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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 2/21/2025 11:25:12 AM

JOB DESCRIPTION

RED-HILL
Quarterly

JOB NUMBER

380-133154-1

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

See page two for job notes and contact information.

Job Notes

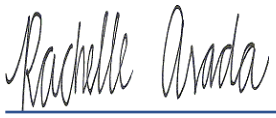
This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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.

HPLC/IC

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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
380-133154-1

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 1/31/2025 10:27 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2°C and 2.8°C.

Receipt Exceptions
Sample container for Method 245.1 was received preserved with sodium hydroxide instead of nitric acid. The laboratory poured off volume from other metals container to use for analysis. Ka'amilo Wells (380-133154-1) and HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) (380-133154-2)

GC/MS VOA
Method 524.2_Pres_PREC: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) (380-133154-2) [Analytical Batch 810-132049] [524.2]: The associated matrix spike (MS) recoveries were outside control limits, high-biased, for acetone (136%) and n-butylbenzene (132%). The parameters were non-detects for the client sample.

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

GC/MS Semi VOA
Method 625.1_SIM: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 570-529323 and analytical batch 570-532856 recovered outside control limits for the following analyte(s): Benzidine. Benzidine has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 625.1_SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-529323 and analytical batch 570-532856 recovered outside control limits for the following analytes: 2-Chloronaphthalene, Benzidine and Pyrene.

Method 625.1_SIM: The laboratory control sample duplicate (LCSD) for preparation batch 570-529323 and analytical batch 570-532856 recovered outside control limits for the following analytes: 2-Chlorophenol. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 625.1_SIM: The matrix spike/matrix spike duplicate (MS/MSD) for preparation batch 570-529323 and analytical batch 570-532856 exceeded control limits for the following analyte(s): Benzidine, Note that this analyte is a known poor performer when analyzed using this method.

Method 525.2_PREC: The matrix spike (MS) recovery for preparation batch 380-132045 and analytical batch 380-132255 was below control limits for Anthracene . Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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: The following sample(s) was re-prepared outside of preparation holding time due to Method

Reporting Limit (MRL) failed high in the first preparation batch. Data excluded due to this QC failure. In lieu of rsamples, data for this method are available from the weekly sampling events:

Kaamilo Wells - 380-132659 sampled 1/27/25 and 380-133865 sampled 2/3/25
Halawa Wells - 380-132646 sampled 1/27/25 and 380-133869 sampled 2/3/25

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

GC Semi VOA
Method 504.1_PREC: One or more containers for the following samples were received broken or leaking: Ka'amilo Wells (380-133154-1) and TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) (380-133154-4). 1 of 2 8015B DAI vials for stie Ka'amilo Wells and 1 of 2 504TB vias for stie Hawala Wells Unit 1 & 2 received broken.

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

Hydrocarbons
Method 8015B_DAI: One or more containers for the following samples were received broken or leaking: Ka'amilo Wells (380-133154-1) and TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) (380-133154-4). 1 of 2 8015B DAI vials for stie Ka'amilo Wells and 1 of 2 504TB vias for stie Hawala Wells Unit 1 & 2 received broken.

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

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

HPLC/IC
Method 300_OF_28D_PREC: The continuing calibration blank (CCB) for analytical batch 380-131886 contained Chloride above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 300_OF_48H_PREC: The following samples were diluted for Nitrite as N to prevent detector saturation due to high conductivity: Ka'amilo Wells (380-133154-1) and HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) (380-133154-2). Elevated reporting limits (RLs) are provided.

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

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

General Chemistry
Method SM4500_S2_D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 380-132294 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Client Sample ID: Ka'amilo Wells — Lab Sample ID: 380-133154-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.060		0.0098		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.011		0.0098		ug/L	1		525.2	Total/NA
Chlordane (n.o.s.)	0.26		0.10		ug/L	1		505	Total/NA
Bromide	240		5.0		ug/L	1		300.0	Total/NA
Chloride	130	^2	2.5		mg/L	5		300.0	Total/NA
Nitrate as N	1.7		0.25		mg/L	5		300.0	Total/NA
Sulfate	30		1.3		mg/L	5		300.0	Total/NA
Calcium	22		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	22		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	3.1		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	65		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	1.6		0.90		ug/L	1		200.8	Total/NA
Copper	67		1.0		ug/L	1		200.8	Total/NA
Selenium	3.7		2.0		ug/L	1		200.8	Total/NA
Alkalinity	74		4.0		mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	74		4.0		mg/L	1		SM 2320B	Total/NA
Specific Conductance	630		2.0		umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	360		20		mg/L	1		SM 2540C	Total/NA
Fluoride	0.065		0.050		mg/L	1		SM 4500 F C	Total/NA
pH	7.8	HF			SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) — Lab Sample ID: 380-133154-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.040		0.0097		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		0.0097		ug/L	1		525.2	Total/NA
Chlordane (n.o.s.)	0.27		0.10		ug/L	1		505	Total/NA
Bromide	700		25		ug/L	5		300.0	Total/NA
Chloride	200	^2	2.5		mg/L	5		300.0	Total/NA
Nitrate as N	1.7		0.25		mg/L	5		300.0	Total/NA
Sulfate	45		1.3		mg/L	5		300.0	Total/NA
Calcium	36		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	33		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	4.0		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	74		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	2.6		0.90		ug/L	1		200.8	Total/NA
Selenium	4.0		2.0		ug/L	1		200.8	Total/NA
Alkalinity	67		4.0		mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	67		4.0		mg/L	1		SM 2320B	Total/NA
Specific Conductance	850		2.0		umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	540		20		mg/L	1		SM 2540C	Total/NA
Fluoride	0.058		0.050		mg/L	1		SM 4500 F C	Total/NA
pH	7.8	HF			SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TB: Ka'amilo Wells — Lab Sample ID: 380-133154-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

Detection Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Client Sample ID: TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)

Lab Sample ID: 380-133154-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: Ka'amilo Wells

Date Collected: 01/30/25 10:31
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-1

Matrix: Water

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50		ug/L			02/06/25 12:18	1

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			02/05/25 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/05/25 23:33*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*02/05/25 23:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*02/05/25 23:33*	*1*

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			02/06/25 12:18	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			02/06/25 12:18	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			02/06/25 12:18	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			02/06/25 12:18	1
1,1-Dichloroethane	<0.50		0.50		ug/L			02/06/25 12:18	1
1,1-Dichlorethylene	<0.50		0.50		ug/L			02/06/25 12:18	1
1,1-Dichloropropene	<0.50		0.50		ug/L			02/06/25 12:18	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			02/06/25 12:18	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			02/06/25 12:18	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			02/06/25 12:18	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			02/06/25 12:18	1
1,2-Dichloroethane	<0.50		0.50		ug/L			02/06/25 12:18	1
1,2-Dichloropropane	<0.25		0.25		ug/L			02/06/25 12:18	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			02/06/25 12:18	1
1,3-Dichloropropane	<0.50		0.50		ug/L			02/06/25 12:18	1
2,2-Dichloropropane	<0.50		0.50		ug/L			02/06/25 12:18	1
2-Butanone (MEK)	<5.0		5.0		ug/L			02/06/25 12:18	1
4-Methyl-2-pentanone (MIBK)	<2.0		2.0		ug/L			02/06/25 12:18	1
Acetone	<500		500		ug/L			02/06/25 12:18	1
Benzene	<0.50		0.50		ug/L			02/06/25 12:18	1
Bromobenzene	<0.50		0.50		ug/L			02/06/25 12:18	1
Bromochloromethane	<0.50		0.50		ug/L			02/06/25 12:18	1
Bromodichloromethane	<0.50		0.50		ug/L			02/06/25 12:18	1
Bromoethane	<0.50		0.50		ug/L			02/06/25 12:18	1
Bromoform	<0.50		0.50		ug/L			02/06/25 12:18	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			02/06/25 12:18	1
Carbon disulfide	<0.50		0.50		ug/L			02/06/25 12:18	1
Carbon tetrachloride	<0.50		0.50		ug/L			02/06/25 12:18	1
Chlorobenzene	<0.50		0.50		ug/L			02/06/25 12:18	1
Chlorodibromomethane	<0.50		0.50		ug/L			02/06/25 12:18	1
Chloroethane	<0.50		0.50		ug/L			02/06/25 12:18	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			02/06/25 12:18	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			02/06/25 12:18	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			02/06/25 12:18	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			02/06/25 12:18	1
Dibromomethane	<0.50		0.50		ug/L			02/06/25 12:18	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			02/06/25 12:18	1

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Client Sample ID: Ka'amilo Wells
Date Collected: 01/30/25 10:31
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-1
Matrix: Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichloromethane	<0.50		0.50		ug/L			02/06/25 12:18	1
Diisopropyl ether	<0.50		0.50		ug/L			02/06/25 12:18	1
Ethylbenzene	<0.50		0.50		ug/L			02/06/25 12:18	1
Hexachlorobutadiene	<0.25		0.25		ug/L			02/06/25 12:18	1
Isopropylbenzene	<0.25		0.25		ug/L			02/06/25 12:18	1
m,p-Xylenes	<0.50		0.50		ug/L			02/06/25 12:18	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			02/06/25 12:18	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			02/06/25 12:18	1
Naphthalene	<0.50		0.50		ug/L			02/06/25 12:18	1
n-Butylbenzene	<0.50		0.50		ug/L			02/06/25 12:18	1
N-Propylbenzene	<0.50		0.50		ug/L			02/06/25 12:18	1
o-Chlorotoluene	<0.50		0.50		ug/L			02/06/25 12:18	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			02/06/25 12:18	1
o-Xylene	<0.50		0.50		ug/L			02/06/25 12:18	1
p-Chlorotoluene	<0.50		0.50		ug/L			02/06/25 12:18	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			02/06/25 12:18	1
p-Isopropyltoluene	<0.50		0.50		ug/L			02/06/25 12:18	1
sec-Butylbenzene	<0.50		0.50		ug/L			02/06/25 12:18	1
Styrene	<0.50		0.50		ug/L			02/06/25 12:18	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			02/06/25 12:18	1
Tert-butyl ethyl ether	<2.0		2.0		ug/L			02/06/25 12:18	1
tert-Butylbenzene	<0.50		0.50		ug/L			02/06/25 12:18	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			02/06/25 12:18	1
Toluene	<0.50		0.50		ug/L			02/06/25 12:18	1
Xylenes, Total	<0.50		0.50		ug/L			02/06/25 12:18	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			02/06/25 12:18	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			02/06/25 12:18	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			02/06/25 12:18	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			02/06/25 12:18	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			02/06/25 12:18	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			02/06/25 12:18	1
Vinyl Chloride (VC)	<0.20		0.20		ug/L			02/06/25 12:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*02/06/25 12:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*02/06/25 12:18*	*1*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*02/06/25 12:18*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*02/06/25 12:18*	*1*

Method: EPA 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
2,4'-DDE	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
2,4'-DDT	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
4,4'-DDD	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
4,4'-DDE	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1

Client Sample ID: Ka'amilo Wells

Date Collected: 01/30/25 10:31
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-1

Matrix: Water

Method: EPA 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Acenaphthene	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Acenaphthylene	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Acetochlor	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Alachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
alpha-BHC	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
alpha-Chlordane	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Anthracene	<0.020	F1	0.020		ug/L		02/02/25 15:45	02/03/25 15:14	1
Atrazine	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Benz(a)anthracene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Benzo[a]pyrene	<0.020		0.020		ug/L		02/02/25 15:45	02/03/25 15:14	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		02/02/25 15:45	02/03/25 15:14	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		02/02/25 15:45	02/03/25 15:14	1
beta-BHC	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		02/02/25 15:45	02/03/25 15:14	1
Aldrin	<0.0098		0.0098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Bromacil	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Butachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Butylbenzylphthalate	<0.49		0.49		ug/L		02/02/25 15:45	02/03/25 15:14	1
Chlorobenzilate	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Chloroneb	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Chlorpyrifos	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Chrysene	<0.020		0.020		ug/L		02/02/25 15:45	02/03/25 15:14	1
delta-BHC	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		02/02/25 15:45	02/03/25 15:14	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Dieldrin	**0.060**		0.0098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Diethylphthalate	<0.49		0.49		ug/L		02/02/25 15:45	02/03/25 15:14	1
Dimethylphthalate	<0.49		0.49		ug/L		02/02/25 15:45	02/03/25 15:14	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		02/02/25 15:45	02/03/25 15:14	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Endosulfan sulfate	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Endrin	<0.0098		0.0098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Endrin aldehyde	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
EPTC	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Fluoranthene	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Fluorene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
gamma-BHC (Lindane)	<0.0098		0.0098		ug/L		02/02/25 15:45	02/03/25 15:14	1
gamma-Chlordane	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Heptachlor	<0.0098		0.0098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Heptachlor epoxide (isomer B)	**0.011**		0.0098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Hexachlorobenzene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1

Client Sample ID: Ka'amilo Wells
Date Collected: 01/30/25 10:31
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-1
Matrix: Water

Method: EPA 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Malathion	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Methoxychlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Metolachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Molinate	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Naphthalene	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Parathion	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Phenanthrene	<0.039		0.039		ug/L		02/02/25 15:45	02/03/25 15:14	1
Propachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Pyrene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Simazine	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Terbacil	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Terbuthylazine	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Thiobencarb	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		02/02/25 15:45	02/03/25 15:14	1
trans-Nonachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:14	1
Trifluralin	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
1-Methylnaphthalene	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1
2-Methylnaphthalene	<0.098		0.098		ug/L		02/02/25 15:45	02/03/25 15:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*02/02/25 15:45*	*02/03/25 15:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*02/02/25 15:45*	*02/03/25 15:14*	*1*
Perylene-d12	*96*		*70 - 130*	*02/02/25 15:45*	*02/03/25 15:14*	*1*
Triphenylphosphate	*97*		*70 - 130*	*02/02/25 15:45*	*02/03/25 15:14*	*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		02/03/25 13:00	02/12/25 10:50	1
2,4,5-Trichlorophenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 10:50	1
2,4,6-Trichlorophenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 10:50	1
2,4-Dichlorophenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 10:50	1
2,4-Dinitrophenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 10:50	1
2,6-Dichlorophenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 10:50	1
2-Chloronaphthalene	<0.19	*1	0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
2-Chlorophenol	<0.19	*+	0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
2-Methylnaphthalene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
2-Methylphenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 10:50	1
2-Nitroaniline	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 10:50	1
2-Nitrophenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 10:50	1
3/4-Methylphenol	<1.9		1.9		ug/L		02/03/25 13:00	02/12/25 10:50	1
3-Nitroaniline	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 10:50	1
4,6-Dinitro-2-methylphenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 10:50	1
4-Bromophenyl phenyl ether	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
4-Chloro-3-methylphenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 10:50	1
4-Chloroaniline	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 10:50	1
4-Chlorophenyl phenyl ether	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1

Client Sample ID: Ka'amilo Wells
Date Collected: 01/30/25 10:31
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 10:50	1
4-Nitrophenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 10:50	1
Acenaphthene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Acenaphthylene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Aniline	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Anthracene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Benzidine	<4.8	*- *1	4.8		ug/L		02/03/25 13:00	02/12/25 10:50	1
Benzo[a]anthracene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Benzo[a]pyrene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Benzoic acid	<9.6		9.6		ug/L		02/03/25 13:00	02/12/25 10:50	1
Benzyl alcohol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 10:50	1
Bis(2-chloroethoxy)methane	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Bis(2-chloroethyl)ether	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
bis (2-Chloroisopropyl) ether	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Chrysene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Dibenzofuran	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Fluoranthene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Fluorene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Hexachloroethane	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Naphthalene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Nitrobenzene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
N-Nitrosodi-n-propylamine	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
N-Nitrosodiphenylamine	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Pentachlorophenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 10:50	1
Phenanthrene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1
Phenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 10:50	1
Pyrene	<0.19	*1	0.19		ug/L		02/03/25 13:00	02/12/25 10:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*28 - 127*	*02/03/25 13:00*	*02/12/25 10:50*	*1*
2-Fluorobiphenyl (Surr)	*65*		*31 - 120*	*02/03/25 13:00*	*02/12/25 10:50*	*1*
2-Fluorophenol (Surr)	*38*		*17 - 120*	*02/03/25 13:00*	*02/12/25 10:50*	*1*
Nitrobenzene-d5 (Surr)	*61*		*27 - 120*	*02/03/25 13:00*	*02/12/25 10:50*	*1*
Phenol-d6 (Surr)	*25*		*10 - 120*	*02/03/25 13:00*	*02/12/25 10:50*	*1*
p-Terphenyl-d14 (Surr)	*73*		*45 - 120*	*02/03/25 13:00*	*02/12/25 10:50*	*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*
2-Butenal, 3-methyl-	*5.0*	*T J N*	*ug/L*		*2.69*	*107-86-8*	*02/03/25 13:00*	*02/12/25 16:18*	*1*
1-Hexene, 4-ethyl-	*6.6*	*T J N*	*ug/L*		*2.79*	*16746-85-3*	*02/03/25 13:00*	*02/12/25 16:18*	*1*
Cyclohexane, 1-methyl-2-propyl-	*6.2*	*T J N*	*ug/L*		*2.91*	*4291-79-6*	*02/03/25 13:00*	*02/12/25 16:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*33 - 139*	*02/03/25 13:00*	*02/12/25 16:18*	*1*
2-Fluorobiphenyl (Surr)	*62*		*33 - 126*	*02/03/25 13:00*	*02/12/25 16:18*	*1*

Client Sample ID: Ka'amilo Wells

Date Collected: 01/30/25 10:31
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*44*		*12 - 120*	*02/03/25 13:00*	*02/12/25 16:18*	*1*
Nitrobenzene-d5 (Surr)	*65*		*36 - 120*	*02/03/25 13:00*	*02/12/25 16:18*	*1*
Phenol-d6 (Surr)	*29*		*10 - 120*	*02/03/25 13:00*	*02/12/25 16:18*	*1*
p-Terphenyl-d14 (Surr)	*81*		*47 - 131*	*02/03/25 13:00*	*02/12/25 16:18*	*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			02/07/25 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*		*02/07/25 19:46*	*1*

Method: EPA-DW2 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		02/01/25 14:00	02/02/25 01:28	1
1,2-Dibromo-3-Chloropropane	<0.0099		0.0099	ug/L		02/01/25 14:00	02/02/25 01:28	1
1,2-Dibromoethane	<0.0099		0.0099	ug/L		02/01/25 14:00	02/02/25 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane (Surr)	*103*		*60 - 140*	*02/01/25 14:00*	*02/02/25 01:28*	*1*

Method: EPA 505 - Organochlorine Pesticides/PCBs (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50	ug/L		02/03/25 14:32	02/03/25 20:35	1
Chlordane (n.o.s.)	**0.26**		0.10	ug/L		02/03/25 14:32	02/03/25 20:35	1
PCB-1016	<0.070		0.070	ug/L		02/03/25 14:32	02/03/25 20:35	1
PCB-1221	<0.10		0.10	ug/L		02/03/25 14:32	02/03/25 20:35	1
PCB-1232	<0.10		0.10	ug/L		02/03/25 14:32	02/03/25 20:35	1
PCB-1242	<0.10		0.10	ug/L		02/03/25 14:32	02/03/25 20:35	1
PCB-1248	<0.10		0.10	ug/L		02/03/25 14:32	02/03/25 20:35	1
PCB-1254	<0.10		0.10	ug/L		02/03/25 14:32	02/03/25 20:35	1
PCB-1260	<0.070		0.070	ug/L		02/03/25 14:32	02/03/25 20:35	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		02/03/25 14:32	02/03/25 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*70 - 130*	*02/03/25 14:32*	*02/03/25 20:35*	*1*

Method: SW846 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10		0.10	mg/L			02/08/25 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Hexafluoro-2-propanol (Surr)	*96*		*54 - 120*		*02/08/25 18:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**240**		5.0	ug/L			02/05/25 17:23	1
Chloride	**130**	**^2**	2.5	mg/L			01/31/25 20:55	5
Nitrate as N	**1.7**		0.25	mg/L			01/31/25 20:55	5
Nitrite as N	<0.25		0.25	mg/L			01/31/25 20:55	5
Sulfate	**30**		1.3	mg/L			01/31/25 20:55	5

Client Sample ID: Ka'amilo Wells

Lab Sample ID: 380-133154-1
Date Collected: 01/30/25 10:31
Matrix: Water
Date Received: 01/31/25 10:27

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**22**		0.10		mg/L			02/03/25 14:48	1
Magnesium	**22**		0.10		mg/L			02/03/25 14:48	1
Potassium	**3.1**		0.10		mg/L			02/03/25 14:48	1
Sodium	**65**		0.10		mg/L			02/03/25 14:48	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0		ug/L			02/03/25 15:12	1
Arsenic	<1.0		1.0		ug/L			02/03/25 15:12	1
Beryllium	<0.30		0.30		ug/L			02/03/25 15:12	1
Cadmium	<0.50		0.50		ug/L			02/03/25 15:12	1
Chromium	**1.6**		0.90		ug/L			02/03/25 15:12	1
Copper	**67**		1.0		ug/L			02/03/25 15:12	1
Lead	<0.50		0.50		ug/L			02/03/25 15:12	1
Nickel	<1.0		1.0		ug/L			02/03/25 15:12	1
Selenium	**3.7**		2.0		ug/L			02/03/25 15:12	1
Silver	<0.50		0.50		ug/L			02/03/25 15:12	1
Thallium	<0.30		0.30		ug/L			02/03/25 15:12	1
Zinc	<20		20		ug/L			02/03/25 15:12	1

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		02/06/25 11:08	02/06/25 16:02	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**74**		4.0		mg/L			02/07/25 01:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**74**		4.0		mg/L			02/07/25 01:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0		mg/L			02/07/25 01:52	1
Specific Conductance (SM 2510B)	**630**		2.0		umhos/cm			02/07/25 01:52	1
Total Dissolved Solids (SM 2540C)	**360**		20		mg/L			02/03/25 15:40	1
Fluoride (SM 4500 F C)	**0.065**		0.050		mg/L			02/06/25 22:44	1
pH (SM 4500 H+ B)	**7.8**	**HF**			SU			02/07/25 01:52	1
Sulfide (SM 4500 S2 D)	<0.050	F1	0.050		mg/L			02/03/25 17:45	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)

Lab Sample ID: 380-133154-2
Date Collected: 01/30/25 09:53
Matrix: Drinking Water
Date Received: 01/31/25 10:27

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50		ug/L			02/06/25 13:07	1

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			02/05/25 23:56	1

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-2
Matrix: Drinking Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/05/25 23:56*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*02/05/25 23:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*02/05/25 23:56*	*1*

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			02/06/25 13:07	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			02/06/25 13:07	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			02/06/25 13:07	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			02/06/25 13:07	1
1,1-Dichloroethane	<0.50		0.50		ug/L			02/06/25 13:07	1
1,1 Dichlorethylene	<0.50		0.50		ug/L			02/06/25 13:07	1
1,1-Dichloropropene	<0.50		0.50		ug/L			02/06/25 13:07	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			02/06/25 13:07	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			02/06/25 13:07	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			02/06/25 13:07	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			02/06/25 13:07	1
1,2-Dichloroethane	<0.50		0.50		ug/L			02/06/25 13:07	1
1,2-Dichloropropane	<0.25		0.25		ug/L			02/06/25 13:07	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			02/06/25 13:07	1
1,3-Dichloropropane	<0.50		0.50		ug/L			02/06/25 13:07	1
2,2-Dichloropropane	<0.50		0.50		ug/L			02/06/25 13:07	1
2-Butanone (MEK)	<5.0		5.0		ug/L			02/06/25 13:07	1
4-Methyl-2-pentanone (MIBK)	<2.0		2.0		ug/L			02/06/25 13:07	1
Acetone	<500	F1	500		ug/L			02/06/25 13:07	1
Benzene	<0.50		0.50		ug/L			02/06/25 13:07	1
Bromobenzene	<0.50		0.50		ug/L			02/06/25 13:07	1
Bromochloromethane	<0.50		0.50		ug/L			02/06/25 13:07	1
Bromodichloromethane	<0.50		0.50		ug/L			02/06/25 13:07	1
Bromoethane	<0.50		0.50		ug/L			02/06/25 13:07	1
Bromoform	<0.50		0.50		ug/L			02/06/25 13:07	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			02/06/25 13:07	1
Carbon disulfide	<0.50		0.50		ug/L			02/06/25 13:07	1
Carbon tetrachloride	<0.50		0.50		ug/L			02/06/25 13:07	1
Chlorobenzene	<0.50		0.50		ug/L			02/06/25 13:07	1
Chlorodibromomethane	<0.50		0.50		ug/L			02/06/25 13:07	1
Chloroethane	<0.50		0.50		ug/L			02/06/25 13:07	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			02/06/25 13:07	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			02/06/25 13:07	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			02/06/25 13:07	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			02/06/25 13:07	1
Dibromomethane	<0.50		0.50		ug/L			02/06/25 13:07	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			02/06/25 13:07	1
Dichloromethane	<0.50		0.50		ug/L			02/06/25 13:07	1
Diisopropyl ether	<0.50		0.50		ug/L			02/06/25 13:07	1
Ethylbenzene	<0.50		0.50		ug/L			02/06/25 13:07	1
Hexachlorobutadiene	<0.25		0.25		ug/L			02/06/25 13:07	1
Isopropylbenzene	<0.25		0.25		ug/L			02/06/25 13:07	1
m,p-Xylenes	<0.50		0.50		ug/L			02/06/25 13:07	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-2
Matrix: Drinking Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			02/06/25 13:07	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			02/06/25 13:07	1
Naphthalene	<0.50		0.50		ug/L			02/06/25 13:07	1
n-Butylbenzene	<0.50	F1	0.50		ug/L			02/06/25 13:07	1
N-Propylbenzene	0 50		0 50		ug/L			02/06/25 13 07	1
o-Chlorotoluene	<0.50		0.50		ug/L			02/06/25 13:07	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			02/06/25 13:07	1
o-Xylene	<0.50		0.50		ug/L			02/06/25 13:07	1
p-Chlorotoluene	<0.50		0.50		ug/L			02/06/25 13:07	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			02/06/25 13:07	1
p-Isopropyltoluene	<0.50		0.50		ug/L			02/06/25 13:07	1
sec-Butylbenzene	<0.50		0.50		ug/L			02/06/25 13:07	1
Styrene	<0.50		0.50		ug/L			02/06/25 13:07	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			02/06/25 13:07	1
Tert-butyl ethyl ether	<2.0		2.0		ug/L			02/06/25 13:07	1
tert-Butylbenzene	<0.50		0.50		ug/L			02/06/25 13:07	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			02/06/25 13:07	1
Toluene	<0.50		0.50		ug/L			02/06/25 13:07	1
Xylenes, Total	<0.50		0.50		ug/L			02/06/25 13:07	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			02/06/25 13:07	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			02/06/25 13:07	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			02/06/25 13:07	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			02/06/25 13:07	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			02/06/25 13:07	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			02/06/25 13:07	1
Vinyl Chloride (VC)	<0.20		0.20		ug/L			02/06/25 13:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*02/06/25 13:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*02/06/25 13:07*	*1*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*		*02/06/25 13:07*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*02/06/25 13:07*	*1*

Method: EPA 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
2,4'-DDE	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
2,4'-DDT	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
2,4-Dinitrotoluene	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
2,6-Dinitrotoluene	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
4,4'-DDD	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
4,4'-DDE	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
4,4'-DDT	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Acenaphthene	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Acenaphthylene	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Acetochlor	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Alachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-2
Matrix: Drinking Water

Method: EPA 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
alpha-Chlordane	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Anthracene	<0.019		0.019		ug/L		02/02/25 15:45	02/03/25 15:34	1
Atrazine	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Benz(a)anthracene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Benzo[a]pyrene	<0.019		0.019		ug/L		02/02/25 15:45	02/03/25 15:34	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		02/02/25 15:45	02/03/25 15:34	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		02/02/25 15:45	02/03/25 15:34	1
beta-BHC	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		02/02/25 15:45	02/03/25 15:34	1
Aldrin	<0.0097		0.0097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Bromacil	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Butachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Butylbenzylphthalate	<0.49		0.49		ug/L		02/02/25 15:45	02/03/25 15:34	1
Chlorobenzilate	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Chloroneb	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Chlorpyrifos	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Chrysene	<0.019		0.019		ug/L		02/02/25 15:45	02/03/25 15:34	1
delta-BHC	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		02/02/25 15:45	02/03/25 15:34	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Dieldrin	**0.040**		0.0097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Diethylphthalate	<0.49		0.49		ug/L		02/02/25 15:45	02/03/25 15:34	1
Dimethylphthalate	<0.49		0.49		ug/L		02/02/25 15:45	02/03/25 15:34	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		02/02/25 15:45	02/03/25 15:34	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Endosulfan sulfate	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Endrin	<0.0097		0.0097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Endrin aldehyde	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
EPTC	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Fluoranthene	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Fluorene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
gamma-BHC (Lindane)	<0.0097		0.0097		ug/L		02/02/25 15:45	02/03/25 15:34	1
gamma-Chlordane	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Heptachlor	<0.0097		0.0097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Heptachlor epoxide (isomer B)	**0.014**		0.0097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Hexachlorobenzene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Isophorone	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Malathion	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Methoxychlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Metolachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-2
Matrix: Drinking Water

Method: EPA 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Molinate	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Naphthalene	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Parathion	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Phenanthrene	<0.039		0.039		ug/L		02/02/25 15:45	02/03/25 15:34	1
Propachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Pyrene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Simazine	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Terbacil	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Terbuthylazine	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Thiobencarb	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		02/02/25 15:45	02/03/25 15:34	1
trans-Nonachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 15:34	1
Trifluralin	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
1-Methylnaphthalene	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1
2-Methylnaphthalene	<0.097		0.097		ug/L		02/02/25 15:45	02/03/25 15:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*02/02/25 15:45*	*02/03/25 15:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*02/02/25 15:45*	*02/03/25 15:34*	*1*
Perylene-d12	*95*		*70 - 130*	*02/02/25 15:45*	*02/03/25 15:34*	*1*
Triphenylphosphate	*96*		*70 - 130*	*02/02/25 15:45*	*02/03/25 15:34*	*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		02/03/25 13:00	02/12/25 11:12	1
2,4,5-Trichlorophenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 11:12	1
2,4,6-Trichlorophenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 11:12	1
2,4-Dichlorophenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 11:12	1
2,4-Dinitrophenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 11:12	1
2,6-Dichlorophenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 11:12	1
2-Chloronaphthalene	<0.19	*1	0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
2-Chlorophenol	<0.19	*+	0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
2-Methylnaphthalene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
2-Methylphenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 11:12	1
2-Nitroaniline	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 11:12	1
2-Nitrophenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 11:12	1
3/4-Methylphenol	<1.9		1.9		ug/L		02/03/25 13:00	02/12/25 11:12	1
3-Nitroaniline	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 11:12	1
4,6-Dinitro-2-methylphenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 11:12	1
4-Bromophenyl phenyl ether	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
4-Chloro-3-methylphenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 11:12	1
4-Chloroaniline	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 11:12	1
4-Chlorophenyl phenyl ether	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
4-Nitroaniline	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 11:12	1
4-Nitrophenol	<4.8		4.8		ug/L		02/03/25 13:00	02/12/25 11:12	1
Acenaphthene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-2
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
Acenaphthylene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Aniline	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Anthracene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Benzidine	<4.8	*- *1	4.8		ug/L		02/03/25 13:00	02/12/25 11:12	1
Benzo[a]anthracene	0 19		0 19		ug/L		02/03/25 13 00	02/12/25 11 12	1
Benzo[a]pyrene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Benzoic acid	<9.6		9.6		ug/L		02/03/25 13:00	02/12/25 11:12	1
Benzyl alcohol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 11:12	1
Bis(2-chloroethoxy)methane	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Bis(2-chloroethyl)ether	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
bis (2-Chloroisopropyl) ether	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Chrysene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Dibenzofuran	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Fluoranthene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Fluorene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Hexachloroethane	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Naphthalene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Nitrobenzene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
N-Nitrosodi-n-propylamine	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
N-Nitrosodiphenylamine	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Pentachlorophenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 11:12	1
Phenanthrene	<0.19		0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1
Phenol	<0.96		0.96		ug/L		02/03/25 13:00	02/12/25 11:12	1
Pyrene	<0.19	*1	0.19		ug/L		02/03/25 13:00	02/12/25 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*28 - 127*	*02/03/25 13:00*	*02/12/25 11:12*	*1*
2-Fluorobiphenyl (Surr)	*66*		*31 - 120*	*02/03/25 13:00*	*02/12/25 11:12*	*1*
2-Fluorophenol (Surr)	*43*		*17 - 120*	*02/03/25 13:00*	*02/12/25 11:12*	*1*
Nitrobenzene-d5 (Surr)	*67*		*27 - 120*	*02/03/25 13:00*	*02/12/25 11:12*	*1*
Phenol-d6 (Surr)	*28*		*10 - 120*	*02/03/25 13:00*	*02/12/25 11:12*	*1*
p-Terphenyl-d14 (Surr)	*74*		*45 - 120*	*02/03/25 13:00*	*02/12/25 11:12*	*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*
Cyclopentane, 1,2,3,4,5-pentamethyl-	*5.9*	*T J N*	*ug/L*		*2.69*	*1000152-79-7*	*02/03/25 13:00*	*02/12/25 16:41*	*1*
Butane, 1-(ethenyloxy)-3-methyl-	*6.7*	*T J N*	*ug/L*		*2.79*	*39782-38-2*	*02/03/25 13:00*	*02/12/25 16:41*	*1*
Cyclopropane, 3-chloro-1,1,2,2-tetramethyl-	*5.3*	*T J N*	*ug/L*		*2.92*	*14123-41-2*	*02/03/25 13:00*	*02/12/25 16:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*33 - 139*	*02/03/25 13:00*	*02/12/25 16:41*	*1*
2-Fluorobiphenyl (Surr)	*69*		*33 - 126*	*02/03/25 13:00*	*02/12/25 16:41*	*1*

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-2
Matrix: Drinking Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*43*		*12 - 120*	*02/03/25 13:00*	*02/12/25 16:41*	*1*
Nitrobenzene-d5 (Surr)	*71*		*36 - 120*	*02/03/25 13:00*	*02/12/25 16:41*	*1*
Phenol-d6 (Surr)	*27*		*10 - 120*	*02/03/25 13:00*	*02/12/25 16:41*	*1*
p-Terphenyl-d14 (Surr)	*78*		*47 - 131*	*02/03/25 13:00*	*02/12/25 16:41*	*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			02/07/25 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*38 - 134*		*02/07/25 20:11*	*1*

Method: EPA-DW2 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020		ug/L		02/01/25 14:00	02/02/25 01:49	1
1,2-Dibromo-3-Chloropropane	<0.0099		0.0099		ug/L		02/01/25 14:00	02/02/25 01:49	1
1,2-Dibromoethane	<0.0099		0.0099		ug/L		02/01/25 14:00	02/02/25 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane (Surr)	*96*		*60 - 140*	*02/01/25 14:00*	*02/02/25 01:49*	*1*

Method: EPA 505 - Organochlorine Pesticides/PCBs (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50		ug/L		02/03/25 14:32	02/03/25 20:56	1
Chlordane (n.o.s.)	**0.27**		0.10		ug/L		02/03/25 14:32	02/03/25 20:56	1
PCB-1016	<0.070		0.070		ug/L		02/03/25 14:32	02/03/25 20:56	1
PCB-1221	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 20:56	1
PCB-1232	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 20:56	1
PCB-1242	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 20:56	1
PCB-1248	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 20:56	1
PCB-1254	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 20:56	1
PCB-1260	<0.070		0.070		ug/L		02/03/25 14:32	02/03/25 20:56	1
Polychlorinated biphenyls, Total	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*70 - 130*	*02/03/25 14:32*	*02/03/25 20:56*	*1*

Method: SW846 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10		0.10		mg/L			02/08/25 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Hexafluoro-2-propanol (Surr)	*99*		*54 - 120*		*02/08/25 18:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**700**		25		ug/L			02/06/25 19:47	5
Chloride	**200**	**^2**	2.5		mg/L			01/31/25 21:08	5
Nitrate as N	**1.7**		0.25		mg/L			01/31/25 21:08	5
Nitrite as N	<0.25		0.25		mg/L			01/31/25 21:08	5

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)

Lab Sample ID: 380-133154-2

Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Matrix: Drinking Water

Method: EPA 300.0 - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**45**		1.3		mg/L			01/31/25 21:08	5

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**36**		0.10		mg/L			02/03/25 14:50	1
Magnesium	**33**		0.10		mg/L			02/03/25 14:50	1
Potassium	**4.0**		0.10		mg/L			02/03/25 14:50	1
Sodium	**74**		0.10		mg/L			02/03/25 14:50	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0		ug/L			02/03/25 15:14	1
Arsenic	<1.0		1.0		ug/L			02/03/25 15:14	1
Beryllium	<0.30		0.30		ug/L			02/03/25 15:14	1
Cadmium	<0.50		0.50		ug/L			02/03/25 15:14	1
Chromium	**2.6**		0.90		ug/L			02/03/25 15:14	1
Copper	<1.0		1.0		ug/L			02/03/25 15:14	1
Lead	<0.50		0.50		ug/L			02/03/25 15:14	1
Nickel	<1.0		1.0		ug/L			02/03/25 15:14	1
Selenium	**4.0**		2.0		ug/L			02/03/25 15:14	1
Silver	<0.50		0.50		ug/L			02/03/25 15:14	1
Thallium	<0.30		0.30		ug/L			02/03/25 15:14	1
Zinc	<20		20		ug/L			02/03/25 15:14	1

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		02/06/25 11:08	02/06/25 16:04	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**67**		4.0		mg/L			02/07/25 02:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**67**		4.0		mg/L			02/07/25 02:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0		mg/L			02/07/25 02:01	1
Specific Conductance (SM 2510B)	**850**		2.0		umhos/cm			02/07/25 02:01	1
Total Dissolved Solids (SM 2540C)	**540**		20		mg/L			02/03/25 15:40	1
Fluoride (SM 4500 F C)	**0.058**		0.050		mg/L			02/06/25 22:48	1
pH (SM 4500 H+ B)	**7.8**	**HF**			SU			02/07/25 02:01	1
Sulfide (SM 4500 S2 D)	<0.050		0.050		mg/L			02/03/25 17:45	1

Client Sample ID: TB: Ka'amilo Wells

Lab Sample ID: 380-133154-3

Date Collected: 01/30/25 10:31
Date Received: 01/31/25 10:27

Matrix: Water

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50		ug/L			02/06/25 13:31	1

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Client Sample ID: TB: Ka'amilo Wells

Date Collected: 01/30/25 10:31
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-3

Matrix: Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			02/06/25 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/06/25 00:19*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*02/06/25 00:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*02/06/25 00:19*	*1*

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			02/06/25 13:31	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			02/06/25 13:31	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			02/06/25 13:31	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			02/06/25 13:31	1
1,1-Dichloroethane	<0.50		0.50		ug/L			02/06/25 13:31	1
1,1-Dichlorethylene	<0.50		0.50		ug/L			02/06/25 13:31	1
1,1-Dichloropropene	<0.50		0.50		ug/L			02/06/25 13:31	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			02/06/25 13:31	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			02/06/25 13:31	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			02/06/25 13:31	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			02/06/25 13:31	1
1,2-Dichloroethane	<0.50		0.50		ug/L			02/06/25 13:31	1
1,2-Dichloropropane	<0.25		0.25		ug/L			02/06/25 13:31	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			02/06/25 13:31	1
1,3-Dichloropropane	<0.50		0.50		ug/L			02/06/25 13:31	1
2,2-Dichloropropane	<0.50		0.50		ug/L			02/06/25 13:31	1
2-Butanone (MEK)	<5.0		5.0		ug/L			02/06/25 13:31	1
4-Methyl-2-pentanone (MIBK)	<2.0		2.0		ug/L			02/06/25 13:31	1
Acetone	<500		500		ug/L			02/06/25 13:31	1
Benzene	<0.50		0.50		ug/L			02/06/25 13:31	1
Bromobenzene	<0.50		0.50		ug/L			02/06/25 13:31	1
Bromochloromethane	<0.50		0.50		ug/L			02/06/25 13:31	1
Bromodichloromethane	<0.50		0.50		ug/L			02/06/25 13:31	1
Bromoethane	<0.50		0.50		ug/L			02/06/25 13:31	1
Bromoform	<0.50		0.50		ug/L			02/06/25 13:31	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			02/06/25 13:31	1
Carbon disulfide	<0.50		0.50		ug/L			02/06/25 13:31	1
Carbon tetrachloride	<0.50		0.50		ug/L			02/06/25 13:31	1
Chlorobenzene	<0.50		0.50		ug/L			02/06/25 13:31	1
Chlorodibromomethane	<0.50		0.50		ug/L			02/06/25 13:31	1
Chloroethane	<0.50		0.50		ug/L			02/06/25 13:31	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			02/06/25 13:31	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			02/06/25 13:31	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			02/06/25 13:31	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			02/06/25 13:31	1
Dibromomethane	<0.50		0.50		ug/L			02/06/25 13:31	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			02/06/25 13:31	1
Dichloromethane	<0.50		0.50		ug/L			02/06/25 13:31	1
Diisopropyl ether	<0.50		0.50		ug/L			02/06/25 13:31	1
Ethylbenzene	<0.50		0.50		ug/L			02/06/25 13:31	1
Hexachlorobutadiene	<0.25		0.25		ug/L			02/06/25 13:31	1

Client Sample ID: TB: Ka'amilo Wells

Date Collected: 01/30/25 10:31
Date Received: 01/31/25 10:27

Lab Sample ID: 380-133154-3

Matrix: Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	<0.25		0.25		ug/L			02/06/25 13:31	1
m,p-Xylenes	<0.50		0.50		ug/L			02/06/25 13:31	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			02/06/25 13:31	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			02/06/25 13:31	1
Naphthalene	<0.50		0.50		ug/L			02/06/25 13:31	1
n-Butylbenzene	<0.50		0.50		ug/L			02/06/25 13:31	1
N-Propylbenzene	<0.50		0.50		ug/L			02/06/25 13:31	1
o-Chlorotoluene	<0.50		0.50		ug/L			02/06/25 13:31	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			02/06/25 13:31	1
o-Xylene	<0.50		0.50		ug/L			02/06/25 13:31	1
p-Chlorotoluene	<0.50		0.50		ug/L			02/06/25 13:31	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			02/06/25 13:31	1
p-Isopropyltoluene	<0.50		0.50		ug/L			02/06/25 13:31	1
sec-Butylbenzene	<0.50		0.50		ug/L			02/06/25 13:31	1
Styrene	<0.50		0.50		ug/L			02/06/25 13:31	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			02/06/25 13:31	1
Tert-butyl ethyl ether	<2.0		2.0		ug/L			02/06/25 13:31	1
tert-Butylbenzene	<0.50		0.50		ug/L			02/06/25 13:31	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			02/06/25 13:31	1
Toluene	<0.50		0.50		ug/L			02/06/25 13:31	1
Xylenes, Total	<0.50		0.50		ug/L			02/06/25 13:31	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			02/06/25 13:31	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			02/06/25 13:31	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			02/06/25 13:31	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			02/06/25 13:31	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			02/06/25 13:31	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			02/06/25 13:31	1
Vinyl Chloride (VC)	<0.20		0.20		ug/L			02/06/25 13:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*02/06/25 13:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*02/06/25 13:31*	*1*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*02/06/25 13:31*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*02/06/25 13:31*	*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			02/07/25 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*38 - 134*		*02/07/25 21:00*	*1*

Method: EPA-DW2 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020		ug/L		02/01/25 14:00	02/02/25 00:45	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010		ug/L		02/01/25 14:00	02/02/25 00:45	1
1,2-Dibromoethane	<0.010		0.010		ug/L		02/01/25 14:00	02/02/25 00:45	1

Client Sample ID: TB: Ka'amilo Wells

Lab Sample ID: 380-133154-3
Date Collected: 01/30/25 10:31
Matrix: Water
Date Received: 01/31/25 10:27

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	*99*		*60 - 140*	*02/01/25 14:00*	*02/02/25 00:45*	*1*

Client Sample ID: TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)

Lab Sample ID: 380-133154-4
Date Collected: 01/30/25 09:53
Matrix: Water
Date Received: 01/31/25 10:27

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50		ug/L			02/06/25 13:56	1

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			02/06/25 00:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*70 - 130*		*02/06/25 00:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*02/06/25 00:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*02/06/25 00:42*	*1*

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50		ug/L			02/06/25 13:56	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			02/06/25 13:56	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			02/06/25 13:56	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			02/06/25 13:56	1
1,1-Dichloroethane	<0.50		0.50		ug/L			02/06/25 13:56	1
1,1-Dichlorethylene	<0.50		0.50		ug/L			02/06/25 13:56	1
1,1-Dichloropropene	<0.50		0.50		ug/L			02/06/25 13:56	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			02/06/25 13:56	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			02/06/25 13:56	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			02/06/25 13:56	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			02/06/25 13:56	1
1,2-Dichloroethane	<0.50		0.50		ug/L			02/06/25 13:56	1
1,2-Dichloropropane	<0.25		0.25		ug/L			02/06/25 13:56	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			02/06/25 13:56	1
1,3-Dichloropropane	<0.50		0.50		ug/L			02/06/25 13:56	1
2,2-Dichloropropane	<0.50		0.50		ug/L			02/06/25 13:56	1
2-Butanone (MEK)	<5.0		5.0		ug/L			02/06/25 13:56	1
4-Methyl-2-pentanone (MIBK)	<2.0		2.0		ug/L			02/06/25 13:56	1
Acetone	<500		500		ug/L			02/06/25 13:56	1
Benzene	<0.50		0.50		ug/L			02/06/25 13:56	1
Bromobenzene	<0.50		0.50		ug/L			02/06/25 13:56	1
Bromochloromethane	<0.50		0.50		ug/L			02/06/25 13:56	1
Bromodichloromethane	<0.50		0.50		ug/L			02/06/25 13:56	1
Bromoethane	<0.50		0.50		ug/L			02/06/25 13:56	1
Bromoform	<0.50		0.50		ug/L			02/06/25 13:56	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			02/06/25 13:56	1
Carbon disulfide	<0.50		0.50		ug/L			02/06/25 13:56	1
Carbon tetrachloride	<0.50		0.50		ug/L			02/06/25 13:56	1
Chlorobenzene	<0.50		0.50		ug/L			02/06/25 13:56	1

Client Sample ID: TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)
Lab Sample ID: 380-133154-4
Date Collected: 01/30/25 09:53
Matrix: Water
Date Received: 01/31/25 10:27

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	<0.50		0.50		ug/L			02/06/25 13:56	1
Chloroethane	<0.50		0.50		ug/L			02/06/25 13:56	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			02/06/25 13:56	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			02/06/25 13:56	1
cis 1,2 Dichloroethylene	<0.50		0.50		ug/L			02/06/25 13:56	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			02/06/25 13:56	1
Dibromomethane	<0.50		0.50		ug/L			02/06/25 13:56	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			02/06/25 13:56	1
Dichloromethane	<0.50		0.50		ug/L			02/06/25 13:56	1
Diisopropyl ether	<0.50		0.50		ug/L			02/06/25 13:56	1
Ethylbenzene	<0.50		0.50		ug/L			02/06/25 13:56	1
Hexachlorobutadiene	<0.25		0.25		ug/L			02/06/25 13:56	1
Isopropylbenzene	<0.25		0.25		ug/L			02/06/25 13:56	1
m,p-Xylenes	<0.50		0.50		ug/L			02/06/25 13:56	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			02/06/25 13:56	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			02/06/25 13:56	1
Naphthalene	<0.50		0.50		ug/L			02/06/25 13:56	1
n-Butylbenzene	<0.50		0.50		ug/L			02/06/25 13:56	1
N-Propylbenzene	<0.50		0.50		ug/L			02/06/25 13:56	1
o-Chlorotoluene	<0.50		0.50		ug/L			02/06/25 13:56	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			02/06/25 13:56	1
o-Xylene	<0.50		0.50		ug/L			02/06/25 13:56	1
p-Chlorotoluene	<0.50		0.50		ug/L			02/06/25 13:56	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			02/06/25 13:56	1
p-Isopropyltoluene	<0.50		0.50		ug/L			02/06/25 13:56	1
sec-Butylbenzene	<0.50		0.50		ug/L			02/06/25 13:56	1
Styrene	<0.50		0.50		ug/L			02/06/25 13:56	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			02/06/25 13:56	1
Tert-butyl ethyl ether	<2.0		2.0		ug/L			02/06/25 13:56	1
tert-Butylbenzene	<0.50		0.50		ug/L			02/06/25 13:56	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			02/06/25 13:56	1
Toluene	<0.50		0.50		ug/L			02/06/25 13:56	1
Xylenes, Total	<0.50		0.50		ug/L			02/06/25 13:56	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			02/06/25 13:56	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			02/06/25 13:56	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			02/06/25 13:56	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			02/06/25 13:56	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			02/06/25 13:56	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			02/06/25 13:56	1
Vinyl Chloride (VC)	<0.20		0.20		ug/L			02/06/25 13:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*02/06/25 13:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*02/06/25 13:56*	*1*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*		*02/06/25 13:56*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*02/06/25 13:56*	*1*

Client Sample ID: TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)

Lab Sample ID: 380-133154-4

Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Matrix: Water

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			02/07/25 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*		*02/07/25 21:25*	*1*

Method: EPA-DW2 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020		ug/L		02/01/25 14:00	02/02/25 02:32	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010		ug/L		02/01/25 14:00	02/02/25 02:32	1
1,2-Dibromoethane	<0.010		0.010		ug/L		02/01/25 14:00	02/02/25 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane (Surr)	*95*		*60 - 140*	*02/01/25 14:00*	*02/02/25 02:32*	*1*

Action Limit Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Client Sample ID: Ka'amilo Wells

Lab Sample ID: 380-133154-1

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	HI Org Limit	EPAMCL Limit	EPAMCLS Limit	Method	Prep Type
Trihalomethanes, Total	<0.50		ug/L		80		524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200		524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,1-Dichlorethylene	<0.50		ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70		524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,2-Dichloropropane	<0.25		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5		524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5		524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100		524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70		524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5		524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700		524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600		524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75		524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100		524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000		524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000		524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100		524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Vinyl Chloride (VC)	<0.20		ug/L	2.000	2		524.2	Total/NA
Alachlor	<0.049		ug/L		2		525.2	Total/NA
Atrazine	<0.049		ug/L		3		525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L		0.2		525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L		6		525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L		400		525.2	Total/NA
Endrin	<0.0098		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0098		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0098		ug/L		0.4		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.011		ug/L		0.2		525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L		1		525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L		50		525.2	Total/NA
Methoxychlor	<0.049		ug/L		40		525.2	Total/NA
Simazine	<0.049		ug/L		4		525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L		0.2		625.1 SIM	Total/NA
Pentachlorophenol	<0.96		ug/L		1		625.1 SIM	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000			504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.0099		ug/L		0.2		504.1	Total/NA
1,2-Dibromoethane	<0.0099		ug/L		0.05		504.1	Total/NA
Toxaphene	<0.50		ug/L		3		505	Total/NA
Chlordane (n.o.s.)	0.26		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.10		ug/L		0.5		505	Total/NA
Chloride	130	^2	mg/L			250	300.0	Total/NA
Nitrate as N	1.7		mg/L		10		300.0	Total/NA
Nitrite as N	<0.25		mg/L		1		300.0	Total/NA
Sulfate	30		mg/L			250	300.0	Total/NA

Eurofins Eaton Analytical Pomona

Client Sample ID: Ka'amilo Wells (Continued) — Lab Sample ID: 380-133154-1

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	HI Org Limit	EPAMCL Limit	EPAMCLS Limit	Method	Prep Type
Antimony	<1.0		ug/L		6		200.8	Total/NA
Arsenic	<1.0		ug/L		10		200.8	Total/NA
Beryllium	<0.30		ug/L		4		200.8	Total/NA
Cadmium	<0.50		ug/L		5		200.8	Total/NA
Chromium	1.6		ug/L		100		200.8	Total/NA
Copper	67		ug/L			1000	200.8	Total/NA
Lead	<0.50		ug/L		15.000		200.8	Total/NA
Selenium	3.7		ug/L		50		200.8	Total/NA
Silver	<0.50		ug/L			100	200.8	Total/NA
Thallium	<0.30		ug/L		2		200.8	Total/NA
Zinc	<20		ug/L			5000	200.8	Total/NA
Mercury	<0.20		ug/L		2		245.1	Total/NA
Total Dissolved Solids	360		mg/L			500	SM 2540C	Total/NA
Fluoride	0.065		mg/L		4	2	SM 4500 F C	Total/NA
pH	7.8	HF	SU			6.5	SM 4500 H+ B	Total/NA

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) — Lab Sample ID: 380-133154-2

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	HI Org Limit	EPAMCL Limit	EPAMCLS Limit	Method	Prep Type
Trihalomethanes, Total	<0.50		ug/L		80		524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200		524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,1-Dichlorethylene	<0.50		ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70		524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,2-Dichloropropane	<0.25		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5		524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5		524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100		524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70		524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5		524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700		524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600		524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75		524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100		524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000		524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000		524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100		524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Vinyl Chloride (VC)	<0.20		ug/L	2.000	2		524.2	Total/NA

Action Limit Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) (Continued)

Lab Sample ID: 380-133154-2

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	HI Org Limit	EPAMCL Limit	EPAMCLS Limit	Method	Prep Type
Alachlor	<0.049		ug/L		2		525.2	Total/NA
Atrazine	<0.049		ug/L		3		525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L		0.2		525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L		6		525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L		400		525.2	Total/NA
Endrin	<0.0097		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0097		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0097		ug/L		0.4		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		ug/L		0.2		525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L		1		525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L		50		525.2	Total/NA
Methoxychlor	<0.049		ug/L		40		525.2	Total/NA
Simazine	<0.049		ug/L		4		525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L		0.2		625.1 SIM	Total/NA
Pentachlorophenol	<0.96		ug/L		1		625.1 SIM	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000			504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.0099		ug/L		0.2		504.1	Total/NA
1,2-Dibromoethane	<0.0099		ug/L		0.05		504.1	Total/NA
Toxaphene	<0.50		ug/L		3		505	Total/NA
Chlordane (n.o.s.)	0.27		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.10		ug/L		0.5		505	Total/NA
Chloride	200	^2	mg/L			250	300.0	Total/NA
Nitrate as N	1.7		mg/L		10		300.0	Total/NA
Nitrite as N	<0.25		mg/L		1		300.0	Total/NA
Sulfate	45		mg/L			250	300.0	Total/NA
Antimony	<1.0		ug/L		6		200.8	Total/NA
Arsenic	<1.0		ug/L		10		200.8	Total/NA
Beryllium	<0.30		ug/L		4		200.8	Total/NA
Cadmium	<0.50		ug/L		5		200.8	Total/NA
Chromium	2.6		ug/L		100		200.8	Total/NA
Copper	<1.0		ug/L			1000	200.8	Total/NA
Lead	<0.50		ug/L		15.000		200.8	Total/NA
Selenium	4.0		ug/L		50		200.8	Total/NA
Silver	<0.50		ug/L			100	200.8	Total/NA
Thallium	<0.30		ug/L		2		200.8	Total/NA
Zinc	<20		ug/L			5000	200.8	Total/NA
Mercury	<0.20		ug/L		2		245.1	Total/NA
Total Dissolved Solids	**540**		mg/L			**500**	SM 2540C	Total/NA
Fluoride	0.058		mg/L		4	2	SM 4500 F C	Total/NA
pH	7.8	HF	SU			6.5	SM 4500 H+ B	Total/NA

Action Limit Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Client Sample ID: TB: Ka'amilo Wells — Lab Sample ID: 380-133154-3

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	HI Org Limit	EPAMCL Limit	RL	Method	Prep Type
Trihalomethanes, Total	<0.50		ug/L		80	0.50	524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200	0.50	524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,1-Dichlorethylene	<0.50		ug/L	7.000	7	0.50	524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000		0.50	524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,2-Dichloropropane	<0.25		ug/L	5.000	5	0.25	524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700	0.50	524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600	0.50	524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75	0.50	524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000	0.50	524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000	0.50	524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Vinyl Chloride (VC)	<0.20		ug/L	2.000	2	0.20	524.2	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000		0.020	504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.010		ug/L		0.2	0.010	504.1	Total/NA
1,2-Dibromoethane	<0.010		ug/L		0.05	0.010	504.1	Total/NA

Client Sample ID: TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) — Lab Sample ID: 380-133154-4

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	HI Org Limit	EPAMCL Limit	RL	Method	Prep Type
Trihalomethanes, Total	<0.50		ug/L		80	0.50	524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200	0.50	524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,1-Dichlorethylene	<0.50		ug/L	7.000	7	0.50	524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000		0.50	524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,2-Dichloropropane	<0.25		ug/L	5.000	5	0.25	524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA

Action Limit Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Client Sample ID: TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) (Continued)

Lab Sample ID: 380-133154-4

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	HI Org Limit	EPAMCL Limit	RL	Method	Prep Type
Dichloromethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700	0.50	524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600	0.50	524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75	0.50	524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000	0.50	524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000	0.50	524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Vinyl Chloride (VC)	<0.20		ug/L	2.000	2	0.20	524.2	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000		0.020	504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.010		ug/L		0.2	0.010	504.1	Total/NA
1,2-Dibromoethane	<0.010		ug/L		0.05	0.010	504.1	Total/NA

Surrogate Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Method: 524.2 - Volatile Organic Compounds (GC/MS SIM)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DCA
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-133154-2	HALAWA WELLS UNITS 1 & 2 F	100	109	95

Surrogate Legend

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

Method: 524.2 - Volatile Organic Compounds (GC/MS SIM)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DCA
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-133154-1	Ka'amilo Wells	99	104	97
380-133154-3	TB: Ka'amilo Wells	97	107	94
380-133154-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)	98	100	94
LCS 380-133015/8	Lab Control Sample	101	105	98
LCSD 380-133015/9	Lab Control Sample Dup	101	106	100
MB 380-133015/11	Method Blank	99	104	98

Surrogate Legend

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

Method: 524.2 - Volatile Organic Compounds (GC/MS SIM)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	BFB	DCA
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)
MRL 380-133015/10	Lab Control Sample	98	98	98

Surrogate Legend

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

Method: 524.2 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-133154-2	HALAWA WELLS UNITS 1 & 2 F	105	86	95
380-133154-2 MS	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	101	104	96

Surrogate Legend

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

Surrogate Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Method: 524.2 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-133154-1	Ka'amilo Wells	107	87	96
380-133154-1 DU	Ka'amilo Wells	104	87	96
380-133154-3	TB: Ka'amilo Wells	100	88	94
380-133154-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)	105	89	96
MB 810-132049/7	Method Blank	107	93	97

Surrogate Legend

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

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-133154-2	HALAWA WELLS UNITS 1 & 2 F	97	95	96
380-133154-2 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	99	98	102

Surrogate Legend

2NMX = 2-Nitro-m-xylene
PRY = Perylene-d12
TPP = Triphenylphosphate

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-133154-1	Ka'amilo Wells	98	96	97
380-133154-1 MS	Ka'amilo Wells	98	100	102
LCS 380-132045/23-A	Lab Control Sample	97	98	105
MB 380-132045/21-A	Method Blank	99	98	98
MRL 380-132045/22-A	Lab Control Sample	97	95	102

Surrogate Legend

2NMX = 2-Nitro-m-xylene
PRY = Perylene-d12
TPP = Triphenylphosphate

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)
380-133154-2	HALAWA WELLS UNITS 1 & 2 F	66	69	43	71	27	78

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)
380-133154-1	Ka'amilo Wells	66	62	44	65	29	81
MB 570-529323/1-A	Method Blank	71	60	42	62	28	94

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)
380-133154-2	HALAWA WELLS UNITS 1 & 2 F	70	66	43	67	28	74

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)
380-133140-A-1-B MS	Matrix Spike	86	83	61	71	45	99
380-133140-A-1-C MSD	Matrix Spike Duplicate	79	76	62	68	43	100
380-133154-1	Ka'amilo Wells	67	65	38	61	25	73
LCS 570-529323/2-A	Lab Control Sample	76	72	56	61	42	81
LCSD 570-529323/3-A	Lab Control Sample Dup	87	80	67	71	48	105
MB 570-529323/1-A	Method Blank	65	61	39	56	26	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)

Surrogate Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

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)
380-133154-2	HALAWA WELLS UNITS 1 & 2 F	88

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)
380-133140-C-1 MS	Matrix Spike	94
380-133140-C-1 MSD	Matrix Spike Duplicate	94
380-133154-1	Ka'amilo Wells	87
380-133154-3	TB: Ka'amilo Wells	88
380-133154-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)	87
LCS 570-531277/3	Lab Control Sample	93
LCSD 570-531277/4	Lab Control Sample Dup	97
MB 570-531277/5	Method Blank	90
MRL 570-531277/8	Lab Control Sample	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		DBPP1
Lab Sample ID	Client Sample ID	(60-140)
380-133154-2	HALAWA WELLS UNITS 1 & 2 F	96

Surrogate Legend

DBPP = 1,2-Dibromopropane (Surr)

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		DBPP1
Lab Sample ID	Client Sample ID	(60-140)
380-132242-G-5-A MS	Matrix Spike	101
380-132242-G-6-A DU	Duplicate	100
380-133154-1	Ka'amilo Wells	103
380-133154-3	TB: Ka'amilo Wells	99
380-133154-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)	95
LCS 380-131967/29-A	Lab Control Sample	97
MBL 380-131967/4-A	Method Blank	99
MRL 380-131967/2-A	Lab Control Sample	98
MRL 380-131967/3-A	Lab Control Sample	94

Surrogate Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Surrogate Legend

DBPP = 1,2-Dibromopropane (Surr)

Method: 505 - Organochlorine Pesticides/PCBs (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**TCX1 (70-130)**
380-133154-2	HALAWA WELLS UNITS 1 & 2 F	90

Surrogate Legend

TCX = Tetrachloro-m-xylene

Method: 505 - Organochlorine Pesticides/PCBs (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**TCX1 (70-130)**
380-132938-B-1-A MS	Matrix Spike	89
380-132938-C-1-A MS	Matrix Spike	79
380-133154-1	Ka'amilo Wells	90
380-133169-M-1-A MS	Matrix Spike	86
380-133169-N-1-A MS	Matrix Spike	93
LCS 380-132204/28-A	Lab Control Sample	95
LCS 380-132204/30-A	Lab Control Sample	92
LCS 380-132204/31-A	Lab Control Sample	91
LCSD 380-132204/29-A	Lab Control Sample Dup	93
MB 380-132204/3-A	Method Blank	94
MRL 380-132204/1-A	Lab Control Sample	93
MRL 380-132204/2-A	Lab Control Sample	87

Surrogate Legend

TCX = Tetrachloro-m-xylene

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**HF2PP1 (54-120)**
380-133154-2	HALAWA WELLS UNITS 1 & 2 F	99

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**HF2PP1 (54-120)**
380-133154-1	Ka'amilo Wells	96
380-133154-1 MS	Ka'amilo Wells	95
380-133154-1 MSD	Ka'amilo Wells	95
LCS 570-531601/12	Lab Control Sample	97
LCSD 570-531601/13	Lab Control Sample Dup	101
MB 570-531601/11	Method Blank	96

Surrogate Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	**Client Sample ID**	**HF2PP1 (54-120)**								
MRL 570-531601/14	Lab Control Sample	122								

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 810-132049/7
Matrix: Water
Analysis Batch: 132049

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	<0.50		0.50		ug/L			02/06/25 11:53	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			02/06/25 11:53	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			02/06/25 11:53	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			02/06/25 11:53	1
1,1-Dichloroethane	<0.50		0.50		ug/L			02/06/25 11:53	1
1,1-Dichlorethylene	<0.50		0.50		ug/L			02/06/25 11:53	1
1,1-Dichloropropene	<0.50		0.50		ug/L			02/06/25 11:53	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			02/06/25 11:53	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			02/06/25 11:53	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			02/06/25 11:53	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			02/06/25 11:53	1
1,2-Dichloroethane	<0.50		0.50		ug/L			02/06/25 11:53	1
1,2-Dichloropropane	<0.25		0.25		ug/L			02/06/25 11:53	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			02/06/25 11:53	1
1,3-Dichloropropane	<0.50		0.50		ug/L			02/06/25 11:53	1
2,2-Dichloropropane	<0.50		0.50		ug/L			02/06/25 11:53	1
2-Butanone (MEK)	<5.0		5.0		ug/L			02/06/25 11:53	1
4-Methyl-2-pentanone (MIBK)	<2.0		2.0		ug/L			02/06/25 11:53	1
Acetone	<500		500		ug/L			02/06/25 11:53	1
Benzene	<0.50		0.50		ug/L			02/06/25 11:53	1
Bromobenzene	<0.50		0.50		ug/L			02/06/25 11:53	1
Bromochloromethane	<0.50		0.50		ug/L			02/06/25 11:53	1
Bromodichloromethane	<0.50		0.50		ug/L			02/06/25 11:53	1
Bromoethane	<0.50		0.50		ug/L			02/06/25 11:53	1
Bromoform	<0.50		0.50		ug/L			02/06/25 11:53	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			02/06/25 11:53	1
Carbon disulfide	<0.50		0.50		ug/L			02/06/25 11:53	1
Carbon tetrachloride	<0.50		0.50		ug/L			02/06/25 11:53	1
Chlorobenzene	<0.50		0.50		ug/L			02/06/25 11:53	1
Chlorodibromomethane	<0.50		0.50		ug/L			02/06/25 11:53	1
Chloroethane	<0.50		0.50		ug/L			02/06/25 11:53	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			02/06/25 11:53	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			02/06/25 11:53	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			02/06/25 11:53	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			02/06/25 11:53	1
Dibromomethane	<0.50		0.50		ug/L			02/06/25 11:53	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			02/06/25 11:53	1
Dichloromethane	<0.50		0.50		ug/L			02/06/25 11:53	1
Diisopropyl ether	<0.50		0.50		ug/L			02/06/25 11:53	1
Ethylbenzene	<0.50		0.50		ug/L			02/06/25 11:53	1
Hexachlorobutadiene	<0.25		0.25		ug/L			02/06/25 11:53	1
Isopropylbenzene	<0.25		0.25		ug/L			02/06/25 11:53	1
m,p-Xylenes	<0.50		0.50		ug/L			02/06/25 11:53	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			02/06/25 11:53	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			02/06/25 11:53	1
Naphthalene	<0.50		0.50		ug/L			02/06/25 11:53	1
n-Butylbenzene	<0.50		0.50		ug/L			02/06/25 11:53	1
N-Propylbenzene	<0.50		0.50		ug/L			02/06/25 11:53	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 810-132049/7
Matrix: Water
Analysis Batch: 132049

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	<0.50		0.50		ug/L			02/06/25 11:53	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			02/06/25 11:53	1
o-Xylene	<0.50		0.50		ug/L			02/06/25 11:53	1
p-Chlorotoluene	<0.50		0.50		ug/L			02/06/25 11:53	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			02/06/25 11:53	1
p-Isopropyltoluene	<0.50		0.50		ug/L			02/06/25 11:53	1
sec-Butylbenzene	<0.50		0.50		ug/L			02/06/25 11:53	1
Styrene	<0.50		0.50		ug/L			02/06/25 11:53	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			02/06/25 11:53	1
Tert-butyl ethyl ether	<2.0		2.0		ug/L			02/06/25 11:53	1
tert-Butylbenzene	<0.50		0.50		ug/L			02/06/25 11:53	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			02/06/25 11:53	1
Toluene	<0.50		0.50		ug/L			02/06/25 11:53	1
Xylenes, Total	<0.50		0.50		ug/L			02/06/25 11:53	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			02/06/25 11:53	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			02/06/25 11:53	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			02/06/25 11:53	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			02/06/25 11:53	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			02/06/25 11:53	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			02/06/25 11:53	1
Vinyl Chloride (VC)	<0.20		0.20		ug/L			02/06/25 11:53	1

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*		*02/06/25 11:53*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*02/06/25 11:53*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*02/06/25 11:53*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/06/25 11:53*	*1*

Lab Sample ID: 380-133154-2 MS
Matrix: Drinking Water
Analysis Batch: 132049

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<0.50		10.0	11.3		ug/L		113	70 - 130		
1,1,1-Trichloroethane	<0.50		10.0	12.2		ug/L		122	70 - 130		
1,1,2,2-Tetrachloroethane	<0.50		10.0	10.7		ug/L		107	70 - 130		
1,1,2-Trichloroethane	<0.50		10.0	11.1		ug/L		111	70 - 130		
1,1-Dichloroethane	<0.50		10.0	11.9		ug/L		119	70 - 130		
1,1-Dichlorethylene	<0.50		10.0	12.3		ug/L		123	70 - 130		
1,1-Dichloropropene	<0.50		10.0	11.9		ug/L		119	70 - 130		
1,2,3-Trichlorobenzene	<0.50		10.0	11.7		ug/L		117	70 - 130		
1,2,3-Trichloropropane	<0.50		10.0	10.8		ug/L		108	70 - 130		
1,2,4-Trichlorobenzene	<0.50		10.0	10.9		ug/L		109	70 - 130		
1,2,4-Trimethylbenzene	<0.50		10.0	11.7		ug/L		117	70 - 130		
1,2-Dichloroethane	<0.50		10.0	11.1		ug/L		111	70 - 130		
1,2-Dichloropropane	<0.25		10.0	11.1		ug/L		111	70 - 130		

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 380-133154-2 MS
Matrix: Drinking Water
Analysis Batch: 132049

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trimethylbenzene	<0.50		10.0	11.2		ug/L		112	70 - 130
1,3-Dichloropropane	<0.50		10.0	10.8		ug/L		108	70 - 130
2,2-Dichloropropane	<0.50		10.0	12.4		ug/L		124	70 - 130
2-Butanone (MEK)	<5.0		10.0	10.9		ug/L		109	70 - 130
4-Methyl-2-pentanone (MIBK)	<2.0		10.0	10.3		ug/L		103	70 - 130
Acetone	<500	F1	10.0	<500	F1	ug/L		136	70 - 130
Benzene	<0.50		10.0	11.0		ug/L		110	70 - 130
Bromobenzene	<0.50		10.0	11.1		ug/L		111	70 - 130
Bromochloromethane	<0.50		10.0	11.4		ug/L		114	70 - 130
Bromodichloromethane	<0.50		10.0	10.9		ug/L		109	70 - 130
Bromoethane	<0.50		10.0	12.0		ug/L		120	70 - 130
Bromoform	<0.50		10.0	9.09		ug/L		91	70 - 130
Bromomethane (Methyl Bromide)	<0.50		10.0	11.9		ug/L		119	70 - 130
Carbon disulfide	<0.50		10.0	12.8		ug/L		128	70 - 130
Carbon tetrachloride	<0.50		10.0	11.9		ug/L		119	70 - 130
Chlorobenzene	<0.50		10.0	10.6		ug/L		106	70 - 130
Chlorodibromomethane	<0.50		10.0	10.3		ug/L		103	70 - 130
cis-1,3-Dichloropropene	<0.50		10.0	10.6		ug/L		106	70 - 130
Dichloromethane	<0.50		10.0	11.5		ug/L		115	70 - 130
Diisopropyl ether	<0.50		10.0	11.3		ug/L		113	70 - 130
Ethylbenzene	<0.50		10.0	10.3		ug/L		103	70 - 130
Hexachlorobutadiene	<0.25		10.0	12.7		ug/L		127	70 - 130
Isopropylbenzene	<0.25		10.0	11.4		ug/L		114	70 - 130
m,p-Xylenes	<0.50		20.0	22.4		ug/L		112	70 - 130
m-Dichlorobenzene (1,3-DCB)	<0.50		10.0	11.6		ug/L		116	70 - 130
Methyl-tert-butyl Ether (MTBE)	<0.50		10.0	10.9		ug/L		109	70 - 130
Naphthalene	<0.50		10.0	12.1		ug/L		121	70 - 130
n-Butylbenzene	<0.50	F1	10.0	13.2	F1	ug/L		132	70 - 130
N-Propylbenzene	<0.50		10.0	11.6		ug/L		116	70 - 130
o-Chlorotoluene	<0.50		10.0	11.3		ug/L		113	70 - 130
o-Dichlorobenzene (1,2-DCB)	<0.50		10.0	11.4		ug/L		114	70 - 130
o-Xylene	<0.50		10.0	10.7		ug/L		107	70 - 130
p-Chlorotoluene	<0.50		10.0	11.4		ug/L		114	70 - 130
p-Dichlorobenzene (1,4-DCB)	<0.50		10.0	11.7		ug/L		117	70 - 130
p-Isopropyltoluene	<0.50		10.0	12.4		ug/L		124	70 - 130
sec-Butylbenzene	<0.50		10.0	12.3		ug/L		123	70 - 130
Styrene	<0.50		10.0	10.8		ug/L		108	70 - 130
Tert-amyl methyl ether	<3.0		10.0	10.4		ug/L		104	70 - 130
Tert-butyl ethyl ether	<2.0		10.0	11.5		ug/L		115	70 - 130
tert-Butylbenzene	<0.50		10.0	11.2		ug/L		112	70 - 130
Tetrachloroethene (PCE)	<0.50		10.0	11.7		ug/L		117	70 - 130
Toluene	<0.50		10.0	10.6		ug/L		106	70 - 130
Xylenes, Total	<0.50		30.0	33.1		ug/L		110	70 - 130
1,3-Dichloropropene, Total	<0.50		20.0	21.0		ug/L		105	70 - 130
trans-1,2-Dichloroethylene	<0.50		10.0	12.1		ug/L		121	70 - 130
trans-1,3-Dichloropropene	<0.50		10.0	10.4		ug/L		104	70 - 130
Trichloroethylene (TCE)	<0.50		10.0	11.4		ug/L		114	70 - 130
Trichlorofluoromethane (Freon 11)	<0.50		10.0	12.2		ug/L		122	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 380-133154-2 MS
Matrix: Drinking Water
Analysis Batch: 132049

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Trichlorotrifluoroethane	<0.50		10.0	12.6		ug/L		126	70 - 130
Vinyl Chloride (VC)	<0.20		10.0	12.3		ug/L		123	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: 380-133154-1 DU
Matrix: Water
Analysis Batch: 132049

Client Sample ID: Ka'amilo Wells
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.50		<0.50		ug/L		NC	20
1,1,1-Trichloroethane	<0.50		<0.50		ug/L		NC	20
1,1,2,2-Tetrachloroethane	<0.50		<0.50		ug/L		NC	20
1,1,2-Trichloroethane	<0.50		<0.50		ug/L		NC	20
1,1-Dichloroethane	<0.50		<0.50		ug/L		NC	20
1,1-Dichlorethylene	<0.50		<0.50		ug/L		NC	20
1,1-Dichloropropene	<0.50		<0.50		ug/L		NC	20
1,2,3-Trichlorobenzene	<0.50		<0.50		ug/L		NC	20
1,2,3-Trichloropropane	<0.50		<0.50		ug/L		NC	20
1,2,4-Trichlorobenzene	<0.50		<0.50		ug/L		NC	20
1,2,4-Trimethylbenzene	<0.50		<0.50		ug/L		NC	20
1,2-Dichloroethane	<0.50		<0.50		ug/L		NC	20
1,2-Dichloropropane	<0.25		<0.25		ug/L		NC	20
1,3,5-Trimethylbenzene	<0.50		<0.50		ug/L		NC	20
1,3-Dichloropropane	<0.50		<0.50		ug/L		NC	20
2,2-Dichloropropane	<0.50		<0.50		ug/L		NC	20
2-Butanone (MEK)	<5.0		<5.0		ug/L		NC	20
4-Methyl-2-pentanone (MIBK)	<2.0		<2.0		ug/L		NC	20
Acetone	<500		<500		ug/L		NC	20
Benzene	<0.50		<0.50		ug/L		NC	20
Bromobenzene	<0.50		<0.50		ug/L		NC	20
Bromochloromethane	<0.50		<0.50		ug/L		NC	20
Bromodichloromethane	<0.50		<0.50		ug/L		NC	20
Bromoethane	<0.50		<0.50		ug/L		NC	20
Bromoform	<0.50		<0.50		ug/L		NC	20
Bromomethane (Methyl Bromide)	<0.50		<0.50		ug/L		NC	20
Carbon disulfide	<0.50		<0.50		ug/L		NC	20
Carbon tetrachloride	<0.50		<0.50		ug/L		NC	20
Chlorobenzene	<0.50		<0.50		ug/L		NC	20
Chlorodibromomethane	<0.50		<0.50		ug/L		NC	20
Chloroethane	<0.50		<0.50		ug/L		NC	20
Chloroform (Trichloromethane)	<0.50		<0.50		ug/L		NC	20
Chloromethane (methyl chloride)	<0.50		<0.50		ug/L		NC	20
cis-1,2-Dichloroethylene	<0.50		<0.50		ug/L		NC	20
cis-1,3-Dichloropropene	<0.50		<0.50		ug/L		NC	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 380-133154-1 DU
Matrix: Water
Analysis Batch: 132049

Client Sample ID: Ka'amilo Wells
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dibromomethane	<0.50			<0.50		ug/L				NC	20
Dichlorodifluoromethane	<0.50			<0.50		ug/L				NC	20
Dichloromethane	<0.50			<0.50		ug/L				NC	20
Diisopropyl ether	<0.50			<0.50		ug/L				NC	20
Ethylbenzene	<0.50			<0.50		ug/L				NC	20
Hexachlorobutadiene	<0.25			<0.25		ug/L				NC	20
Isopropylbenzene	<0.25			<0.25		ug/L				NC	20
m,p-Xylenes	<0.50			<0.50		ug/L				NC	20
m-Dichlorobenzene (1,3-DCB)	<0.50			<0.50		ug/L				NC	20
Methyl-tert-butyl Ether (MTBE)	<0.50			<0.50		ug/L				NC	20
Naphthalene	<0.50			<0.50		ug/L				NC	20
n-Butylbenzene	<0.50			<0.50		ug/L				NC	20
N-Propylbenzene	<0.50			<0.50		ug/L				NC	20
o-Chlorotoluene	<0.50			<0.50		ug/L				NC	20
o-Dichlorobenzene (1,2-DCB)	<0.50			<0.50		ug/L				NC	20
o-Xylene	<0.50			<0.50		ug/L				NC	20
p-Chlorotoluene	<0.50			<0.50		ug/L				NC	20
p-Dichlorobenzene (1,4-DCB)	<0.50			<0.50		ug/L				NC	20
p-Isopropyltoluene	<0.50			<0.50		ug/L				NC	20
sec-Butylbenzene	<0.50			<0.50		ug/L				NC	20
Styrene	<0.50			<0.50		ug/L				NC	20
Tert-amyl methyl ether	<3.0			<3.0		ug/L				NC	20
Tert-butyl ethyl ether	<2.0			<2.0		ug/L				NC	20
tert-Butylbenzene	<0.50			<0.50		ug/L				NC	20
Tetrachloroethene (PCE)	<0.50			<0.50		ug/L				NC	20
Toluene	<0.50			<0.50		ug/L				NC	20
Xylenes, Total	<0.50			<0.50		ug/L				NC	20
1,3-Dichloropropene, Total	<0.50			<0.50		ug/L				NC	20
trans-1,2-Dichloroethylene	<0.50			<0.50		ug/L				NC	20
trans-1,3-Dichloropropene	<0.50			<0.50		ug/L				NC	20
Trichloroethylene (TCE)	<0.50			<0.50		ug/L				NC	20
Trichlorofluoromethane (Freon 11)	<0.50			<0.50		ug/L				NC	20
Trichlorotrifluoroethane	<0.50			<0.50		ug/L				NC	20
Vinyl Chloride (VC)	<0.20			<0.20		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Method: 524.2 - Volatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 380-133015/11
Matrix: Water
Analysis Batch: 133015

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			02/05/25 20:53	1

Method: 524.2 - Volatile Organic Compounds (GC/MS SIM) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		70 - 130		02/05/25 20:53	1
4-Bromofluorobenzene (Surr)	104		70 - 130		02/05/25 20:53	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		02/05/25 20:53	1

Lab Sample ID: LCS 380-133015/8
Matrix: Water
Analysis Batch: 133015

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tertiary Butyl Alcohol (TBA)			5.00	4.69		ug/L		94	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	98		70 - 130

Lab Sample ID: LCSD 380-133015/9
Matrix: Water
Analysis Batch: 133015

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
Tertiary Butyl Alcohol (TBA)			5.00	4.71		ug/L		94	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	100		70 - 130

Lab Sample ID: MRL 380-133015/10
Matrix: Water
Analysis Batch: 133015

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Tertiary Butyl Alcohol (TBA)			2.00	1.92	J	ug/L		96	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
Toluene-d8 (Surr)	98		50 - 150
4-Bromofluorobenzene (Surr)	98		50 - 150
1,2-Dichloroethane-d4 (Surr)	98		50 - 150

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 380-132045/21-A
Matrix: Water
Analysis Batch: 132255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132045

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
2,4'-DDE	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
2,4'-DDT	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 380-132045/21-A
Matrix: Water
Analysis Batch: 132255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132045

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
4,4'-DDD	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
4,4'-DDE	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
4,4'-DDT	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Acenaphthene	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Acenaphthylene	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Acetochlor	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Alachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
alpha-BHC	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
alpha-Chlordane	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Anthracene	<0.020		0.020		ug/L		02/02/25 15:45	02/03/25 14:54	1
Atrazine	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Benz(a)anthracene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Benzo[a]pyrene	<0.020		0.020		ug/L		02/02/25 15:45	02/03/25 14:54	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		02/02/25 15:45	02/03/25 14:54	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		02/02/25 15:45	02/03/25 14:54	1
beta-BHC	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		02/02/25 15:45	02/03/25 14:54	1
Aldrin	<0.0099		0.0099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Bromacil	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Butachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Butylbenzylphthalate	<0.49		0.49		ug/L		02/02/25 15:45	02/03/25 14:54	1
Chlorobenzilate	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Chloroneb	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Chlorpyrifos	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Chrysene	<0.020		0.020		ug/L		02/02/25 15:45	02/03/25 14:54	1
delta-BHC	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		02/02/25 15:45	02/03/25 14:54	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Dieldrin	<0.0099		0.0099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Diethylphthalate	<0.49		0.49		ug/L		02/02/25 15:45	02/03/25 14:54	1
Dimethylphthalate	<0.49		0.49		ug/L		02/02/25 15:45	02/03/25 14:54	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		02/02/25 15:45	02/03/25 14:54	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Endosulfan sulfate	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Endrin	<0.0099		0.0099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Endrin aldehyde	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
EPTC	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Fluoranthene	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Fluorene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
gamma-BHC (Lindane)	<0.0099		0.0099		ug/L		02/02/25 15:45	02/03/25 14:54	1
gamma-Chlordane	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Heptachlor	<0.0099		0.0099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		02/02/25 15:45	02/03/25 14:54	1

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 380-132045/21-A
Matrix: Water
Analysis Batch: 132255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132045

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Isophorone	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Malathion	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Methoxychlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Metolachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Molinate	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Naphthalene	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Parathion	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Phenanthrene	<0.039		0.039		ug/L		02/02/25 15:45	02/03/25 14:54	1
Propachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Pyrene	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Simazine	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Terbacil	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Terbuthylazine	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Thiobencarb	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		02/02/25 15:45	02/03/25 14:54	1
trans-Nonachlor	<0.049		0.049		ug/L		02/02/25 15:45	02/03/25 14:54	1
Trifluralin	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
1-Methylnaphthalene	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1
2-Methylnaphthalene	<0.099		0.099		ug/L		02/02/25 15:45	02/03/25 14:54	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	*0.692*	*T J*	*ug/L*		*10.24*	*N/A*	*02/02/25 15:45*	*02/03/25 14:54*	*1*

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	*99*		*70 - 130*	*02/02/25 15:45*	*02/03/25 14:54*	*1*
Perylene-d12	*98*		*70 - 130*	*02/02/25 15:45*	*02/03/25 14:54*	*1*
Triphenylphosphate	*98*		*70 - 130*	*02/02/25 15:45*	*02/03/25 14:54*	*1*

Lab Sample ID: LCS 380-132045/23-A
Matrix: Water
Analysis Batch: 132255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	1.97	2.13		ug/L		108	70 - 130
2,4'-DDE	1.97	2.08		ug/L		106	70 - 130
2,4'-DDT	1.97	2.19		ug/L		111	70 - 130
2,4-Dinitrotoluene	1.97	1.96		ug/L		100	70 - 130
2,6-Dinitrotoluene	1.97	1.94		ug/L		99	70 - 130
4,4'-DDD	1.97	2.17		ug/L		110	70 - 130
4,4'-DDE	1.97	2.12		ug/L		108	70 - 130
4,4'-DDT	1.97	2.25		ug/L		114	70 - 130
Acenaphthene	1.97	1.97		ug/L		100	70 - 130
Acenaphthylene	1.97	2.11		ug/L		107	70 - 130
Acetochlor	1.97	2.20		ug/L		112	70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 380-132045/23-A
Matrix: Water
Analysis Batch: 132255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alachlor	1.97	2.20		ug/L		112	70 - 130
alpha-BHC	1.97	2.05		ug/L		104	70 - 130
alpha-Chlordane	1.97	2.15		ug/L		109	70 - 130
Anthracene	1.97	1.86		ug/L		94	70 - 130
Atrazine	1.97	2.25		ug/L		114	70 - 130
Benz(a)anthracene	1.97	2.00		ug/L		101	70 - 130
Benzo[a]pyrene	1.97	1.87		ug/L		95	70 - 130
Benzo[b]fluoranthene	1.97	2.16		ug/L		110	70 - 130
Benzo[g,h,i]perylene	1.97	2.13		ug/L		108	70 - 130
Benzo[k]fluoranthene	1.97	2.16		ug/L		110	70 - 130
beta-BHC	1.97	2.08		ug/L		106	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.31		ug/L		117	70 - 130
Aldrin	1.97	1.87		ug/L		95	70 - 130
Bromacil	1.97	2.16		ug/L		109	70 - 130
Butachlor	1.97	2.32		ug/L		118	70 - 130
Butylbenzylphthalate	1.97	2.43		ug/L		123	70 - 130
Chlorobenzilate	1.97	1.83		ug/L		93	70 - 130
Chloroneb	1.97	2.11		ug/L		107	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.09		ug/L		106	70 - 130
Chlorpyrifos	1.97	2.25		ug/L		114	70 - 130
Chrysene	1.97	2.04		ug/L		103	70 - 130
delta-BHC	1.97	2.11		ug/L		107	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.19		ug/L		111	70 - 130
Dibenz(a,h)anthracene	1.97	1.98		ug/L		101	70 - 130
Diclorvos (DDVP)	1.97	2.17		ug/L		110	70 - 130
Dieldrin	1.97	2.03		ug/L		103	70 - 130
Diethylphthalate	1.97	2.22		ug/L		113	70 - 130
Dimethylphthalate	1.97	2.18		ug/L		110	70 - 130
Di-n-butyl phthalate	3.94	4.34		ug/L		110	70 - 130
Di-n-octyl phthalate	1.97	1.94		ug/L		98	70 - 130
Endosulfan I (Alpha)	1.97	2.05		ug/L		104	70 - 130
Endosulfan II (Beta)	1.97	2.14		ug/L		109	70 - 130
Endosulfan sulfate	1.97	2.20		ug/L		112	70 - 130
Endrin	1.97	2.01		ug/L		102	70 - 130
Endrin aldehyde	1.97	2.09		ug/L		106	60 - 130
EPTC	1.97	2.12		ug/L		108	70 - 130
Fluoranthene	1.97	2.15		ug/L		109	70 - 130
Fluorene	1.97	2.15		ug/L		109	70 - 130
gamma-BHC (Lindane)	1.97	1.90		ug/L		96	70 - 130
gamma-Chlordane	1.97	2.13		ug/L		108	70 - 130
Heptachlor	1.97	2.03		ug/L		103	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.09		ug/L		106	70 - 130
Hexachlorobenzene	1.97	1.90		ug/L		97	70 - 130
Hexachlorocyclopentadiene	1.97	1.92		ug/L		98	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.23		ug/L		113	70 - 130
Isophorone	1.97	2.02		ug/L		103	70 - 130
Malathion	1.97	2.24		ug/L		113	70 - 130
Methoxychlor	1.97	2.05		ug/L		104	70 - 130
Metolachlor	1.97	2.19		ug/L		111	70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 380-132045/23-A
Matrix: Water
Analysis Batch: 132255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molinate	1.97	2.19		ug/L		111	70 - 130
Naphthalene	1.97	2.01		ug/L		102	70 - 130
Parathion	1.97	2.20		ug/L		112	70 - 130
Pendimethalin (Penoxaline)	1.97	2.03		ug/L		103	70 - 130
Phenanthrene	1.97	1.98		ug/L		100	70 - 130
Propachlor	1.97	2.18		ug/L		110	70 - 130
Pyrene	1.97	2.14		ug/L		109	70 - 130
Simazine	1.97	2.24		ug/L		114	70 - 130
Terbacil	1.97	2.32		ug/L		118	70 - 130
Terbuthylazine	1.97	2.22		ug/L		113	70 - 130
Thiobencarb	1.97	2.27		ug/L		115	70 - 130
trans-Nonachlor	1.97	2.09		ug/L		106	70 - 130
Trifluralin	1.97	1.88		ug/L		96	70 - 130
1-Methylnaphthalene	1.97	2.03		ug/L		103	70 - 130
2-Methylnaphthalene	1.97	2.04		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*98*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

Lab Sample ID: MRL 380-132045/22-A
Matrix: Water
Analysis Batch: 132255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132045

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	0.0985	0.104		ug/L		105	50 - 150
2,4'-DDE	0.0985	0.113		ug/L		115	50 - 150
2,4'-DDT	0.0985	0.115		ug/L		116	50 - 150
2,4-Dinitrotoluene	0.0985	0.120		ug/L		122	50 - 150
2,6-Dinitrotoluene	0.0985	0.110		ug/L		112	50 - 150
4,4'-DDD	0.0985	0.120		ug/L		122	50 - 150
4,4'-DDE	0.0985	0.112		ug/L		114	50 - 150
4,4'-DDT	0.0985	0.107		ug/L		108	50 - 150
Acenaphthene	0.0985	0.104		ug/L		106	50 - 150
Acenaphthylene	0.0985	0.107		ug/L		109	50 - 150
Acetochlor	0.0985	0.121		ug/L		123	50 - 150
Alachlor	0.0492	0.0562		ug/L		114	50 - 150
alpha-BHC	0.0985	0.112		ug/L		113	50 - 150
alpha-Chlordane	0.0246	0.0302	J	ug/L		123	50 - 150
Anthracene	0.0197	0.0235		ug/L		119	50 - 150
Atrazine	0.0492	0.0565		ug/L		115	50 - 150
Benz(a)anthracene	0.0492	0.0552		ug/L		112	50 - 150
Benzo[a]pyrene	0.0197	0.0254		ug/L		129	50 - 150
Benzo[b]fluoranthene	0.0197	0.0210		ug/L		106	50 - 150
Benzo[g,h,i]perylene	0.0492	0.0460	J	ug/L		94	50 - 150
Benzo[k]fluoranthene	0.0197	0.0179	J	ug/L		91	50 - 150
beta-BHC	0.0985	0.122		ug/L		124	50 - 150

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MRL 380-132045/22-A
Matrix: Water
Analysis Batch: 132255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132045

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	0.591	0.655		ug/L		111	50 - 150
Aldrin	0.00985	0.0107		ug/L		108	50 - 150
Bromacil	0.0985	0.115		ug/L		117	50 - 150
Butachlor	0.0492	0.0609		ug/L		124	50 - 150
Butylbenzylphthalate	0.492	0.613		ug/L		124	50 - 150
Chlorobenzilate	0.0985	0.0984		ug/L		100	50 - 150
Chloroneb	0.0985	0.106		ug/L		108	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0985	0.0981		ug/L		100	50 - 150
Chlorpyrifos	0.0492	0.0548		ug/L		111	50 - 150
Chrysene	0.0197	0.0238		ug/L		121	50 - 150
delta-BHC	0.0985	0.127		ug/L		129	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.677		ug/L		115	50 - 150
Dibenz(a,h)anthracene	0.0492	0.0514		ug/L		104	50 - 150
Diclorvos (DDVP)	0.0492	0.0640		ug/L		130	50 - 150
Dieldrin	0.00985	0.0127		ug/L		128	50 - 150
Diethylphthalate	0.492	0.586		ug/L		119	50 - 150
Dimethylphthalate	0.492	0.583		ug/L		118	50 - 150
Di-n-butyl phthalate	0.492	0.596	J	ug/L		121	49 - 243
Di-n-octyl phthalate	0.0985	0.105		ug/L		107	50 - 150
Endosulfan I (Alpha)	0.0985	0.106		ug/L		108	50 - 150
Endosulfan II (Beta)	0.0985	0.128		ug/L		130	50 - 150
Endosulfan sulfate	0.0985	0.112		ug/L		114	50 - 150
Endrin	0.00985	0.0126		ug/L		128	50 - 150
Endrin aldehyde	0.0985	0.114		ug/L		116	50 - 150
EPTC	0.0985	0.104		ug/L		106	50 - 150
Fluoranthene	0.0985	0.110		ug/L		111	50 - 150
Fluorene	0.0492	0.0581		ug/L		118	50 - 150
gamma-BHC (Lindane)	0.00985	0.0119		ug/L		121	50 - 150
gamma-Chlordane	0.0246	0.0250	J	ug/L		102	50 - 150
Heptachlor	0.00985	0.0133		ug/L		135	50 - 150
Heptachlor epoxide (isomer B)	0.00985	0.0125		ug/L		127	50 - 150
Hexachlorobenzene	0.0492	0.0526		ug/L		107	50 - 150
Hexachlorocyclopentadiene	0.0492	0.0461	J	ug/L		94	50 - 150
Indeno[1,2,3-cd]pyrene	0.0492	0.0405	J	ug/L		82	50 - 150
Isophorone	0.0985	0.119		ug/L		121	50 - 150
Malathion	0.0985	0.107		ug/L		109	50 - 150
Methoxychlor	0.0492	0.0603		ug/L		123	50 - 150
Metolachlor	0.0492	0.0631		ug/L		128	50 - 150
Molinate	0.0985	0.118		ug/L		120	50 - 150
Naphthalene	0.0985	0.111		ug/L		113	50 - 150
Parathion	0.0985	0.0884	J	ug/L		90	50 - 150
Pendimethalin (Penoxaline)	0.0985	0.0925	J	ug/L		94	50 - 150
Phenanthrene	0.0394	0.0475		ug/L		121	50 - 150
Propachlor	0.0492	0.0585		ug/L		119	50 - 150
Pyrene	0.0492	0.0536		ug/L		109	50 - 150
Simazine	0.0492	0.0589		ug/L		120	50 - 150
Terbacil	0.0985	0.115		ug/L		116	50 - 150
Terbuthylazine	0.0985	0.113		ug/L		115	50 - 150
Thiobencarb	0.0985	0.113		ug/L		115	50 - 150

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MRL 380-132045/22-A
Matrix: Water
Analysis Batch: 132255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132045

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
trans-Nonachlor			0.0246	0.0301	J	ug/L		122	50 - 150		
Trifluralin			0.0985	0.103		ug/L		104	50 - 150		
1-Methylnaphthalene			0.0985	0.127		ug/L		129	50 - 150		
2-Methylnaphthalene			0.0985	0.117		ug/L		119	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*102*		*70 - 130*

Lab Sample ID: 380-133154-1 MS
Matrix: Water
Analysis Batch: 132255

Client Sample ID: Ka'amilo Wells
Prep Type: Total/NA
Prep Batch: 132045

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4'-DDD	<0.098		1.96	2.10		ug/L		107	70 - 130		
2,4'-DDE	<0.098		1.96	2.02		ug/L		103	70 - 130		
2,4'-DDT	<0.098		1.96	2.08		ug/L		106	70 - 130		
2,4-Dinitrotoluene	<0.098		1.96	1.96		ug/L		100	70 - 130		
2,6-Dinitrotoluene	<0.098		1.96	1.95		ug/L		100	70 - 130		
4,4'-DDD	<0.098		1.96	2.07		ug/L		106	70 - 130		
4,4'-DDE	<0.098		1.96	2.00		ug/L		102	70 - 130		
4,4'-DDT	<0.098		1.96	2.09		ug/L		107	70 - 130		
Acenaphthene	<0.098		1.96	1.93		ug/L		99	70 - 130		
Acenaphthylene	<0.098		1.96	2.06		ug/L		105	70 - 130		
Acetochlor	<0.098		1.96	2.21		ug/L		113	70 - 130		
Alachlor	<0.049		1.96	2.24		ug/L		114	70 - 130		
alpha-BHC	<0.098		1.96	1.97		ug/L		101	70 - 130		
alpha-Chlordane	<0.049		1.96	2.22		ug/L		112	70 - 130		
Anthracene	<0.020	F1	1.96	0.939	F1	ug/L		48	70 - 130		
Atrazine	<0.049		1.96	2.20		ug/L		112	70 - 130		
Benz(a)anthracene	<0.049		1.96	1.71		ug/L		87	70 - 130		
Benzo[a]pyrene	<0.020		1.96	1.48		ug/L		76	70 - 130		
Benzo[b]fluoranthene	<0.020		1.96	2.17		ug/L		111	70 - 130		
Benzo[g,h,i]perylene	<0.049		1.96	2.16		ug/L		110	70 - 130		
Benzo[k]fluoranthene	<0.020		1.96	2.17		ug/L		111	70 - 130		
beta-BHC	<0.098		1.96	2.01		ug/L		103	70 - 130		
Bis(2-ethylhexyl) phthalate	<0.59		1.96	2.04		ug/L		104	70 - 130		
Aldrin	<0.0098		1.96	2.01		ug/L		102	70 - 130		
Bromacil	<0.098		1.96	2.12		ug/L		108	70 - 130		
Butachlor	<0.049		1.96	2.28		ug/L		117	70 - 130		
Butylbenzylphthalate	<0.49		1.96	2.35		ug/L		120	70 - 130		
Chlorobenzilate	<0.098		1.96	1.96		ug/L		100	70 - 130		
Chloroneb	<0.098		1.96	2.05		ug/L		105	70 - 130		
Chlorothalonil (Draconil, Bravo)	<0.098		1.96	2.03		ug/L		104	70 - 130		
Chlorpyrifos	<0.049		1.96	2.17		ug/L		111	70 - 130		
Chrysene	<0.020		1.96	2.01		ug/L		103	70 - 130		
delta-BHC	<0.098		1.96	2.06		ug/L		105	70 - 130		

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 380-133154-1 MS
Matrix: Water
Analysis Batch: 132255

Client Sample ID: Ka'amilo Wells
Prep Type: Total/NA
Prep Batch: 132045

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Di(2-ethylhexyl)adipate	<0.59		1.96	1.98		ug/L		101	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	1.99		ug/L		102	70 - 130
Diclorvos (DDVP)	<0.049		1.96	2.11		ug/L		108	70 - 130
Dieldrin	0.060		1.96	2.10		ug/L		104	70 - 130
Diethylphthalate	<0.49		1.96	2.14		ug/L		110	70 - 130
Dimethylphthalate	<0.49		1.96	2.14		ug/L		109	70 - 130
Di-n-butyl phthalate	<0.98		3.92	4.21		ug/L		107	70 - 130
Di-n-octyl phthalate	<0.098		1.96	1.65		ug/L		84	70 - 130
Endosulfan I (Alpha)	<0.098		1.96	2.15		ug/L		110	70 - 130
Endosulfan II (Beta)	<0.098		1.96	2.12		ug/L		108	70 - 130
Endosulfan sulfate	<0.098		1.96	2.14		ug/L		109	70 - 130
Endrin	<0.0098		1.96	1.97		ug/L		101	70 - 130
Endrin aldehyde	<0.098		1.96	1.91		ug/L		97	60 - 130
EPTC	<0.098		1.96	2.13		ug/L		109	70 - 130
Fluoranthene	<0.098		1.96	2.08		ug/L		106	70 - 130
Fluorene	<0.049		1.96	2.08		ug/L		106	70 - 130
gamma-BHC (Lindane)	<0.0098		1.96	1.84		ug/L		94	70 - 130
gamma-Chlordane	<0.049		1.96	2.17		ug/L		110	70 - 130
Heptachlor	<0.0098		1.96	2.06		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	0.011		1.96	2.13		ug/L		108	70 - 130
Hexachlorobenzene	<0.049		1.96	1.85		ug/L		94	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	1.83		ug/L		93	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	2.21		ug/L		113	70 - 130
Isophorone	<0.098		1.96	2.03		ug/L		103	70 - 130
Malathion	<0.098		1.96	2.20		ug/L		112	70 - 130
Methoxychlor	<0.049		1.96	2.05		ug/L		105	70 - 130
Metolachlor	<0.049		1.96	2.23		ug/L		114	70 - 130
Molinate	<0.098		1.96	2.13		ug/L		109	70 - 130
Naphthalene	<0.098		1.96	2.00		ug/L		102	70 - 130
Parathion	<0.098		1.96	2.15		ug/L		110	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.96	2.02		ug/L		103	70 - 130
Phenanthrene	<0.039		1.96	1.94		ug/L		99	70 - 130
Propachlor	<0.049		1.96	2.16		ug/L		110	70 - 130
Pyrene	<0.049		1.96	2.05		ug/L		105	70 - 130
Simazine	<0.049		1.96	2.09		ug/L		107	70 - 130
Terbacil	<0.098		1.96	2.27		ug/L		116	70 - 130
Terbuthylazine	<0.098		1.96	2.14		ug/L		109	70 - 130
Thiobencarb	<0.098		1.96	2.22		ug/L		113	70 - 130
trans-Nonachlor	<0.049		1.96	2.15		ug/L		109	70 - 130
Trifluralin	<0.098		1.96	1.89		ug/L		97	70 - 130
1-Methylnaphthalene	<0.098		1.96	2.01		ug/L		102	70 - 130
2-Methylnaphthalene	<0.098		1.96	2.02		ug/L		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*100*		*70 - 130*
Triphenylphosphate	*102*		*70 - 130*

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 380-133154-2 DU
Matrix: Drinking Water
Analysis Batch: 132255

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 132045

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
2,4'-DDD	<0.097			<0.098		ug/L				NC	20
2,4'-DDE	<0.097			<0.098		ug/L				NC	20
2,4'-DDT	<0.097			<0.098		ug/L				NC	20
2,4-Dinitrotoluene	<0.097			<0.098		ug/L				NC	20
2,6-Dinitrotoluene	<0.097			<0.098		ug/L				NC	20
4,4'-DDD	<0.097			<0.098		ug/L				NC	20
4,4'-DDE	<0.097			<0.098		ug/L				NC	20
4,4'-DDT	<0.097			<0.098		ug/L				NC	20
Acenaphthene	<0.097			<0.098		ug/L				NC	20
Acenaphthylene	<0.097			<0.098		ug/L				NC	20
Acetochlor	<0.097			<0.098		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.097			<0.098		ug/L				NC	20
alpha-Chlordane	<0.049			<0.049		ug/L				NC	20
Anthracene	<0.019			<0.020		ug/L				NC	20
Atrazine	<0.049			<0.049		ug/L				NC	20
Benz(a)anthracene	<0.049			<0.049		ug/L				NC	20
Benzo[a]pyrene	<0.019			<0.020		ug/L				NC	20
Benzo[b]fluoranthene	<0.019			<0.020		ug/L				NC	20
Benzo[g,h,i]perylene	<0.049			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.019			<0.020		ug/L				NC	20
beta-BHC	<0.097			<0.098		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.58			<0.59		ug/L				NC	20
Aldrin	<0.0097			<0.0098		ug/L				NC	20
Bromacil	<0.097			<0.098		ug/L				NC	20
Butachlor	<0.049			<0.049		ug/L				NC	20
Butylbenzylphthalate	<0.49			<0.49		ug/L				NC	20
Chlorobenzilate	<0.097			<0.098		ug/L				NC	20
Chloroneb	<0.097			<0.098		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.097			<0.098		ug/L				NC	20
Chlorpyrifos	<0.049			<0.049		ug/L				NC	20
Chrysene	<0.019			<0.020		ug/L				NC	20
delta-BHC	<0.097			<0.098		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.58			<0.59		ug/L				NC	20
Dibenz(a,h)anthracene	<0.049			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.049			<0.049		ug/L				NC	20
Dieldrin	0.040			0.0362		ug/L				11	20
Diethylphthalate	<0.49			<0.49		ug/L				NC	20
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.97			<0.98		ug/L				NC	20
Di-n-octyl phthalate	<0.097			<0.098		ug/L				NC	20
Endosulfan I (Alpha)	<0.097			<0.098		ug/L				NC	20
Endosulfan II (Beta)	<0.097			<0.098		ug/L				NC	20
Endosulfan sulfate	<0.097			<0.098		ug/L				NC	20
Endrin	<0.0097			<0.0098		ug/L				NC	20
Endrin aldehyde	<0.097			<0.098		ug/L				NC	20
EPTC	<0.097			<0.098		ug/L				NC	20
Fluoranthene	<0.097			<0.098		ug/L				NC	20

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 380-133154-2 DU
Matrix: Drinking Water
Analysis Batch: 132255

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 132045

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Fluorene	<0.049			<0.049		ug/L				NC	20
gamma-BHC (Lindane)	<0.0097			<0.0098		ug/L				NC	20
gamma-Chlordane	<0.049			<0.049		ug/L				NC	20
Heptachlor	<0.0097			<0.0098		ug/L				NC	20
Heptachlor epoxide (isomer B)	0.014			0.0117		ug/L				16	20
Hexachlorobenzene	<0.049			<0.049		ug/L				NC	20
Hexachlorocyclopentadiene	<0.049			<0.049		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.049			<0.049		ug/L				NC	20
Isophorone	<0.097			<0.098		ug/L				NC	20
Malathion	<0.097			<0.098		ug/L				NC	20
Methoxychlor	<0.049			<0.049		ug/L				NC	20
Metolachlor	<0.049			<0.049		ug/L				NC	20
Molinate	<0.097			<0.098		ug/L				NC	20
Naphthalene	<0.097			<0.098		ug/L				NC	20
Parathion	<0.097			<0.098		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.097			<0.098		ug/L				NC	20
Phenanthrene	<0.039			<0.039		ug/L				NC	20
Propachlor	<0.049			<0.049		ug/L				NC	20
Pyrene	<0.049			<0.049		ug/L				NC	20
Simazine	<0.049			<0.049		ug/L				NC	20
Terbacil	<0.097			<0.098		ug/L				NC	20
Terbuthylazine	<0.097			<0.098		ug/L				NC	20
Thiobencarb	<0.097			<0.098		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.19			<0.20		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.097			<0.098		ug/L				NC	20
1-Methylnaphthalene	<0.097			<0.098		ug/L				NC	20
2-Methylnaphthalene	<0.097			<0.098		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*98*		*70 - 130*
Triphenylphosphate	*102*		*70 - 130*

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

Lab Sample ID: MB 570-529323/1-A
Matrix: Water
Analysis Batch: 532848

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529323

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*	*02/03/25 13:00*	*02/12/25 15:07*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*33 - 139*	*02/03/25 13:00*	*02/12/25 15:07*	*1*
2-Fluorobiphenyl (Surr)	*60*		*33 - 126*	*02/03/25 13:00*	*02/12/25 15:07*	*1*
2-Fluorophenol (Surr)	*42*		*12 - 120*	*02/03/25 13:00*	*02/12/25 15:07*	*1*
Nitrobenzene-d5 (Surr)	*62*		*36 - 120*	*02/03/25 13:00*	*02/12/25 15:07*	*1*

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

Lab Sample ID: MB 570-529323/1-A
Matrix: Water
Analysis Batch: 532848

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529323

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d6 (Surr)	*28*		*10 - 120*	*02/03/25 13:00*	*02/12/25 15:07*	*1*
p-Terphenyl-d14 (Surr)	*94*		*47 - 131*	*02/03/25 13:00*	*02/12/25 15:07*	*1*

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

Lab Sample ID: MB 570-529323/1-A
Matrix: Water
Analysis Batch: 532856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529323

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
2,4,5-Trichlorophenol	<5.0		5.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
2,4,6-Trichlorophenol	<1.0		1.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
2,4-Dichlorophenol	<1.0		1.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
2,4-Dinitrophenol	<5.0		5.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
2,6-Dichlorophenol	<5.0		5.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
2-Chloronaphthalene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
2-Chlorophenol	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
2-Methylnaphthalene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
2-Methylphenol	<1.0		1.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
2-Nitroaniline	<5.0		5.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
2-Nitrophenol	<5.0		5.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
3/4-Methylphenol	<2.0		2.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
3-Nitroaniline	<5.0		5.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
4,6-Dinitro-2-methylphenol	<5.0		5.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
4-Bromophenyl phenyl ether	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
4-Chloro-3-methylphenol	<1.0		1.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
4-Chloroaniline	<5.0		5.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
4-Chlorophenyl phenyl ether	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
4-Nitroaniline	<5.0		5.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
4-Nitrophenol	<5.0		5.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
Acenaphthene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Acenaphthylene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Aniline	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Anthracene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Benzidine	<5.0		5.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
Benzo[a]anthracene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Benzo[a]pyrene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Benzoic acid	<10		10		ug/L		02/03/25 13:00	02/12/25 08:17	1
Benzyl alcohol	<1.0		1.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
Bis(2-chloroethoxy)methane	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Bis(2-chloroethyl)ether	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
bis (2-Chloroisopropyl) ether	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Chrysene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Dibenzofuran	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1

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

Lab Sample ID: MB 570-529323/1-A
Matrix: Water
Analysis Batch: 532856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529323

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Fluorene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Hexachloroethane	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Naphthalene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Nitrobenzene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
N-Nitrosodi-n-propylamine	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
N-Nitrosodiphenylamine	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Pentachlorophenol	<1.0		1.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
Phenanthrene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1
Phenol	<1.0		1.0		ug/L		02/03/25 13:00	02/12/25 08:17	1
Pyrene	<0.20		0.20		ug/L		02/03/25 13:00	02/12/25 08:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*28 - 127*	*02/03/25 13:00*	*02/12/25 08:17*	*1*
2-Fluorobiphenyl (Surr)	*61*		*31 - 120*	*02/03/25 13:00*	*02/12/25 08:17*	*1*
2-Fluorophenol (Surr)	*39*		*17 - 120*	*02/03/25 13:00*	*02/12/25 08:17*	*1*
Nitrobenzene-d5 (Surr)	*56*		*27 - 120*	*02/03/25 13:00*	*02/12/25 08:17*	*1*
Phenol-d6 (Surr)	*26*		*10 - 120*	*02/03/25 13:00*	*02/12/25 08:17*	*1*
p-Terphenyl-d14 (Surr)	*89*		*45 - 120*	*02/03/25 13:00*	*02/12/25 08:17*	*1*

Lab Sample ID: LCS 570-529323/2-A
Matrix: Water
Analysis Batch: 532856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529323

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	13.7		ug/L		68	47 - 120
2,4,5-Trichlorophenol	20.0	19.2		ug/L		96	57 - 120
2,4,6-Trichlorophenol	20.0	18.7		ug/L		93	52 - 129
2,4-Dichlorophenol	20.0	17.8		ug/L		89	53 - 122
2,4-Dinitrophenol	20.0	20.3		ug/L		101	1 - 173
2,6-Dichlorophenol	20.0	16.9		ug/L		84	50 - 120
2-Chloronaphthalene	20.0	15.7		ug/L		79	65 - 120
2-Chlorophenol	20.0	19.8		ug/L		99	36 - 120
2-Methylnaphthalene	20.0	15.3		ug/L		76	43 - 120
2-Methylphenol	20.0	18.8		ug/L		94	46 - 120
2-Nitroaniline	20.0	16.8		ug/L		84	51 - 125
2-Nitrophenol	20.0	15.6		ug/L		78	45 - 167
3/4-Methylphenol	40.0	36.0		ug/L		90	29 - 120
3-Nitroaniline	20.0	17.5		ug/L		88	62 - 129
4,6-Dinitro-2-methylphenol	20.0	19.4		ug/L		97	53 - 130
4-Bromophenyl phenyl ether	20.0	15.0		ug/L		75	65 - 120
4-Chloro-3-methylphenol	20.0	19.2		ug/L		96	41 - 128
4-Chloroaniline	20.0	14.0		ug/L		70	51 - 120
4-Chlorophenyl phenyl ether	20.0	15.9		ug/L		79	38 - 145
4-Nitroaniline	20.0	17.0		ug/L		85	64 - 129
4-Nitrophenol	20.0	11.0		ug/L		55	13 - 129
Acenaphthene	20.0	15.5		ug/L		78	60 - 132

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

Lab Sample ID: LCS 570-529323/2-A
Matrix: Water
Analysis Batch: 532856

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529323

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	20.0	15.0		ug/L		75	54 - 126
Aniline	20.0	14.2		ug/L		71	52 - 121
Anthracene	20.0	15.8		ug/L		79	43 - 120
Benzidine	20.0	<0.94	*-	ug/L		0.7	20 - 164
Benzo[a]anthracene	20.0	16.9		ug/L		85	42 - 133
Benzo[a]pyrene	20.0	16.3		ug/L		81	32 - 148
Benzo[b]fluoranthene	20.0	16.7		ug/L		83	42 - 140
Benzo[g,h,i]perylene	20.0	13.2		ug/L		66	1 - 195
Benzo[k]fluoranthene	20.0	15.9		ug/L		79	25 - 146
Benzoic acid	20.0	8.49	J	ug/L		42	20 - 120
Benzyl alcohol	20.0	16.8		ug/L		84	44 - 122
Bis(2-chloroethoxy)methane	20.0	14.7		ug/L		73	49 - 165
Bis(2-chloroethyl)ether	20.0	16.6		ug/L		83	43 - 126
bis (2-Chloroisopropyl) ether	20.0	15.3		ug/L		77	63 - 139
Chrysene	20.0	15.7		ug/L		79	44 - 140
Dibenz(a,h)anthracene	20.0	14.1		ug/L		71	1 - 200
Dibenzofuran	20.0	16.0		ug/L		80	48 - 120
Fluoranthene	20.0	16.3		ug/L		81	43 - 121
Fluorene	20.0	16.1		ug/L		81	70 - 120
Hexachloroethane	20.0	12.6		ug/L		63	55 - 120
Indeno[1,2,3-cd]pyrene	20.0	14.5		ug/L		73	1 - 151
Naphthalene	20.0	12.5		ug/L		63	36 - 120
Nitrobenzene	20.0	12.5		ug/L		63	54 - 158
N-Nitrosodi-n-propylamine	20.0	16.3		ug/L		82	14 - 198
N-Nitrosodiphenylamine	20.0	18.2		ug/L		91	65 - 133
Pentachlorophenol	20.0	26.1		ug/L		130	38 - 152
Phenanthrene	20.0	16.1		ug/L		80	65 - 120
Phenol	20.0	10.9		ug/L		54	17 - 120
Pyrene	20.0	17.2		ug/L		86	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*28 - 127*
2-Fluorobiphenyl (Surr)	*72*		*31 - 120*
2-Fluorophenol (Surr)	*56*		*17 - 120*
Nitrobenzene-d5 (Surr)	*61*		*27 - 120*
Phenol-d6 (Surr)	*42*		*10 - 120*
p-Terphenyl-d14 (Surr)	*81*		*45 - 120*

Lab Sample ID: LCSD 570-529323/3-A
Matrix: Water
Analysis Batch: 532856

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 529323

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	16.2		ug/L		81	47 - 120	17	20
2,4,5-Trichlorophenol	20.0	22.8		ug/L		114	57 - 120	17	20
2,4,6-Trichlorophenol	20.0	21.9		ug/L		109	52 - 129	16	35
2,4-Dichlorophenol	20.0	20.5		ug/L		103	53 - 122	15	30
2,4-Dinitrophenol	20.0	22.6		ug/L		113	1 - 173	11	79

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

Lab Sample ID: LCSD 570-529323/3-A
Matrix: Water
Analysis Batch: 532856

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 529323

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,6-Dichlorophenol	20.0	19.3		ug/L		96	50 - 120	13	20
2-Chloronaphthalene	20.0	18.4	*1	ug/L		92	65 - 120	16	15
2-Chlorophenol	20.0	24.4	*+	ug/L		122	36 - 120	21	37
2-Methylnaphthalene	20.0	17.4		ug/L		87	43 - 120	13	20
2-Methylphenol	20.0	21.8		ug/L		109	46 - 120	14	20
2-Nitroaniline	20.0	19.4		ug/L		97	51 - 125	15	20
2-Nitrophenol	20.0	18.7		ug/L		93	45 - 167	18	33
3/4-Methylphenol	40.0	42.6		ug/L		107	29 - 120	17	20
3-Nitroaniline	20.0	19.1		ug/L		96	62 - 129	9	20
4,6-Dinitro-2-methylphenol	20.0	22.1		ug/L		111	53 - 130	13	122
4-Bromophenyl phenyl ether	20.0	17.8		ug/L		89	65 - 120	17	26
4-Chloro-3-methylphenol	20.0	21.8		ug/L		109	41 - 128	13	44
4-Chloroaniline	20.0	15.6		ug/L		78	51 - 120	11	20
4-Chlorophenyl phenyl ether	20.0	18.4		ug/L		92	38 - 145	15	36
4-Nitroaniline	20.0	17.6		ug/L		88	64 - 129	4	20
4-Nitrophenol	20.0	11.5		ug/L		57	13 - 129	4	79
Acenaphthene	20.0	17.9		ug/L		89	60 - 132	14	29
Acenaphthylene	20.0	17.4		ug/L		87	54 - 126	15	45
Aniline	20.0	16.6		ug/L		83	52 - 121	16	21
Anthracene	20.0	18.2		ug/L		91	43 - 120	14	40
Benzidine	20.0	<0.94	*- *1	ug/L		0.4	20 - 164	60	30
Benzo[a]anthracene	20.0	19.2		ug/L		96	42 - 133	12	32
Benzo[a]pyrene	20.0	16.1		ug/L		80	32 - 148	1	43
Benzo[b]fluoranthene	20.0	16.2		ug/L		81	42 - 140	3	43
Benzo[g,h,i]perylene	20.0	17.3		ug/L		87	1 - 195	27	61
Benzo[k]fluoranthene	20.0	15.8		ug/L		79	25 - 146	0	38
Benzoic acid	20.0	9.18	J	ug/L		46	20 - 120	8	30
Benzyl alcohol	20.0	19.6		ug/L		98	44 - 122	15	20
Bis(2-chloroethoxy)methane	20.0	17.0		ug/L		85	49 - 165	15	32
Bis(2-chloroethyl)ether	20.0	19.5		ug/L		98	43 - 126	16	65
bis (2-Chloroisopropyl) ether	20.0	18.8		ug/L		94	63 - 139	20	46
Chrysene	20.0	18.0		ug/L		90	44 - 140	14	53
Dibenz(a,h)anthracene	20.0	18.1		ug/L		91	1 - 200	25	75
Dibenzofuran	20.0	18.3		ug/L		91	48 - 120	13	20
Fluoranthene	20.0	17.2		ug/L		86	43 - 121	6	40
Fluorene	20.0	18.5		ug/L		92	70 - 120	13	23
Hexachloroethane	20.0	16.3		ug/L		82	55 - 120	26	32
Indeno[1,2,3-cd]pyrene	20.0	18.4		ug/L		92	1 - 151	24	60
Naphthalene	20.0	15.0		ug/L		75	36 - 120	18	39
Nitrobenzene	20.0	15.3		ug/L		76	54 - 158	20	37
N-Nitrosodi-n-propylamine	20.0	19.5		ug/L		97	14 - 198	18	52
N-Nitrosodiphenylamine	20.0	21.7		ug/L		109	65 - 133	18	20
Pentachlorophenol	20.0	28.9		ug/L		144	38 - 152	10	52
Phenanthrene	20.0	18.8		ug/L		94	65 - 120	16	24
Phenol	20.0	13.0		ug/L		65	17 - 120	18	39
Pyrene	20.0	23.6	*1	ug/L		118	70 - 120	31	30

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

Lab Sample ID: LCSD 570-529323/3-A
Matrix: Water
Analysis Batch: 532856

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 529323

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*28 - 127*
2-Fluorobiphenyl (Surr)	*80*		*31 - 120*
2-Fluorophenol (Surr)	*67*		*17 - 120*
Nitrobenzene-d5 (Surr)	*71*		*27 - 120*
Phenol d6 (Surr)	*48*		*10 - 120*
p-Terphenyl-d14 (Surr)	*105*		*45 - 120*

Lab Sample ID: 380-133140-A-1-B MS
Matrix: Water
Analysis Batch: 532856

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 529323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.1	15.3		ug/L		80	36 - 120
2,4,5-Trichlorophenol	<4.8		19.1	22.1		ug/L		116	21 - 145
2,4,6-Trichlorophenol	<0.96		19.1	20.9		ug/L		109	37 - 144
2,4-Dichlorophenol	<0.96		19.1	19.5		ug/L		102	39 - 135
2,4-Dinitrophenol	<4.8		19.1	20.7		ug/L		108	1 - 191
2,6-Dichlorophenol	<4.8		19.1	18.2		ug/L		95	24 - 134
2-Chloronaphthalene	<0.19	*1	19.1	17.9		ug/L		94	60 - 120
2-Chlorophenol	<0.19	*+	19.1	23.4		ug/L		123	23 - 143
2-Methylnaphthalene	<0.19		19.1	16.8		ug/L		88	32 - 124
2-Methylphenol	<0.96		19.1	20.5		ug/L		107	10 - 135
2-Nitroaniline	<4.8		19.1	18.3		ug/L		96	10 - 147
2-Nitrophenol	<4.8		19.1	17.6		ug/L		92	29 - 182
3/4-Methylphenol	<1.9		38.2	40.5		ug/L		106	10 - 118
3-Nitroaniline	<4.8		19.1	17.6		ug/L		92	10 - 153
4,6-Dinitro-2-methylphenol	<4.8		19.1	20.9		ug/L		109	1 - 181
4-Bromophenyl phenyl ether	<0.19		19.1	17.8		ug/L		93	53 - 127
4-Chloro-3-methylphenol	<0.96		19.1	20.9		ug/L		109	22 - 147
4-Chloroaniline	<4.8		19.1	14.6		ug/L		76	10 - 131
4-Chlorophenyl phenyl ether	<0.19		19.1	17.7		ug/L		93	25 - 158
4-Nitroaniline	<4.8		19.1	15.2		ug/L		79	10 - 180
4-Nitrophenol	<4.8		19.1	9.74		ug/L		51	1 - 132
Acenaphthene	<0.19		19.1	17.5		ug/L		92	47 - 145
Acenaphthylene	<0.19		19.1	17.0		ug/L		89	33 - 145
Aniline	<0.19		19.1	15.8		ug/L		83	10 - 113
Anthracene	<0.19		19.1	17.2		ug/L		90	27 - 133
Benzidine	<4.8	*- *1 F1	19.1	<4.8	F1	ug/L		0	10 - 57
Benzo[a]anthracene	<0.19		19.1	18.2		ug/L		95	33 - 143
Benzo[a]pyrene	<0.19		19.1	17.7		ug/L		93	17 - 163
Benzo[b]fluoranthene	<0.19		19.1	17.4		ug/L		91	24 - 159
Benzo[g,h,i]perylene	<0.19		19.1	17.1		ug/L		89	1 - 219
Benzo[k]fluoranthene	<0.19		19.1	16.9		ug/L		88	11 - 162
Benzoic acid	<9.6		19.1	<9.5		ug/L		42	10 - 97
Benzyl alcohol	<0.96		19.1	18.8		ug/L		98	10 - 122
Bis(2-chloroethoxy)methane	<0.19		19.1	16.4		ug/L		86	33 - 184
Bis(2-chloroethyl)ether	<0.19		19.1	19.2		ug/L		101	12 - 158
bis (2-Chloroisopropyl) ether	<0.19		19.1	18.7		ug/L		98	36 - 166

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

Lab Sample ID: 380-133140-A-1-B MS
Matrix: Water
Analysis Batch: 532856

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 529323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chrysene	<0.19		19.1	16.8		ug/L		88	17 - 168
Dibenz(a,h)anthracene	<0.19		19.1	17.6		ug/L		92	1 - 227
Dibenzofuran	<0.19		19.1	18.3		ug/L		96	42 - 111
Fluoranthene	<0.19		19.1	14.8		ug/L		77	26 - 137
Fluorene	<0.19		19.1	17.7		ug/L		93	59 - 121
Hexachloroethane	<0.19		19.1	15.8		ug/L		83	40 - 120
Indeno[1,2,3-cd]pyrene	<0.19		19.1	18.1		ug/L		95	1 - 171
Naphthalene	<0.19		19.1	14.3		ug/L		75	21 - 133
Nitrobenzene	<0.19		19.1	14.7		ug/L		77	35 - 180
N-Nitrosodi-n-propylamine	<0.19		19.1	19.0		ug/L		99	1 - 230
N-Nitrosodiphenylamine	<0.19		19.1	21.1		ug/L		110	10 - 179
Pentachlorophenol	<0.96		19.1	26.2		ug/L		137	14 - 176
Phenanthrene	<0.19		19.1	17.6		ug/L		92	54 - 120
Phenol	<0.96		19.1	11.8		ug/L		62	5 - 120
Pyrene	<0.19	*1	19.1	21.6		ug/L		113	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*28 - 127*
2-Fluorobiphenyl (Surr)	*83*		*31 - 120*
2-Fluorophenol (Surr)	*61*		*17 - 120*
Nitrobenzene-d5 (Surr)	*71*		*27 - 120*
Phenol-d6 (Surr)	*45*		*10 - 120*
p-Terphenyl-d14 (Surr)	*99*		*45 - 120*

Lab Sample ID: 380-133140-A-1-C MSD
Matrix: Water
Analysis Batch: 532856

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 529323

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.3	13.9		ug/L		72	36 - 120	10	30
2,4,5-Trichlorophenol	<4.8		19.3	20.5		ug/L		106	21 - 145	7	30
2,4,6-Trichlorophenol	<0.96		19.3	19.8		ug/L		103	37 - 144	5	58
2,4-Dichlorophenol	<0.96		19.3	18.7		ug/L		97	39 - 135	4	50
2,4-Dinitrophenol	<4.8		19.3	21.1		ug/L		109	1 - 191	2	132
2,6-Dichlorophenol	<4.8		19.3	17.8		ug/L		92	24 - 134	3	30
2-Chloronaphthalene	<0.19	*1	19.3	16.6		ug/L		86	60 - 120	8	24
2-Chlorophenol	<0.19	*+	19.3	22.1		ug/L		115	23 - 143	6	61
2-Methylnaphthalene	<0.19		19.3	15.7		ug/L		82	32 - 124	6	30
2-Methylphenol	<0.96		19.3	19.8		ug/L		102	10 - 135	4	30
2-Nitroaniline	<4.8		19.3	17.7		ug/L		92	10 - 147	3	30
2-Nitrophenol	<4.8		19.3	16.8		ug/L		87	29 - 182	4	55
3/4-Methylphenol	<1.9		38.6	38.3		ug/L		99	10 - 118	6	30
3-Nitroaniline	<4.8		19.3	16.6		ug/L		86	10 - 153	6	30
4,6-Dinitro-2-methylphenol	<4.8		19.3	20.3		ug/L		105	1 - 181	3	203
4-Bromophenyl phenyl ether	<0.19		19.3	16.0		ug/L		83	53 - 127	10	43
4-Chloro-3-methylphenol	<0.96		19.3	20.0		ug/L		104	22 - 147	4	73
4-Chloroaniline	<4.8		19.3	12.1		ug/L		63	10 - 131	19	30
4-Chlorophenyl phenyl ether	<0.19		19.3	17.0		ug/L		88	25 - 158	4	61

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

Lab Sample ID: 380-133140-A-1-C MSD
Matrix: Water
Analysis Batch: 532856

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 529323

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline	<4.8		19.3	15.8		ug/L		82	10 - 180	4	30
4-Nitrophenol	<4.8		19.3	10.5		ug/L		55	1 - 132	8	131
Acenaphthene	<0.19		19.3	16.5		ug/L		86	47 - 145	5	48
Acenaphthylene	<0.19		19.3	15.9		ug/L		82	33 - 145	7	74
Aniline	<0.19		19.3	12.9		ug/L		67	10 - 113	20	30
Anthracene	<0.19		19.3	16.4		ug/L		85	27 - 133	4	66
Benzidine	<4.8	*- *1 F1	19.3	<4.8	F1	ug/L		0	10 - 57	NC	30
Benzo[a]anthracene	<0.19		19.3	17.9		ug/L		93	33 - 143	2	53
Benzo[a]pyrene	<0.19		19.3	15.2		ug/L		79	17 - 163	15	72
Benzo[b]fluoranthene	<0.19		19.3	15.5		ug/L		80	24 - 159	12	71
Benzo[g,h,i]perylene	<0.19		19.3	16.3		ug/L		84	1 - 219	5	97
Benzo[k]fluoranthene	<0.19		19.3	15.2		ug/L		79	11 - 162	10	63
Benzoic acid	<9.6		19.3	<9.7		ug/L		43	10 - 97	3	30
Benzyl alcohol	<0.96		19.3	18.0		ug/L		93	10 - 122	4	30
Bis(2-chloroethoxy)methane	<0.19		19.3	15.4		ug/L		80	33 - 184	6	54
Bis(2-chloroethyl)ether	<0.19		19.3	18.1		ug/L		94	12 - 158	6	108
bis (2-Chloroisopropyl) ether	<0.19		19.3	17.5		ug/L		91	36 - 166	7	76
Chrysene	<0.19		19.3	16.8		ug/L		87	17 - 168	0	87
Dibenz(a,h)anthracene	<0.19		19.3	17.4		ug/L		90	1 - 227	1	126
Dibenzofuran	<0.19		19.3	17.2		ug/L		89	42 - 111	6	30
Fluoranthene	<0.19		19.3	15.5		ug/L		80	26 - 137	5	66
Fluorene	<0.19		19.3	17.1		ug/L		88	59 - 121	4	38
Hexachloroethane	<0.19		19.3	15.1		ug/L		78	40 - 120	5	52
Indeno[1,2,3-cd]pyrene	<0.19		19.3	17.8		ug/L		92	1 - 171	2	99
Naphthalene	<0.19		19.3	13.6		ug/L		70	21 - 133	5	65
Nitrobenzene	<0.19		19.3	13.9		ug/L		72	35 - 180	6	62
N-Nitrosodi-n-propylamine	<0.19		19.3	17.5		ug/L		90	1 - 230	8	87
N-Nitrosodiphenylamine	<0.19		19.3	19.3		ug/L		100	10 - 179	9	30
Pentachlorophenol	<0.96		19.3	25.9		ug/L		134	14 - 176	1	86
Phenanthrene	<0.19		19.3	17.0		ug/L		88	54 - 120	4	39
Phenol	<0.96		19.3	11.5		ug/L		60	5 - 120	2	64
Pyrene	<0.19	*1	19.3	21.6		ug/L		112	52 - 120	0	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*28 - 127*
2-Fluorobiphenyl (Surr)	*76*		*31 - 120*
2-Fluorophenol (Surr)	*62*		*17 - 120*
Nitrobenzene-d5 (Surr)	*68*		*27 - 120*
Phenol-d6 (Surr)	*43*		*10 - 120*
p-Terphenyl-d14 (Surr)	*100*		*45 - 120*

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

Lab Sample ID: MB 570-531277/5
Matrix: Water
Analysis Batch: 531277

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			02/07/25 16:30	1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		38 - 134		02/07/25 16:30	1

Lab Sample ID: LCS 570-531277/3
Matrix: Water
Analysis Batch: 531277

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			400	412		ug/L		103	78 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		38 - 134

Lab Sample ID: LCSD 570-531277/4
Matrix: Water
Analysis Batch: 531277

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	403		ug/L		101	78 - 120	2	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		38 - 134

Lab Sample ID: MRL 570-531277/8
Matrix: Water
Analysis Batch: 531277

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	11.8		ug/L		118	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		38 - 134

Lab Sample ID: 380-133140-C-1 MS
Matrix: Water
Analysis Batch: 531277

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	380		ug/L		95	68 - 122		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		38 - 134

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

Lab Sample ID: 380-133140-C-1 MSD
Matrix: Water
Analysis Batch: 531277

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	384		ug/L		96	68 - 122	1	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Lab Sample ID: MBL 380-131967/4-A
Matrix: Water
Analysis Batch: 132286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 131967

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.0040		0.020		ug/L		02/01/25 14:00	02/01/25 20:27	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.010		ug/L		02/01/25 14:00	02/01/25 20:27	1
1,2-Dibromoethane	<0.0040		0.010		ug/L		02/01/25 14:00	02/01/25 20:27	1

Surrogate	*MBL %Recovery*	*MBL Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane (Surr)	*99*		*60 - 140*	*02/01/25 14:00*	*02/01/25 20:27*	*1*

Lab Sample ID: LCS 380-131967/29-A
Matrix: Water
Analysis Batch: 132286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131967

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			0.200	0.203		ug/L		102	70 - 130		
1,2-Dibromo-3-Chloropropane			0.200	0.196		ug/L		98	70 - 130		
1,2-Dibromoethane			0.200	0.201		ug/L		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane (Surr)	*97*		*60 - 140*

Lab Sample ID: MRL 380-131967/2-A
Matrix: Water
Analysis Batch: 132286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131967

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			0.0200	0.0209		ug/L		104	60 - 140		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
1,2-Dibromopropane (Surr)	*98*		*60 - 140*

Lab Sample ID: MRL 380-131967/3-A
Matrix: Water
Analysis Batch: 132286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131967

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			0.0500	0.0507		ug/L		101	60 - 140		

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: MRL 380-131967/3-A
Matrix: Water
Analysis Batch: 132286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 131967

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dibromo-3-Chloropropane			0.0100	0.00941	J	ug/L		94	60 - 140		
1,2-Dibromoethane			0.0100	0.00979	J	ug/L		98	60 - 140		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
1,2-Dibromopropane (Surr)	*94*		*60 - 140*

Lab Sample ID: 380-132242-G-5-A MS
Matrix: Water
Analysis Batch: 132286

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 131967

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane	<0.020		1.25	1.19		ug/L		95	65 - 135		
1,2-Dibromo-3-Chloropropane	<0.010		0.250	0.238		ug/L		95	65 - 135		
1,2-Dibromoethane	<0.010		0.250	0.239		ug/L		96	65 - 135		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dibromopropane (Surr)	*101*		*60 - 140*

Lab Sample ID: 380-132242-G-6-A DU
Matrix: Water
Analysis Batch: 132286

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 131967

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,2,3-Trichloropropane	<0.020			<0.020		ug/L				NC	20
1,2-Dibromo-3-Chloropropane	<0.0098			<0.0099		ug/L				NC	20
1,2-Dibromoethane	<0.0098			<0.0099		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,2-Dibromopropane (Surr)	*100*		*60 - 140*

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Lab Sample ID: MB 380-132204/3-A
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132204

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50		ug/L		02/03/25 14:32	02/03/25 16:41	1
Chlordane (n.o.s.)	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 16:41	1
PCB-1016	<0.070		0.070		ug/L		02/03/25 14:32	02/03/25 16:41	1
PCB-1221	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 16:41	1
PCB-1232	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 16:41	1
PCB-1242	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 16:41	1
PCB-1248	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 16:41	1
PCB-1254	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 16:41	1
PCB-1260	<0.070		0.070		ug/L		02/03/25 14:32	02/03/25 16:41	1
Polychlorinated biphenyls, Total	<0.10		0.10		ug/L		02/03/25 14:32	02/03/25 16:41	1

Method: 505 - Organochlorine Pesticides/PCBs (GC) (Continued)

Lab Sample ID: MB 380-132204/3-A
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132204

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		70 - 130	02/03/25 14:32	02/03/25 16:41	1

Lab Sample ID: LCS 380-132204/28-A
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132204

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene			2.50	2.78		ug/L		111	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	95		70 - 130

Lab Sample ID: LCS 380-132204/30-A
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132204

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chlordane (n.o.s.)			0.500	0.502		ug/L		100	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	92		70 - 130

Lab Sample ID: LCS 380-132204/31-A
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132204

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1232			0.500	0.489		ug/L		98	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	91		70 - 130

Lab Sample ID: LCSD 380-132204/29-A
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 132204

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toxaphene			2.50	2.87		ug/L		115	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	93		70 - 130

Method: 505 - Organochlorine Pesticides/PCBs (GC) (Continued)

Lab Sample ID: MRL 380-132204/1-A
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132204

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene			0.500	0.491	J	ug/L		98	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*70 - 130*

Lab Sample ID: MRL 380-132204/2-A
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132204

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chlordane (n.o.s.)			0.100	0.107		ug/L		107	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Tetrachloro-m-xylene	*87*		*70 - 130*

Lab Sample ID: 380-132938-B-1-A MS
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 132204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene	<0.50		2.48	2.62		ug/L		106	65 - 135		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*89*		*70 - 130*

Lab Sample ID: 380-132938-C-1-A MS
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 132204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chlordane (n.o.s.)	<0.10		0.497	0.504		ug/L		101	65 - 135		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*79*		*70 - 130*

Lab Sample ID: 380-133169-M-1-A MS
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 132204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene	<0.50		2.49	2.75		ug/L		110	65 - 135		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*86*		*70 - 130*

Method: 505 - Organochlorine Pesticides/PCBs (GC) (Continued)

Lab Sample ID: 380-133169-N-1-A MS
Matrix: Water
Analysis Batch: 132509

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 132204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.099		0.504	0.560		ug/L		111	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*70 - 130*

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Lab Sample ID: MB 570-531601/11
Matrix: Water
Analysis Batch: 531601

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10		0.10		mg/L			02/08/25 16:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Hexafluoro-2-propanol (Surr)	*96*		*54 - 120*		*02/08/25 16:23*	*1*

Lab Sample ID: LCS 570-531601/12
Matrix: Water
Analysis Batch: 531601

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethanol			2.00	2.17		mg/L		108	78 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Hexafluoro-2-propanol (Surr)	*97*		*54 - 120*

Lab Sample ID: LCSD 570-531601/13
Matrix: Water
Analysis Batch: 531601

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
Ethanol			2.00	2.18		mg/L		109	78 - 131	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Hexafluoro-2-propanol (Surr)	*101*		*54 - 120*

Lab Sample ID: MRL 570-531601/14
Matrix: Water
Analysis Batch: 531601

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ethanol			0.100	0.0950	J	mg/L		95	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Hexafluoro-2-propanol (Surr)	*122*		*54 - 120*

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC) (Continued)

Lab Sample ID: 380-133154-1 MS
Matrix: Water
Analysis Batch: 531601

Client Sample ID: Ka'amilo Wells
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethanol	<0.10		2.00	2.12		mg/L		106	20 - 173

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Hexafluoro-2-propanol (Surr)	*95*		*54 - 120*

Lab Sample ID: 380-133154-1 MSD
Matrix: Water
Analysis Batch: 531601

Client Sample ID: Ka'amilo Wells
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethanol	<0.10		2.00	2.07		mg/L		103	20 - 173	3	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Hexafluoro-2-propanol (Surr)	*95*		*54 - 120*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-131885/4
Matrix: Water
Analysis Batch: 131885

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.050		0.050		mg/L			01/31/25 13:40	1
Nitrite as N	<0.050		0.050		mg/L			01/31/25 13:40	1

Lab Sample ID: LCS 380-131885/7
Matrix: Water
Analysis Batch: 131885

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N			2.50	2.47		mg/L		99	90 - 110
Nitrite as N			1.00	1.00		mg/L		100	90 - 110

Lab Sample ID: LCSD 380-131885/8
Matrix: Water
Analysis Batch: 131885

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
Nitrate as N			2.50	2.58		mg/L		103	90 - 110	4	20
Nitrite as N			1.00	1.04		mg/L		104	90 - 110	4	20

Lab Sample ID: MRL 380-131885/12
Matrix: Water
Analysis Batch: 131885

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N			0.0125	0.0144	J	mg/L		115	50 - 150
Nitrite as N			0.0125	0.0131	J	mg/L		105	50 - 150

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 380-131885/6
Matrix: Water
Analysis Batch: 131885

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.0500	0.0450	J	mg/L		90	50 - 150
Nitrite as N	0.0500	0.0456	J	mg/L		91	50 - 150

Lab Sample ID: 380-133149-AU-1 MS
Matrix: Water
Analysis Batch: 131885

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
Nitrate as N	0.24		1.25	1.60		mg/L		109	80 - 120
Nitrite as N	<0.050		0.500	0.465		mg/L		93	80 - 120

Lab Sample ID: 380-133149-AU-1 MSD
Matrix: Water
Analysis Batch: 131885

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
Nitrate as N	0.24		1.25	1.65		mg/L		113	80 - 120	3	20
Nitrite as N	<0.050		0.500	0.480		mg/L		96	80 - 120	3	20

Lab Sample ID: MB 380-131886/4
Matrix: Water
Analysis Batch: 131886

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.50		0.50		mg/L			01/31/25 13:40	1
Sulfate	<0.25		0.25		mg/L			01/31/25 13:40	1

Lab Sample ID: LCS 380-131886/7
Matrix: Water
Analysis Batch: 131886

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	25.6		mg/L		103	90 - 110
Sulfate	50.0	51.9		mg/L		104	90 - 110

Lab Sample ID: LCSD 380-131886/8
Matrix: Water
Analysis Batch: 131886

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
Chloride	25.0	26.8		mg/L		107	90 - 110	4	20
Sulfate	50.0	54.0		mg/L		108	90 - 110	4	20

Lab Sample ID: MRL 380-131886/12
Matrix: Water
Analysis Batch: 131886

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.125	0.134	J	mg/L		108	50 - 150
Sulfate	0.250	0.259		mg/L		104	50 - 150

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MRL 380-131886/6
Matrix: Water
Analysis Batch: 131886

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.500	0.427	J	mg/L		85	50 - 150		
Sulfate			1.00	0.912		mg/L		91	50 - 150		

Lab Sample ID: 380-133149-AU-1 MS
Matrix: Water
Analysis Batch: 131886

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		
Chloride	11	^2	12.5	24.0		mg/L		107	80 - 120		
Sulfate	9.3		25.0	36.5		mg/L		109	80 - 120		

Lab Sample ID: 380-133149-AU-1 MSD
Matrix: Water
Analysis Batch: 131886

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
Chloride	11	^2	12.5	24.4		mg/L		111	80 - 120	2	20
Sulfate	9.3		25.0	37.3		mg/L		112	80 - 120	2	20

Lab Sample ID: MB 380-132966/6
Matrix: Water
Analysis Batch: 132966

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<5.0		5.0		ug/L			02/05/25 07:51	1

Lab Sample ID: LCS 380-132966/7
Matrix: Water
Analysis Batch: 132966

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			100	98.8		ug/L		99	90 - 110		

Lab Sample ID: LCSD 380-132966/8
Matrix: Water
Analysis Batch: 132966

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
Bromide			100	98.9		ug/L		99	90 - 110	0	10

Lab Sample ID: MRL 380-132966/5
Matrix: Water
Analysis Batch: 132966

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			5.00	5.37		ug/L		107	75 - 125		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 380-133141-AQ-1 MS
Matrix: Water
Analysis Batch: 132966

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
Bromide	<5.0		50.0	51.9		ug/L		99	80 - 120

Lab Sample ID: 380-133141-AQ-1 MSD
Matrix: Water
Analysis Batch: 132966

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
Bromide	<5.0		50.0	52.3		ug/L		100	80 - 120	1	20

Lab Sample ID: MB 380-133443/6
Matrix: Water
Analysis Batch: 133443

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<5.0		5.0		ug/L			02/06/25 17:05	1

Lab Sample ID: LCS 380-133443/7
Matrix: Water
Analysis Batch: 133443

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide			100	99.2		ug/L		99	90 - 110

Lab Sample ID: LCSD 380-133443/8
Matrix: Water
Analysis Batch: 133443

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
Bromide			100	98.9		ug/L		99	90 - 110	0	10

Lab Sample ID: MRL 380-133443/5
Matrix: Water
Analysis Batch: 133443

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide			5.00	5.93		ug/L		119	75 - 125

Lab Sample ID: 380-133201-AL-1 MS
Matrix: Water
Analysis Batch: 133443

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
Bromide	8.7		50.0	58.2		ug/L		99	80 - 120

Lab Sample ID: 380-133201-AL-1 MSD
Matrix: Water
Analysis Batch: 133443

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
Bromide	8.7		50.0	59.4		ug/L		101	80 - 120	2	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-132298/56
Matrix: Water
Analysis Batch: 132298

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

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.031		0.10		mg/L			02/03/25 14:03	1
Magnesium	<0.0099		0.10		mg/L			02/03/25 14:03	1
Potassium	<0.044		0.10		mg/L			02/03/25 14:03	1
Sodium	<0.019		0.10		mg/L			02/03/25 14:03	1

Lab Sample ID: LCS 380-132298/59
Matrix: Water
Analysis Batch: 132298

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			50.0	51.9		mg/L		104	85 - 115		
Magnesium			20.0	20.8		mg/L		104	85 - 115		
Potassium			20.0	20.7		mg/L		103	85 - 115		
Sodium			50.0	50.9		mg/L		102	85 - 115		

Lab Sample ID: LCSD 380-132298/60
Matrix: Water
Analysis Batch: 132298

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
Calcium			50.0	52.1		mg/L		104	85 - 115	0	20
Magnesium			20.0	20.8		mg/L		104	85 - 115	0	20
Potassium			20.0	20.7		mg/L		103	85 - 115	0	20
Sodium			50.0	50.7		mg/L		101	85 - 115	1	20

Lab Sample ID: LLCS 380-132298/57
Matrix: Water
Analysis Batch: 132298

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			0.100	0.102		mg/L		102	50 - 150		
Potassium			0.100	0.0961	J	mg/L		96	50 - 150		
Sodium			0.100	0.101		mg/L		101	50 - 150		

Lab Sample ID: LLCS 380-132298/58
Matrix: Water
Analysis Batch: 132298

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Magnesium			0.100	0.0992	J	mg/L		99	50 - 150		

Lab Sample ID: 380-133103-A-1 MS
Matrix: Water
Analysis Batch: 132298

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		
Calcium	0.16		50.0	51.1		mg/L		102	70 - 130		
Magnesium	<0.10		20.0	20.5		mg/L		102	70 - 130		
Potassium	0.11		20.0	20.4		mg/L		102	70 - 130		
Sodium	1.6		50.0	51.7		mg/L		100	70 - 130		

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: 380-133103-A-1 MSD
Matrix: Water
Analysis Batch: 132298

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
Calcium	0.16		50.0	50.0		mg/L		100	70 - 130	2	20
Magnesium	<0.10		20.0	20.1		mg/L		100	70 - 130	2	20
Potassium	0.11		20.0	20.0		mg/L		99	70 - 130	2	20
Sodium	1.6		50.0	50.8		mg/L		98	70 - 130	2	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-132367/16
Matrix: Water
Analysis Batch: 132367

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

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.48		1.0		ug/L			02/03/25 14:20	1
Arsenic	<0.25		1.0		ug/L			02/03/25 14:20	1
Beryllium	<0.12		0.30		ug/L			02/03/25 14:20	1
Cadmium	<0.081		0.50		ug/L			02/03/25 14:20	1
Chromium	<0.33		0.90		ug/L			02/03/25 14:20	1
Copper	<0.28		1.0		ug/L			02/03/25 14:20	1
Lead	<0.084		0.50		ug/L			02/03/25 14:20	1
Nickel	<0.38		1.0		ug/L			02/03/25 14:20	1
Selenium	<0.25		2.0		ug/L			02/03/25 14:20	1
Silver	<0.30		0.50		ug/L			02/03/25 14:20	1
Thallium	<0.10		0.30		ug/L			02/03/25 14:20	1
Zinc	<4.3		20		ug/L			02/03/25 14:20	1

Lab Sample ID: LCS 380-132367/18
Matrix: Water
Analysis Batch: 132367

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			50.0	49.7		ug/L		99	85 - 115		
Arsenic			50.0	52.6		ug/L		105	85 - 115		
Beryllium			50.0	49.5		ug/L		99	85 - 115		
Cadmium			50.0	49.2		ug/L		98	85 - 115		
Chromium			50.0	49.5		ug/L		99	85 - 115		
Copper			50.0	50.9		ug/L		102	85 - 115		
Lead			50.0	49.7		ug/L		99	85 - 115		
Nickel			50.0	50.7		ug/L		101	85 - 115		
Selenium			50.0	50.8		ug/L		102	85 - 115		
Silver			50.0	50.2		ug/L		100	85 - 115		
Thallium			50.0	50.7		ug/L		101	85 - 115		
Zinc			50.0	49.8		ug/L		100	85 - 115		

Lab Sample ID: LCSD 380-132367/19
Matrix: Water
Analysis Batch: 132367

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
Antimony			50.0	49.6		ug/L		99	85 - 115	0	20

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 380-132367/19
Matrix: Water
Analysis Batch: 132367

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
Arsenic	50.0	52.3		ug/L		105	85 - 115	1	20
Beryllium	50.0	49.6		ug/L		99	85 - 115	0	20
Cadmium	50.0	50.1		ug/L		100	85 - 115	2	20
Chromium	50.0	49.5		ug/L		99	85 - 115	0	20
Copper	50.0	50.4		ug/L		101	85 - 115	1	20
Lead	50.0	49.3		ug/L		99	85 - 115	1	20
Nickel	50.0	50.2		ug/L		100	85 - 115	1	20
Selenium	50.0	50.6		ug/L		101	85 - 115	0	20
Silver	50.0	50.2		ug/L		100	85 - 115	0	20
Thallium	50.0	50.1		ug/L		100	85 - 115	1	20
Zinc	50.0	49.4		ug/L		99	85 - 115	1	20

Lab Sample ID: LLCS 380-132367/17
Matrix: Water
Analysis Batch: 132367

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.01		ug/L		101	50 - 150
Arsenic	1.00	1.15		ug/L		115	50 - 150
Beryllium	0.300	0.288	J	ug/L		96	50 - 150
Cadmium	0.500	0.448	J	ug/L		90	50 - 150
Chromium	0.900	0.656	J	ug/L		73	50 - 150
Copper	1.00	1.04		ug/L		104	50 - 150
Lead	0.500	0.500		ug/L		100	50 - 150
Nickel	1.00	0.978	J	ug/L		98	50 - 150
Selenium	2.00	1.98	J	ug/L		99	50 - 150
Silver	0.500	0.522		ug/L		104	50 - 150
Thallium	0.300	0.298	J	ug/L		99	50 - 150
Zinc	20.0	20.0		ug/L		100	50 - 150

Lab Sample ID: 380-133149-S-1 MS
Matrix: Water
Analysis Batch: 132367

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
Antimony	<1.0		50.0	54.2		ug/L		108	70 - 130
Arsenic	<1.0		50.0	57.4		ug/L		115	70 - 130
Beryllium	<0.30		50.0	52.6		ug/L		105	70 - 130
Cadmium	<0.50		50.0	56.5		ug/L		113	70 - 130
Chromium	<0.90		50.0	52.5		ug/L		105	70 - 130
Copper	130		50.0	186		ug/L		103	70 - 130
Lead	<0.50		50.0	51.6		ug/L		103	70 - 130
Nickel	<1.0		50.0	53.7		ug/L		107	70 - 130
Selenium	<2.0		50.0	62.7		ug/L		125	70 - 130
Silver	<0.50		50.0	52.0		ug/L		104	70 - 130
Thallium	<0.30		50.0	52.4		ug/L		105	70 - 130
Zinc	<20		50.0	68.1		ug/L		120	70 - 130

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 380-133149-S-1 MSD
Matrix: Water
Analysis Batch: 132367

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
Antimony	<1.0		50.0	49.5		ug/L		99	70 - 130	9	20
Arsenic	<1.0		50.0	56.7		ug/L		113	70 - 130	1	20
Beryllium	<0.30		50.0	51.5		ug/L		103	70 - 130	2	20
Cadmium	<0.50		50.0	54.7		ug/L		109	70 - 130	3	20
Chromium	<0.90		50.0	49.8		ug/L		100	70 - 130	5	20
Copper	130		50.0	182		ug/L		96	70 - 130	2	20
Lead	<0.50		50.0	49.6		ug/L		99	70 - 130	4	20
Nickel	<1.0		50.0	50.8		ug/L		102	70 - 130	6	20
Selenium	<2.0		50.0	60.5		ug/L		121	70 - 130	4	20
Silver	<0.50		50.0	50.2		ug/L		100	70 - 130	4	20
Thallium	<0.30		50.0	50.6		ug/L		101	70 - 130	4	20
Zinc	<20		50.0	64.3		ug/L		113	70 - 130	6	20

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MBL 810-132077/1-A
Matrix: Water
Analysis Batch: 132179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132077

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.063		0.20		ug/L		02/06/25 11:08	02/06/25 15:37	1

Lab Sample ID: LCS 810-132077/3-A
Matrix: Water
Analysis Batch: 132179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132077

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			1.00	1.03		ug/L		103	85 - 115		

Lab Sample ID: LLCS 810-132077/2-A
Matrix: Water
Analysis Batch: 132179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132077

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.200	0.218		ug/L		109	50 - 150		

Lab Sample ID: 810-136370-A-1-B MS
Matrix: Water
Analysis Batch: 132179

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 132077

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.20		1.00	1.02		ug/L		102	70 - 130		

Lab Sample ID: 810-136370-A-1-C MSD
Matrix: Water
Analysis Batch: 132179

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 132077

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		1.00	0.995		ug/L		99	70 - 130	3	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 380-133585/1
Matrix: Water
Analysis Batch: 133585

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.0		4.0		mg/L			02/06/25 23:42	1
Bicarbonate Alkalinity as CaCO3	<4.0		4.0		mg/L			02/06/25 23:42	1
Carbonate Alkalinity as CaCO3	<4.0		4.0		mg/L			02/06/25 23:42	1

Lab Sample ID: LCS 380-133585/3
Matrix: Water
Analysis Batch: 133585

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	98.4		mg/L		98	90 - 110		

Lab Sample ID: LCSD 380-133585/18
Matrix: Water
Analysis Batch: 133585

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
Alkalinity			100	99.6		mg/L		100	90 - 110	1	20

Lab Sample ID: LLCS 380-133585/4
Matrix: Water
Analysis Batch: 133585

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			20.0	20.2		mg/L		101	90 - 110		

Lab Sample ID: MRL 380-133585/2
Matrix: Water
Analysis Batch: 133585

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			2.00	2.67	J	mg/L		134	50 - 150		

Lab Sample ID: 380-133003-A-3 MS
Matrix: Water
Analysis Batch: 133585

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		
Alkalinity	120	F1	100	165	F1	mg/L		43	80 - 120		

Lab Sample ID: 380-133003-A-3 MSD
Matrix: Water
Analysis Batch: 133585

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
Alkalinity	120	F1	100	162	F1	mg/L		40	80 - 120	2	20

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 380-133003-A-3 DU
Matrix: Water
Analysis Batch: 133585

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	120	F1		122		mg/L				0.2	20
Bicarbonate Alkalinity as CaCO3	120			122		mg/L				0.2	20
Carbonate Alkalinity as CaCO3	<4.0			<4.0		mg/L				NC	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 380-133593/3
Matrix: Water
Analysis Batch: 133593

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<2.0		2.0		umhos/cm			02/06/25 23:42	1

Lab Sample ID: LCS 380-133593/5
Matrix: Water
Analysis Batch: 133593

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Specific Conductance			1000	992		umhos/cm		99	90 - 110		

Lab Sample ID: LCSD 380-133593/17
Matrix: Water
Analysis Batch: 133593

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
Specific Conductance			1000	986		umhos/cm		99	90 - 110	1	10

Lab Sample ID: MRL 380-133593/4
Matrix: Water
Analysis Batch: 133593

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Specific Conductance			2.00	1.90	J	umhos/cm		95	50 - 150		

Lab Sample ID: 380-133003-A-3 DU
Matrix: Water
Analysis Batch: 133593

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	430			431		umhos/cm				0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 380-132299/1
Matrix: Water
Analysis Batch: 132299

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			02/03/25 15:40	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: HLCS 380-132299/5
Matrix: Water
Analysis Batch: 132299

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

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	700	686		mg/L		98	80 - 114

Lab Sample ID: LCS 380-132299/4
Matrix: Water
Analysis Batch: 132299

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	175	166		mg/L		95	80 - 114

Lab Sample ID: MRL 380-132299/2
Matrix: Water
Analysis Batch: 132299

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	10.0	9.00	J	mg/L		90	50 - 150

Lab Sample ID: MRL 380-132299/3
Matrix: Water
Analysis Batch: 132299

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	10.0	8.00	J	mg/L		80	50 - 150

Lab Sample ID: 380-133050-T-1 DU
Matrix: Water
Analysis Batch: 132299

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	340		346		mg/L		2	10

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-133581/40
Matrix: Water
Analysis Batch: 133581

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.050		0.050	mg/L			02/06/25 22:15	1

Lab Sample ID: LCS 380-133581/42
Matrix: Water
Analysis Batch: 133581

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.00	1.06		mg/L		106	90 - 110

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCSD 380-133581/43
Matrix: Water
Analysis Batch: 133581

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
Fluoride			1.00	1.06		mg/L		106	90 - 110	0	10

Lab Sample ID: MRL 380-133581/41
Matrix: Water
Analysis Batch: 133581

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			0.0500	0.0525		mg/L		105	50 - 150		

Lab Sample ID: 380-132068-N-1 MS
Matrix: Water
Analysis Batch: 133581

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		
Fluoride	0.056		1.00	1.11		mg/L		105	80 - 120		

Lab Sample ID: 380-132068-N-1 MSD
Matrix: Water
Analysis Batch: 133581

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
Fluoride	0.056		1.00	1.13		mg/L		107	80 - 120	1	20

Method: SM 4500 H+ B - pH

Lab Sample ID: MB 380-133588/5
Matrix: Water
Analysis Batch: 133588

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
pH	5.6				SU			02/06/25 23:42	1

Lab Sample ID: LCS 380-133588/6
Matrix: Water
Analysis Batch: 133588

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			6.00	6.0		SU		100	98 - 102		

Lab Sample ID: LCSD 380-133588/18
Matrix: Water
Analysis Batch: 133588

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
pH			6.00	6.0		SU		100	98 - 102	0	2

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: 380-133003-A-3 DU
Matrix: Water
Analysis Batch: 133588

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.1			8.1		SU				0.6	2

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MBL 380-132294/3
Matrix: Water
Analysis Batch: 132294

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

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.0099		0.050		mg/L			02/03/25 17:45	1

Lab Sample ID: LCS 380-132294/5
Matrix: Water
Analysis Batch: 132294

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			0.250	0.229		mg/L		92	90 - 110		

Lab Sample ID: LCSD 380-132294/6
Matrix: Water
Analysis Batch: 132294

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
Sulfide			0.250	0.266		mg/L		106	90 - 110	15	20

Lab Sample ID: MRL 380-132294/4
Matrix: Water
Analysis Batch: 132294

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			0.0500	0.0490	J	mg/L		98	50 - 150		

Lab Sample ID: 380-133154-1 MS
Matrix: Water
Analysis Batch: 132294

Client Sample ID: Ka'amilo Wells
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.050	F1	0.250	0.155	F1	mg/L		62	80 - 120		

Lab Sample ID: 380-133154-1 MSD
Matrix: Water
Analysis Batch: 132294

Client Sample ID: Ka'amilo Wells
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.050	F1	0.250	0.152	F1	mg/L		61	80 - 120	2	20

GC/MS VOA

Analysis Batch: 132049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	524.2	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	524.2	
380-133154-3	TB: Ka'amilo Wells	Total/NA	Water	524.2	
380-133154-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP06	Total/NA	Water	524.2	
MB 810-132049/7	Method Blank	Total/NA	Water	524.2	
380-133154-2 MS	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	524.2	
380-133154-1 DU	Ka'amilo Wells	Total/NA	Water	524.2	

Analysis Batch: 132425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	524.2	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	524.2	
380-133154-3	TB: Ka'amilo Wells	Total/NA	Water	524.2	
380-133154-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP06	Total/NA	Water	524.2	

Analysis Batch: 133015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	524.2	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	524.2	
380-133154-3	TB: Ka'amilo Wells	Total/NA	Water	524.2	
380-133154-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP06	Total/NA	Water	524.2	
MB 380-133015/11	Method Blank	Total/NA	Water	524.2	
LCS 380-133015/8	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-133015/9	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-133015/10	Lab Control Sample	Total/NA	Water	524.2	

GC/MS Semi VOA

Prep Batch: 132045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	525.2	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	525.2	
MB 380-132045/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-132045/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-132045/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-133154-1 MS	Ka'amilo Wells	Total/NA	Water	525.2	
380-133154-2 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	525.2	

Analysis Batch: 132255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	525.2	132045
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	525.2	132045
MB 380-132045/21-A	Method Blank	Total/NA	Water	525.2	132045
LCS 380-132045/23-A	Lab Control Sample	Total/NA	Water	525.2	132045
MRL 380-132045/22-A	Lab Control Sample	Total/NA	Water	525.2	132045
380-133154-1 MS	Ka'amilo Wells	Total/NA	Water	525.2	132045
380-133154-2 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	525.2	132045

Prep Batch: 529323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	625.1	

GC/MS Semi VOA (Continued)

Prep Batch: 529323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	625.1	
MB 570-529323/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-529323/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-529323/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-133140-A-1-B MS	Matrix Spike	Total/NA	Water	625.1	
380-133140-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 532848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	625.1	529323
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	625.1	529323
MB 570-529323/1-A	Method Blank	Total/NA	Water	625.1	529323

Analysis Batch: 532856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	625.1 SIM	529323
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	625.1 SIM	529323
MB 570-529323/1-A	Method Blank	Total/NA	Water	625.1 SIM	529323
LCS 570-529323/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	529323
LCSD 570-529323/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	529323
380-133140-A-1-B MS	Matrix Spike	Total/NA	Water	625.1 SIM	529323
380-133140-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	529323

GC VOA

Analysis Batch: 531277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	8015B GRO LL	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	8015B GRO LL	
380-133154-3	TB: Ka'amilo Wells	Total/NA	Water	8015B GRO LL	
380-133154-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP06	Total/NA	Water	8015B GRO LL	
MB 570-531277/5	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-531277/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-531277/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-531277/8	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-133140-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-133140-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 131967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	504.1	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	504.1	
380-133154-3	TB: Ka'amilo Wells	Total/NA	Water	504.1	
380-133154-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP06	Total/NA	Water	504.1	
MBL 380-131967/4-A	Method Blank	Total/NA	Water	504.1	
LCS 380-131967/29-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-131967/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-131967/3-A	Lab Control Sample	Total/NA	Water	504.1	
380-132242-G-5-A MS	Matrix Spike	Total/NA	Water	504.1	
380-132242-G-6-A DU	Duplicate	Total/NA	Water	504.1	

GC Semi VOA

Prep Batch: 132204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	505	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	505	
MB 380-132204/3-A	Method Blank	Total/NA	Water	505	
LCS 380-132204/28-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-132204/30-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-132204/31-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-132204/29-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-132204/1-A	Lab Control Sample	Total/NA	Water	505	
MRL 380-132204/2-A	Lab Control Sample	Total/NA	Water	505	
380-132938-B-1-A MS	Matrix Spike	Total/NA	Water	505	
380-132938-C-1-A MS	Matrix Spike	Total/NA	Water	505	
380-133169-M-1-A MS	Matrix Spike	Total/NA	Water	505	
380-133169-N-1-A MS	Matrix Spike	Total/NA	Water	505	

Analysis Batch: 132286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	504.1	131967
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	504.1	131967
380-133154-3	TB: Ka'amilo Wells	Total/NA	Water	504.1	131967
380-133154-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP06	Total/NA	Water	504.1	131967
MBL 380-131967/4-A	Method Blank	Total/NA	Water	504.1	131967
LCS 380-131967/29-A	Lab Control Sample	Total/NA	Water	504.1	131967
MRL 380-131967/2-A	Lab Control Sample	Total/NA	Water	504.1	131967
MRL 380-131967/3-A	Lab Control Sample	Total/NA	Water	504.1	131967
380-132242-G-5-A MS	Matrix Spike	Total/NA	Water	504.1	131967
380-132242-G-6-A DU	Duplicate	Total/NA	Water	504.1	131967

Analysis Batch: 132509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	505	132204
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	505	132204
MB 380-132204/3-A	Method Blank	Total/NA	Water	505	132204
LCS 380-132204/28-A	Lab Control Sample	Total/NA	Water	505	132204
LCS 380-132204/30-A	Lab Control Sample	Total/NA	Water	505	132204
LCS 380-132204/31-A	Lab Control Sample	Total/NA	Water	505	132204
LCSD 380-132204/29-A	Lab Control Sample Dup	Total/NA	Water	505	132204
MRL 380-132204/1-A	Lab Control Sample	Total/NA	Water	505	132204
MRL 380-132204/2-A	Lab Control Sample	Total/NA	Water	505	132204
380-132938-B-1-A MS	Matrix Spike	Total/NA	Water	505	132204
380-132938-C-1-A MS	Matrix Spike	Total/NA	Water	505	132204
380-133169-M-1-A MS	Matrix Spike	Total/NA	Water	505	132204
380-133169-N-1-A MS	Matrix Spike	Total/NA	Water	505	132204

Analysis Batch: 531601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	8015B	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	8015B	
MB 570-531601/11	Method Blank	Total/NA	Water	8015B	
LCS 570-531601/12	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-531601/13	Lab Control Sample Dup	Total/NA	Water	8015B	
MRL 570-531601/14	Lab Control Sample	Total/NA	Water	8015B	

GC Semi VOA (Continued)

Analysis Batch: 531601 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1 MS	Ka'amilo Wells	Total/NA	Water	8015B	
380-133154-1 MSD	Ka'amilo Wells	Total/NA	Water	8015B	

HPLC/IC

Analysis Batch: 131885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	300.0	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	300.0	
MB 380-131885/4	Method Blank	Total/NA	Water	300.0	
LCS 380-131885/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-131885/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-131885/12	Lab Control Sample	Total/NA	Water	300.0	
MRL 380-131885/6	Lab Control Sample	Total/NA	Water	300.0	
380-133149-AU-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-133149-AU-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 131886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	300.0	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	300.0	
MB 380-131886/4	Method Blank	Total/NA	Water	300.0	
LCS 380-131886/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-131886/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-131886/12	Lab Control Sample	Total/NA	Water	300.0	
MRL 380-131886/6	Lab Control Sample	Total/NA	Water	300.0	
380-133149-AU-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-133149-AU-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 132966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	300.0	
MB 380-132966/6	Method Blank	Total/NA	Water	300.0	
LCS 380-132966/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-132966/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-132966/5	Lab Control Sample	Total/NA	Water	300.0	
380-133141-AQ-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-133141-AQ-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 133443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	300.0	
MB 380-133443/6	Method Blank	Total/NA	Water	300.0	
LCS 380-133443/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-133443/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-133443/5	Lab Control Sample	Total/NA	Water	300.0	
380-133201-AL-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-133201-AL-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 132077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	245.1	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	245.1	
MBL 810-132077/1-A	Method Blank	Total/NA	Water	245.1	
LCS 810-132077/3-A	Lab Control Sample	Total/NA	Water	245.1	
LLCS 810-132077/2-A	Lab Control Sample	Total/NA	Water	245.1	
810-136370-A-1-B MS	Matrix Spike	Total/NA	Water	245.1	
810-136370-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

Analysis Batch: 132179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	245.1	132077
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	245.1	132077
MBL 810-132077/1-A	Method Blank	Total/NA	Water	245.1	132077
LCS 810-132077/3-A	Lab Control Sample	Total/NA	Water	245.1	132077
LLCS 810-132077/2-A	Lab Control Sample	Total/NA	Water	245.1	132077
810-136370-A-1-B MS	Matrix Spike	Total/NA	Water	245.1	132077
810-136370-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	132077

Analysis Batch: 132298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	200.7 Rev 4.4	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	200.7 Rev 4.4	
MBL 380-132298/56	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-132298/59	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-132298/60	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-132298/57	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-132298/58	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
380-133103-A-1 MS	Matrix Spike	Total/NA	Water	200.7 Rev 4.4	
380-133103-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 132367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	200.8	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	200.8	
MBL 380-132367/16	Method Blank	Total/NA	Water	200.8	
LCS 380-132367/18	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-132367/19	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-132367/17	Lab Control Sample	Total/NA	Water	200.8	
380-133149-S-1 MS	Matrix Spike	Total/NA	Water	200.8	
380-133149-S-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

General Chemistry

Analysis Batch: 132294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	SM 4500 S2 D	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 4500 S2 D	
MBL 380-132294/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 380-132294/5	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 380-132294/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 380-132294/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	

General Chemistry (Continued)

Analysis Batch: 132294 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1 MS	Ka'amilo Wells	Total/NA	Water	SM 4500 S2 D	
380-133154-1 MSD	Ka'amilo Wells	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 132299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	SM 2540C	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 2540C	
MB 380-132299/1	Method Blank	Total/NA	Water	SM 2540C	
HLCS 380-132299/5	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-132299/4	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-132299/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-132299/3	Lab Control Sample	Total/NA	Water	SM 2540C	
380-133050-T-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 133581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	SM 4500 F C	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 4500 F C	
MB 380-133581/40	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 380-133581/42	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-133581/43	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-133581/41	Lab Control Sample	Total/NA	Water	SM 4500 F C	
380-132068-N-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-132068-N-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 133585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	SM 2320B	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 2320B	
MB 380-133585/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-133585/3	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-133585/18	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-133585/4	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-133585/2	Lab Control Sample	Total/NA	Water	SM 2320B	
380-133003-A-3 MS	Matrix Spike	Total/NA	Water	SM 2320B	
380-133003-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2320B	
380-133003-A-3 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 133588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	SM 4500 H+ B	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 4500 H+ B	
MB 380-133588/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-133588/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-133588/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	
380-133003-A-3 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 133593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133154-1	Ka'amilo Wells	Total/NA	Water	SM 2510B	
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 2510B	

General Chemistry (Continued)

Analysis Batch: 133593 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 380-133593/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-133593/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-133593/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-133593/4	Lab Control Sample	Total/NA	Water	SM 2510B	
380-133003-A-3 DU	Duplicate	Total/NA	Water	SM 2510B	

Lab Chronicle

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Client Sample ID: Ka'amilo Wells

Lab Sample ID: 380-133154-1

Date Collected: 01/30/25 10:31
Date Received: 01/31/25 10:27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	132049	DC	EA SB	02/06/25 12:18
Total/NA	Analysis	524.2		1	132425	T1J	EA SB	02/06/25 12:18
Total/NA	Analysis	524.2		1	133015	WE3W	EA POM	02/05/25 23:33
Total/NA	Prep	525.2			132045	IQ42	EA POM	02/02/25 15:45
Total/NA	Analysis	525.2		1	132255	Q8LA	EA POM	02/03/25 15:14
Total/NA	Prep	625.1			529323	OAJ3	EET CAL 4	02/03/25 13:00
Total/NA	Analysis	625.1		1	532848	CG	EET CAL 4	02/12/25 16:18
Total/NA	Prep	625.1			529323	OAJ3	EET CAL 4	02/03/25 13:00
Total/NA	Analysis	625.1 SIM		1	532856	PQS1	EET CAL 4	02/12/25 10:50
Total/NA	Analysis	8015B GRO LL		1	531277	BH4T	EET CAL 4	02/07/25 19:46
Total/NA	Prep	504.1			131967	LZ8Q	EA POM	02/01/25 14:00 - 02/02/25 15:30 [1]
Total/NA	Analysis	504.1		1	132286	LZ8Q	EA POM	02/02/25 01:28
Total/NA	Prep	505			132204	DR5R	EA POM	02/03/25 14:32 - 02/03/25 15:38 [1]
Total/NA	Analysis	505		1	132509	DR5R	EA POM	02/03/25 20:35
Total/NA	Analysis	8015B		1	531601	ZE2W	EET CAL 4	02/08/25 18:34
Total/NA	Analysis	300.0		5	131885	BG6L	EA POM	01/31/25 20:55
Total/NA	Analysis	300.0		5	131886	BG6L	EA POM	01/31/25 20:55
Total/NA	Analysis	300.0		1	132966	UNJR	EA POM	02/05/25 17:23
Total/NA	Analysis	200.7 Rev 4.4		1	132298	MF7S	EA POM	02/03/25 14:48
Total/NA	Analysis	200.8		1	132367	VB9B	EA POM	02/03/25 15:12
Total/NA	Prep	245.1			132077	AC	EA SB	02/06/25 11:08
Total/NA	Analysis	245.1		1	132179	AC	EA SB	02/06/25 16:02
Total/NA	Analysis	SM 2320B		1	133585	PK4Q	EA POM	02/07/25 01:52
Total/NA	Analysis	SM 2510B		1	133593	PK4Q	EA POM	02/07/25 01:52
Total/NA	Analysis	SM 2540C		1	132299	UJRF	EA POM	02/03/25 15:40
Total/NA	Analysis	SM 4500 F C		1	133581	PK4Q	EA POM	02/06/25 22:44
Total/NA	Analysis	SM 4500 H+ B		1	133588	PK4Q	EA POM	02/07/25 01:52
Total/NA	Analysis	SM 4500 S2 D		1	132294	ZJ2C	EA POM	02/03/25 17:45

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)

Lab Sample ID: 380-133154-2

Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	132049	DC	EA SB	02/06/25 13:07
Total/NA	Analysis	524.2		1	132425	T1J	EA SB	02/06/25 13:07
Total/NA	Analysis	524.2		1	133015	WE3W	EA POM	02/05/25 23:56
Total/NA	Prep	525.2			132045	IQ42	EA POM	02/02/25 15:45
Total/NA	Analysis	525.2		1	132255	Q8LA	EA POM	02/03/25 15:34
Total/NA	Prep	625.1			529323	OAJ3	EET CAL 4	02/03/25 13:00
Total/NA	Analysis	625.1		1	532848	CG	EET CAL 4	02/12/25 16:41

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)

Lab Sample ID: 380-133154-2

Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	625.1			529323	OAJ3	EET CAL 4	02/03/25 13:00
Total/NA	Analysis	625.1 SIM		1	532856	PQS1	EET CAL 4	02/12/25 11:12
Total/NA	Analysis	8015B GRO LL		1	531277	BH4T	EET CAL 4	02/07/25 20:11
Total/NA	Prep	504.1			131967	LZ8Q	EA POM	02/01/25 14:00 - 02/02/25 15:30 [1]
Total/NA	Analysis	504.1		1	132286	LZ8Q	EA POM	02/02/25 01:49
Total/NA	Prep	505			132204	DR5R	EA POM	02/03/25 14:32 - 02/03/25 15:38 [1]
Total/NA	Analysis	505		1	132509	DR5R	EA POM	02/03/25 20:56
Total/NA	Analysis	8015B		1	531601	ZE2W	EET CAL 4	02/08/25 18:56
Total/NA	Analysis	300.0		5	131885	BG6L	EA POM	01/31/25 21:08
Total/NA	Analysis	300.0		5	131886	BG6L	EA POM	01/31/25 21:08
Total/NA	Analysis	300.0		5	133443	UNJR	EA POM	02/06/25 19:47
Total/NA	Analysis	200.7 Rev 4.4		1	132298	MF7S	EA POM	02/03/25 14:50
Total/NA	Analysis	200.8		1	132367	VB9B	EA POM	02/03/25 15:14
Total/NA	Prep	245.1			132077	AC	EA SB	02/06/25 11:08
Total/NA	Analysis	245.1		1	132179	AC	EA SB	02/06/25 16:04
Total/NA	Analysis	SM 2320B		1	133585	PK4Q	EA POM	02/07/25 02:01
Total/NA	Analysis	SM 2510B		1	133593	PK4Q	EA POM	02/07/25 02:01
Total/NA	Analysis	SM 2540C		1	132299	UJRF	EA POM	02/03/25 15:40
Total/NA	Analysis	SM 4500 F C		1	133581	PK4Q	EA POM	02/06/25 22:48
Total/NA	Analysis	SM 4500 H+ B		1	133588	PK4Q	EA POM	02/07/25 02:01
Total/NA	Analysis	SM 4500 S2 D		1	132294	ZJ2C	EA POM	02/03/25 17:45

Client Sample ID: TB: Ka'amilo Wells

Lab Sample ID: 380-133154-3

Date Collected: 01/30/25 10:31
Date Received: 01/31/25 10:27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	132049	DC	EA SB	02/06/25 13:31
Total/NA	Analysis	524.2		1	132425	T1J	EA SB	02/06/25 13:31
Total/NA	Analysis	524.2		1	133015	WE3W	EA POM	02/06/25 00:19
Total/NA	Analysis	8015B GRO LL		1	531277	BH4T	EET CAL 4	02/07/25 21 00
Total/NA	Prep	504.1			131967	LZ8Q	EA POM	02/01/25 14:00 - 02/02/25 15:30 [1]
Total/NA	Analysis	504.1		1	132286	LZ8Q	EA POM	02/02/25 00:45

Client Sample ID: TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)

Lab Sample ID: 380-133154-4

Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	132049	DC	EA SB	02/06/25 13:56
Total/NA	Analysis	524.2		1	132425	T1J	EA SB	02/06/25 13:56

Lab Chronicle

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Client Sample ID: TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)

Lab Sample ID: 380-133154-4

Date Collected: 01/30/25 09:53
Date Received: 01/31/25 10:27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	133015	WE3W	EA POM	02/06/25 00:42
Total/NA	Analysis	8015B GRO LL		1	531277	BH4T	EET CAL 4	02/07/25 21:25
Total/NA	Prep	504.1			131967	LZ8Q	EA POM	02/01/25 14:00 - 02/02/25 15:30 [1]
Total/NA	Analysis	504.1		1	132286	LZ8Q	EA POM	02/02/25 02:32

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100
EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777
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: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Laboratory: Eurofins Eaton Analytical Pomona

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-25 *

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
505	505	Drinking Water	Polychlorinated biphenyls, Total
505	505	Water	Polychlorinated biphenyls, Total
524.2		Drinking Water	Tertiary Butyl Alcohol (TBA)
524.2		Water	Tertiary Butyl Alcohol (TBA)
525.2	525.2	Drinking Water	1-Methylnaphthalene
525.2	525.2	Drinking Water	2,4'-DDD
525.2	525.2	Drinking Water	2,4'-DDE
525.2	525.2	Drinking Water	2,4'-DDT
525.2	525.2	Drinking Water	2,4-Dinitrotoluene
525 2	525 2	Drinking Water	2,6 Dinitrotoluene
525.2	525.2	Drinking Water	2-Methylnaphthalene
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	4,4'-DDE
525.2	525.2	Drinking Water	4,4'-DDT
525.2	525.2	Drinking Water	Acetochlor
525.2	525.2	Drinking Water	alpha-BHC
525.2	525.2	Drinking Water	alpha-Chlordane
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Chlorobenzilate
525.2	525.2	Drinking Water	Chloroneb
525.2	525.2	Drinking Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Drinking Water	Chlorpyrifos
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525 2	525 2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbuthylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking Water	trans-Nonachlor
525.2	525.2	Water	1-Methylnaphthalene
525.2	525.2	Water	2,4'-DDD
525.2	525.2	Water	2,4'-DDE
525.2	525.2	Water	2,4'-DDT
525.2	525.2	Water	2,4-Dinitrotoluene
525.2	525.2	Water	2,6-Dinitrotoluene
525.2	525.2	Water	2-Methylnaphthalene

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Laboratory: Eurofins Eaton Analytical Pomona (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Water	4,4'-DDD
525.2	525.2	Water	4,4'-DDE
525.2	525.2	Water	4,4'-DDT
525.2	525.2	Water	Acetochlor
525.2	525.2	Water	alpha-BHC
525.2	525.2	Water	alpha-Chlordane
525.2	525.2	Water	beta-BHC
525.2	525.2	Water	Chlorobenzilate
525.2	525.2	Water	Chloroneb
525.2	525.2	Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Water	Chlorpyrifos
525.2	525.2	Water	delta-BHC
525.2	525.2	Water	Diclorvos (DDVP)
525.2	525.2	Water	Endosulfan I (Alpha)
525.2	525.2	Water	Endosulfan II (Beta)
525.2	525.2	Water	Endosulfan sulfate
525.2	525.2	Water	Endrin aldehyde
525.2	525.2	Water	EPTC
525.2	525.2	Water	gamma-Chlordane
525.2	525.2	Water	Isophorone
525.2	525.2	Water	Malathion
525.2	525.2	Water	Parathion
525.2	525.2	Water	Pendimethalin (Penoxaline)
525.2	525.2	Water	Terbacil
525.2	525.2	Water	Terbuthylazine
525.2	525.2	Water	Total Permethrin (mixed isomers)
525.2	525.2	Water	trans-Nonachlor
SM 2320B		Drinking Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Drinking Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 4500 S2 D		Drinking Water	Sulfide
SM 4500 S2 D		Water	Sulfide

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	02-12-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25

Laboratory: Eurofins Calscience (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Washington	State	C916	10-11-25

Laboratory: Eurofins Eaton Analytical South Bend

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	ISO/IEC 17025	5794.01	07-31-26
Alabama	State	40700	06-30-25
Alaska	State	IN00035	06-30-25
Arizona	State	AZ0432	07-26-25
Arkansas (DW)	State	EPA IN00035	06-30-25
California	State	2920	06-30-25
Colorado	State	IN00035	02-28-25
Connecticut	State	PH-0132	03-31-26
Delaware (DW)	State	IN00035	06-30-25
Florida	NELAP	E87775	06-30-25
Georgia (DW)	State	929	06-30-25
Guam	State	23-011R	07-15-25
Hawaii	State	IN035	06-30-25
Idaho (DW)	State	IN00035	12-31-25
IL Dept. of Public Health (Micro)	State	17767	06-30-25
Illinois	NELAP	200001	09-30-25
Indiana	State	C-71-01	12-31-25
Indiana (Micro)	State	M-76-07	12-31-25
Iowa	State	IA Lab #098	11-01-25
Kansas	NELAP	E-10233	10-31-25
Kentucky (DW)	State	KY90056	12-31-24 *
Louisiana (DW)	State	LA014	12-31-25
Maine	State	IN00035	05-01-25
Maryland	State	209	06-30-25
Massachusetts	State	M-IN035	06-30-25
MI - RadChem Recognition	State	9926	06-01-25
Michigan	State	9926	12-31-25
Minnesota	NELAP	018-999-338	12-31-25
Mississippi	State	IN00035	06-30-25
Missouri	State	880	09-30-27
Montana (DW)	State	CERT0026	01-01-26
Nebraska	State	NE-OS-05-04	06-30-25
Nevada	State	IN000352024-01	07-31-25
New Hampshire	NELAP	2124	11-05-25
New Jersey	NELAP	IN598	06-30-25
New Mexico	State	IN00035	06-30-25
New York	NELAP	11398	04-01-25
North Carolina (DW)	State	18700	07-31-25
North Dakota	State	R-035	06-30-24 *
Northern Mariana Islands (DW)	State	IN00035	06-30-25
Ohio	State	87775	06-30-25
Oklahoma	NELAP	D9508	08-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Laboratory: Eurofins Eaton Analytical South Bend (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4156	09-16-25
Pennsylvania	NELAP	68-00466	04-30-25
Puerto Rico	State	IN00035	04-01-25
Rhode Island	State	LAO00343	02-13-25
South Carolina	State	95005001	06-30-25
South Dakota (DW)	State	IN00035	06-30-25
Tennessee	State	TN02973	06-30-25
Texas	NELAP	T104704187-22-16	12-31-25
Texas	TCEQ Water Supply	TX207	06-30-25
USEPA UCMR 5	US Federal Programs	IN00035	12-31-25
Utah	NELAP	IN00035	07-31-25
Vermont	State	VT-8775	11-15-25
Virginia	NELAP	460275	03-14-25
Washington	State	C837	01-01-26
West Virginia (DW)	State	9927 C	01-31-26
Wisconsin	State	999766900	02-11-25
Wisconsin (Micro)	State	10121	12-31-25
Wyoming	State	8TMS-L	06-30-25

Method Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS SIM)	EPA-DW	EA POM
524.2	Total Trihalomethanes	EPA-DW	EA SB
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	EA SB
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	EA POM
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
504.1	EDB, DBCP and 1,2,3-TCP (GC)	EPA-DW2	EA POM
505	Organochlorine Pesticides/PCBs (GC)	EPA	EA POM
8015B	Nonhalogenated Organic Compounds - Direct Injection (GC)	SW846	EET CAL 4
300.0	Anions, Ion Chromatography	EPA	EA POM
200.7 Rev 4.4	Metals (ICP)	EPA	EA POM
200.8	Metals (ICP/MS)	EPA	EA POM
245.1	Mercury (CVAA)	EPA	EA SB
SM 2320B	Alkalinity	SM	EA POM
SM 2510B	Conductivity, Specific Conductance	SM	EA POM
SM 2540C	Solids, Total Dissolved (TDS)	SM	EA POM
SM 4500 F C	Fluoride	SM	EA POM
SM 4500 H+ B	pH	SM	EA POM
SM 4500 S2 D	Sulfide, Total	SM	EA POM
245.1	Preparation, Mercury	EPA	EA SB
5030C	Purge and Trap	SW846	EET CAL 4
504.1	Microextraction	EPA-DW	EA POM
505	Extraction, Organohalide Pesticides	EPA	EA POM
525.2	Extraction of Semivolatile Compounds	EPA	EA POM
625.1	Liquid-Liquid Extraction	40CFR136A	EET CAL 4
None	Autocomplete Prep - Metals - No Digestion required	None	EA POM

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
EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.
EPA-DW2 = "Methods For The Determination of Organic Compounds in Drinking Water - Supplement III ",, EPA/600/R-95-131, August 1995
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100
EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777
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: RED-HILL

Job ID: 380-133154-1
SDG: Quarterly

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-133154-1	Ka'amilo Wells	Water	01/30/25 10:31	01/31/25 10:27
380-133154-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Drinking Water	01/30/25 09:53	01/31/25 10:27
380-133154-3	TB: Ka'amilo Wells	Water	01/30/25 10:31	01/31/25 10:27
380-133154-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)	Water	01/30/25 09:53	01/31/25 10:27

Monrovia, CA (Suite 100)
750 Royal Oaks Drive Suite 100
Monrovia CA 91016
Phone (626) 386-1100

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Bailey	Lab PM: Arada Rachelle	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 808-748-5840	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: City & County of Honolulu	PWSID			Job #:
Address: 630 South Beretania Street; Chemistry Lab	Due Date Requested			
City: Honolulu	TAT Requested (days):			
State, Zip: HI 96843	Compliance Project: Δ No			
Phone: 808-748-5840 (tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL	Project #: 38001111			
Site:	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)	504.1_PREC, 505_LL_PREC	2320B, 2510B, SM4500_H+	200.7, 200.8	2540C_Calcd Total dissolved Solids (TDS)	SM4500_S2_D Sulfide, Total	5 24 2_Pres_PREC, 524 2_SIM_PREC	525 2_PREC 525plus PLUS TICs	300_OF_28D_B, 300_OF_28D_PREC, 300_OF_48H_PREC, 4500_F_C	245.1 Local Method	8015B_GRO_LL (MOD) GRO	8015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C36/C8-C18	8015B_DAI Ethanol	625 1, 625 1_SIM	Total Number of containers	Special Instructions/Note
			Preservation Code:				R	N	D	N	CB	HA	N	N	D	RA	Q	N	R		
Ka'amilo Wells	30-Jan-2025	1031	G	Water			6	1	1	1	1	6	3	2	1	3	2	2	2		
TB- Ka'amilo Wells	30-Jan-2025	031										2				2					
Halawa Wells Units 1 & 2 **P1**	30-Jan-2025	0953	G	Water			6	1	1	1	1	6	3	2	1	3	2	2	2		
TB- Halawa Wells Units 1 & 2	30-Jan-2025	0953										2				2					

380-133154 COC

Possible Hazard Identification
☐ 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 ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Method of Shipment: (1) FEDEX 7717 8351 6055 (2) 7717 8351 6066

Empty Kit Relinquished by:	Date:	Time:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[redacted]	30 Jan 2025 1400	HBWS		01/31/25 10:27	EEAP
	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: 75W (1) 2.8-0.0=2.8 (2) 1.2-0.0=1.2 GEL-FROZEN

Ver: 01/16/2019

Monrovia, CA (Suite 100)
750 Royal Oaks Drive Suite 100
Monrovia, CA 91016
Phone (626) 386-1100

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Bailey	Lab PM: Arada Rachelle	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 808-748-5840	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: City & County of Honolulu	PWSID:	Analysis Requested		Job #:
Address: 630 South Beretania Street; Chemistry Lab	Due Date 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:
City: Honolulu	TAT Requested (days)			
State, Zip: HI 96843	Compliance Project: Δ No			
Phone: 808-748-5840 (tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL	Project #: 38001111			
Site:	SSOW#:			

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)	504.1_PREC - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	R	X	
Ka'amilo Wells	30-Jan-2025			Water					
TB. Ka'amilo Wells	30-Jan-2025	1031		Water			2		
Halawa Wells Units 1 & 2 **P1**	30-Jan-2025			Water					
TB Halawa Wells Units 1 & 2	30-Jan-2025	0953		Water			2		

Possible Hazard Identification
☐ 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 ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements: RED EX ① 7717 8351 6055 ② 7717 8351 6066

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[illegible]	30 January 2025 1400	HBWS		01/31/25 10:17	EEAP
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: 957A ① 2.8°-0.0°=2.8° ② 1.2°-0.0°=1.2° GEL FROZEN

Ver: 01/16/2019

Shipping Summary

eurofins | Environment Testing

S380-6988

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

Bottle Order Information

Bottle Order: RED-HILL - Quarterly
Bottle Order # 1845
Request From Client: 6/23/2022
Date Order Posted: 6/23/2022 7.29.27AM
Order Status. Shipped
Prepared By. Davis Haley
Deliver By Date: ***6/27/2022 11:59:00PM***

When To Ship:

Project/Event Information

Project Manager: Rachelle Arada
Tel: (626) 386-1106 *Em.* Rachelle Arada@et.eurofinsus.com
Lab Project Number 38001111
Project Ref: RED-HILL
Event Desc:

Client Samples: AIEA GULCH WELLS PUMP 1, AIEA GULCH WELLS PUMP 2, AIEA WELLS P___ (260), HALAWA WELLS UNITS 1 & 2, KAAMILO WELLS, MOANALUA WELLS

Sets	Bottles/Set	Bottle Type Description	Field Filtered	Preservative	Method	Matrix	Comments
6	6	Voa Vial 40ml Amber - Sodium thiosulfate		Sodium Thiosulfate	504.1_PREC - Local Method 505_LL_PREC - (MOD) ML505 +505-EAL Aldrin Dieldrin Tox	Water Water	
6	1	Plastic 250ml - unpreserved		None	2320B - (MOD) Total Alkalinity SM4500_H+ - Local Method 2510B - Conductivity	Water Water Water	
6	1	Plastic 500ml - with Nitric Acid		Nitric Acid	200 8 - Metals, Priority Pollutant by 200 8 200 7 - (MOD) Custom	Water Water	

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples.

Shipping Summary

Client Samples AIEA GULCH WELLS PUMP 1, AIEA GULCH WELLS PUMP 2, AIEA WELLS P___ (260), HALAWA WELLS UNITS 1 & 2, KAAMILO WELLS, MOANALUA WELLS

Sets	Bottles/Set	Bottle Type Description	Field Filtered	Preservative	Method	Matrix	Comments
6	1	Plastic 500ml - unpreserved		None	2540C_Calcd - Total Dissolved Solids (TDS)	Water	
6	1	Plastic 250ml - with Zinc Acetate & NaOH		Zinc Acetate and Sodium Hydroxide	SM4500_S2_D - Sulfide, Total	Water	
6	6	Voa Vial 40ml Amber - Ascor Acid & HCL		Ascorbic Acid and Hydrochloric Acid	524 2_Pres_PREC - VOASDWA plus TICs + Acetone 524 2_SIM_PREC - TBA by 524 2 SIM	Water Water	
6	3	Amber Glass 1 Liter- Sodium Sulfite/HCl		Sodium Sulfite w/HCl	525.2_PREC - 525plus Plus TICs	Water	
6	2	Plastic 125mL - unpreserved		None	300_OF_28D_B - Bromide 4500_F_C - Fluoride 300_OF_28D_PREC - Chloride and Sulfate 300_OF_48H_PREC - Nitrite, Nitrate, and Nitrite+Nitrate	Water Water Water Water	
6	1	Plastic 250ml - with Nitric Acid		Nitric Acid	245 1 - Local Method	Water	
6	3	VOA Vial 40mL - NaThiosulfate/HCL		Sodium Thiosulfate/Hydrochloric Acid	8015B_GRO_LL - (MOD) GRO	Water	
6	2	Amber Glass 500mL - Na2SO3		Sodium Sulfite	8015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C36/C8-C18	Water	
6	2	Voa Vial 40ml - unpreserved		None	8015B_DAI - Ethanol	Water	
6	2	Amber Glass 1 liter - Sodium Thiosulfate		Sodium Thiosulfate	625 1_SIM - (MOD) Extended List 625 1 - (MOD) Tentatively Identified Compounds	Water Water	

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples.

Shipping Summary

Client Samples TB. AIEA GULCH WELLS PUMP 1, TB: AIEA GULCH WELLS PUMP 2, TB: AIEA WELLS PUMPS1&2(260), TB: HALAWA WELLS UNITS 1 & 2, TB: KAAMILO WELLS, TB. MOANALUA WELLS

Sets	Bottles/Set	Bottle Type Description	Field Filtered	Preservative	Method	Matrix	Comments
6	2	Voa Vial 40ml Amber - Ascor Acid & HCL		Ascorbic Acid and Hydrochloric Acid	524 2_Pres_PREC - VOASDWA plus TICs + Acetone 524.2_SIM_PREC - TBA by 524 2 SIM	Water Water	
6	2	Voa Vial 40ml Amber - Sodium thiosulfate		Sodium Thiosulfate	504.1_PREC - Local Method	Water	
6	2	VOA Vial 40mL - NaThiosulfate/HCL		Sodium Thiosulfate/Hydrochloric Acid	8015B_GRO_LL - (MOD) GRO	Water	

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples.

Eurofins Eaton Analytical South Bend
110 S Hill Street
South Bend IN 46617
Pho[illegible]-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada Rachelle	Carrier Tracking No(s): N/A	COC No: 810-51716 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 2
Company: Eurofins Eaton Analytical		Accreditations Required (See note): State - Hawaii		Job #: 380-133154-1
Address: 941 Corporate Center Drive, ,	Due Date Requested: 2/12/2025			Preservation Codes: -
City: Pomona	TAT Requested (days): N/A			
State, Zip: CA, 91768-2642				
Phone: 626-386-1100(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7/Auto_ME_NoPrep (MOD) Custom	200.8/Auto_ME_NoPrep (MOD) Metals, Priority Pollutant by 200	2320B/ (MOD) Total Alkalinity	2510B/ Conductivity	2540C_Calcd/ Total Dissolved Solids (TDS)	300_OF_14D_B/ Bromide	300_OF_28D_PREC/ Chloride and Sulfate	300_OF_48H_PREC/ Nitrite, Nitrate, and Nitrite+Nitrate	4500_F_C/ Fluoride	504.1_PREC/504.1_Prep EDB, DBCP and 1,2,3-TCP (GC)	525.2_PREC/525.2_Prep (MOD) 525plus Plus TICs	SM4500_H+	SM4500_S2_D	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
Ka'amilo Wells (380-133154-1)	1/30/25	10:31 Hawaiian	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	2	Analyze TB
133154-3 (1)																					
ANW 02/04/2025																					

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: FEDEX 4244 2589 2267
Relinquished by: Kenny Kehuy Wight	Date/Time: 02/04/2025 1330	Company: EEA SB	Received by:	Date/Time: 02/05/25 10:24	Company: EEAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seal No.			Cooler Temperature(s) °C and Other Remarks: 757A) 2.6 - 0.0 = 2.6 REAL FROZEN

Eurofins Eaton Analytical South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada, Rachelle	Carrier Tracking No(s): N/A	COC No: 810-51716 2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 2 of 2
Company: Eurofins Eaton Analytical		Accreditations Required (See note): State - Hawaii		Job #: 380-133154-1
Address: 941 Corporate Center Drive,	Due Date Requested: 2/12/2025			Preservation Codes: -
City: Pomona	TAT Requested (days): N/A			
State, Zip: CA, 91768-2642				
Phone: 626-386-1100(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	505_PREC/505_Prep_14D (MOD) ML505 +505-EAL Aldrin Dieldrin Tox	524 2_SIM_PREC/ TBA by 524.2 SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
Ka'amilo Wells (380-133154-1)	1/30/25	10.31 Hawaiian	G	Water			X	X	2	Analyze TB

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: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ 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: FEDEX 4244 2589 2267

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Perry Pehlup Wyatt	02/04/2025 1330	EEA SB		02/05/25 10:24	EEAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seal Intact: Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 4574 2.6 -0.0 = 2.6° RESI-FROZEN

Eurofins Eaton Analytical South Bend
110 S Hill Street
South Bend IN 46617
Phone. 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada Rachelle	Carrier Tracking No(s): N/A	COC No: 810-51723 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 2
Company: Eurofins Eaton Analytical		Accreditations Required (See note): State - Hawaii		Job #: 380-133154-1
Address: 941 Corporate Center Drive,	Due Date Requested: 2/12/2025			Preservation Codes: -
City: Pomona	TAT Requested (days): N/A			
State Zip: CA, 91768-2642				
Phone: 626-386-1100(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

Analysis Requested

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)	200.7/Auto_ME_NoPrep (MOD) Custom	200.8/200.8_P_TR (MOD) Metals, Priority Pollutant by 200.	200.8/Auto_ME_NoPrep (MOD) Metals, Priority Pollutant by 200	2320B/ (MOD) Total Alkalinity	2510B/ Conductivity	2540C_Calcd/ Total Dissolved Solids (TDS)	300_OF_14D_B/ Bromide	300_OF_28D_PREC/ Chloride and Sulfate	300_OF_48H_PREC/ Nitrite, Nitrate, and Nitrite+Nitrate	4500_F_C/ Fluoride	504.1_PREC/504.1_Prep EDB, DBCP and 1,2,3 TCP (GC)	525.2_PREC/525.2_Prep (MOD) 525plus Plus TICs	SM4500_H+	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) (380-133154	1/30/25	09:53 Hawaiian	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	2	Analyze TB
TB HALAWA WELLS UNITS 1&2 (331-206-TP065) (380-133154	1/30/25	09:53 Hawaiian	G	Water																1	Analyze TB

VOC Only
02/04/2025

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: FEDEX 4244 2589 2267
Relinquished by: Penny Pehling Wright	Date/Time: 02/04/2025 1330	Company: EEA SB	Received by:	Date/Time: 02/05/25 10:24	Company: EEAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact:	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 757A 2.6-0.0=2.6 REAL-FROZEN

Eurofins Eaton Analytical South Bend
110 S Hill Street
South Bend, IN 46617
Phone. 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada, Rachelle	Carrier Tracking No(s): N/A	COC No: 810-51723.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachelle.Arada@et.eurofinsus com	State of Origin: Hawaii	Page: Page 2 of 2
Company: Eurofins Eaton Analytical		Accreditations Required (See note): State - Hawaii		Job #: 380-133154-1
Address: 941 Corporate Center Drive, ,	Due Date Requested: 2/12/2025			Preservation Codes: -
City: Pomona	TAT Requested (days): N/A			
State, Zip: CA, 91768-2642				
Phone: 626-386-1100(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

Analysis Requested

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)	SM4500_S2_D	505_PREC/505_Prep_14D (MOD) ML505 +505-EAL Aldrin Dieldrin Tox	524 2_SIM_PREC/ TBA by 524.2 SIM	504.1_PREC/504.1_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) (380-133154	1/30/25	09.53 Hawaiian	G	Water			X	X	X		2	Analyze TB
TB HALAWA WELLS UNITS 1&2 (331-206-TP065) (380-133154-	1/30/25	09:53 Hawaiian	G	Water					X	X	1	Analyze TB

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: FEDEX 4244 2589 2267
Relinquished by: Penny Pehley Wilt	Date/Time: 02/04/2025 1330	Company: FEA&B	Received by:	Date/Time: 02/05/25 10:24	Company: EEAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 7518 2.6-0.0=2.6 REAL-FROZEN

Ver: 10/10/2024

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

Chain of Custody Record

eurofins | Envir

Loc. 380
133154

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada, Rachelle	Carrier Tracking No(s): N/A	COC No: 380-187498.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State Hawaii		Job #: 380-133154-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 2/13/2025			
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: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DAU Ethanol	8015B_DRO_LL_C8/35106C_LL HNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C (MOD) GRO	625.1_SIM/625_Prep (MOD) Extended List	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
Ka'amilo Wells (380-133154-1)	1/30/25	10:31 Hawaiian	G	Water			X	X	X	X	6	MRLs are needed. MRLs are needed. Confirm any hits >RL.
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-133154-2)	1/30/25	09:53 Hawaiian	G	Water			X	X	X	X	6	MRLs are needed. MRLs are needed. Confirm any hits >RL.
TB: Ka'amilo Wells (380-133154-3)	1/30/25	10:31 Hawaiian	G	Water					X		2	MRLs are needed.
TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) (380-133154	1/30/25	09:53 Hawaiian	G	Water					X		1	MRLs are needed.

380-133154 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
1	[signature]	2/1/25 1010	EEAP	Erin Lom	2/1/25 1010	WP
2	Erin Lom	2/1/25 1600	WP	[signature]	2-1-25 1100	EC
3						

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 2.1 / 2.8 SG2

Ver: 10/10/2024

Eurofins Eaton Analytical South Bend

110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada, Rachelle	Carrier Tracking No(s): N/A	COC No: 810-51723.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 2
Company: Eurofins Eaton Analytical		Accreditations Required (See note): State - Hawaii		Job #: 380-133154-1
Address: 941 Corporate Center Drive, ,	Due Date Requested: 2/12/2025	Analysis Requested		Preservation Codes: -
City: Pomona	TAT Requested (days): N/A			
State, Zip: CA, 91768-2642				
Phone: 626-386-1100(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			Other:
Site: Honolulu BWS Sites	SSOW#: N/A			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)	200.7/Auto_ME_NoPrep (MOD) Custom	200.8/200.8_P_TR (MOD) Metals, Priority Pollutant by 200.	200.8/Auto_ME_NoPrep (MOD) Metals, Priority Pollutant by 200.	2320B/ (MOD) Total Alkalinity	2510B/ Conductivity	2540C_Calcd/ Total Dissolved Solids (TDS)	300_OF_14D_B/ Bromide	300_OF_28D_PREC/ Chloride and Sulfate	300_OF_48H_PREC/ Nitrite, Nitrate, and Nitrite+Nitrate	4500_F_C/ Fluoride	504.1_PREC/504.1_Prep EDB, DBCP and 1,2,3-TCP (GC)	525.2_PREC/525.2_Prep (MOD) 525plus Plus TICs	SM4500_H+	Total Number of containers	Special Instructions/Note:
				Preservation Code:																	
HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) (380-133154	1/30/25	09:53 Hawaiian	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	2	, Analyze TB
TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) (380-133154-	1/30/25	09:53 Hawaiian	G	Water																1	Analyze TB

} VOC only amus 02/04/2025

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
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *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: Perry Pehling Wright	Date/Time: 02/04/2025 1330	Company: EEA SB	Received by:	Date/Time:	Company
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:		

Ver: 10/10/2024

Eurofins Eaton Analytical South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada, Rachelle	Carrier Tracking No(s): N/A	COC No: 810-51723.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 2 of 2
Company: Eurofins Eaton Analytical		Accreditations Required (See note): State - Hawaii		Job #: 380-133154-1
Address: 941 Corporate Center Drive, ,	Due Date Requested: 2/12/2025			
City: Pomona	TAT Requested (days): N/A			
State, Zip: CA, 91768-2642				
Phone: 626-386-1100(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
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)	SM4500_S2_D	505_PREC/505_Prep_14D (MOD) ML505 +505-EAL Aldrin Dieldrin Tox	524.2_SIM_PREC/ TBA by 524.2 SIM	504.1_PREC/504.1_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) (380-133154	1/30/25	09:53 Hawaiian	G	Water			X	X	X		2	, Analyze TB
TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) (380-133154	1/30/25	09:53 Hawaiian	G	Water					X	X	1	Analyze TB

Analysis Requested

Preservation Codes: -

Other: N/A

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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
Penny Pehling Wiltse	02/04/2025 1330	EEA SB			
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

Ver: 10/10/2024

Eurofins Eaton Analytical South Bend
110 S Hill Street
South Bend, IN 46617
Phone: 574-233-4777 Fax: 574-233-8207

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada, Rachelle	Carrier Tracking No(s): N/A	COC No: 810-51716.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 2
Company: Eurofins Eaton Analytical		Accreditations Required (See note): State - Hawaii		Job #: 380-133154-1
Address: 941 Corporate Center Drive,	Due Date Requested: 2/12/2025			
City: Pomona	TAT Requested (days): N/A			
State, Zip: CA, 91768-2642				
Phone: 626-386-1100(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
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)	200.7/Auto_ME_NoPrep (MOD) Custom	200.8/Auto_ME_NoPrep (MOD) Metals, Priority Pollutant by 200.	2320B/ (MOD) Total Alkalinity	2510B/ Conductivity	2540C_Calcd/ Total Dissolved Solids (TDS)	300_OF_14D_B/ Bromide	300_OF_28D_PREC/ Chloride and Sulfate	300_OF_48H_PREC/ Nitrite, Nitrate, and Nitrite+Nitrate	4500_F_C/ Fluoride	504.1_PREC/504.1_Prep EDB, DBCP and 1,2,3-TCP (GC)	525.2_PREC/525.2_Prep (MOD) 525plus Plus TICs	SM4500_H+	SM4500_S2_D	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
Ka'amilo Wells (380-133154-1)	1/30/25	10:31 Hawaiian	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	2	, Analyze TB
133154-3 (1)																					
ANW 02/04/2025																					

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
Penny Pehlig Wright	02/04/2025 1330	EEASB			
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

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada, Rachelle	Carrier Tracking No(s): N/A	COC No: 380-187512.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Eaton Analytical		Accreditations Required (See note): State - Hawaii		Job #: 380-133154-1
Address: 110 S Hill Street, ,	Due Date Requested: 2/13/2025			
City: South Bend	TAT Requested (days): N/A			
State, Zip: IN, 46617				
Phone: 574-233-4777(Tel) 574-233-8207(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			

Preservation Codes: -

Initial Temp: 1.0
Corrected Temp: 0.6
IR Gun # 28
wet

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	245.1/245.1_Prep Mercury by 245.1	524.2_Pres_PREC/ VOASDWA plus TICs + Acetone	524.2_Pres_PREC/ (MOD) VOC_524.2 Extended (TBA)	524.2_TTHM_Sum/ Total Trihalomethanes - Summary	Special Instructions/Note:
			Preservation Code:		X	X					
Ka'amilo Wells (380-133154-1)	1/30/25	10:31 Hawaiian	G	Water			X	X	X	X	
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-133154-2)	1/30/25	09:53 Hawaiian	G	Water			X	X	X	X	
TB: Ka'amilo Wells (380-133154-3)	1/30/25	10:31 Hawaiian	G	Water				X	X	X	
TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) (380-133154-	1/30/25	09:53 Hawaiian	G	Water				X	X	X	
Client Provided Sample Container											

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: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ 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
Guillermo V	1/31/25 7:28		Penny Pehling Wright	02/04/2025 0900	EEASB
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:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-133154-1
SDG Number: Quarterly

Login Number: 133154
List Number: 1
Creator: Ngo, Theodore

List Source: Eurofins Eaton Analytical Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
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).	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: 380-133154-1
SDG Number: Quarterly

Login Number: 133154
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 02/03/25 11:56 AM

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	2.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-133154-1
SDG Number: Quarterly

Login Number: 133154
List Number: 3
Creator: Pehling-Wright, Penny

List Source: Eurofins Eaton Analytical South Bend
List Creation: 02/04/25 01:14 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and 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	
Samples do not require splitting or compositing.	True	
Container provided by EEA	False	Client provided containers