluorophenol (Surr)	*42*		*12 - 120*	*05/28/25 05:13*	*06/09/25 12:21*	*1*
Nitrobenzene-d5 (Surr)	*64*		*36 - 120*	*05/28/25 05:13*	*06/09/25 12:21*	*1*
Phenol-d6 (Surr)	*24*		*10 - 120*	*05/28/25 05:13*	*06/09/25 12:21*	*1*
p-Terphenyl-d14 (Surr)	*89*		*47 - 131*	*05/28/25 05:13*	*06/09/25 12:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			05/30/25 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*38 - 134*		*05/30/25 00:27*	*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		05/27/25 13:42	06/06/25 10:27	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		05/27/25 13:42	06/06/25 10:27	1
C8-C18	**26**		25		ug/L		05/27/25 13:42	06/06/25 10:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*122*		*60 - 130*	*05/27/25 13:42*	*06/06/25 10:27*	*1*

Client Sample ID: BWS2253-J1-TB

Date Collected: 05/21/25 12:30
Date Received: 05/22/25 10:06

Lab Sample ID: 380-151903-2

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.0		2.0		ug/L			06/02/25 09:30	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			06/02/25 09:30	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			06/02/25 09:30	1

Client Sample ID: BWS2253-J1-TB

Date Collected: 05/21/25 12:30
Date Received: 05/22/25 10:06

Lab Sample ID: 380-151903-2

Matrix: Drinking Water

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			06/02/25 09:30	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			06/02/25 09:30	1
1,1-Dichloroethane	<1.0		1.0		ug/L			06/02/25 09:30	1
1,1-Dichloroethene	<1.0		1.0		ug/L			06/02/25 09:30	1
1,1-Dichloropropene	<1.0		1.0		ug/L			06/02/25 09:30	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
1,2,3-Trichloropropane	<5.0		5.0		ug/L			06/02/25 09:30	1
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
1,2-Dibromo-3-Chloropropane	<10		10		ug/L			06/02/25 09:30	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/02/25 09:30	1
1,2-Dichloropropane	<1.0		1.0		ug/L			06/02/25 09:30	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
1,3-Dichloropropane	<1.0		1.0		ug/L			06/02/25 09:30	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
2,2-Dichloropropane	<1.0		1.0		ug/L			06/02/25 09:30	1
2-Butanone	<10		10		ug/L			06/02/25 09:30	1
2-Chlorotoluene	<1.0		1.0		ug/L			06/02/25 09:30	1
2-Hexanone	<10		10		ug/L			06/02/25 09:30	1
4-Chlorotoluene	<1.0		1.0		ug/L			06/02/25 09:30	1
Acetone	<10		10		ug/L			06/02/25 09:30	1
Benzene	<0.50		0.50		ug/L			06/02/25 09:30	1
Bromobenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
Bromochloromethane	<2.0		2.0		ug/L			06/02/25 09:30	1
Bromodichloromethane	<1.0		1.0		ug/L			06/02/25 09:30	1
Bromoform	<5.0		5.0		ug/L			06/02/25 09:30	1
Bromomethane	<10		10		ug/L			06/02/25 09:30	1
Carbon disulfide	<10		10		ug/L			06/02/25 09:30	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/02/25 09:30	1
Chlorobenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
Chloroethane	<5.0		5.0		ug/L			06/02/25 09:30	1
Chloroform	<1.0		1.0		ug/L			06/02/25 09:30	1
Chloromethane	<10		10		ug/L			06/02/25 09:30	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			06/02/25 09:30	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/02/25 09:30	1
Dibromochloromethane	<2.0		2.0		ug/L			06/02/25 09:30	1
Dibromomethane	<1.0		1.0		ug/L			06/02/25 09:30	1
Dichlorodifluoromethane	<5.0		5.0		ug/L			06/02/25 09:30	1
Diethyl ether	<10		10		ug/L			06/02/25 09:30	1
Di-isopropyl ether (DIPE)	<2.0		2.0		ug/L			06/02/25 09:30	1
Ethanol	<100		100		ug/L			06/02/25 09:30	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
Ethylene Dibromide	<1.0		1.0		ug/L			06/02/25 09:30	1
Ethyl-t-butyl ether (ETBE)	<2.0		2.0		ug/L			06/02/25 09:30	1
Hexachloro-1,3-butadiene	<10		10		ug/L			06/02/25 09:30	1
Hexane	<5.0		5.0		ug/L			06/02/25 09:30	1
Isobutyl alcohol	<75		75		ug/L			06/02/25 09:30	1

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

Job ID: 380-151903-1
SDG: Site J

Client Sample ID: BWS2253-J1-TB
Date Collected: 05/21/25 12:30
Date Received: 05/22/25 10:06

Lab Sample ID: 380-151903-2
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isopropanol	<75		75		ug/L			06/02/25 09:30	1
Isopropylbenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
m,p-Xylene	<2.0		2.0		ug/L			06/02/25 09:30	1
Methylene Chloride	<10		10		ug/L			06/02/25 09:30	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0		ug/L			06/02/25 09:30	1
MIBK	<10		10		ug/L			06/02/25 09:30	1
Naphthalene	<10		10		ug/L			06/02/25 09:30	1
n-Butylbenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
N-Propylbenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
o-Xylene	<1.0		1.0		ug/L			06/02/25 09:30	1
p-Isopropyltoluene	<1.0		1.0		ug/L			06/02/25 09:30	1
sec-Butylbenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
Styrene	<1.0		1.0		ug/L			06/02/25 09:30	1
tert-Amyl alcohol	<50		50		ug/L			06/02/25 09:30	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0		ug/L			06/02/25 09:30	1
tert-Butyl alcohol (TBA)	<10		10		ug/L			06/02/25 09:30	1
tert-Butylbenzene	<1.0		1.0		ug/L			06/02/25 09:30	1
Tetrachloroethene	<1.0		1.0		ug/L			06/02/25 09:30	1
Toluene	<1.0		1.0		ug/L			06/02/25 09:30	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			06/02/25 09:30	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/02/25 09:30	1
Trichloroethene	<1.0		1.0		ug/L			06/02/25 09:30	1
Trichlorofluoromethane	<10		10		ug/L			06/02/25 09:30	1
Vinyl acetate	<10	*+	10		ug/L			06/02/25 09:30	1
Vinyl chloride	<0.50		0.50		ug/L			06/02/25 09:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*06/02/25 09:30*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/02/25 09:30*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/02/25 09:30*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/02/25 09:30*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			05/29/25 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*38 - 134*		*05/29/25 22:48*	*1*

Action Limit Summary

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

Job ID: 380-151903-1
SDG: Site J

Client Sample ID: BWS2253-J1-AQ — Lab Sample ID: 380-151903-1

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
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
cis-1,2-Dichloroethene	<1.0		ug/L	70	70.00	1.0	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-J1-TB — Lab Sample ID: 380-151903-2

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
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
cis-1,2-Dichloroethene	<1.0		ug/L	70	70.00	1.0	8260B	Total/NA
Ethylbenzene	<1.0		ug/L	700	700.0	1.0	8260B	Total/NA

Action Limit Summary

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

Job ID: 380-151903-1
SDG: Site J

Client Sample ID: BWS2253-J1-TB (Continued)

Lab Sample ID: 380-151903-2

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
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: 380-151903-1
SDG: Site J

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

Matrix: Drinking Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
380-151903-1	BWS2253-J1-AQ	94	95	99	100
380-151903-2	BWS2253-J1-TB	95	96	102	102

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
LCS 570-578195/1003	Lab Control Sample	95	94	98	100
LCSD 570-578195/4	Lab Control Sample Dup	97	95	100	102
MB 570-578195/7	Method Blank	95	96	102	102

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: Drinking Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
380-151903-1	BWS2253-J1-AQ	63	69	42	64	24	89

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 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
MB 570-576139/1-A	Method Blank	69	87	58	87	34	86

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: Drinking Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(28-127)	(31-120)	(17-120)	(27-120)	(10-120)	(45-120)
380-151903-1	BWS2253-J1-AQ	83	71	45	72	29	90

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(28-127)	(31-120)	(17-120)	(27-120)	(10-120)	(45-120)
LCS 570-576139/2-A	Lab Control Sample	90	82	61	73	39	90
LCSD 570-576139/3-A	Lab Control Sample Dup	97	91	64	77	42	97
MB 570-576139/1-A	Method Blank	96	88	59	92	38	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)

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

Matrix: Drinking Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-151903-1	BWS2253-J1-AQ	80
380-151903-2	BWS2253-J1-TB	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-151627-B-1 MS	Matrix Spike	86
380-151627-B-1 MSD	Matrix Spike Duplicate	86
LCS 570-576992/4	Lab Control Sample	87

Surrogate Summary

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

Job ID: 380-151903-1
SDG: Site J

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (38-134)
LCSD 570-576992/5	Lab Control Sample Dup	88
MB 570-576992/6	Method Blank	80
MRL 570-576992/3	Lab Control Sample	83

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Drinking Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-151903-1	BWS2253-J1-AQ	122

Surrogate Legend

OTCSN = n-Octacosane (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)
LCS 570-576069/2-A	Lab Control Sample	83
LCSD 570-576069/3-A	Lab Control Sample Dup	80
MB 570-576069/1-A	Method Blank	77
MRL 570-576069/4-A	Lab Control Sample	94

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 570-578195/7
Matrix: Water
Analysis Batch: 578195

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.0		2.0		ug/L			06/02/25 08:47	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			06/02/25 08:47	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			06/02/25 08:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<10		10		ug/L			06/02/25 08:47	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			06/02/25 08:47	1
1,1-Dichloroethane	<1.0		1.0		ug/L			06/02/25 08:47	1
1,1-Dichloroethene	<1.0		1.0		ug/L			06/02/25 08:47	1
1,1-Dichloropropene	<1.0		1.0		ug/L			06/02/25 08:47	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
1,2,3-Trichloropropane	<5.0		5.0		ug/L			06/02/25 08:47	1
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
1,2-Dibromo-3-Chloropropane	<10		10		ug/L			06/02/25 08:47	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
1,2-Dichloroethane	<0.50		0.50		ug/L			06/02/25 08:47	1
1,2-Dichloropropane	<1.0		1.0		ug/L			06/02/25 08:47	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
1,3-Dichloropropane	<1.0		1.0		ug/L			06/02/25 08:47	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
2,2-Dichloropropane	<1.0		1.0		ug/L			06/02/25 08:47	1
2-Butanone	<10		10		ug/L			06/02/25 08:47	1
2-Chlorotoluene	<1.0		1.0		ug/L			06/02/25 08:47	1
2-Hexanone	<10		10		ug/L			06/02/25 08:47	1
4-Chlorotoluene	<1.0		1.0		ug/L			06/02/25 08:47	1
Acetone	<10		10		ug/L			06/02/25 08:47	1
Benzene	<0.50		0.50		ug/L			06/02/25 08:47	1
Bromobenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
Bromochloromethane	<2.0		2.0		ug/L			06/02/25 08:47	1
Bromodichloromethane	<1.0		1.0		ug/L			06/02/25 08:47	1
Bromoform	<5.0		5.0		ug/L			06/02/25 08:47	1
Bromomethane	<10		10		ug/L			06/02/25 08:47	1
Carbon disulfide	<10		10		ug/L			06/02/25 08:47	1
Carbon tetrachloride	<0.50		0.50		ug/L			06/02/25 08:47	1
Chlorobenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
Chloroethane	<5.0		5.0		ug/L			06/02/25 08:47	1
Chloroform	<1.0		1.0		ug/L			06/02/25 08:47	1
Chloromethane	<10		10		ug/L			06/02/25 08:47	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			06/02/25 08:47	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			06/02/25 08:47	1
Dibromochloromethane	<2.0		2.0		ug/L			06/02/25 08:47	1
Dibromomethane	<1.0		1.0		ug/L			06/02/25 08:47	1
Dichlorodifluoromethane	<5.0		5.0		ug/L			06/02/25 08:47	1
Diethyl ether	<10		10		ug/L			06/02/25 08:47	1
Di-isopropyl ether (DIPE)	<2.0		2.0		ug/L			06/02/25 08:47	1
Ethanol	<100		100		ug/L			06/02/25 08:47	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
Ethylene Dibromide	<1.0		1.0		ug/L			06/02/25 08:47	1

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

Lab Sample ID: MB 570-578195/7
Matrix: Water
Analysis Batch: 578195

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	<2.0		2.0		ug/L			06/02/25 08:47	1
Hexachloro-1,3-butadiene	<10		10		ug/L			06/02/25 08:47	1
Hexane	<5.0		5.0		ug/L			06/02/25 08:47	1
Isobutyl alcohol	<75		75		ug/L			06/02/25 08:47	1
Isopropanol	<75		75		ug/L			06/02/25 08:47	1
Isopropylbenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
m,p-Xylene	<2.0		2.0		ug/L			06/02/25 08:47	1
Methylene Chloride	<10		10		ug/L			06/02/25 08:47	1
Methyl-t-Butyl Ether (MTBE)	<1.0		1.0		ug/L			06/02/25 08:47	1
MIBK	<10		10		ug/L			06/02/25 08:47	1
Naphthalene	<10		10		ug/L			06/02/25 08:47	1
n-Butylbenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
N-Propylbenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
o-Xylene	<1.0		1.0		ug/L			06/02/25 08:47	1
p-Isopropyltoluene	<1.0		1.0		ug/L			06/02/25 08:47	1
sec-Butylbenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
Styrene	<1.0		1.0		ug/L			06/02/25 08:47	1
tert-Amyl alcohol	<50		50		ug/L			06/02/25 08:47	1
Tert-amyl-methyl ether (TAME)	<2.0		2.0		ug/L			06/02/25 08:47	1
tert-Butyl alcohol (TBA)	<10		10		ug/L			06/02/25 08:47	1
tert-Butylbenzene	<1.0		1.0		ug/L			06/02/25 08:47	1
Tetrachloroethene	<1.0		1.0		ug/L			06/02/25 08:47	1
Toluene	<1.0		1.0		ug/L			06/02/25 08:47	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			06/02/25 08:47	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			06/02/25 08:47	1
Trichloroethene	<1.0		1.0		ug/L			06/02/25 08:47	1
Trichlorofluoromethane	<10		10		ug/L			06/02/25 08:47	1
Vinyl acetate	<10		10		ug/L			06/02/25 08:47	1
Vinyl chloride	<0.50		0.50		ug/L			06/02/25 08:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*06/02/25 08:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/02/25 08:47*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/02/25 08:47*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/02/25 08:47*	*1*

Lab Sample ID: LCS 570-578195/1003
Matrix: Water
Analysis Batch: 578195

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	19.2		ug/L		96	83 - 120		
1,1,1-Trichloroethane			20.0	17.6		ug/L		88	78 - 123		
1,1,2,2-Tetrachloroethane			20.0	21.0		ug/L		105	74 - 125		
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	17.3		ug/L		86	72 - 130		
1,1,2-Trichloroethane			20.0	20.2		ug/L		101	82 - 120		
1,1-Dichloroethane			20.0	17.5		ug/L		87	79 - 122		
1,1-Dichloroethene			20.0	16.9		ug/L		84	74 - 127		

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

Lab Sample ID: LCS 570-578195/1003
Matrix: Water
Analysis Batch: 578195

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	18.5		ug/L		92	75 - 124
1,2,3-Trichlorobenzene	20.0	19.3		ug/L		97	71 - 126
1,2,3-Trichloropropane	20.0	20.0		ug/L		100	73 - 121
1,2,4-Trichlorobenzene	20.0	19.2		ug/L		96	70 - 130
1,2,4-Trimethylbenzene	20.0	19.9		ug/L		100	80 - 125
1,2-Dibromo-3-Chloropropane	20.0	18.4		ug/L		92	64 - 127
1,2-Dichlorobenzene	20.0	20.7		ug/L		103	78 - 122
1,2-Dichloroethane	20.0	18.1		ug/L		90	76 - 123
1,2-Dichloropropane	20.0	17.8		ug/L		89	82 - 120
1,3,5-Trimethylbenzene	20.0	19.9		ug/L		100	79 - 124
1,3-Dichlorobenzene	20.0	20.5		ug/L		103	81 - 120
1,3-Dichloropropane	20.0	19.6		ug/L		98	82 - 120
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	78 - 121
2,2-Dichloropropane	20.0	17.2		ug/L		86	69 - 133
2-Butanone	20.0	18.5		ug/L		92	55 - 142
2-Chlorotoluene	20.0	19.9		ug/L		99	80 - 120
2-Hexanone	20.0	18.6		ug/L		93	54 - 138
4-Chlorotoluene	20.0	19.6		ug/L		98	80 - 121
Acetone	20.0	19.5		ug/L		97	50 - 157
Benzene	20.0	18.5		ug/L		92	80 - 120
Bromobenzene	20.0	20.4		ug/L		102	80 - 120
Bromochloromethane	20.0	19.6		ug/L		98	83 - 123
Bromodichloromethane	20.0	18.5		ug/L		93	83 - 120
Bromoform	20.0	18.5		ug/L		93	75 - 128
Bromomethane	20.0	17.9		ug/L		90	31 - 120
Carbon disulfide	20.0	16.9		ug/L		85	71 - 128
Carbon tetrachloride	20.0	16.8		ug/L		84	72 - 135
Chlorobenzene	20.0	19.6		ug/L		98	84 - 120
Chloroethane	20.0	19.7		ug/L		99	72 - 129
Chloroform	20.0	18.2		ug/L		91	79 - 120
Chloromethane	20.0	17.3		ug/L		86	36 - 148
cis-1,2-Dichloroethene	20.0	18.0		ug/L		90	81 - 120
cis-1,3-Dichloropropene	20.0	18.3		ug/L		91	76 - 125
Dibromochloromethane	20.0	19.0		ug/L		95	82 - 120
Dibromomethane	20.0	18.8		ug/L		94	85 - 120
Dichlorodifluoromethane	20.0	18.9		ug/L		94	52 - 147
Diethyl ether	20.0	17.8		ug/L		89	71 - 127
Di-isopropyl ether (DIPE)	20.0	17.5		ug/L		88	70 - 132
Ethanol	200	159		ug/L		79	48 - 163
Ethylbenzene	20.0	19.9		ug/L		99	81 - 120
Ethylene Dibromide	20.0	18.7		ug/L		94	81 - 120
Ethyl-t-butyl ether (ETBE)	20.0	18.0		ug/L		90	68 - 126
Isopropylbenzene	20.0	20.1		ug/L		100	80 - 122
m,p-Xylene	40.0	39.2		ug/L		98	79 - 122
Methylene Chloride	20.0	17.5		ug/L		87	76 - 120
Methyl-t-Butyl Ether (MTBE)	20.0	19.2		ug/L		96	70 - 124
MIBK	20.0	17.5		ug/L		87	57 - 133
Naphthalene	20.0	19.3		ug/L		96	64 - 124
n-Butylbenzene	20.0	19.7		ug/L		99	78 - 127

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

Lab Sample ID: LCS 570-578195/1003
Matrix: Water
Analysis Batch: 578195

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	19.7		ug/L		98	81 - 120
p-Isopropyltoluene	20.0	20.2		ug/L		101	81 - 124
sec-Butylbenzene	20.0	20.1		ug/L		100	80 - 123
Styrene	20.0	20.3		ug/L		102	82 - 120
tert-Amyl alcohol	100	96.0		ug/L		96	30 - 157
Tert-amyl-methyl ether (TAME)	20.0	19.1		ug/L		96	71 - 121
tert-Butyl alcohol (TBA)	100	92.0		ug/L		92	68 - 128
tert-Butylbenzene	20.0	20.0		ug/L		100	80 - 124
Tetrachloroethene	20.0	19.5		ug/L		97	78 - 126
Toluene	20.0	18.6		ug/L		93	82 - 120
trans-1,2-Dichloroethene	20.0	17.6		ug/L		88	79 - 122
trans-1,3-Dichloropropene	20.0	17.9		ug/L		90	73 - 127
Trichloroethene	20.0	18.2		ug/L		91	83 - 120
Trichlorofluoromethane	20.0	19.6		ug/L		98	74 - 135
Vinyl acetate	20.0	28.9	*+	ug/L		144	56 - 135
Vinyl chloride	20.0	18.3		ug/L		92	68 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-578195/4
Matrix: Water
Analysis Batch: 578195

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	18.3		ug/L		92	83 - 120	4	20
1,1,1-Trichloroethane	20.0	17.4		ug/L		87	78 - 123	1	20
1,1,2,2-Tetrachloroethane	20.0	18.6		ug/L		93	74 - 125	12	20
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.0		ug/L		85	72 - 130	2	20
1,1,2-Trichloroethane	20.0	19.2		ug/L		96	82 - 120	5	20
1,1-Dichloroethane	20.0	17.3		ug/L		86	79 - 122	1	20
1,1-Dichloroethene	20.0	16.3		ug/L		82	74 - 127	3	20
1,1-Dichloropropene	20.0	18.2		ug/L		91	75 - 124	2	20
1,2,3-Trichlorobenzene	20.0	17.7		ug/L		89	71 - 126	9	20
1,2,3-Trichloropropane	20.0	19.0		ug/L		95	73 - 121	5	20
1,2,4-Trichlorobenzene	20.0	17.8		ug/L		89	70 - 130	8	20
1,2,4-Trimethylbenzene	20.0	17.8		ug/L		89	80 - 125	12	20
1,2-Dibromo-3-Chloropropane	20.0	17.5		ug/L		87	64 - 127	5	20
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	78 - 122	9	20
1,2-Dichloroethane	20.0	17.8		ug/L		89	76 - 123	1	20
1,2-Dichloropropane	20.0	18.3		ug/L		91	82 - 120	2	20
1,3,5-Trimethylbenzene	20.0	18.9		ug/L		94	79 - 124	5	20
1,3-Dichlorobenzene	20.0	18.4		ug/L		92	81 - 120	11	20
1,3-Dichloropropane	20.0	18.9		ug/L		94	82 - 120	4	20

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

Lab Sample ID: LCSD 570-578195/4
Matrix: Water
Analysis Batch: 578195

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	18.3		ug/L		92	78 - 121	11	20
2,2-Dichloropropane			20.0	16.7		ug/L		83	69 - 133	3	20
2-Butanone			20.0	19.9		ug/L		99	55 - 142	7	21
2-Chlorotoluene			20.0	17.7		ug/L		89	80 - 120	11	20
2-Hexanone			20.0	18.8		ug/L		94	54 - 138	1	21
4-Chlorotoluene			20.0	17.4		ug/L		87	80 - 121	12	20
Acetone			20.0	20.1		ug/L		101	50 - 157	3	26
Benzene			20.0	18.5		ug/L		92	80 - 120	0	20
Bromobenzene			20.0	19.1		ug/L		96	80 - 120	6	20
Bromochloromethane			20.0	19.7		ug/L		98	83 - 123	0	20
Bromodichloromethane			20.0	18.3		ug/L		91	83 - 120	1	20
Bromoform			20.0	16.6		ug/L		83	75 - 128	11	20
Bromomethane			20.0	18.7		ug/L		94	31 - 120	4	22
Carbon disulfide			20.0	16.6		ug/L		83	71 - 128	2	20
Carbon tetrachloride			20.0	16.3		ug/L		82	72 - 135	3	20
Chlorobenzene			20.0	18.6		ug/L		93	84 - 120	5	20
Chloroethane			20.0	19.0		ug/L		95	72 - 129	4	20
Chloroform			20.0	18.0		ug/L		90	79 - 120	2	20
Chloromethane			20.0	17.1		ug/L		85	36 - 148	1	20
cis-1,2-Dichloroethene			20.0	17.9		ug/L		89	81 - 120	1	20
cis-1,3-Dichloropropene			20.0	18.2		ug/L		91	76 - 125	0	20
Dibromochloromethane			20.0	18.3		ug/L		92	82 - 120	4	20
Dibromomethane			20.0	18.8		ug/L		94	85 - 120	0	20
Dichlorodifluoromethane			20.0	18.4		ug/L		92	52 - 147	2	20
Diethyl ether			20.0	17.5		ug/L		87	71 - 127	2	20
Di-isopropyl ether (DIPE)			20.0	17.4		ug/L		87	70 - 132	1	20
Ethanol			200	163		ug/L		81	48 - 163	2	30
Ethylbenzene			20.0	18.7		ug/L		93	81 - 120	6	20
Ethylene Dibromide			20.0	17.9		ug/L		90	81 - 120	4	20
Ethyl-t-butyl ether (ETBE)			20.0	18.0		ug/L		90	68 - 126	0	20
Isopropylbenzene			20.0	18.9		ug/L		95	80 - 122	6	20
m,p-Xylene			40.0	37.0		ug/L		92	79 - 122	6	20
Methylene Chloride			20.0	17.5		ug/L		88	76 - 120	0	20
Methyl-t-Butyl Ether (MTBE)			20.0	19.3		ug/L		96	70 - 124	0	20
MIBK			20.0	18.3		ug/L		92	57 - 133	5	20
Naphthalene			20.0	17.7		ug/L		88	64 - 124	9	20
n-Butylbenzene			20.0	17.8		ug/L		89	78 - 127	10	20
N-Propylbenzene			20.0	18.6		ug/L		93	80 - 121	9	20
o-Xylene			20.0	18.4		ug/L		92	81 - 120	7	20
p-Isopropyltoluene			20.0	18.2		ug/L		91	81 - 124	11	20
sec-Butylbenzene			20.0	18.0		ug/L		90	80 - 123	11	20
Styrene			20.0	19.4		ug/L		97	82 - 120	5	20
tert-Amyl alcohol			100	99.6		ug/L		100	30 - 157	4	30
Tert-amyl-methyl ether (TAME)			20.0	19.2		ug/L		96	71 - 121	0	20
tert-Butyl alcohol (TBA)			100	87.2		ug/L		87	68 - 128	5	20
tert-Butylbenzene			20.0	17.8		ug/L		89	80 - 124	11	20
Tetrachloroethene			20.0	18.5		ug/L		93	78 - 126	5	20
Toluene			20.0	18.4		ug/L		92	82 - 120	1	20
trans-1,2-Dichloroethene			20.0	17.4		ug/L		87	79 - 122	2	20

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

Lab Sample ID: LCSD 570-578195/4
Matrix: Water
Analysis Batch: 578195

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	17.1		ug/L		86	73 - 127	5	20
Trichloroethene			20.0	17.8		ug/L		89	83 - 120	2	20
Trichlorofluoromethane			20.0	19.0		ug/L		95	74 - 135	3	20
Vinyl acetate			20.0	29.7	*+	ug/L		149	56 - 135	3	24
Vinyl chloride			20.0	18.0		ug/L		90	68 - 131	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: MB 570-576139/1-A
Matrix: Water
Analysis Batch: 581380

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576139

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*	*05/27/25 15:39*	*06/09/25 11:32*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*33 - 139*	*05/27/25 15:39*	*06/09/25 11:32*	*1*
2-Fluorobiphenyl (Surr)	*87*		*33 - 126*	*05/27/25 15:39*	*06/09/25 11:32*	*1*
2-Fluorophenol (Surr)	*58*		*12 - 120*	*05/27/25 15:39*	*06/09/25 11:32*	*1*
Nitrobenzene-d5 (Surr)	*87*		*36 - 120*	*05/27/25 15:39*	*06/09/25 11:32*	*1*
Phenol-d6 (Surr)	*34*		*10 - 120*	*05/27/25 15:39*	*06/09/25 11:32*	*1*
p-Terphenyl-d14 (Surr)	*86*		*47 - 131*	*05/27/25 15:39*	*06/09/25 11:32*	*1*

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

Lab Sample ID: MB 570-576139/1-A
Matrix: Water
Analysis Batch: 576518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576139

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
2-Methylnaphthalene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Acenaphthene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Acenaphthylene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Anthracene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Benzo[a]anthracene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Benzo[a]pyrene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Chrysene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1

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

Lab Sample ID: MB 570-576139/1-A
Matrix: Water
Analysis Batch: 576518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576139

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Fluorene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Naphthalene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Phenanthrene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1
Pyrene	<0.20		0.20		ug/L		05/27/25 15:39	05/28/25 16:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*28 - 127*	*05/27/25 15:39*	*05/28/25 16:15*	*1*
2-Fluorobiphenyl (Surr)	*88*		*31 - 120*	*05/27/25 15:39*	*05/28/25 16:15*	*1*
2-Fluorophenol (Surr)	*59*		*17 - 120*	*05/27/25 15:39*	*05/28/25 16:15*	*1*
Nitrobenzene-d5 (Surr)	*92*		*27 - 120*	*05/27/25 15:39*	*05/28/25 16:15*	*1*
Phenol-d6 (Surr)	*38*		*10 - 120*	*05/27/25 15:39*	*05/28/25 16:15*	*1*
p-Terphenyl-d14 (Surr)	*88*		*45 - 120*	*05/27/25 15:39*	*05/28/25 16:15*	*1*

Lab Sample ID: LCS 570-576139/2-A
Matrix: Water
Analysis Batch: 576518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576139

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	17.6		ug/L		88	47 - 120		
2-Methylnaphthalene			20.0	19.0		ug/L		95	43 - 120		
Acenaphthene			20.0	20.3		ug/L		102	60 - 132		
Acenaphthylene			20.0	18.8		ug/L		94	54 - 126		
Anthracene			20.0	20.2		ug/L		101	43 - 120		
Benzo[a]anthracene			20.0	21.4		ug/L		107	42 - 133		
Benzo[a]pyrene			20.0	22.4		ug/L		112	32 - 148		
Benzo[b]fluoranthene			20.0	23.0		ug/L		115	42 - 140		
Benzo[g,h,i]perylene			20.0	22.4		ug/L		112	1 - 195		
Benzo[k]fluoranthene			20.0	21.7		ug/L		109	25 - 146		
Chrysene			20.0	20.2		ug/L		101	44 - 140		
Dibenz(a,h)anthracene			20.0	23.0		ug/L		115	1 - 200		
Fluoranthene			20.0	20.6		ug/L		103	43 - 121		
Fluorene			20.0	19.9		ug/L		99	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	23.3		ug/L		117	1 - 151		
Naphthalene			20.0	17.1		ug/L		86	36 - 120		
Phenanthrene			20.0	19.6		ug/L		98	65 - 120		
Pyrene			20.0	21.2		ug/L		106	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*28 - 127*
2-Fluorobiphenyl (Surr)	*82*		*31 - 120*
2-Fluorophenol (Surr)	*61*		*17 - 120*
Nitrobenzene-d5 (Surr)	*73*		*27 - 120*
Phenol-d6 (Surr)	*39*		*10 - 120*
p-Terphenyl-d14 (Surr)	*90*		*45 - 120*

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

Lab Sample ID: LCSD 570-576139/3-A
Matrix: Water
Analysis Batch: 576518

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 576139

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	18.7		ug/L		94	47 - 120	6	20
2-Methylnaphthalene			20.0	20.8		ug/L		104	43 - 120	9	20
Acenaphthene			20.0	21.9		ug/L		110	60 - 132	7	29
Acenaphthylene			20.0	19.8		ug/L		99	54 - 126	5	45
Anthracene			20.0	22.2		ug/L		111	43 - 120	9	40
Benzo[a]anthracene			20.0	23.6		ug/L		118	42 - 133	10	32
Benzo[a]pyrene			20.0	24.5		ug/L		122	32 - 148	9	43
Benzo[b]fluoranthene			20.0	25.0		ug/L		125	42 - 140	9	43
Benzo[g,h,i]perylene			20.0	24.6		ug/L		123	1 - 195	10	61
Benzo[k]fluoranthene			20.0	23.2		ug/L		116	25 - 146	7	38
Chrysene			20.0	22.3		ug/L		111	44 - 140	9	53
Dibenz(a,h)anthracene			20.0	24.8		ug/L		124	1 - 200	8	75
Fluoranthene			20.0	21.5		ug/L		108	43 - 121	4	40
Fluorene			20.0	20.8		ug/L		104	70 - 120	4	23
Indeno[1,2,3-cd]pyrene			20.0	25.6		ug/L		128	1 - 151	9	60
Naphthalene			20.0	18.7		ug/L		93	36 - 120	9	39
Phenanthrene			20.0	21.2		ug/L		106	65 - 120	8	24
Pyrene			20.0	24.3	*+	ug/L		122	70 - 120	14	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*28 - 127*
2-Fluorobiphenyl (Surr)	*91*		*31 - 120*
2-Fluorophenol (Surr)	*64*		*17 - 120*
Nitrobenzene-d5 (Surr)	*77*		*27 - 120*
Phenol-d6 (Surr)	*42*		*10 - 120*
p-Terphenyl-d14 (Surr)	*97*		*45 - 120*

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

Lab Sample ID: MB 570-576992/6
Matrix: Water
Analysis Batch: 576992

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			05/29/25 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*38 - 134*		*05/29/25 12:24*	*1*

Lab Sample ID: LCS 570-576992/4
Matrix: Water
Analysis Batch: 576992

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	346		ug/L		87	78 - 120		

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

Lab Sample ID: LCS 570-576992/4
Matrix: Water
Analysis Batch: 576992

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*

Lab Sample ID: LCSD 570-576992/5
Matrix: Water
Analysis Batch: 576992

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	355		ug/L		89	78 - 120	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*38 - 134*

Lab Sample ID: MRL 570-576992/3
Matrix: Water
Analysis Batch: 576992

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	10.6		ug/L		106	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*38 - 134*

Lab Sample ID: 380-151627-B-1 MS
Matrix: Water
Analysis Batch: 576992

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	351		ug/L		88	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*38 - 134*

Lab Sample ID: 380-151627-B-1 MSD
Matrix: Water
Analysis Batch: 576992

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	347		ug/L		87	68 - 122	1	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*38 - 134*

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

Lab Sample ID: MB 570-576069/1-A
Matrix: Water
Analysis Batch: 578119

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576069

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		05/27/25 13:42	06/01/25 11:56	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		05/27/25 13:42	06/01/25 11:56	1
C8-C18	<25		25		ug/L		05/27/25 13:42	06/01/25 11:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*77*		*60 - 130*	*05/27/25 13:42*	*06/01/25 11:56*	*1*

Lab Sample ID: LCS 570-576069/2-A
Matrix: Water
Analysis Batch: 578119

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576069

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1660		ug/L		104	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*83*		*60 - 130*

Lab Sample ID: LCSD 570-576069/3-A
Matrix: Water
Analysis Batch: 578119

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 576069

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1580		ug/L		98	56 - 127	5	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*80*		*60 - 130*

Lab Sample ID: MRL 570-576069/4-A
Matrix: Water
Analysis Batch: 580279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576069

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0216	J	mg/L		108	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*94*		*60 - 130*

GC/MS VOA

Analysis Batch: 578195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-151903-1	BWS2253-J1-AQ	Total/NA	Drinking Water	8260B	
380-151903-2	BWS2253-J1-TB	Total/NA	Drinking Water	8260B	
MB 570-578195/7	Method Blank	Total/NA	Water	8260B	
LCS 570-578195/1003	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-578195/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 576139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-151903-1	BWS2253-J1-AQ	Total/NA	Drinking Water	625.1	
MB 570-576139/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-576139/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-576139/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 576518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-151903-1	BWS2253-J1-AQ	Total/NA	Drinking Water	625.1 SIM	576139
MB 570-576139/1-A	Method Blank	Total/NA	Water	625.1 SIM	576139
LCS 570-576139/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	576139
LCSD 570-576139/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	576139

Analysis Batch: 581380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-151903-1	BWS2253-J1-AQ	Total/NA	Drinking Water	625.1	576139
MB 570-576139/1-A	Method Blank	Total/NA	Water	625.1	576139

GC VOA

Analysis Batch: 576992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-151903-1	BWS2253-J1-AQ	Total/NA	Drinking Water	8015B GRO LL	
380-151903-2	BWS2253-J1-TB	Total/NA	Drinking Water	8015B GRO LL	
MB 570-576992/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-576992/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-576992/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-576992/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-151627-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-151627-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 576069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-151903-1	BWS2253-J1-AQ	Total/NA	Drinking Water	3510C	
MB 570-576069/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-576069/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-576069/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-576069/4-A	Lab Control Sample	Total/NA	Water	3510C	

QC Association Summary

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

Job ID: 380-151903-1
SDG: Site J

GC Semi VOA

Analysis Batch: 578119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-576069/1-A	Method Blank	Total/NA	Water	8015B	576069
LCS 570-576069/2-A	Lab Control Sample	Total/NA	Water	8015B	576069
LCSD 570-576069/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	576069

Analysis Batch: 580279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-151903-1	BWS2253-J1-AQ	Total/NA	Drinking Water	8015B	576069
MRL 570-576069/4-A	Lab Control Sample	Total/NA	Water	8015B	576069

Lab Chronicle

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

Job ID: 380-151903-1
SDG: Site J

Client Sample ID: BWS2253-J1-AQ

Date Collected: 05/21/25 12:30
Date Received: 05/22/25 10:06

Lab Sample ID: 380-151903-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	578195	U1MC	EET CAL 4	06/02/25 12:42
Total/NA	Prep	625.1			576139	OAJ3	EET CAL 4	05/28/25 05:13
Total/NA	Analysis	625.1		1	581380	CG	EET CAL 4	06/09/25 12:21
Total/NA	Prep	625.1			576139	OAJ3	EET CAL 4	05/28/25 05:13
Total/NA	Analysis	625.1 SIM		1	576518	J7WE	EET CAL 4	05/28/25 18:29
Total/NA	Analysis	8015B GRO LL		1	576992	A9VE	EET CAL 4	05/30/25 00:27
Total/NA	Prep	3510C			576069	TVD6	EET CAL 4	05/27/25 13:42
Total/NA	Analysis	8015B		1	580279	H6FE	EET CAL 4	06/06/25 10:27

Client Sample ID: BWS2253-J1-TB

Date Collected: 05/21/25 12:30
Date Received: 05/22/25 10:06

Lab Sample ID: 380-151903-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	578195	U1MC	EET CAL 4	06/02/25 09:30
Total/NA	Analysis	8015B GRO LL		1	576992	A9VE	EET CAL 4	05/29/25 22:48

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: 380-151903-1
SDG: Site J

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
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
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: 380-151903-1
SDG: Site J

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: 380-151903-1
SDG: Site J

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-151903-1	BWS2253-J1-AQ	Drinking Water	05/21/25 12:30	05/22/25 10:06
380-151903-2	BWS2253-J1-TB	Drinking Water	05/21/25 12:30	05/22/25 10:06

Eurofins Pomona, CA
941 Corporate Center Drive
Pomona CA 91768

Chain of Custody Record

eurofins | Env Am

380-151903 COC

Client Information	Sampler: N Mattner/J Joseph/E Kakone	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No:
Client Contact: Mr Erwin Kawata	Phone: 858-205-0730	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street	Due Date Requested			
City: Honolulu	TAT Requested (days): Standard			
State, Zip: HI 96843	Compliance Project: Δ Yes Δ No			
Phone: 808-748-5066(Tel)	PO #: C20525101 exp 05312023			
Email: ekawata@hbws org	WO #:			
Project Name: HRS-340E - RED-HILL - INTERA	Project #: 38000861			
Site: Site J	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT 625 - PAH Only + TICs	SUBCONTRACT - TPH 8015 D+M, JP5, JP8	8260B (MOD) Super Volatiles List	SUBCONTRACT - 8015 Gas	~~PFAS 533 - All Analytes~~	~~PFAS 537.1_BW_PREC 537.1 Full List~~	~~PFAS 1633_DOD5_1633 Std List~~	Total Number of containers
			Preservation Code:				N	Q	A	A	Z	Y	N	
BWS2253-J1-AQ	5/21/25	12:30	G	Water			2	3	4	4	3	3	2	21
BWS2253-J1-TB	↓	12:30	G	Water					2	2				4
~~BWS2253-J1-FB~~			G	Water							1	1		2
														0
														4
														8

Special Instructions/Note
x = testing comes from another container.

Subcontract Notes:
- 625 PAH - EEA Pom -> Ship to Calscience
- 8015 TPH D+M, JP5, JP8 - EEA Pom
- 8015 Gas - EEA Pom
  8260B - EEA POM
- PFAS 537.1 & 533 - EEA POM
- PFAS 1633 - EEA SAC
- Bill and Report to EEA - Pomona

Possible Hazard Identification
☐ X Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ X Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date	Time:	Method of Shipment: FEDEX Priority Overnight 2889 2464 7412

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Eva Kala	5/21/25 ; 1330	INTERA Inc		05/22/25 10:06	EEA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 751A 5.1°-0.0°=5.1° REAL-PARTIALLY

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Loc: 380

151903

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-216276.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Hawaii		Job #: 380-151903-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 6/5/2025	Analysis Requested		Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: INTERA - Red-Hill-Incident	Project #: 38000861			Other: N/A
Site: Honolulu BWS Sites	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS/3510C_LL HNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C (MOD) GRO	625.1_SIM/625_Prep (MOD) Extended PAH List	625.1/625_Prep (MOD) Tentatively Identified Compounds (Hold)	8260B/5030C (MOD) Super Volatiles List	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BWS2253-J1-AQ (380-151903-1)	5/21/25	12:30 Hawaiian	G	Water			X	X	X	X	X	13	MRLs are needed. Confirm any hits >RL., MRLs are needed.
BWS2253-J1-TB (380-151903-2)	5/21/25	12:30 Hawaiian	G	Water				X			X	3	, MRLs are needed. Extra containers provided for MS/MSD

380-151903 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/tests/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	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/23/25 1115	EBA		5/23/25 11:15	EBA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.4/0.9 SC11

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-151903-1
SDG Number: Site J

Login Number: 151903
List Number: 1
Creator: Edrosa, Rey

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	
ClO4 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: 380-151903-1
SDG Number: Site J

Login Number: 151903
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 05/23/25 12:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	0.9
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	