eurofins | Environment Testing

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 7/22/2025 5:45:36 PM

JOB DESCRIPTION

RED-HILL
Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

JOB NUMBER

380-158427-1

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

See page two for job notes and contact information.

Eurofins Eaton Analytical Pomona

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below. (DW,Water matrices)

Authorization

Generated
7/22/2025 5:45:36 PM

Authorized for release by
Maria Lopez, Project Manager
Maria.Lopez@et.eurofinsus.com
(626)386-1100

Table of Contents

Qualifiers

GC/MS 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.

GC/MS 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/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
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
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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
380-158427-1

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 7/3/2025 9:42 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 2.9°C and 3.5°C.

Receipt Exceptions
The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MOANALUA WELLS (331-223-TP202) (380-158427-1) and HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-158427-2).

Received Nitrates out of holding time. The client was notified and advised to cancel analysis for nitrates and a resample will take place for MOANALUA WELLS (331-223-TP202) (380-158427-1) and HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-158427-2). (XWB4)

GC/MS VOA
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 570-593529 and analytical batch 570-598195 recovered outside control limits for the following analyte(s): Aniline and Benzidine. Aniline and Benzidine have 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 570-593529 and analytical batch 570-598195 recovered outside control limits for the following analytes: Aniline and Benzidine. Method 625.1_SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-593529 and analytical batch 570-598195 were outside control limits. Sample matrix interference is suspected.
Method 625.1_SIM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 570-593529 and analytical batch 570-598195 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample 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.

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 method reporting limit check (MRL) for preparation batch 570-593672 and analytical batch 570-598242 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported. Method: 8015B_DRO_LL_CS
Method 8015B_DRO_LL_CS: The spiking solution was inadvertently omitted during the extraction process for the laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) associated with preparation batch 570-593672; therefore, percent recoveries are unavailable. Due to <expired holding times, the affected samples could not be re-prepared and.or re-analyzed, and the results have been reported. Method: 8015B_DRO_LL_CS. Data excluded due to this QC failure. (XWB4)

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

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

Hydrocarbons
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
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
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: 380-158427-1
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

Client Sample ID: MOANALUA WELLS (331-223-TP202) — Lab Sample ID: 380-158427-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Bromide	310		5.0		ug/L	1		300.0	Total/NA
Chloride	110		2.5		mg/L	5		300.0	Total/NA
Sulfate	17		0.25		mg/L	1		300.0	Total/NA
Calcium	21		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	20		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	2.5		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	44		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	2.1		0.90		ug/L	1		200.8	Total/NA
Copper	7.2		1.0		ug/L	1		200.8	Total/NA
Alkalinity	52		4.0		mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	52		4.0		mg/L	1		SM 2320B	Total/NA
Specific Conductance	520		2.0		umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	350		20		mg/L	1		SM 2540C	Total/NA
pH	8.0	HF			SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) — Lab Sample ID: 380-158427-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.039		0.0098		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		0.0098		ug/L	1		525.2	Total/NA
Chlordane (n.o.s.)	0.25		0.099		ug/L	1		505	Total/NA
Bromide	690		25		ug/L	5		300.0	Total/NA
Chloride	180		2.5		mg/L	5		300.0	Total/NA
Sulfate	44		0.50		mg/L	2		300.0	Total/NA
Calcium	33		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	31		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	3.9		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	72		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	2.3		0.90		ug/L	1		200.8	Total/NA
Selenium	2.5		2.0		ug/L	1		200.8	Total/NA
Zinc	14		5.0		ug/L	1		200.8	Total/NA
Alkalinity	65		4.0		mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	65		4.0		mg/L	1		SM 2320B	Total/NA
Specific Conductance	840		2.0		umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	530		20		mg/L	1		SM 2540C	Total/NA
Fluoride	0.053		0.050		mg/L	1		SM 4500 F C	Total/NA
pH	7.9	HF			SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202) — Lab Sample ID: 380-158427-3

No Detections.

Client Sample ID: TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) — Lab Sample ID: 380-158427-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Date Collected: 07/01/25 09:44
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158427-1

Matrix: Drinking 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			07/06/25 15:39	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			07/06/25 15:39	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/25 15:39	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/25 15:39	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/25 15:39	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			07/06/25 15:39	1
1,1-Dichlorethylene	<0.50		0.50		ug/L			07/06/25 15:39	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/25 15:39	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/25 15:39	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/06/25 15:39	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/25 15:39	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 15:39	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/25 15:39	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			07/06/25 15:39	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 15:39	1
2-Butanone (MEK)	<5.0		5.0		ug/L			07/06/25 15:39	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			07/06/25 15:39	1
Acetone	<500		500		ug/L			07/06/25 15:39	1
Benzene	<0.50		0.50		ug/L			07/06/25 15:39	1
Bromobenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/25 15:39	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/25 15:39	1
Bromoethane	<0.50		0.50		ug/L			07/06/25 15:39	1
Bromoform	<0.50		0.50		ug/L			07/06/25 15:39	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			07/06/25 15:39	1
Carbon disulfide	<0.50		0.50		ug/L			07/06/25 15:39	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/25 15:39	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
Chlorodibromomethane	<0.50		0.50		ug/L			07/06/25 15:39	1
Chloroethane	<0.50		0.50		ug/L			07/06/25 15:39	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			07/06/25 15:39	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			07/06/25 15:39	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 15:39	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 15:39	1
Dibromomethane	<0.50		0.50		ug/L			07/06/25 15:39	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/25 15:39	1
Dichloromethane	<0.50		0.50		ug/L			07/06/25 15:39	1
Diisopropyl ether	<3.0		3.0		ug/L			07/06/25 15:39	1
Ethylbenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/25 15:39	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
m,p-Xylenes	<0.50		0.50		ug/L			07/06/25 15:39	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			07/06/25 15:39	1

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-158427-1

Date Collected: 07/01/25 09:44
Matrix: Drinking Water
Date Received: 07/03/25 09:42

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			07/06/25 15:39	1
Naphthalene	<0.50		0.50		ug/L			07/06/25 15:39	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
N-Propylbenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
o-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 15:39	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			07/06/25 15:39	1
o-Xylene	<0.50		0.50		ug/L			07/06/25 15:39	1
p-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 15:39	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			07/06/25 15:39	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/25 15:39	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
Styrene	<0.50		0.50		ug/L			07/06/25 15:39	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			07/06/25 15:39	1
Tert-butyl ethyl ether	<3.0		3.0		ug/L			07/06/25 15:39	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/25 15:39	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			07/06/25 15:39	1
Toluene	<0.50		0.50		ug/L			07/06/25 15:39	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 15:39	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 15:39	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			07/06/25 15:39	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			07/06/25 15:39	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			07/06/25 15:39	1
Vinyl Chloride (VC)	<0.30		0.30		ug/L			07/06/25 15:39	1
Xylenes, Total	<0.50		0.50		ug/L			07/06/25 15:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*07/06/25 15:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/06/25 15:39*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*07/06/25 15:39*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*07/06/25 15:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/06/25 15:39*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*07/06/25 15:39*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*07/06/25 15:39*	*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		07/08/25 13:40	07/09/25 12:25	1
2,4'-DDE	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
2,4'-DDT	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
2,4-Dinitrotoluene	<0.097	*1	0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
2,6-Dinitrotoluene	<0.097	*1	0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
4,4'-DDD	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
4,4'-DDE	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
4,4'-DDT	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Acenaphthene	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Acenaphthylene	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Acetochlor	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Alachlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-158427-1

Date Collected: 07/01/25 09:44
Date Received: 07/03/25 09:42

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		07/08/25 13:40	07/09/25 12:25	1
alpha-Chlordane	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Anthracene	<0.019	F1	0.019		ug/L		07/08/25 13:40	07/09/25 12:25	1
Atrazine	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Benz(a)anthracene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Benzo[a]pyrene	<0.019		0.019		ug/L		07/08/25 13:40	07/09/25 12:25	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		07/08/25 13:40	07/09/25 12:25	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		07/08/25 13:40	07/09/25 12:25	1
beta-BHC	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		07/08/25 13:40	07/09/25 12:25	1
Aldrin	<0.0097		0.0097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Bromacil	<0.097	*1	0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Butachlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Butylbenzylphthalate	<0.49		0.49		ug/L		07/08/25 13:40	07/09/25 12:25	1
Chlorobenzilate	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Chloroneb	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Chlorpyrifos	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Chrysene	<0.019		0.019		ug/L		07/08/25 13:40	07/09/25 12:25	1
delta-BHC	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		07/08/25 13:40	07/09/25 12:25	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Dieldrin	<0.0097	^3+	0.0097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Diethylphthalate	<0.49		0.49		ug/L		07/08/25 13:40	07/09/25 12:25	1
Dimethylphthalate	<0.49		0.49		ug/L		07/08/25 13:40	07/09/25 12:25	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		07/08/25 13:40	07/09/25 12:25	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Endosulfan sulfate	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Endrin	<0.0097		0.0097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Endrin aldehyde	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
EPTC	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Fluoranthene	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Fluorene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
gamma-BHC (Lindane)	<0.0097		0.0097		ug/L		07/08/25 13:40	07/09/25 12:25	1
gamma-Chlordane	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Heptachlor	<0.0097		0.0097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Hexachlorobenzene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Isophorone	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Malathion	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Methoxychlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Metolachlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Molinate	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Date Collected: 07/01/25 09:44
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158427-1

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Parathion	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Phenanthrene	<0.039		0.039		ug/L		07/08/25 13:40	07/09/25 12:25	1
Propachlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Pyrene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Simazine	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Terbacil	<0.097	*1	0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Terbuthylazine	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Thiobencarb	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		07/08/25 13:40	07/09/25 12:25	1
trans-Nonachlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:25	1
Trifluralin	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
1-Methylnaphthalene	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1
2-Methylnaphthalene	<0.097		0.097		ug/L		07/08/25 13:40	07/09/25 12:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.93*	*T J*	*ug/L*		*6.34*	*N/A*	*07/08/25 13:40*	*07/09/25 12:25*	*1*
Unknown	*0.74*	*T J*	*ug/L*		*6.65*	*N/A*	*07/08/25 13:40*	*07/09/25 12:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*92*		*70 - 130*	*07/08/25 13:40*	*07/09/25 12:25*	*1*
Perylene-d12	*92*		*70 - 130*	*07/08/25 13:40*	*07/09/25 12:25*	*1*
Triphenylphosphate	*116*		*70 - 130*	*07/08/25 13:40*	*07/09/25 12:25*	*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		07/07/25 05:12	07/17/25 00:52	1
2,4,5-Trichlorophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 00:52	1
2,4,6-Trichlorophenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 00:52	1
2,4-Dichlorophenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 00:52	1
2,4-Dinitrophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 00:52	1
2,6-Dichlorophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 00:52	1
2-Chloronaphthalene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
2-Chlorophenol	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
2-Methylnaphthalene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
2-Methylphenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 00:52	1
2-Nitroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 00:52	1
2-Nitrophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 00:52	1
3/4-Methylphenol	<1.9		1.9		ug/L		07/07/25 05:12	07/17/25 00:52	1
3-Nitroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 00:52	1
4,6-Dinitro-2-methylphenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 00:52	1
4-Bromophenyl phenyl ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
4-Chloro-3-methylphenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 00:52	1
4-Chloroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 00:52	1
4-Chlorophenyl phenyl ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
4-Nitroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 00:52	1
4-Nitrophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 00:52	1
Acenaphthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Acenaphthylene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Date Collected: 07/01/25 09:44
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158427-1

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aniline	<0.19	*- *1	0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Anthracene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Benzidine	<4.8	*- *1	4.8		ug/L		07/07/25 05:12	07/17/25 00:52	1
Benzo[a]anthracene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Benzo[a]pyrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Benzoic acid	<9.7		9.7		ug/L		07/07/25 05:12	07/17/25 00:52	1
Benzyl alcohol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 00:52	1
Bis(2-chloroethoxy)methane	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Bis(2-chloroethyl)ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
bis (2-Chloroisopropyl) ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Chrysene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Dibenzofuran	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Fluoranthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Fluorene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Hexachloroethane	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Naphthalene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Nitrobenzene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
N-Nitrosodi-n-propylamine	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
N-Nitrosodiphenylamine	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Pentachlorophenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 00:52	1
Phenanthrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1
Phenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 00:52	1
Pyrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*28 - 127*	*07/07/25 05:12*	*07/17/25 00:52*	*1*
2-Fluorobiphenyl (Surr)	*81*		*31 - 120*	*07/07/25 05:12*	*07/17/25 00:52*	*1*
2-Fluorophenol (Surr)	*43*		*17 - 120*	*07/07/25 05:12*	*07/17/25 00:52*	*1*
Nitrobenzene-d5 (Surr)	*84*		*27 - 120*	*07/07/25 05:12*	*07/17/25 00:52*	*1*
Phenol-d6 (Surr)	*25*		*10 - 120*	*07/07/25 05:12*	*07/17/25 00:52*	*1*
p-Terphenyl-d14 (Surr)	*83*		*45 - 120*	*07/07/25 05:12*	*07/17/25 00:52*	*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-	*14*	*T J N*	*ug/L*		*2.79*	*107-86-8*	*07/07/25 05:12*	*07/17/25 12:02*	*1*
Hexane, 2,3-dimethyl-	*9.2*	*T J N*	*ug/L*		*2.88*	*584-94-1*	*07/07/25 05:12*	*07/17/25 12:02*	*1*
1-(1-Methyl-cyclohexyl)-ethanone	*13*	*T J N*	*ug/L*		*3.01*	*1000193-88-2*	*07/07/25 05:12*	*07/17/25 12:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*33 - 139*	*07/07/25 05:12*	*07/17/25 12:02*	*1*
2-Fluorobiphenyl (Surr)	*83*		*33 - 126*	*07/07/25 05:12*	*07/17/25 12:02*	*1*
2-Fluorophenol (Surr)	*50*		*12 - 120*	*07/07/25 05:12*	*07/17/25 12:02*	*1*
Nitrobenzene-d5 (Surr)	*86*		*36 - 120*	*07/07/25 05:12*	*07/17/25 12:02*	*1*
Phenol-d6 (Surr)	*27*		*10 - 120*	*07/07/25 05:12*	*07/17/25 12:02*	*1*

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Date Collected: 07/01/25 09:44
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158427-1

Matrix: Drinking Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	*91*		*47 - 131*	*07/07/25 05:12*	*07/17/25 12:02*	*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			07/13/25 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*56*		*38 - 134*		*07/13/25 15:08*	*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		07/07/25 14:37	07/07/25 21:54	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		07/07/25 14:37	07/07/25 21:54	1
1,2-Dibromoethane	<0.010		0.010	ug/L		07/07/25 14:37	07/07/25 21:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	*95*		*60 - 140*	*07/07/25 14:37*	*07/07/25 21:54*	*1*

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.49		0.49	ug/L		07/03/25 13:25	07/03/25 16:49	1
Chlordane (n.o.s.)	<0.099		0.099	ug/L		07/03/25 13:25	07/03/25 16:49	1
PCB-1016	<0.069		0.069	ug/L		07/03/25 13:25	07/03/25 16:49	1
PCB-1221	<0.099		0.099	ug/L		07/03/25 13:25	07/03/25 16:49	1
PCB-1232	<0.099		0.099	ug/L		07/03/25 13:25	07/03/25 16:49	1
PCB-1242	<0.099		0.099	ug/L		07/03/25 13:25	07/03/25 16:49	1
PCB-1248	<0.099		0.099	ug/L		07/03/25 13:25	07/03/25 16:49	1
PCB-1254	<0.099		0.099	ug/L		07/03/25 13:25	07/03/25 16:49	1
PCB-1260	<0.069		0.069	ug/L		07/03/25 13:25	07/03/25 16:49	1
Polychlorinated biphenyls, Total	<0.099		0.099	ug/L		07/03/25 13:25	07/03/25 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*97*		*70 - 130*	*07/03/25 13:25*	*07/03/25 16:49*	*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			07/15/25 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	*97*		*54 - 120*		*07/15/25 12:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**310**		5.0	ug/L			07/04/25 00:18	1
Chloride	**110**		2.5	mg/L			07/04/25 17:09	5
Sulfate	**17**		0.25	mg/L			07/03/25 14:49	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**21**		0.10	mg/L			07/07/25 12:27	1
Magnesium	**20**		0.10	mg/L			07/07/25 12:27	1

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-158427-1
Date Collected: 07/01/25 09:44
Matrix: Drinking Water
Date Received: 07/03/25 09:42

Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**2.5**		0.10		mg/L			07/07/25 12:27	1
Sodium	**44**		0.10		mg/L			07/07/25 12:27	1

Method: EPA 200.8 - Mercury (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		07/07/25 09:12	07/08/25 11:44	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			07/07/25 18:22	1
Arsenic	<1.0		1.0		ug/L			07/07/25 18:22	1
Beryllium	<0.30		0.30		ug/L			07/07/25 18:22	1
Cadmium	<0.50		0.50		ug/L			07/07/25 18:22	1
Chromium	**2.1**		0.90		ug/L			07/07/25 18:22	1
Copper	**7.2**		1.0		ug/L			07/07/25 18:22	1
Lead	<0.50		0.50		ug/L			07/07/25 18:22	1
Nickel	<1.0		1.0		ug/L			07/07/25 18:22	1
Selenium	<2.0		2.0		ug/L			07/07/25 18:22	1
Silver	<0.50		0.50		ug/L			07/07/25 18:22	1
Thallium	<0.30		0.30		ug/L			07/07/25 18:22	1
Zinc	<5.0		5.0		ug/L			07/07/25 18:22	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**52**		4.0		mg/L			07/07/25 16:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**52**		4.0		mg/L			07/07/25 16:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0		mg/L			07/07/25 16:53	1
Specific Conductance (SM 2510B)	**520**		2.0		umhos/cm			07/07/25 16:53	1
Total Dissolved Solids (SM 2540C)	**350**		20		mg/L			07/07/25 16:08	1
Fluoride (SM 4500 F C)	<0.050		0.050		mg/L			07/07/25 21:10	1
pH (SM 4500 H+ B)	**8.0**	**HF**			SU			07/07/25 16:53	1
Sulfide (SM 4500 S2 D)	<0.050		0.050		mg/L			07/07/25 16:45	1

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

Lab Sample ID: 380-158427-2
Date Collected: 07/01/25 10:29
Matrix: Drinking Water
Date Received: 07/03/25 09:42

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			07/06/25 16:01	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			07/06/25 16:01	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/25 16:01	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/25 16:01	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/25 16:01	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			07/06/25 16:01	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Lab Sample ID: 380-158427-2
Date Collected: 07/01/25 10:29
Matrix: Drinking Water
Date Received: 07/03/25 09:42

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichlorethylene	<0.50		0.50		ug/L			07/06/25 16:01	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/25 16:01	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/25 16:01	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/06/25 16:01	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/25 16:01	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 16:01	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/25 16:01	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			07/06/25 16:01	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 16:01	1
2-Butanone (MEK)	<5.0		5.0		ug/L			07/06/25 16:01	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			07/06/25 16:01	1
Acetone	<500		500		ug/L			07/06/25 16:01	1
Benzene	<0.50		0.50		ug/L			07/06/25 16:01	1
Bromobenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/25 16:01	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/25 16:01	1
Bromoethane	<0.50		0.50		ug/L			07/06/25 16:01	1
Bromoform	<0.50		0.50		ug/L			07/06/25 16:01	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			07/06/25 16:01	1
Carbon disulfide	<0.50		0.50		ug/L			07/06/25 16:01	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/25 16:01	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
Chlorodibromomethane	<0.50		0.50		ug/L			07/06/25 16:01	1
Chloroethane	<0.50		0.50		ug/L			07/06/25 16:01	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			07/06/25 16:01	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			07/06/25 16:01	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 16:01	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 16:01	1
Dibromomethane	<0.50		0.50		ug/L			07/06/25 16:01	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/25 16:01	1
Dichloromethane	<0.50		0.50		ug/L			07/06/25 16:01	1
Diisopropyl ether	<3.0		3.0		ug/L			07/06/25 16:01	1
Ethylbenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/25 16:01	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
m,p-Xylenes	<0.50		0.50		ug/L			07/06/25 16:01	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			07/06/25 16:01	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			07/06/25 16:01	1
Naphthalene	<0.50		0.50		ug/L			07/06/25 16:01	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
N-Propylbenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
o-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 16:01	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			07/06/25 16:01	1
o-Xylene	<0.50		0.50		ug/L			07/06/25 16:01	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Date Collected: 07/01/25 10:29
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158427-2
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
p-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 16:01	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			07/06/25 16:01	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/25 16:01	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
Styrene	<0.50		0.50		ug/L			07/06/25 16:01	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			07/06/25 16:01	1
Tert-butyl ethyl ether	<3.0		3.0		ug/L			07/06/25 16:01	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/25 16:01	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			07/06/25 16:01	1
Toluene	<0.50		0.50		ug/L			07/06/25 16:01	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 16:01	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 16:01	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			07/06/25 16:01	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			07/06/25 16:01	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			07/06/25 16:01	1
Vinyl Chloride (VC)	<0.30		0.30		ug/L			07/06/25 16:01	1
Xylenes, Total	<0.50		0.50		ug/L			07/06/25 16:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.62*	*T J*	*ug/L*		*1.95*	*N/A*		*07/06/25 16:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*07/06/25 16:01*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*07/06/25 16:01*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*07/06/25 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*07/06/25 16:01*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*07/06/25 16:01*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*07/06/25 16:01*	*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		07/08/25 13:40	07/09/25 12:46	1
2,4'-DDE	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
2,4'-DDT	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
2,4-Dinitrotoluene	<0.098	*1	0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
2,6-Dinitrotoluene	<0.098	*1	0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
4,4'-DDD	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
4,4'-DDE	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
4,4'-DDT	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Acenaphthene	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Acenaphthylene	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Acetochlor	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Alachlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
alpha-BHC	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
alpha-Chlordane	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Anthracene	<0.020		0.020		ug/L		07/08/25 13:40	07/09/25 12:46	1
Atrazine	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Benz(a)anthracene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Benzo[a]pyrene	<0.020		0.020		ug/L		07/08/25 13:40	07/09/25 12:46	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Date Collected: 07/01/25 10:29
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158427-2
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.020		0.020		ug/L		07/08/25 13:40	07/09/25 12:46	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		07/08/25 13:40	07/09/25 12:46	1
beta-BHC	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		07/08/25 13:40	07/09/25 12:46	1
Aldrin	<0.0098		0.0098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Bromacil	<0.098	*1	0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Butachlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Butylbenzylphthalate	<0.49		0.49		ug/L		07/08/25 13:40	07/09/25 12:46	1
Chlorobenzilate	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Chloroneb	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Chlorpyrifos	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Chrysene	<0.020		0.020		ug/L		07/08/25 13:40	07/09/25 12:46	1
delta-BHC	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		07/08/25 13:40	07/09/25 12:46	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Dieldrin	**0.039**		0.0098		ug/L		07/08/25 13:40	07/10/25 09:57	1
Diethylphthalate	<0.49		0.49		ug/L		07/08/25 13:40	07/09/25 12:46	1
Dimethylphthalate	<0.49		0.49		ug/L		07/08/25 13:40	07/09/25 12:46	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		07/08/25 13:40	07/09/25 12:46	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Endosulfan sulfate	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Endrin	<0.0098		0.0098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Endrin aldehyde	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
EPTC	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Fluoranthene	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Fluorene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
gamma-BHC (Lindane)	<0.0098		0.0098		ug/L		07/08/25 13:40	07/09/25 12:46	1
gamma-Chlordane	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Heptachlor	<0.0098		0.0098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Heptachlor epoxide (isomer B)	**0.014**		0.0098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Hexachlorobenzene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Isophorone	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Malathion	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Methoxychlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Metolachlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Molinate	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Naphthalene	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Parathion	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Phenanthrene	<0.039		0.039		ug/L		07/08/25 13:40	07/09/25 12:46	1
Propachlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Date Collected: 07/01/25 10:29
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158427-2
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Simazine	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Terbacil	<0.098	*1	0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Terbuthylazine	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Thiobencarb	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		07/08/25 13:40	07/09/25 12:46	1
trans-Nonachlor	<0.049		0.049		ug/L		07/08/25 13:40	07/09/25 12:46	1
Trifluralin	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
1-Methylnaphthalene	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1
2-Methylnaphthalene	<0.098		0.098		ug/L		07/08/25 13:40	07/09/25 12:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*07/08/25 13:40*	*07/09/25 12:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*93*		*70 - 130*	*07/08/25 13:40*	*07/09/25 12:46*	*1*
2-Nitro-m-xylene	*96*		*70 - 130*	*07/08/25 13:40*	*07/10/25 09:57*	*1*
Perylene-d12	*93*		*70 - 130*	*07/08/25 13:40*	*07/09/25 12:46*	*1*
Perylene-d12	*88*		*70 - 130*	*07/08/25 13:40*	*07/10/25 09:57*	*1*
Triphenylphosphate	*111*		*70 - 130*	*07/08/25 13:40*	*07/09/25 12:46*	*1*
Triphenylphosphate	*101*		*70 - 130*	*07/08/25 13:40*	*07/10/25 09:57*	*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		07/07/25 05:12	07/17/25 01:14	1
2,4,5-Trichlorophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 01:14	1
2,4,6-Trichlorophenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 01:14	1
2,4-Dichlorophenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 01:14	1
2,4-Dinitrophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 01:14	1
2,6-Dichlorophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 01:14	1
2-Chloronaphthalene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
2-Chlorophenol	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
2-Methylnaphthalene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
2-Methylphenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 01:14	1
2-Nitroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 01:14	1
2-Nitrophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 01:14	1
3/4-Methylphenol	<1.9		1.9		ug/L		07/07/25 05:12	07/17/25 01:14	1
3-Nitroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 01:14	1
4,6-Dinitro-2-methylphenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 01:14	1
4-Bromophenyl phenyl ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
4-Chloro-3-methylphenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 01:14	1
4-Chloroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 01:14	1
4-Chlorophenyl phenyl ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
4-Nitroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 01:14	1
4-Nitrophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 01:14	1
Acenaphthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Acenaphthylene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Aniline	<0.19	*- *1	0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Anthracene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Date Collected: 07/01/25 10:29
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158427-2
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
Benzidine	<4.8	*- *1	4.8		ug/L		07/07/25 05:12	07/17/25 01:14	1
Benzo[a]anthracene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Benzo[a]pyrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Benzoic acid	<9.7		9.7		ug/L		07/07/25 05:12	07/17/25 01:14	1
Benzyl alcohol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 01:14	1
Bis(2-chloroethoxy)methane	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Bis(2-chloroethyl)ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
bis (2-Chloroisopropyl) ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Chrysene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Dibenzofuran	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Fluoranthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Fluorene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Hexachloroethane	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Naphthalene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Nitrobenzene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
N-Nitrosodi-n-propylamine	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
N-Nitrosodiphenylamine	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Pentachlorophenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 01:14	1
Phenanthrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1
Phenol	<0.97		0.97		ug/L		07/07/25 05:12	07/17/25 01:14	1
Pyrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*28 - 127*	*07/07/25 05:12*	*07/17/25 01:14*	*1*
2-Fluorobiphenyl (Surr)	*79*		*31 - 120*	*07/07/25 05:12*	*07/17/25 01:14*	*1*
2-Fluorophenol (Surr)	*43*		*17 - 120*	*07/07/25 05:12*	*07/17/25 01:14*	*1*
Nitrobenzene-d5 (Surr)	*86*		*27 - 120*	*07/07/25 05:12*	*07/17/25 01:14*	*1*
Phenol-d6 (Surr)	*27*		*10 - 120*	*07/07/25 05:12*	*07/17/25 01:14*	*1*
p-Terphenyl-d14 (Surr)	*83*		*45 - 120*	*07/07/25 05:12*	*07/17/25 01:14*	*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-	*13*	*T J N*	*ug/L*		*2.79*	*1000152-79-7*	*07/07/25 05:12*	*07/17/25 12:26*	*1*
Hexane, 2,3-dimethyl-	*9.0*	*T J N*	*ug/L*		*2.88*	*584-94-1*	*07/07/25 05:12*	*07/17/25 12:26*	*1*
Cyclohexane, 1-ethyl-2-methyl-, cis-	*12*	*T J N*	*ug/L*		*3.01*	*4923-77-7*	*07/07/25 05:12*	*07/17/25 12:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*33 - 139*	*07/07/25 05:12*	*07/17/25 12:26*	*1*
2-Fluorobiphenyl (Surr)	*80*		*33 - 126*	*07/07/25 05:12*	*07/17/25 12:26*	*1*
2-Fluorophenol (Surr)	*50*		*12 - 120*	*07/07/25 05:12*	*07/17/25 12:26*	*1*
Nitrobenzene-d5 (Surr)	*81*		*36 - 120*	*07/07/25 05:12*	*07/17/25 12:26*	*1*
Phenol-d6 (Surr)	*29*		*10 - 120*	*07/07/25 05:12*	*07/17/25 12:26*	*1*
p-Terphenyl-d14 (Surr)	*88*		*47 - 131*	*07/07/25 05:12*	*07/17/25 12:26*	*1*

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

Lab Sample ID: 380-158427-2

Date Collected: 07/01/25 10:29

Matrix: Drinking Water

Date Received: 07/03/25 09:42

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			07/13/25 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*		*38 - 134*		*07/13/25 15:30*	*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		07/07/25 14:37	07/07/25 22:36	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010		ug/L		07/07/25 14:37	07/07/25 22:36	1
1,2-Dibromoethane	<0.010		0.010		ug/L		07/07/25 14:37	07/07/25 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane (Surr)	*91*		*60 - 140*	*07/07/25 14:37*	*07/07/25 22:36*	*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		07/03/25 13:25	07/03/25 17:11	1
Chlordane (n.o.s.)	**0.25**		0.099		ug/L		07/03/25 13:25	07/03/25 17:11	1
PCB-1016	<0.070		0.070		ug/L		07/03/25 13:25	07/03/25 17:11	1
PCB-1221	<0.099		0.099		ug/L		07/03/25 13:25	07/03/25 17:11	1
PCB-1232	<0.099		0.099		ug/L		07/03/25 13:25	07/03/25 17:11	1
PCB-1242	<0.099		0.099		ug/L		07/03/25 13:25	07/03/25 17:11	1
PCB-1248	<0.099		0.099		ug/L		07/03/25 13:25	07/03/25 17:11	1
PCB-1254	<0.099		0.099		ug/L		07/03/25 13:25	07/03/25 17:11	1
PCB-1260	<0.070		0.070		ug/L		07/03/25 13:25	07/03/25 17:11	1
Polychlorinated biphenyls, Total	<0.099		0.099		ug/L		07/03/25 13:25	07/03/25 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*70 - 130*	*07/03/25 13:25*	*07/03/25 17:11*	*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			07/15/25 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Hexafluoro-2-propanol (Surr)	*94*		*54 - 120*		*07/15/25 12:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**690**		25		ug/L			07/07/25 22:30	5
Chloride	**180**		2.5		mg/L			07/04/25 17:25	5
Sulfate	**44**		0.50		mg/L			07/03/25 15:15	2

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**33**		0.10		mg/L			07/07/25 12:32	1
Magnesium	**31**		0.10		mg/L			07/07/25 12:32	1
Potassium	**3.9**		0.10		mg/L			07/07/25 12:32	1
Sodium	**72**		0.10		mg/L			07/07/25 12:32	1

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

Lab Sample ID: 380-158427-2

Date Collected: 07/01/25 10:29
Date Received: 07/03/25 09:42

Matrix: Drinking Water

Method: EPA 200.8 - Mercury (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		07/07/25 09:12	07/08/25 11:47	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			07/07/25 18:28	1
Arsenic	<1.0		1.0		ug/L			07/07/25 18:28	1
Beryllium	<0.30		0.30		ug/L			07/07/25 18:28	1
Cadmium	<0.50		0.50		ug/L			07/07/25 18:28	1
Chromium	**2.3**		0.90		ug/L			07/07/25 18:28	1
Copper	<1.0		1.0		ug/L			07/07/25 18:28	1
Lead	<0.50		0.50		ug/L			07/07/25 18:28	1
Nickel	<1.0		1.0		ug/L			07/07/25 18:28	1
Selenium	**2.5**		2.0		ug/L			07/07/25 18:28	1
Silver	<0.50		0.50		ug/L			07/07/25 18:28	1
Thallium	<0.30		0.30		ug/L			07/07/25 18:28	1
Zinc	**14**		5.0		ug/L			07/07/25 18:28	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**65**		4.0		mg/L			07/07/25 19:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**65**		4.0		mg/L			07/07/25 19:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0		mg/L			07/07/25 19:13	1
Specific Conductance (SM 2510B)	**840**		2.0		umhos/cm			07/07/25 19:13	1
Total Dissolved Solids (SM 2540C)	**530**		20		mg/L			07/07/25 16:08	1
Fluoride (SM 4500 F C)	**0.053**		0.050		mg/L			07/07/25 21:14	1
pH (SM 4500 H+ B)	**7.9**	**HF**			SU			07/07/25 19:13	1
Sulfide (SM 4500 S2 D)	<0.050		0.050		mg/L			07/07/25 16:45	1

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-158427-3

Date Collected: 07/01/25 09:44
Date Received: 07/03/25 09:42

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			07/06/25 16:24	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			07/06/25 16:24	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			07/06/25 16:24	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/25 16:24	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/25 16:24	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/25 16:24	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/25 16:24	1
1,1-Dichlorethylene	<0.50		0.50		ug/L			07/06/25 16:24	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/25 16:24	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/06/25 16:24	1

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

Job ID: 380-158427-1
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)
Date Collected: 07/01/25 09:44
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158427-3
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/25 16:24	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 16:24	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/25 16:24	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 16:24	1
2-Butanone (MEK)	<5.0		5.0		ug/L			07/06/25 16:24	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			07/06/25 16:24	1
Acetone	<500		500		ug/L			07/06/25 16:24	1
Benzene	<0.50		0.50		ug/L			07/06/25 16:24	1
Bromobenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/25 16:24	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/25 16:24	1
Bromoform	<0.50		0.50		ug/L			07/06/25 16:24	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			07/06/25 16:24	1
Carbon disulfide	<0.50		0.50		ug/L			07/06/25 16:24	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/25 16:24	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
Chlorodibromomethane	<0.50		0.50		ug/L			07/06/25 16:24	1
Chloroethane	<0.50		0.50		ug/L			07/06/25 16:24	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			07/06/25 16:24	1
Dichloromethane	<0.50		0.50		ug/L			07/06/25 16:24	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 16:24	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 16:24	1
Dibromomethane	<0.50		0.50		ug/L			07/06/25 16:24	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/25 16:24	1
Ethylbenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/25 16:24	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
m,p-Xylenes	<0.50		0.50		ug/L			07/06/25 16:24	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			07/06/25 16:24	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			07/06/25 16:24	1
Naphthalene	<0.50		0.50		ug/L			07/06/25 16:24	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
N-Propylbenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			07/06/25 16:24	1
o-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 16:24	1
o-Xylene	<0.50		0.50		ug/L			07/06/25 16:24	1
p-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 16:24	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			07/06/25 16:24	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/25 16:24	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
Styrene	<0.50		0.50		ug/L			07/06/25 16:24	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			07/06/25 16:24	1
Tert-butyl ethyl ether	<3.0		3.0		ug/L			07/06/25 16:24	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/25 16:24	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			07/06/25 16:24	1
Toluene	<0.50		0.50		ug/L			07/06/25 16:24	1

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-158427-3
Date Collected: 07/01/25 09:44
Matrix: Water
Date Received: 07/03/25 09:42

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			07/06/25 16:24	1
Xylenes, Total	<0.50		0.50		ug/L			07/06/25 16:24	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 16:24	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 16:24	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			07/06/25 16:24	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			07/06/25 16:24	1
Vinyl Chloride (VC)	<0.30		0.30		ug/L			07/06/25 16:24	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			07/06/25 16:24	1
Bromoethane	<0.50		0.50		ug/L			07/06/25 16:24	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			07/06/25 16:24	1
Diisopropyl ether	<3.0		3.0		ug/L			07/06/25 16:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetaldehyde	*6.6*	*T J N*	*ug/L*		*1.64*	*75-07-0*		*07/06/25 16:24*	*1*
Furfural	*16*	*T J N*	*ug/L*		*10.11*	*98-01-1*		*07/06/25 16:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*07/06/25 16:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*07/06/25 16:24*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*07/06/25 16:24*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*07/06/25 16:24*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*07/06/25 16:24*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*07/06/25 16:24*	*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			07/13/25 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*		*38 - 134*		*07/13/25 21:49*	*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		07/07/25 14:37	07/07/25 22:58	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010		ug/L		07/07/25 14:37	07/07/25 22:58	1
1,2-Dibromoethane	<0.010		0.010		ug/L		07/07/25 14:37	07/07/25 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane (Surr)	*97*		*60 - 140*	*07/07/25 14:37*	*07/07/25 22:58*	*1*

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

Lab Sample ID: 380-158427-4
Date Collected: 07/01/25 10:29
Matrix: Water
Date Received: 07/03/25 09:42

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			07/06/25 16:46	1

Client Sample ID: TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)
Lab Sample ID: 380-158427-4
Date Collected: 07/01/25 10:29
Matrix: Water
Date Received: 07/03/25 09:42

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			07/06/25 16:46	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			07/06/25 16:46	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/25 16:46	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/25 16:46	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/25 16:46	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/25 16:46	1
1,1-Dichlorethylene	<0.50		0.50		ug/L			07/06/25 16:46	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/25 16:46	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/06/25 16:46	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/25 16:46	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 16:46	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/25 16:46	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 16:46	1
2-Butanone (MEK)	<5.0		5.0		ug/L			07/06/25 16:46	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			07/06/25 16:46	1
Acetone	<500		500		ug/L			07/06/25 16:46	1
Benzene	<0.50		0.50		ug/L			07/06/25 16:46	1
Bromobenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/25 16:46	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/25 16:46	1
Bromoform	<0.50		0.50		ug/L			07/06/25 16:46	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			07/06/25 16:46	1
Carbon disulfide	<0.50		0.50		ug/L			07/06/25 16:46	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/25 16:46	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
Chlorodibromomethane	<0.50		0.50		ug/L			07/06/25 16:46	1
Chloroethane	<0.50		0.50		ug/L			07/06/25 16:46	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			07/06/25 16:46	1
Dichloromethane	<0.50		0.50		ug/L			07/06/25 16:46	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 16:46	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 16:46	1
Dibromomethane	<0.50		0.50		ug/L			07/06/25 16:46	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/25 16:46	1
Ethylbenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/25 16:46	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
m,p-Xylenes	<0.50		0.50		ug/L			07/06/25 16:46	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			07/06/25 16:46	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			07/06/25 16:46	1
Naphthalene	<0.50		0.50		ug/L			07/06/25 16:46	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
N-Propylbenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			07/06/25 16:46	1
o-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 16:46	1

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

Lab Sample ID: 380-158427-4

Date Collected: 07/01/25 10:29
Date Received: 07/03/25 09:42

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.50		0.50		ug/L			07/06/25 16:46	1
p-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 16:46	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			07/06/25 16:46	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/25 16:46	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
Styrene	<0.50		0.50		ug/L			07/06/25 16:46	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			07/06/25 16:46	1
Tert-butyl ethyl ether	<3.0		3.0		ug/L			07/06/25 16:46	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/25 16:46	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			07/06/25 16:46	1
Toluene	<0.50		0.50		ug/L			07/06/25 16:46	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			07/06/25 16:46	1
Xylenes, Total	<0.50		0.50		ug/L			07/06/25 16:46	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 16:46	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 16:46	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			07/06/25 16:46	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			07/06/25 16:46	1
Vinyl Chloride (VC)	<0.30		0.30		ug/L			07/06/25 16:46	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			07/06/25 16:46	1
Bromoethane	<0.50		0.50		ug/L			07/06/25 16:46	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			07/06/25 16:46	1
Diisopropyl ether	<3.0		3.0		ug/L			07/06/25 16:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*8.0*	*T J*	*ug/L*		*1.64*	*N/A*		*07/06/25 16:46*	*1*
Furfural	*22*	*T J N*	*ug/L*		*10.10*	*98-01-1*		*07/06/25 16:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/06/25 16:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/06/25 16:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*07/06/25 16:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*07/06/25 16:46*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*07/06/25 16:46*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*07/06/25 16:46*	*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			07/13/25 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*63*		*38 - 134*		*07/13/25 22:12*	*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		07/07/25 14:37	07/07/25 23:19	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010		ug/L		07/07/25 14:37	07/07/25 23:19	1
1,2-Dibromoethane	<0.010		0.010		ug/L		07/07/25 14:37	07/07/25 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane (Surr)	*93*		*60 - 140*	*07/07/25 14:37*	*07/07/25 23:19*	*1*

Action Limit Summary

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

Job ID: 380-158427-1
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

Client Sample ID: MOANALUA WELLS (331-223-TP202) Lab Sample ID: 380-158427-1

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	<0.50		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5		524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80		524.2	Total/NA
Bromoform	<0.50		ug/L		80		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
Chlorodibromomethane	<0.50		ug/L		80		524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80		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
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)	<0.30		ug/L	2.000	2		524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000		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	<0.019		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)	<0.0097		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	<0.97		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	<0.010		ug/L		0.2		504.1	Total/NA
1,2-Dibromoethane	<0.010		ug/L		0.05		504.1	Total/NA
Toxaphene	<0.49		ug/L		3		505	Total/NA
Chlordane (n.o.s.)	<0.099		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.099		ug/L		0.5		505	Total/NA

Client Sample ID: MOANALUA WELLS (331-223-TP202) (Continued)

Lab Sample ID: 380-158427-1

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
Chloride	110		mg/L			250	300.0	Total/NA
Sulfate	17		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	2.1		ug/L		100		200.8	Total/NA
Copper	7.2		ug/L		1300	1000	200.8	Total/NA
Lead	<0.50		ug/L		10.00		200.8	Total/NA
Selenium	<2.0		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	<5.0		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	350		mg/L			500	SM 2540C	Total/NA
Fluoride	<0.050		mg/L		4	2	SM 4500 F C	Total/NA
pH	8.0	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: 380-158427-2

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	<0.50		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5		524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80		524.2	Total/NA
Bromoform	<0.50		ug/L		80		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
Chlorodibromomethane	<0.50		ug/L		80		524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80		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

Action Limit Summary

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

Job ID: 380-158427-1
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

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

Lab Sample ID: 380-158427-2

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
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000		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)	<0.30		ug/L	2.000	2		524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000		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)	0.014		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	<0.97		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	<0.010		ug/L		0.2		504.1	Total/NA
1,2-Dibromoethane	<0.010		ug/L		0.05		504.1	Total/NA
Toxaphene	<0.50		ug/L		3		505	Total/NA
Chlordane (n.o.s.)	0.25		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.099		ug/L		0.5		505	Total/NA
Chloride	180		mg/L			250	300.0	Total/NA
Sulfate	44		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	2.3		ug/L		100		200.8	Total/NA
Copper	<1.0		ug/L		1300	1000	200.8	Total/NA
Lead	<0.50		ug/L		10.00		200.8	Total/NA
Selenium	2.5		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	14		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	**530**		mg/L			**500**	SM 2540C	Total/NA
Fluoride	0.053		mg/L		4	2	SM 4500 F C	Total/NA
pH	7.9	HF	SU			6.5	SM 4500 H+ B	Total/NA

Action Limit Summary

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

Job ID: 380-158427-1
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202) Lab Sample ID: 380-158427-3

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	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Bromoform	<0.50		ug/L		80	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
Chlorodibromomethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80	0.50	524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70	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)	<0.30		ug/L	2.000	2	0.30	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: 380-158427-4

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	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA

Action Limit Summary

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

Job ID: 380-158427-1
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

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

Lab Sample ID: 380-158427-4

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
Benzene	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Bromoform	<0.50		ug/L		80	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
Chlorodibromomethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80	0.50	524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70	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)	<0.30		ug/L	2.000	2	0.30	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: 380-158427-1
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

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

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		DCA	DCA	BFB	BFB	TOL	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)	(70-130)	(70-130)
380-158427-1	MOANALUA WELLS (331-223-T	103	103	103	103	95	95
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	102	102	104	104	95	95

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		DCA	DCA	BFB	BFB	TOL	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)	(70-130)	(70-130)
380-158427-3	TB:MOANALUA WELLS (331-22	102	102	104	104	96	96
380-158427-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)	103	103	102	102	96	96
LCS 380-161184/5	Lab Control Sample	101	101	99	99	102	102
LCSD 380-161184/6	Lab Control Sample Dup	98	98	102	102	102	102
MB 380-161184/8	Method Blank	101	101	102	102	96	96
MRL 380-161184/3	Lab Control Sample	100	100	98	98	100	100
MRL 380-161184/4	Lab Control Sample	101	101	100	100	97	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)
380-158427-1	MOANALUA WELLS (331-223-T	92	92	116
380-158427-1 MS	MOANALUA WELLS (331-223-TP202)	91	97	115
380-158427-1 MSD	MOANALUA WELLS (331-223-TP202)	95	94	118
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	93	93	111
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	96	88	101

Surrogate Legend

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

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-158427-1
Project/Site: RED-HILL
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

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)
LCS 380-161526/23-A	Lab Control Sample	90	100	118
LCSD 380-161526/24-A	Lab Control Sample Dup	93	99	113
MB 380-161526/21-A	Method Blank	90	91	120
MRL 380-161526/22-A	Lab Control Sample	93	97	115
MRL 380-161526/22-A	Lab Control Sample	97	91	103

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)
380-158427-1	MOANALUA WELLS (331-223-T	74	83	50	86	27	91
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	77	80	50	81	29	88

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
MB 570-593529/1-A	Method Blank	72	72	45	74	27	77

Surrogate Legend

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

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)
380-158427-1	MOANALUA WELLS (331-223-T	82	81	43	84	25	83

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

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)
380-158427-2	HALAWA WELLS UNITS 1 & 2 F	79	79	43	86	27	83

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)
570-237041-A-2-A MS	Matrix Spike	77	74	37	61	23	72
570-237041-B-2-A MSD	Matrix Spike Duplicate	81	79	42	65	25	75
LCS 570-593529/2-A	Lab Control Sample	89	86	53	74	35	88
LCSD 570-593529/3-A	Lab Control Sample Dup	89	89	57	76	37	91
MB 570-593529/1-A	Method Blank	71	70	39	73	24	76

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-158427-1	MOANALUA WELLS (331-223-T	56
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	66

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)
380-158427-3	TB:MOANALUA WELLS (331-22	68
380-158427-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)	63
380-158440-C-1 MS	Matrix Spike	86

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-158440-C-1 MSD	Matrix Spike Duplicate	85
LCS 570-596498/4	Lab Control Sample	78
LCSD 570-596498/5	Lab Control Sample Dup	83
MB 570-596498/6	Method Blank	66
MRL 570-596498/3	Lab Control Sample	66

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)
Lab Sample ID	Client Sample ID	DBPP1 (60-140)
380-158427-1	MOANALUA WELLS (331-223-T	95
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	91

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)
Lab Sample ID	Client Sample ID	DBPP1 (60-140)
380-158427-3	TB:MOANALUA WELLS (331-22	97
380-158427-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)	93
380-158660-AB-1-A MS	Matrix Spike	91
380-158662-BU-1-A DU	Duplicate	90
LCS 380-161293/29-A	Lab Control Sample	89
MBL 380-161293/4-A	Method Blank	85
MRL 380-161293/2-A	Lab Control Sample	87
MRL 380-161293/3-A	Lab Control Sample	84

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)
380-158427-1	MOANALUA WELLS (331-223-T	97
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	94

Surrogate Legend

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-158427-1
Project/Site: RED-HILL
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

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)
380-157917-G-1-B MS	Matrix Spike	99
380-157917-H-1-A MS	Matrix Spike	103
LCS 380-161021/16-A	Lab Control Sample	111
LCS 380-161021/18-A	Lab Control Sample	123
LCS 380-161021/19-A	Lab Control Sample	104
LCSD 380-161021/17-A	Lab Control Sample Dup	104
MB 380-161021/3-A	Method Blank	104
MRL 380-161021/1-A	Lab Control Sample	118
MRL 380-161021/2-A	Lab Control Sample	104

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)
380-158427-1	MOANALUA WELLS (331-223-T	97
380-158427-1 MS	MOANALUA WELLS (331-223-TP202)	87
380-158427-1 MSD	MOANALUA WELLS (331-223-TP202)	80
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	94

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)
LCS 570-596929/24	Lab Control Sample	80
LCSD 570-596929/22	Lab Control Sample Dup	89
MB 570-596929/23	Method Blank	86
MRL 570-596929/26	Lab Control Sample	118

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

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

Lab Sample ID: MB 380-161184/8
Matrix: Water
Analysis Batch: 161184

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			07/06/25 14:32	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			07/06/25 14:32	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/25 14:32	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/25 14:32	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/25 14:32	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/25 14:32	1
1,1-Dichlorethylene	<0.50		0.50		ug/L			07/06/25 14:32	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/25 14:32	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/06/25 14:32	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/25 14:32	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 14:32	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/25 14:32	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 14:32	1
2-Butanone (MEK)	<5.0		5.0		ug/L			07/06/25 14:32	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			07/06/25 14:32	1
Acetone	<500		500		ug/L			07/06/25 14:32	1
Benzene	<0.50		0.50		ug/L			07/06/25 14:32	1
Bromobenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/25 14:32	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/25 14:32	1
Bromoform	<0.50		0.50		ug/L			07/06/25 14:32	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			07/06/25 14:32	1
Carbon disulfide	<0.50		0.50		ug/L			07/06/25 14:32	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/25 14:32	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
Chlorodibromomethane	<0.50		0.50		ug/L			07/06/25 14:32	1
Chloroethane	<0.50		0.50		ug/L			07/06/25 14:32	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			07/06/25 14:32	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 14:32	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 14:32	1
Dibromomethane	<0.50		0.50		ug/L			07/06/25 14:32	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/25 14:32	1
Dichloromethane	<0.50		0.50		ug/L			07/06/25 14:32	1
Ethylbenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/25 14:32	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
m,p-Xylenes	<0.50		0.50		ug/L			07/06/25 14:32	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			07/06/25 14:32	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			07/06/25 14:32	1
Naphthalene	<0.50		0.50		ug/L			07/06/25 14:32	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
N-Propylbenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
o-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 14:32	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			07/06/25 14:32	1

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

Lab Sample ID: MB 380-161184/8
Matrix: Water
Analysis Batch: 161184

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.50		0.50		ug/L			07/06/25 14:32	1
p-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 14:32	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			07/06/25 14:32	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/25 14:32	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
Styrene	<0.50		0.50		ug/L			07/06/25 14:32	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			07/06/25 14:32	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			07/06/25 14:32	1
Tert-butyl ethyl ether	<3.0		3.0		ug/L			07/06/25 14:32	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/25 14:32	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			07/06/25 14:32	1
Toluene	<0.50		0.50		ug/L			07/06/25 14:32	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 14:32	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 14:32	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			07/06/25 14:32	1
Bromoethane	<0.50		0.50		ug/L			07/06/25 14:32	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			07/06/25 14:32	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			07/06/25 14:32	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			07/06/25 14:32	1
Diisopropyl ether	<3.0		3.0		ug/L			07/06/25 14:32	1
Vinyl Chloride (VC)	<0.30		0.30		ug/L			07/06/25 14:32	1
Xylenes, Total	<0.50		0.50		ug/L			07/06/25 14:32	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*		*07/06/25 14:32*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*07/06/25 14:32*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*07/06/25 14:32*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*07/06/25 14:32*	*1*

Lab Sample ID: LCS 380-161184/5
Matrix: Water
Analysis Batch: 161184

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane			5.00	4.56		ug/L		91	70 - 130		
1,1,1-Trichloroethane			5.00	4.15		ug/L		83	70 - 130		
1,1,2,2-Tetrachloroethane			5.00	5.15		ug/L		103	70 - 130		
1,1,2-Trichloroethane			5.00	4.80		ug/L		96	70 - 130		
1,1-Dichloroethane			5.00	4.22		ug/L		84	70 - 130		
1,1-Dichlorethylene			5.00	4.26		ug/L		85	70 - 130		
1,1-Dichloropropene			5.00	4.24		ug/L		85	70 - 130		
1,2,3-Trichlorobenzene			5.00	4.97		ug/L		99	70 - 130		
1,2,3-Trichloropropane			5.00	5.03		ug/L		101	70 - 130		
1,2,4-Trichlorobenzene			5.00	4.75		ug/L		95	70 - 130		
1,2,4-Trimethylbenzene			5.00	4.90		ug/L		98	70 - 130		
1,2-Dichloroethane			5.00	4.46		ug/L		89	70 - 130		

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

Lab Sample ID: LCS 380-161184/5
Matrix: Water
Analysis Batch: 161184

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	5.00	4.38		ug/L		88	70 - 130
1,3,5-Trimethylbenzene	5.00	4.77		ug/L		95	70 - 130
1,3-Dichloropropane	5.00	4.75		ug/L		95	70 - 130
2,2-Dichloropropane	5.00	4.11		ug/L		82	70 - 130
2-Butanone (MEK)	50.0	46.1		ug/L		92	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	49.0		ug/L		98	70 - 130
Acetone	50.0	48.2	J	ug/L		96	70 - 130
Benzene	5.00	4.42		ug/L		88	70 - 130
Bromobenzene	5.00	4.83		ug/L		97	70 - 130
Bromochloromethane	5.00	4.50		ug/L		90	70 - 130
Bromodichloromethane	5.00	4.20		ug/L		84	70 - 130
Bromoform	5.00	5.41		ug/L		108	70 - 130
Bromomethane (Methyl Bromide)	5.00	4.59		ug/L		92	70 - 130
Carbon disulfide	5.00	3.65		ug/L		73	70 - 130
Carbon tetrachloride	5.00	4.13		ug/L		83	70 - 130
Chlorobenzene	5.00	4.70		ug/L		94	70 - 130
Chlorodibromomethane	5.00	5.47		ug/L		109	70 - 130
cis-1,3-Dichloropropene	5.00	4.43		ug/L		89	70 - 130
Dichloromethane	5.00	4.44		ug/L		89	70 - 130
Ethylbenzene	5.00	4.37		ug/L		87	70 - 130
Hexachlorobutadiene	5.00	4.96		ug/L		99	70 - 130
Isopropylbenzene	5.00	4.56		ug/L		91	70 - 130
m,p-Xylenes	10.0	9.13		ug/L		91	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	5.03		ug/L		101	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	4.62		ug/L		92	70 - 130
Naphthalene	5.00	4.64		ug/L		93	70 - 130
n-Butylbenzene	5.00	4.54		ug/L		91	70 - 130
N-Propylbenzene	5.00	4.68		ug/L		94	70 - 130
o-Chlorotoluene	5.00	4.85		ug/L		97	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	4.82		ug/L		96	70 - 130
o-Xylene	5.00	4.64		ug/L		93	70 - 130
p-Chlorotoluene	5.00	4.88		ug/L		98	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	4.90		ug/L		98	70 - 130
p-Isopropyltoluene	5.00	4.89		ug/L		98	70 - 130
sec-Butylbenzene	5.00	4.76		ug/L		95	70 - 130
Styrene	5.00	4.78		ug/L		96	70 - 130
Tert-amyl methyl ether	5.00	4.47		ug/L		89	70 - 130
1,3-Dichloropropene, Total	10.0	9.65		ug/L		97	70 - 130
Tert-butyl ethyl ether	5.00	4.83		ug/L		97	70 - 130
tert-Butylbenzene	5.00	4.68		ug/L		94	70 - 130
Tetrachloroethene (PCE)	5.00	4.44		ug/L		89	70 - 130
Toluene	5.00	4.56		ug/L		91	70 - 130
trans-1,2-Dichloroethylene	5.00	4.23		ug/L		85	70 - 130
trans-1,3-Dichloropropene	5.00	5.22		ug/L		104	70 - 130
Trichloroethylene (TCE)	5.00	4.26		ug/L		85	70 - 130
Bromoethane	5.00	4.40		ug/L		88	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	4.13		ug/L		83	70 - 130
Trichlorotrifluoroethane	5.00	4.50		ug/L		90	70 - 130

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

Lab Sample ID: LCS 380-161184/5
Matrix: Water
Analysis Batch: 161184

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diisopropyl ether			5.00	4.49		ug/L		90	70 - 130		
Vinyl Chloride (VC)			5.00	4.21		ug/L		84	70 - 130		
Xylenes, Total			15.0	13.8		ug/L		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 380-161184/6
Matrix: Water
Analysis Batch: 161184

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			5.00	4.41		ug/L		88	70 - 130	3	20
1,1,1-Trichloroethane			5.00	4.22		ug/L		84	70 - 130	2	20
1,1,2,2-Tetrachloroethane			5.00	5.11		ug/L		102	70 - 130	1	20
1,1,2-Trichloroethane			5.00	4.76		ug/L		95	70 - 130	1	20
1,1-Dichloroethane			5.00	4.28		ug/L		86	70 - 130	2	20
1,1-Dichlorethylene			5.00	4.36		ug/L		87	70 - 130	2	20
1,1-Dichloropropene			5.00	4.25		ug/L		85	70 - 130	0	20
1,2,3-Trichlorobenzene			5.00	4.82		ug/L		96	70 - 130	3	20
1,2,3-Trichloropropane			5.00	4.96		ug/L		99	70 - 130	1	20
1,2,4-Trichlorobenzene			5.00	4.74		ug/L		95	70 - 130	0	20
1,2,4-Trimethylbenzene			5.00	4.84		ug/L		97	70 - 130	1	20
1,2-Dichloroethane			5.00	4.44		ug/L		89	70 - 130	1	20
1,2-Dichloropropane			5.00	4.30		ug/L		86	70 - 130	2	20
1,3,5-Trimethylbenzene			5.00	4.79		ug/L		96	70 - 130	0	20
1,3-Dichloropropane			5.00	4.69		ug/L		94	70 - 130	1	20
2,2-Dichloropropane			5.00	4.23		ug/L		85	70 - 130	3	20
2-Butanone (MEK)			50.0	46.3		ug/L		93	70 - 130	0	20
4-Methyl-2-pentanone (MIBK)			50.0	47.9		ug/L		96	70 - 130	2	20
Acetone			50.0	48.4	J	ug/L		97	70 - 130	1	20
Benzene			5.00	4.46		ug/L		89	70 - 130	1	20
Bromobenzene			5.00	4.73		ug/L		95	70 - 130	2	20
Bromochloromethane			5.00	4.49		ug/L		90	70 - 130	0	20
Bromodichloromethane			5.00	4.00		ug/L		80	70 - 130	5	20
Bromoform			5.00	5.40		ug/L		108	70 - 130	0	20
Bromomethane (Methyl Bromide)			5.00	4.55		ug/L		91	70 - 130	1	20
Carbon disulfide			5.00	3.73		ug/L		75	70 - 130	2	20
Carbon tetrachloride			5.00	4.15		ug/L		83	70 - 130	1	20
Chlorobenzene			5.00	4.54		ug/L		91	70 - 130	3	20
Chlorodibromomethane			5.00	5.15		ug/L		103	70 - 130	6	20
cis-1,3-Dichloropropene			5.00	4.38		ug/L		88	70 - 130	1	20
Dichloromethane			5.00	4.51		ug/L		90	70 - 130	1	20
Ethylbenzene			5.00	4.29		ug/L		86	70 - 130	2	20
Hexachlorobutadiene			5.00	4.79		ug/L		96	70 - 130	3	20
Isopropylbenzene			5.00	4.59		ug/L		92	70 - 130	1	20

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

Lab Sample ID: LCSD 380-161184/6
Matrix: Water
Analysis Batch: 161184

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
m,p-Xylenes	10.0	8.87		ug/L		89	70 - 130	3	20
m-Dichlorobenzene (1,3-DCB)	5.00	4.90		ug/L		98	70 - 130	3	20
Methyl-tert-butyl Ether (MTBE)	5.00	4.45		ug/L		89	70 - 130	4	20
Naphthalene	5.00	4.57		ug/L		91	70 - 130	1	20
n-Butylbenzene	5.00	4.54		ug/L		91	70 - 130	0	20
N-Propylbenzene	5.00	4.70		ug/L		94	70 - 130	1	20
o-Chlorotoluene	5.00	4.83		ug/L		97	70 - 130	0	20
o-Dichlorobenzene (1,2-DCB)	5.00	4.68		ug/L		94	70 - 130	3	20
o-Xylene	5.00	4.61		ug/L		92	70 - 130	1	20
p-Chlorotoluene	5.00	4.76		ug/L		95	70 - 130	2	20
p-Dichlorobenzene (1,4-DCB)	5.00	5.03		ug/L		101	70 - 130	2	20
p-Isopropyltoluene	5.00	4.86		ug/L		97	70 - 130	1	20
sec-Butylbenzene	5.00	4.78		ug/L		96	70 - 130	0	20
Styrene	5.00	4.74		ug/L		95	70 - 130	1	20
Tert-amyl methyl ether	5.00	4.45		ug/L		89	70 - 130	0	20
1,3-Dichloropropene, Total	10.0	9.53		ug/L		95	70 - 130	1	20
Tert-butyl ethyl ether	5.00	4.75		ug/L		95	70 - 130	2	20
tert-Butylbenzene	5.00	4.72		ug/L		94	70 - 130	1	20
Tetrachloroethene (PCE)	5.00	4.41		ug/L		88	70 - 130	1	20
Toluene	5.00	4.51		ug/L		90	70 - 130	1	20
trans-1,2-Dichloroethylene	5.00	4.34		ug/L		87	70 - 130	2	20
trans-1,3-Dichloropropene	5.00	5.15		ug/L		103	70 - 130	1	20
Trichloroethylene (TCE)	5.00	4.24		ug/L		85	70 - 130	1	20
Bromoethane	5.00	4.37		ug/L		87	70 - 130	1	20
Trichlorofluoromethane (Freon 11)	5.00	4.21		ug/L		84	70 - 130	2	20
Trichlorotrifluoroethane	5.00	4.59		ug/L		92	70 - 130	2	20
Diisopropyl ether	5.00	4.44		ug/L		89	70 - 130	1	20
Vinyl Chloride (VC)	5.00	4.31		ug/L		86	70 - 130	2	20
Xylenes, Total	15.0	13.5		ug/L		90	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: MRL 380-161184/3
Matrix: Water
Analysis Batch: 161184

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.500	0.462	J	ug/L		92	50 - 150
1,1,1-Trichloroethane	0.500	0.470	J	ug/L		94	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.672		ug/L		134	50 - 150
1,1,2-Trichloroethane	0.500	0.581		ug/L		116	50 - 150
1,1-Dichloroethane	0.500	0.519		ug/L		104	50 - 150
1,1-Dichlorethylene	0.500	0.510		ug/L		102	50 - 150
1,1-Dichloropropene	0.500	0.491	J	ug/L		98	50 - 150
1,2,3-Trichlorobenzene	0.500	0.667		ug/L		133	50 - 150

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

Lab Sample ID: MRL 380-161184/3
Matrix: Water
Analysis Batch: 161184

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.500	0.642		ug/L		128	50 - 150
1,2,4-Trichlorobenzene	0.500	0.617		ug/L		123	50 - 150
1,2,4-Trimethylbenzene	0.500	0.520		ug/L		104	50 - 150
1,2-Dichloroethane	0.500	0.535		ug/L		107	50 - 150
1,2-Dichloropropane	0.500	0.508		ug/L		102	50 - 150
1,3,5-Trimethylbenzene	0.500	0.493	J	ug/L		99	50 - 150
1,3-Dichloropropane	0.500	0.576		ug/L		115	50 - 150
2,2-Dichloropropane	0.500	0.537		ug/L		107	50 - 150
2-Butanone (MEK)	5.00	6.18		ug/L		124	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	5.81		ug/L		116	50 - 150
Acetone	5.00	<4.0		ug/L		72	50 - 150
Benzene	0.500	0.637		ug/L		127	50 - 150
Bromobenzene	0.500	0.552		ug/L		110	50 - 150
Bromochloromethane	0.500	0.555		ug/L		111	50 - 150
Bromodichloromethane	0.500	0.438	J	ug/L		88	50 - 150
Bromoform	0.500	0.399	J	ug/L		80	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.629		ug/L		126	50 - 150
Carbon disulfide	0.500	0.474	J	ug/L		95	50 - 150
Carbon tetrachloride	0.500	0.474	J	ug/L		95	50 - 150
Chlorobenzene	0.500	0.523		ug/L		105	50 - 150
Chlorodibromomethane	0.500	0.454	J	ug/L		91	50 - 150
cis-1,3-Dichloropropene	0.500	0.458	J	ug/L		92	50 - 150
Dichloromethane	0.500	0.273	J	ug/L		55	50 - 150
Ethylbenzene	0.500	0.451	J	ug/L		90	50 - 150
Hexachlorobutadiene	0.500	0.665		ug/L		133	50 - 150
Isopropylbenzene	0.500	0.481	J	ug/L		96	50 - 150
m,p-Xylenes	1.00	0.891		ug/L		89	50 - 150
m-Dichlorobenzene (1,3-DCB)	0.500	0.578		ug/L		116	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.571		ug/L		114	50 - 150
Naphthalene	0.500	0.576		ug/L		115	50 - 150
n-Butylbenzene	0.500	0.526		ug/L		105	50 - 150
N-Propylbenzene	0.500	0.501		ug/L		100	50 - 150
o-Chlorotoluene	0.500	0.510		ug/L		102	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.610		ug/L		122	50 - 150
o-Xylene	0.500	0.471	J	ug/L		94	50 - 150
p-Chlorotoluene	0.500	0.516		ug/L		103	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.580		ug/L		116	50 - 150
p-Isopropyltoluene	0.500	0.501		ug/L		100	50 - 150
sec-Butylbenzene	0.500	0.502		ug/L		100	50 - 150
Styrene	0.500	0.493	J	ug/L		99	50 - 150
Tert-amyl methyl ether	0.500	0.577	J	ug/L		115	50 - 150
1,3-Dichloropropene, Total	1.00	1.02		ug/L		102	50 - 150
Tert-butyl ethyl ether	0.500	0.579	J	ug/L		116	50 - 150
tert-Butylbenzene	0.500	0.492	J	ug/L		98	50 - 150
Tetrachloroethene (PCE)	0.500	0.513		ug/L		103	50 - 150
Toluene	0.500	0.553		ug/L		111	50 - 150
trans-1,2-Dichloroethylene	0.500	0.495	J	ug/L		99	50 - 150
trans-1,3-Dichloropropene	0.500	0.559		ug/L		112	50 - 150
Trichloroethylene (TCE)	0.500	0.515		ug/L		103	50 - 150

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

Lab Sample ID: MRL 380-161184/3
Matrix: Water
Analysis Batch: 161184

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Bromoethane			0.500	0.512		ug/L		102	50 - 150		
Trichlorofluoromethane (Freon 11)			0.500	0.458	J	ug/L		92	50 - 150		
Trichlorotrifluoroethane			0.500	0.536		ug/L		107	50 - 150		
Diisopropyl ether			0.500	0.591	J	ug/L		118	50 - 150		
Vinyl Chloride (VC)			0.500	0.491		ug/L		98	50 - 150		
Xylenes, Total			1.50	1.36		ug/L		91	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MRL 380-161184/4
Matrix: Water
Analysis Batch: 161184

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
m,p-Xylenes			0.500	0.425	J	ug/L		85	50 - 150		
Vinyl Chloride (VC)			0.250	0.229	J	ug/L		92	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 380-161526/21-A
Matrix: Water
Analysis Batch: 161686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161526

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
2,4'-DDE	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
2,4'-DDT	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
4,4'-DDD	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
4,4'-DDE	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
4,4'-DDT	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Acenaphthene	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Acenaphthylene	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Acetochlor	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Alachlor	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
alpha-BHC	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
alpha-Chlordane	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Anthracene	<0.020		0.020		ug/L		07/08/25 13:40	07/09/25 11:44	1
Atrazine	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1

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

Lab Sample ID: MB 380-161526/21-A
Matrix: Water
Analysis Batch: 161686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161526

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benz(a)anthracene	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Benzo[a]pyrene	<0.020		0.020		ug/L		07/08/25 13:40	07/09/25 11:44	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		07/08/25 13:40	07/09/25 11:44	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		07/08/25 13:40	07/09/25 11:44	1
beta-BHC	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		07/08/25 13:40	07/09/25 11:44	1
Aldrin	<0.0099		0.0099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Bromacil	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Butachlor	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Butylbenzylphthalate	<0.50		0.50		ug/L		07/08/25 13:40	07/09/25 11:44	1
Chlorobenzilate	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Chloroneb	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Chlorpyrifos	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Chrysene	<0.020		0.020		ug/L		07/08/25 13:40	07/09/25 11:44	1
delta-BHC	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		07/08/25 13:40	07/09/25 11:44	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Dieldrin	<0.0099	^3+	0.0099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Diethylphthalate	<0.50		0.50		ug/L		07/08/25 13:40	07/09/25 11:44	1
Dimethylphthalate	<0.50		0.50		ug/L		07/08/25 13:40	07/09/25 11:44	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		07/08/25 13:40	07/09/25 11:44	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Endosulfan sulfate	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Endrin	<0.0099		0.0099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Endrin aldehyde	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
EPTC	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Fluoranthene	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Fluorene	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
gamma-BHC (Lindane)	<0.0099		0.0099		ug/L		07/08/25 13:40	07/09/25 11:44	1
gamma-Chlordane	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Heptachlor	<0.0099		0.0099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Hexachlorobenzene	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Isophorone	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Malathion	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Methoxychlor	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Metolachlor	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Molinate	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Naphthalene	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Parathion	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Phenanthrene	<0.040		0.040		ug/L		07/08/25 13:40	07/09/25 11:44	1

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

Lab Sample ID: MB 380-161526/21-A
Matrix: Water
Analysis Batch: 161686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161526

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Propachlor	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Pyrene	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Simazine	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Terbacil	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Terbuthylazine	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Thiobencarb	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		07/08/25 13:40	07/09/25 11:44	1
trans-Nonachlor	<0.050		0.050		ug/L		07/08/25 13:40	07/09/25 11:44	1
Trifluralin	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
1-Methylnaphthalene	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1
2-Methylnaphthalene	<0.099		0.099		ug/L		07/08/25 13:40	07/09/25 11:44	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentene, 1,2,3,4,5-pentamethyl-	*0.826*	*T J N*	*ug/L*		*2.52*	*1000154-28-6*	*07/08/25 13:40*	*07/09/25 11:44*	*1*
Decane	*2.61*	*T J N*	*ug/L*		*2.77*	*124-18-5*	*07/08/25 13:40*	*07/09/25 11:44*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.859*	*T J N*	*ug/L*		*3.87*	*540-97-6*	*07/08/25 13:40*	*07/09/25 11:44*	*1*
9-Octadecenamide, (Z)-	*1.63*	*T J N*	*ug/L*		*7.90*	*301-02-0*	*07/08/25 13:40*	*07/09/25 11:44*	*1*
13-Docosenamide, (Z)-	*1.11*	*T J N*	*ug/L*		*10.45*	*112-84-5*	*07/08/25 13:40*	*07/09/25 11:44*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*90*		*70 - 130*	*07/08/25 13:40*	*07/09/25 11:44*	*1*
Perylene-d12	*91*		*70 - 130*	*07/08/25 13:40*	*07/09/25 11:44*	*1*
Triphenylphosphate	*120*		*70 - 130*	*07/08/25 13:40*	*07/09/25 11:44*	*1*

Lab Sample ID: LCS 380-161526/23-A
Matrix: Water
Analysis Batch: 161686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	1.99	2.32		ug/L		117	70 - 130
2,4'-DDE	1.99	2.15		ug/L		108	70 - 130
2,4'-DDT	1.99	2.16		ug/L		108	70 - 130
2,4-Dinitrotoluene	1.99	1.71		ug/L		86	70 - 130
2,6-Dinitrotoluene	1.99	1.46		ug/L		73	70 - 130
4,4'-DDD	1.99	2.29		ug/L		115	70 - 130
4,4'-DDE	1.99	2.29		ug/L		115	70 - 130
4,4'-DDT	1.99	2.13		ug/L		107	70 - 130
Acenaphthene	1.99	1.88		ug/L		95	70 - 130
Acenaphthylene	1.99	2.00		ug/L		100	70 - 130
Acetochlor	1.99	2.09		ug/L		105	70 - 130
Alachlor	1.99	2.11		ug/L		106	70 - 130
alpha-BHC	1.99	1.98		ug/L		99	70 - 130
alpha-Chlordane	1.99	2.42		ug/L		122	70 - 130
Anthracene	1.99	1.99		ug/L		100	70 - 130
Atrazine	1.99	2.14		ug/L		107	70 - 130
Benz(a)anthracene	1.99	2.18		ug/L		110	70 - 130
Benzo[a]pyrene	1.99	2.20		ug/L		110	70 - 130

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

Lab Sample ID: LCS 380-161526/23-A
Matrix: Water
Analysis Batch: 161686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	1.99	2.18		ug/L		109	70 - 130
Benzo[g,h,i]perylene	1.99	1.95		ug/L		98	70 - 130
Benzo[k]fluoranthene	1.99	2.17		ug/L		109	70 - 130
beta-BHC	1.99	1.97		ug/L		99	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	1.89		ug/L		95	70 - 130
Aldrin	1.99	1.52		ug/L		76	70 - 130
Bromacil	1.99	1.64		ug/L		82	70 - 130
Butachlor	1.99	2.09		ug/L		105	70 - 130
Butylbenzylphthalate	1.99	2.07		ug/L		104	70 - 130
Chlorobenzilate	1.99	1.92		ug/L		96	70 - 130
Chloroneb	1.99	1.96		ug/L		98	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	2.27		ug/L		114	70 - 130
Chlorpyrifos	1.99	2.20		ug/L		111	70 - 130
Chrysene	1.99	1.96		ug/L		98	70 - 130
delta-BHC	1.99	1.84		ug/L		92	70 - 130
Di(2-ethylhexyl)adipate	1.99	2.09		ug/L		105	70 - 130
Dibenz(a,h)anthracene	1.99	2.01		ug/L		101	70 - 130
Diclorvos (DDVP)	1.99	1.69		ug/L		85	70 - 130
Dieldrin	1.99	2.05		ug/L		103	70 - 130
Diethylphthalate	1.99	2.09		ug/L		105	70 - 130
Dimethylphthalate	1.99	1.88		ug/L		94	70 - 130
Di-n-butyl phthalate	3.98	4.80		ug/L		120	70 - 130
Di-n-octyl phthalate	1.99	2.06		ug/L		104	70 - 130
Endosulfan I (Alpha)	1.99	1.93		ug/L		97	70 - 130
Endosulfan II (Beta)	1.99	1.95		ug/L		98	70 - 130
Endosulfan sulfate	1.99	2.00		ug/L		101	70 - 130
Endrin	1.99	2.36		ug/L		119	70 - 130
Endrin aldehyde	1.99	2.33		ug/L		117	60 - 130
EPTC	1.99	2.01		ug/L		101	70 - 130
Fluoranthene	1.99	2.22		ug/L		111	70 - 130
Fluorene	1.99	2.05		ug/L		103	70 - 130
gamma-BHC (Lindane)	1.99	2.12		ug/L		106	70 - 130
gamma-Chlordane	1.99	2.35		ug/L		118	70 - 130
Heptachlor	1.99	2.34		ug/L		118	70 - 130
Heptachlor epoxide (isomer B)	1.99	2.32		ug/L		116	70 - 130
Hexachlorobenzene	1.99	2.13		ug/L		107	70 - 130
Hexachlorocyclopentadiene	1.99	2.43		ug/L		122	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	2.30		ug/L		115	70 - 130
Isophorone	1.99	1.90		ug/L		96	70 - 130
Malathion	1.99	2.17		ug/L		109	70 - 130
Methoxychlor	1.99	2.21		ug/L		111	70 - 130
Metolachlor	1.99	2.19		ug/L		110	70 - 130
Molinate	1.99	2.03		ug/L		102	70 - 130
Naphthalene	1.99	1.86		ug/L		93	70 - 130
Parathion	1.99	1.94		ug/L		97	70 - 130
Pendimethalin (Penoxaline)	1.99	2.44		ug/L		122	70 - 130
Phenanthrene	1.99	1.89		ug/L		95	70 - 130
Propachlor	1.99	2.00		ug/L		101	70 - 130
Pyrene	1.99	2.25		ug/L		113	70 - 130

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

Lab Sample ID: LCS 380-161526/23-A
Matrix: Water
Analysis Batch: 161686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161526

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Simazine			1.99	1.83		ug/L		92	70 - 130		
Terbacil			1.99	1.60		ug/L		80	70 - 130		
Terbuthylazine			1.99	2.17		ug/L		109	70 - 130		
Thiobencarb			1.99	2.13		ug/L		107	70 - 130		
trans-Nonachlor			1.99	2.51		ug/L		126	70 - 130		
Trifluralin			1.99	2.34		ug/L		118	70 - 130		
1-Methylnaphthalene			1.99	1.87		ug/L		94	70 - 130		
2-Methylnaphthalene			1.99	1.90		ug/L		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*90*		*70 - 130*
Perylene-d12	*100*		*70 - 130*
Triphenylphosphate	*118*		*70 - 130*

Lab Sample ID: LCSD 380-161526/24-A
Matrix: Water
Analysis Batch: 161686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 161526

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4'-DDD			1.98	2.22		ug/L		112	70 - 130	4	20
2,4'-DDE			1.98	2.06		ug/L		104	70 - 130	4	20
2,4'-DDT			1.98	2.07		ug/L		104	70 - 130	4	20
2,4-Dinitrotoluene			1.98	2.21	*1	ug/L		111	70 - 130	26	20
2,6-Dinitrotoluene			1.98	1.93	*1	ug/L		97	70 - 130	28	20
4,4'-DDD			1.98	2.19		ug/L		110	70 - 130	4	20
4,4'-DDE			1.98	2.21		ug/L		111	70 - 130	4	20
4,4'-DDT			1.98	2.03		ug/L		103	70 - 130	4	20
Acenaphthene			1.98	1.88		ug/L		95	70 - 130	0	20
Acenaphthylene			1.98	1.95		ug/L		98	70 - 130	3	20
Acetochlor			1.98	2.06		ug/L		104	70 - 130	1	20
Alachlor			1.98	2.07		ug/L		104	70 - 130	2	20
alpha-BHC			1.98	1.90		ug/L		96	70 - 130	4	20
alpha-Chlordane			1.98	2.40		ug/L		121	70 - 130	1	20
Anthracene			1.98	1.94		ug/L		98	70 - 130	3	20
Atrazine			1.98	2.12		ug/L		107	70 - 130	1	20
Benz(a)anthracene			1.98	2.04		ug/L		103	70 - 130	7	20
Benzo[a]pyrene			1.98	2.19		ug/L		110	70 - 130	0	20
Benzo[b]fluoranthene			1.98	2.17		ug/L		109	70 - 130	1	20
Benzo[g,h,i]perylene			1.98	1.99		ug/L		100	70 - 130	2	20
Benzo[k]fluoranthene			1.98	2.13		ug/L		108	70 - 130	2	20
beta-BHC			1.98	1.92		ug/L		97	70 - 130	3	20
Bis(2-ethylhexyl) phthalate			1.98	1.90		ug/L		96	70 - 130	0	20
Aldrin			1.98	1.58		ug/L		80	70 - 130	4	20
Bromacil			1.98	2.06	*1	ug/L		104	70 - 130	23	20
Butachlor			1.98	2.07		ug/L		105	70 - 130	1	20
Butylbenzylphthalate			1.98	1.99		ug/L		100	70 - 130	4	20
Chlorobenzilate			1.98	1.85		ug/L		93	70 - 130	4	20
Chloroneb			1.98	1.95		ug/L		98	70 - 130	1	20

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

Lab Sample ID: LCSD 380-161526/24-A
Matrix: Water
Analysis Batch: 161686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 161526

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorothalonil (Draconil, Bravo)	1.98	2.14		ug/L		108	70 - 130	6	20
Chlorpyrifos	1.98	2.15		ug/L		108	70 - 130	2	20
Chrysene	1.98	2.00		ug/L		101	70 - 130	2	20
delta-BHC	1.98	1.80		ug/L		91	70 - 130	2	20
Di(2-ethylhexyl)adipate	1.98	1.99		ug/L		100	70 - 130	5	20
Dibenz(a,h)anthracene	1.98	2.08		ug/L		105	70 - 130	3	20
Diclorvos (DDVP)	1.98	1.98		ug/L		100	70 - 130	16	20
Dieldrin	1.98	2.02		ug/L		102	70 - 130	1	20
Diethylphthalate	1.98	2.06		ug/L		104	70 - 130	2	20
Dimethylphthalate	1.98	2.06		ug/L		104	70 - 130	9	20
Di-n-butyl phthalate	3.97	4.62		ug/L		117	70 - 130	4	20
Di-n-octyl phthalate	1.98	2.05		ug/L		103	70 - 130	1	20
Endosulfan I (Alpha)	1.98	1.93		ug/L		97	70 - 130	0	20
Endosulfan II (Beta)	1.98	1.89		ug/L		95	70 - 130	3	20
Endosulfan sulfate	1.98	1.99		ug/L		100	70 - 130	1	20
Endrin	1.98	2.29		ug/L		115	70 - 130	3	20
Endrin aldehyde	1.98	2.30		ug/L		116	60 - 130	2	20
EPTC	1.98	2.03		ug/L		102	70 - 130	1	20
Fluoranthene	1.98	2.13		ug/L		108	70 - 130	4	20
Fluorene	1.98	1.97		ug/L		100	70 - 130	4	20
gamma-BHC (Lindane)	1.98	2.11		ug/L		106	70 - 130	0	20
gamma-Chlordane	1.98	2.37		ug/L		119	70 - 130	1	20
Heptachlor	1.98	2.35		ug/L		119	70 - 130	0	20
Heptachlor epoxide (isomer B)	1.98	2.33		ug/L		117	70 - 130	0	20
Hexachlorobenzene	1.98	2.07		ug/L		104	70 - 130	3	20
Hexachlorocyclopentadiene	1.98	2.31		ug/L		117	70 - 130	5	20
Indeno[1,2,3-cd]pyrene	1.98	2.29		ug/L		115	70 - 130	1	20
Isophorone	1.98	2.14		ug/L		108	70 - 130	12	20
Malathion	1.98	2.08		ug/L		105	70 - 130	4	20
Methoxychlor	1.98	2.22		ug/L		112	70 - 130	0	20
Metolachlor	1.98	2.19		ug/L		110	70 - 130	0	20
Molinate	1.98	2.03		ug/L		103	70 - 130	0	20
Naphthalene	1.98	1.90		ug/L		96	70 - 130	2	20
Parathion	1.98	1.87		ug/L		94	70 - 130	3	20
Pendimethalin (Penoxaline)	1.98	2.35		ug/L		119	70 - 130	4	20
Phenanthrene	1.98	1.86		ug/L		94	70 - 130	1	20
Propachlor	1.98	1.99		ug/L		101	70 - 130	0	20
Pyrene	1.98	2.16		ug/L		109	70 - 130	4	20
Simazine	1.98	1.95		ug/L		98	70 - 130	6	20
Terbacil	1.98	2.02	*1	ug/L		102	70 - 130	23	20
Terbuthylazine	1.98	2.04		ug/L		103	70 - 130	6	20
Thiobencarb	1.98	2.05		ug/L		103	70 - 130	4	20
trans-Nonachlor	1.98	2.51		ug/L		127	70 - 130	0	20
Trifluralin	1.98	2.33		ug/L		117	70 - 130	1	20
1-Methylnaphthalene	1.98	1.90		ug/L		96	70 - 130	2	20
2-Methylnaphthalene	1.98	1.89		ug/L		95	70 - 130	1	20

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

Lab Sample ID: LCSD 380-161526/24-A
Matrix: Water
Analysis Batch: 161686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 161526

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Nitro-m-xylene	*93*		*70 - 130*
Perylene-d12	*99*		*70 - 130*
Triphenylphosphate	*113*		*70 - 130*

Lab Sample ID: MRL 380-161526/22-A
Matrix: Water
Analysis Batch: 161686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161526

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	0.0992	0.102		ug/L		102	50 - 150
2,4'-DDE	0.0992	0.107		ug/L		108	50 - 150
2,4'-DDT	0.0992	0.129		ug/L		130	50 - 150
2,4-Dinitrotoluene	0.0992	0.117		ug/L		118	50 - 150
2,6-Dinitrotoluene	0.0992	0.124		ug/L		125	50 - 150
4,4'-DDD	0.0992	0.111		ug/L		112	50 - 150
4,4'-DDE	0.0992	0.107		ug/L		107	50 - 150
4,4'-DDT	0.0992	0.132		ug/L		133	50 - 150
Acenaphthene	0.0992	0.0996		ug/L		100	50 - 150
Acenaphthylene	0.0992	0.0935	J	ug/L		94	50 - 150
Acetochlor	0.0992	0.106		ug/L		107	50 - 150
Alachlor	0.0496	0.0557		ug/L		112	50 - 150
alpha-BHC	0.0992	0.0982	J	ug/L		99	50 - 150
alpha-Chlordane	0.0248	0.0308	J	ug/L		124	50 - 150
Anthracene	0.0198	0.0233		ug/L		118	50 - 150
Atrazine	0.0496	0.0643		ug/L		130	50 - 150
Benz(a)anthracene	0.0496	0.0606		ug/L		122	50 - 150
Benzo[a]pyrene	0.0198	0.0268		ug/L		135	50 - 150
Benzo[b]fluoranthene	0.0198	0.0276		ug/L		139	50 - 150
Benzo[g,h,i]perylene	0.0496	0.0563		ug/L		114	50 - 150
Benzo[k]fluoranthene	0.0198	0.0277		ug/L		140	50 - 150
beta-BHC	0.0992	0.106		ug/L		107	50 - 150
Bis(2-ethylhexyl) phthalate	0.595	0.549	J	ug/L		92	50 - 150
Aldrin	0.00992	0.0101		ug/L		102	50 - 150
Bromacil	0.0992	0.132		ug/L		133	50 - 150
Butachlor	0.0496	0.0641		ug/L		129	50 - 150
Butylbenzylphthalate	0.496	0.563		ug/L		113	50 - 150
Chlorobenzilate	0.0992	0.112		ug/L		112	50 - 150
Chloroneb	0.0992	0.102		ug/L		102	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0992	0.0976	J	ug/L		98	50 - 150
Chlorpyrifos	0.0496	0.0529		ug/L		107	50 - 150
Chrysene	0.0198	0.0223		ug/L		112	50 - 150
delta-BHC	0.0992	0.0901	J	ug/L		91	50 - 150
Di(2-ethylhexyl)adipate	0.595	0.634		ug/L		107	50 - 150
Dibenz(a,h)anthracene	0.0496	0.0575		ug/L		116	50 - 150
Diclorvos (DDVP)	0.0496	0.0552		ug/L		111	50 - 150
Dieldrin	0.00992	0.0152	^3+	ug/L		153	50 - 150
Diethylphthalate	0.496	0.546		ug/L		110	50 - 150
Dimethylphthalate	0.496	0.513		ug/L		103	50 - 150

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

Lab Sample ID: MRL 380-161526/22-A
Matrix: Water
Analysis Batch: 161686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161526

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	0.496	1.02		ug/L		205	49 - 243
Di-n-octyl phthalate	0.0992	0.103		ug/L		104	50 - 150
Endosulfan I (Alpha)	0.0992	0.0877	J	ug/L		88	50 - 150
Endosulfan II (Beta)	0.0992	0.101		ug/L		102	50 - 150
Endosulfan sulfate	0.0992	0.123		ug/L		124	50 - 150
Endrin	0.00992	0.0135		ug/L		136	50 - 150
Endrin aldehyde	0.0992	0.144		ug/L		145	50 - 150
EPTC	0.0992	0.0982	J	ug/L		99	50 - 150
Fluoranthene	0.0992	0.109		ug/L		109	50 - 150
Fluorene	0.0496	0.0520		ug/L		105	50 - 150
gamma-BHC (Lindane)	0.00992	0.0124		ug/L		125	50 - 150
gamma-Chlordane	0.0248	0.0296	J	ug/L		119	50 - 150
Heptachlor	0.00992	0.0127		ug/L		128	50 - 150
Heptachlor epoxide (isomer B)	0.00992	0.0120		ug/L		121	50 - 150
Hexachlorobenzene	0.0496	0.0520		ug/L		105	50 - 150
Hexachlorocyclopentadiene	0.0496	0.0582		ug/L		117	50 - 150
Indeno[1,2,3-cd]pyrene	0.0496	0.0659		ug/L		133	50 - 150
Isophorone	0.0992	0.119		ug/L		120	50 - 150
Malathion	0.0992	0.121		ug/L		122	50 - 150
Methoxychlor	0.0496	0.0670		ug/L		135	50 - 150
Metolachlor	0.0496	0.0614		ug/L		124	50 - 150
Molinate	0.0992	0.104		ug/L		105	50 - 150
Naphthalene	0.0992	0.0964	J	ug/L		97	50 - 150
Parathion	0.0992	0.104		ug/L		105	50 - 150
Pendimethalin (Penoxaline)	0.0992	0.140		ug/L		142	50 - 150
Phenanthrene	0.0397	0.0443		ug/L		112	50 - 150
Propachlor	0.0496	0.0574		ug/L		116	50 - 150
Pyrene	0.0496	0.0555		ug/L		112	50 - 150
Simazine	0.0496	0.0614		ug/L		124	50 - 150
Terbacil	0.0992	0.118		ug/L		119	50 - 150
Terbuthylazine	0.0992	0.120		ug/L		121	50 - 150
Thiobencarb	0.0992	0.103		ug/L		104	50 - 150
trans-Nonachlor	0.0248	0.0297	J	ug/L		120	50 - 150
Trifluralin	0.0992	0.140		ug/L		141	50 - 150
1-Methylnaphthalene	0.0992	0.115		ug/L		115	50 - 150
2-Methylnaphthalene	0.0992	0.105		ug/L		106	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*93*		*70 - 130*
Perylene-d12	*97*		*70 - 130*
Triphenylphosphate	*115*		*70 - 130*

Lab Sample ID: MRL 380-161526/22-A
Matrix: Water
Analysis Batch: 161917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161526

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Dieldrin	0.00992	0.00962	J	ug/L		97	50 - 150

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

Lab Sample ID: MRL 380-161526/22-A
Matrix: Water
Analysis Batch: 161917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161526

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*91*		*70 - 130*
Triphenylphosphate	*103*		*70 - 130*

Lab Sample ID: 380-158427-1 MS
Matrix: Drinking Water
Analysis Batch: 161686

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA
Prep Batch: 161526

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	<0.097		1.97	2.22		ug/L		113	70 - 130
2,4'-DDE	<0.097		1.97	2.08		ug/L		105	70 - 130
2,4'-DDT	<0.097		1.97	2.09		ug/L		106	70 - 130
2,4-Dinitrotoluene	<0.097	*1	1.97	1.81		ug/L		92	70 - 130
2,6-Dinitrotoluene	<0.097	*1	1.97	1.54		ug/L		78	70 - 130
4,4'-DDD	<0.097		1.97	2.24		ug/L		113	70 - 130
4,4'-DDE	<0.097		1.97	2.23		ug/L		113	70 - 130
4,4'-DDT	<0.097		1.97	2.03		ug/L		103	70 - 130
Acenaphthene	<0.097		1.97	1.89		ug/L		96	70 - 130
Acenaphthylene	<0.097		1.97	2.08		ug/L		106	70 - 130
Acetochlor	<0.097		1.97	1.99		ug/L		101	70 - 130
Alachlor	<0.049		1.97	2.05		ug/L		104	70 - 130
alpha-BHC	<0.097		1.97	1.94		ug/L		98	70 - 130
alpha-Chlordane	<0.049		1.97	2.33		ug/L		118	70 - 130
Anthracene	<0.019	F1	1.97	1.42		ug/L		72	70 - 130
Atrazine	<0.049		1.97	2.11		ug/L		107	70 - 130
Benz(a)anthracene	<0.049		1.97	2.05		ug/L		104	70 - 130
Benzo[a]pyrene	<0.019		1.97	2.14		ug/L		108	70 - 130
Benzo[b]fluoranthene	<0.019		1.97	2.21		ug/L		112	70 - 130
Benzo[g,h,i]perylene	<0.049		1.97	1.94		ug/L		98	70 - 130
Benzo[k]fluoranthene	<0.019		1.97	2.14		ug/L		109	70 - 130
beta-BHC	<0.097		1.97	1.93		ug/L		98	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.97	1.86		ug/L		94	70 - 130
Aldrin	<0.0097		1.97	1.61		ug/L		82	70 - 130
Bromacil	<0.097	*1	1.97	1.74		ug/L		88	70 - 130
Butachlor	<0.049		1.97	2.05		ug/L		104	70 - 130
Butylbenzylphthalate	<0.49		1.97	2.02		ug/L		102	70 - 130
Chlorobenzilate	<0.097		1.97	1.90		ug/L		96	70 - 130
Chloroneb	<0.097		1.97	1.96		ug/L		100	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.97	2.19		ug/L		111	70 - 130
Chlorpyrifos	<0.049		1.97	2.11		ug/L		107	70 - 130
Chrysene	<0.019		1.97	2.01		ug/L		102	70 - 130
delta-BHC	<0.097		1.97	1.78		ug/L		90	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.97	1.98		ug/L		100	70 - 130
Dibenz(a,h)anthracene	<0.049		1.97	2.02		ug/L		103	70 - 130
Diclorvos (DDVP)	<0.049		1.97	1.77		ug/L		90	70 - 130
Dieldrin	<0.0097	^3+	1.97	2.00		ug/L		101	70 - 130
Diethylphthalate	<0.49		1.97	2.08		ug/L		105	70 - 130
Dimethylphthalate	<0.49		1.97	1.91		ug/L		97	70 - 130

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

Lab Sample ID: 380-158427-1 MS
Matrix: Drinking Water
Analysis Batch: 161686

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA
Prep Batch: 161526

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	<0.97		3.95	4.80		ug/L		111	70 - 130
Di-n-octyl phthalate	<0.097		1.97	1.99		ug/L		101	70 - 130
Endosulfan I (Alpha)	<0.097		1.97	1.87		ug/L		95	70 - 130
Endosulfan II (Beta)	<0.097		1.97	1.89		ug/L		96	70 - 130
Endosulfan sulfate	<0.097		1.97	1.93		ug/L		98	70 - 130
Endrin	<0.0097		1.97	2.31		ug/L		117	70 - 130
Endrin aldehyde	<0.097		1.97	2.02		ug/L		103	60 - 130
EPTC	<0.097		1.97	2.03		ug/L		103	70 - 130
Fluoranthene	<0.097		1.97	2.16		ug/L		110	70 - 130
Fluorene	<0.049		1.97	2.02		ug/L		102	70 - 130
gamma-BHC (Lindane)	<0.0097		1.97	2.09		ug/L		106	70 - 130
gamma-Chlordane	<0.049		1.97	2.29		ug/L		116	70 - 130
Heptachlor	<0.0097		1.97	2.31		ug/L		117	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.97	2.28		ug/L		116	70 - 130
Hexachlorobenzene	<0.049		1.97	2.12		ug/L		107	70 - 130
Hexachlorocyclopentadiene	<0.049		1.97	2.43		ug/L		123	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.97	2.24		ug/L		113	70 - 130
Isophorone	<0.097		1.97	1.95		ug/L		99	70 - 130
Malathion	<0.097		1.97	2.09		ug/L		106	70 - 130
Methoxychlor	<0.049		1.97	2.29		ug/L		116	70 - 130
Metolachlor	<0.049		1.97	2.13		ug/L		108	70 - 130
Molinate	<0.097		1.97	2.04		ug/L		103	70 - 130
Naphthalene	<0.097		1.97	1.88		ug/L		95	70 - 130
Parathion	<0.097		1.97	1.85		ug/L		94	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.97	2.43		ug/L		123	70 - 130
Phenanthrene	<0.039		1.97	1.85		ug/L		94	70 - 130
Propachlor	<0.049		1.97	1.96		ug/L		99	70 - 130
Pyrene	<0.049		1.97	2.19		ug/L		111	70 - 130
Simazine	<0.049		1.97	1.83		ug/L		93	70 - 130
Terbacil	<0.097	*1	1.97	1.68		ug/L		85	70 - 130
Terbuthylazine	<0.097		1.97	2.14		ug/L		108	70 - 130
Thiobencarb	<0.097		1.97	2.07		ug/L		105	70 - 130
trans-Nonachlor	<0.049		1.97	2.41		ug/L		122	70 - 130
Trifluralin	<0.097		1.97	2.33		ug/L		118	70 - 130
1-Methylnaphthalene	<0.097		1.97	1.88		ug/L		95	70 - 130
2-Methylnaphthalene	<0.097		1.97	1.92		ug/L		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*91*		*70 - 130*
Perylene-d12	*97*		*70 - 130*
Triphenylphosphate	*115*		*70 - 130*

Lab Sample ID: 380-158427-1 MSD
Matrix: Drinking Water
Analysis Batch: 161686

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA
Prep Batch: 161526

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4'-DDD	<0.097		1.94	2.24		ug/L		116	70 - 130	1	20

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

Lab Sample ID: 380-158427-1 MSD
Matrix: Drinking Water
Analysis Batch: 161686

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA
Prep Batch: 161526

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4'-DDE	<0.097		1.94	2.07		ug/L		107	70 - 130	0	20
2,4'-DDT	<0.097		1.94	2.13		ug/L		110	70 - 130	2	20
2,4-Dinitrotoluene	<0.097	*1	1.94	2.18		ug/L		112	70 - 130	18	20
2,6-Dinitrotoluene	<0.097	*1	1.94	1.88		ug/L		97	70 - 130	20	20
4,4'-DDD	<0.097		1.94	2.21		ug/L		114	70 - 130	1	20
4,4'-DDE	<0.097		1.94	2.21		ug/L		114	70 - 130	1	20
4,4'-DDT	<0.097		1.94	2.04		ug/L		105	70 - 130	0	20
Acenaphthene	<0.097		1.94	1.87		ug/L		97	70 - 130	1	20
Acenaphthylene	<0.097		1.94	1.95		ug/L		100	70 - 130	7	20
Acetochlor	<0.097		1.94	2.03		ug/L		105	70 - 130	2	20
Alachlor	<0.049		1.94	2.06		ug/L		106	70 - 130	0	20
alpha-BHC	<0.097		1.94	1.90		ug/L		98	70 - 130	2	20
alpha-Chlordane	<0.049		1.94	2.36		ug/L		122	70 - 130	1	20
Anthracene	<0.019	F1	1.94	1.34	F1	ug/L		69	70 - 130	6	20
Atrazine	<0.049		1.94	2.12		ug/L		110	70 - 130	0	20
Benz(a)anthracene	<0.049		1.94	2.02		ug/L		104	70 - 130	1	20
Benzo[a]pyrene	<0.019		1.94	2.02		ug/L		104	70 - 130	6	20
Benzo[b]fluoranthene	<0.019		1.94	2.18		ug/L		113	70 - 130	1	20
Benzo[g,h,i]perylene	<0.049		1.94	1.94		ug/L		100	70 - 130	0	20
Benzo[k]fluoranthene	<0.019		1.94	2.05		ug/L		106	70 - 130	4	20
beta-BHC	<0.097		1.94	1.90		ug/L		98	70 - 130	2	20
Bis(2-ethylhexyl) phthalate	<0.58		1.94	1.91		ug/L		98	70 - 130	2	20
Aldrin	<0.0097		1.94	1.61		ug/L		83	70 - 130	0	20
Bromacil	<0.097	*1	1.94	2.09		ug/L		108	70 - 130	18	20
Butachlor	<0.049		1.94	2.08		ug/L		107	70 - 130	2	20
Butylbenzylphthalate	<0.49		1.94	1.99		ug/L		103	70 - 130	1	20
Chlorobenzilate	<0.097		1.94	1.91		ug/L		99	70 - 130	1	20
Chloroneb	<0.097		1.94	1.94		ug/L		100	70 - 130	1	20
Chlorothalonil (Draconil, Bravo)	<0.097		1.94	2.16		ug/L		112	70 - 130	1	20
Chlorpyrifos	<0.049		1.94	2.11		ug/L		109	70 - 130	0	20
Chrysene	<0.019		1.94	1.95		ug/L		100	70 - 130	3	20
delta-BHC	<0.097		1.94	1.78		ug/L		92	70 - 130	0	20
Di(2-ethylhexyl)adipate	<0.58		1.94	2.01		ug/L		103	70 - 130	1	20
Dibenz(a,h)anthracene	<0.049		1.94	2.07		ug/L		107	70 - 130	2	20
Diclorvos (DDVP)	<0.049		1.94	1.93		ug/L		100	70 - 130	9	20
Dieldrin	<0.0097	^3+	1.94	2.06		ug/L		106	70 - 130	3	20
Diethylphthalate	<0.49		1.94	2.03		ug/L		105	70 - 130	2	20
Dimethylphthalate	<0.49		1.94	2.02		ug/L		104	70 - 130	6	20
Di-n-butyl phthalate	<0.97		3.88	4.62		ug/L		108	70 - 130	4	20
Di-n-octyl phthalate	<0.097		1.94	2.03		ug/L		105	70 - 130	2	20
Endosulfan I (Alpha)	<0.097		1.94	1.90		ug/L		98	70 - 130	1	20
Endosulfan II (Beta)	<0.097		1.94	1.87		ug/L		96	70 - 130	1	20
Endosulfan sulfate	<0.097		1.94	2.00		ug/L		103	70 - 130	3	20
Endrin	<0.0097		1.94	2.36		ug/L		122	70 - 130	2	20
Endrin aldehyde	<0.097		1.94	2.05		ug/L		106	60 - 130	1	20
EPTC	<0.097		1.94	2.00		ug/L		103	70 - 130	1	20
Fluoranthene	<0.097		1.94	2.12		ug/L		109	70 - 130	2	20
Fluorene	<0.049		1.94	1.99		ug/L		103	70 - 130	2	20
gamma-BHC (Lindane)	<0.0097		1.94	2.03		ug/L		105	70 - 130	3	20

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

Lab Sample ID: 380-158427-1 MSD
Matrix: Drinking Water
Analysis Batch: 161686

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA
Prep Batch: 161526

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
gamma-Chlordane	<0.049		1.94	2.32		ug/L		120	70 - 130	1	20
Heptachlor	<0.0097		1.94	2.32		ug/L		120	70 - 130	1	20
Heptachlor epoxide (isomer B)	<0.0097		1.94	2.27		ug/L		117	70 - 130	1	20
Hexachlorobenzene	<0.049		1.94	2.09		ug/L		108	70 - 130	1	20
Hexachlorocyclopentadiene	<0.049		1.94	2.31		ug/L		119	70 - 130	5	20
Indeno[1,2,3-cd]pyrene	<0.049		1.94	2.25		ug/L		116	70 - 130	0	20
Isophorone	<0.097		1.94	2.11		ug/L		109	70 - 130	8	20
Malathion	<0.097		1.94	2.10		ug/L		108	70 - 130	1	20
Methoxychlor	<0.049		1.94	2.25		ug/L		116	70 - 130	2	20
Metolachlor	<0.049		1.94	2.18		ug/L		112	70 - 130	2	20
Molinate	<0.097		1.94	2.02		ug/L		104	70 - 130	1	20
Naphthalene	<0.097		1.94	1.87		ug/L		97	70 - 130	0	20
Parathion	<0.097		1.94	1.80		ug/L		93	70 - 130	2	20
Pendimethalin (Penoxaline)	<0.097		1.94	2.36		ug/L		122	70 - 130	3	20
Phenanthrene	<0.039		1.94	1.82		ug/L		94	70 - 130	1	20
Propachlor	<0.049		1.94	1.98		ug/L		102	70 - 130	1	20
Pyrene	<0.049		1.94	2.15		ug/L		111	70 - 130	2	20
Simazine	<0.049		1.94	1.98		ug/L		102	70 - 130	8	20
Terbacil	<0.097	*1	1.94	1.93		ug/L		100	70 - 130	14	20
Terbuthylazine	<0.097		1.94	2.08		ug/L		107	70 - 130	3	20
Thiobencarb	<0.097		1.94	2.02		ug/L		104	70 - 130	3	20
trans-Nonachlor	<0.049		1.94	2.47		ug/L		127	70 - 130	2	20
Trifluralin	<0.097		1.94	2.32		ug/L		120	70 - 130	0	20
1-Methylnaphthalene	<0.097		1.94	1.88		ug/L		96	70 - 130	0	20
2-Methylnaphthalene	<0.097		1.94	1.89		ug/L		97	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*94*		*70 - 130*
Triphenylphosphate	*118*		*70 - 130*

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

Lab Sample ID: MB 570-593529/1-A
Matrix: Water
Analysis Batch: 598423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 593529

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*	*07/07/25 05:12*	*07/17/25 10:52*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*33 - 139*	*07/07/25 05:12*	*07/17/25 10:52*	*1*
2-Fluorobiphenyl (Surr)	*72*		*33 - 126*	*07/07/25 05:12*	*07/17/25 10:52*	*1*
2-Fluorophenol (Surr)	*45*		*12 - 120*	*07/07/25 05:12*	*07/17/25 10:52*	*1*
Nitrobenzene-d5 (Surr)	*74*		*36 - 120*	*07/07/25 05:12*	*07/17/25 10:52*	*1*
Phenol-d6 (Surr)	*27*		*10 - 120*	*07/07/25 05:12*	*07/17/25 10:52*	*1*
p-Terphenyl-d14 (Surr)	*77*		*47 - 131*	*07/07/25 05:12*	*07/17/25 10:52*	*1*

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

Lab Sample ID: MB 570-593529/1-A
Matrix: Water
Analysis Batch: 598195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 593529

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
2,4,5-Trichlorophenol	<5.0		5.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
2,4,6-Trichlorophenol	<1.0		1.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
2,4-Dichlorophenol	<1.0		1.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
2,4-Dinitrophenol	<5.0		5.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
2,6-Dichlorophenol	<5.0		5.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
2-Chloronaphthalene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
2-Chlorophenol	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
2-Methylnaphthalene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
2-Methylphenol	<1.0		1.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
2-Nitroaniline	<5.0		5.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
2-Nitrophenol	<5.0		5.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
3/4-Methylphenol	<2.0		2.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
3-Nitroaniline	<5.0		5.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
4,6-Dinitro-2-methylphenol	<5.0		5.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
4-Bromophenyl phenyl ether	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
4-Chloro-3-methylphenol	<1.0		1.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
4-Chloroaniline	<5.0		5.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
4-Chlorophenyl phenyl ether	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
4-Nitroaniline	<5.0		5.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
4-Nitrophenol	<5.0		5.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
Acenaphthene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Acenaphthylene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Aniline	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Anthracene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Benzidine	<5.0		5.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
Benzo[a]anthracene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Benzo[a]pyrene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Benzoic acid	<10		10		ug/L		07/07/25 05:12	07/16/25 21:30	1
Benzyl alcohol	<1.0		1.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
Bis(2-chloroethoxy)methane	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Bis(2-chloroethyl)ether	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
bis (2-Chloroisopropyl) ether	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Chrysene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Dibenzofuran	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Fluoranthene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Fluorene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Hexachloroethane	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Naphthalene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Nitrobenzene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
N-Nitrosodi-n-propylamine	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
N-Nitrosodiphenylamine	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Pentachlorophenol	<1.0		1.0		ug/L		07/07/25 05:12	07/16/25 21:30	1

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

Lab Sample ID: MB 570-593529/1-A
Matrix: Water
Analysis Batch: 598195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 593529

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1
Phenol	<1.0		1.0		ug/L		07/07/25 05:12	07/16/25 21:30	1
Pyrene	<0.20		0.20		ug/L		07/07/25 05:12	07/16/25 21:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*28 - 127*	*07/07/25 05:12*	*07/16/25 21:30*	*1*
2-Fluorobiphenyl (Surr)	*70*		*31 - 120*	*07/07/25 05:12*	*07/16/25 21:30*	*1*
2-Fluorophenol (Surr)	*39*		*17 - 120*	*07/07/25 05:12*	*07/16/25 21:30*	*1*
Nitrobenzene-d5 (Surr)	*73*		*27 - 120*	*07/07/25 05:12*	*07/16/25 21:30*	*1*
Phenol-d6 (Surr)	*24*		*10 - 120*	*07/07/25 05:12*	*07/16/25 21:30*	*1*
p-Terphenyl-d14 (Surr)	*76*		*45 - 120*	*07/07/25 05:12*	*07/16/25 21:30*	*1*

Lab Sample ID: LCS 570-593529/2-A
Matrix: Water
Analysis Batch: 598195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 593529

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	14.7		ug/L		73	47 - 120
2,4,5-Trichlorophenol	20.0	18.5		ug/L		93	57 - 120
2,4,6-Trichlorophenol	20.0	17.7		ug/L		89	52 - 129
2,4-Dichlorophenol	20.0	15.0		ug/L		75	53 - 122
2,4-Dinitrophenol	20.0	14.7		ug/L		74	1 - 173
2,6-Dichlorophenol	20.0	15.3		ug/L		76	50 - 120
2-Chloronaphthalene	20.0	17.7		ug/L		88	65 - 120
2-Chlorophenol	20.0	17.2		ug/L		86	36 - 120
2-Methylnaphthalene	20.0	14.1		ug/L		71	43 - 120
2-Methylphenol	20.0	15.1		ug/L		75	46 - 120
2-Nitroaniline	20.0	18.6		ug/L		93	51 - 125
2-Nitrophenol	20.0	14.8		ug/L		74	45 - 167
3/4-Methylphenol	40.0	25.8		ug/L		65	29 - 120
3-Nitroaniline	20.0	17.5		ug/L		87	62 - 129
4,6-Dinitro-2-methylphenol	20.0	16.9		ug/L		85	53 - 130
4-Bromophenyl phenyl ether	20.0	17.8		ug/L		89	65 - 120
4-Chloro-3-methylphenol	20.0	14.4		ug/L		72	41 - 128
4-Chloroaniline	20.0	14.1		ug/L		71	51 - 120
4-Chlorophenyl phenyl ether	20.0	17.6		ug/L		88	38 - 145
4-Nitroaniline	20.0	18.7		ug/L		94	64 - 129
4-Nitrophenol	20.0	5.15		ug/L		26	13 - 129
Acenaphthene	20.0	17.4		ug/L		87	60 - 132
Acenaphthylene	20.0	17.6		ug/L		88	54 - 126
Aniline	20.0	8.65	*-	ug/L		43	52 - 121
Anthracene	20.0	18.2		ug/L		91	43 - 120
Benzidine	20.0	<0.94	*-	ug/L		0.2	20 - 164
Benzo[a]anthracene	20.0	17.7		ug/L		89	42 - 133
Benzo[a]pyrene	20.0	17.9		ug/L		90	32 - 148
Benzo[b]fluoranthene	20.0	18.0		ug/L		90	42 - 140
Benzo[g,h,i]perylene	20.0	17.4		ug/L		87	1 - 195
Benzo[k]fluoranthene	20.0	17.9		ug/L		89	25 - 146

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

Lab Sample ID: LCS 570-593529/2-A
Matrix: Water
Analysis Batch: 598195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 593529

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzoic acid			20.0	5.56	J	ug/L		28	20 - 120		
Benzyl alcohol			20.0	13.7		ug/L		68	44 - 122		
Bis(2-chloroethoxy)methane			20.0	15.0		ug/L		75	49 - 165		
Bis(2-chloroethyl)ether			20.0	17.6		ug/L		88	43 - 126		
bis (2-Chloroisopropyl) ether			20.0	17.9		ug/L		90	63 - 139		
Chrysene			20.0	18.0		ug/L		90	44 - 140		
Dibenz(a,h)anthracene			20.0	17.9		ug/L		89	1 - 200		
Dibenzofuran			20.0	17.9		ug/L		90	48 - 120		
Fluoranthene			20.0	17.9		ug/L		90	43 - 121		
Fluorene			20.0	17.8		ug/L		89	70 - 120		
Hexachloroethane			20.0	14.5		ug/L		73	55 - 120		
Indeno[1,2,3-cd]pyrene			20.0	16.1		ug/L		81	1 - 151		
Naphthalene			20.0	14.4		ug/L		72	36 - 120		
Nitrobenzene			20.0	15.1		ug/L		76	54 - 158		
N-Nitrosodi-n-propylamine			20.0	17.4		ug/L		87	14 - 198		
N-Nitrosodiphenylamine			20.0	22.5		ug/L		113	65 - 133		
Pentachlorophenol			20.0	19.0		ug/L		95	38 - 152		
Phenanthrene			20.0	17.7		ug/L		88	65 - 120		
Phenol			20.0	7.43		ug/L		37	17 - 120		
Pyrene			20.0	19.0		ug/L		95	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*28 - 127*
2-Fluorobiphenyl (Surr)	*86*		*31 - 120*
2-Fluorophenol (Surr)	*53*		*17 - 120*
Nitrobenzene-d5 (Surr)	*74*		*27 - 120*
Phenol-d6 (Surr)	*35*		*10 - 120*
p-Terphenyl-d14 (Surr)	*88*		*45 - 120*

Lab Sample ID: LCSD 570-593529/3-A
Matrix: Water
Analysis Batch: 598195

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 593529

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	15.1		ug/L		76	47 - 120	3	20
2,4,5-Trichlorophenol			20.0	18.3		ug/L		92	57 - 120	1	20
2,4,6-Trichlorophenol			20.0	17.9		ug/L		90	52 - 129	1	35
2,4-Dichlorophenol			20.0	15.3		ug/L		76	53 - 122	2	30
2,4-Dinitrophenol			20.0	14.7		ug/L		74	1 - 173	0	79
2,6-Dichlorophenol			20.0	15.4		ug/L		77	50 - 120	1	20
2-Chloronaphthalene			20.0	17.7		ug/L		88	65 - 120	0	15
2-Chlorophenol			20.0	17.8		ug/L		89	36 - 120	3	37
2-Methylnaphthalene			20.0	14.7		ug/L		73	43 - 120	4	20
2-Methylphenol			20.0	16.4		ug/L		82	46 - 120	9	20
2-Nitroaniline			20.0	20.2		ug/L		101	51 - 125	8	20
2-Nitrophenol			20.0	15.5		ug/L		78	45 - 167	4	33
3/4-Methylphenol			40.0	28.2		ug/L		70	29 - 120	9	20
3-Nitroaniline			20.0	18.5		ug/L		93	62 - 129	6	20

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

Lab Sample ID: LCSD 570-593529/3-A
Matrix: Water
Analysis Batch: 598195

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 593529

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,6-Dinitro-2-methylphenol	20.0	17.2		ug/L		86	53 - 130	1	122
4-Bromophenyl phenyl ether	20.0	17.8		ug/L		89	65 - 120	0	26
4-Chloro-3-methylphenol	20.0	14.7		ug/L		73	41 - 128	2	44
4-Chloroaniline	20.0	14.4		ug/L		72	51 - 120	2	20
4-Chlorophenyl phenyl ether	20.0	17.6		ug/L		88	38 - 145	0	36
4-Nitroaniline	20.0	19.1		ug/L		96	64 - 129	2	20
4-Nitrophenol	20.0	5.92		ug/L		30	13 - 129	14	79
Acenaphthene	20.0	18.0		ug/L		90	60 - 132	4	29
Acenaphthylene	20.0	18.5		ug/L		92	54 - 126	5	45
Aniline	20.0	13.9	*1	ug/L		70	52 - 121	47	21
Anthracene	20.0	18.7		ug/L		93	43 - 120	3	40
Benzidine	20.0	<0.94	*- *1	ug/L		0.4	20 - 164	59	30
Benzo[a]anthracene	20.0	18.1		ug/L		91	42 - 133	2	32
Benzo[a]pyrene	20.0	18.2		ug/L		91	32 - 148	2	43
Benzo[b]fluoranthene	20.0	18.3		ug/L		92	42 - 140	2	43
Benzo[g,h,i]perylene	20.0	18.2		ug/L		91	1 - 195	5	61
Benzo[k]fluoranthene	20.0	18.8		ug/L		94	25 - 146	5	38
Benzoic acid	20.0	5.99	J	ug/L		30	20 - 120	7	30
Benzyl alcohol	20.0	14.2		ug/L		71	44 - 122	4	20
Bis(2-chloroethoxy)methane	20.0	15.9		ug/L		79	49 - 165	5	32
Bis(2-chloroethyl)ether	20.0	18.8		ug/L		94	43 - 126	7	65
bis (2-Chloroisopropyl) ether	20.0	19.7		ug/L		98	63 - 139	9	46
Chrysene	20.0	18.3		ug/L		92	44 - 140	2	53
Dibenz(a,h)anthracene	20.0	18.2		ug/L		91	1 - 200	2	75
Dibenzofuran	20.0	18.5		ug/L		92	48 - 120	3	20
Fluoranthene	20.0	18.1		ug/L		91	43 - 121	1	40
Fluorene	20.0	18.1		ug/L		90	70 - 120	2	23
Hexachloroethane	20.0	15.5		ug/L		77	55 - 120	6	32
Indeno[1,2,3-cd]pyrene	20.0	16.7		ug/L		84	1 - 151	4	60
Naphthalene	20.0	14.6		ug/L		73	36 - 120	2	39
Nitrobenzene	20.0	15.6		ug/L		78	54 - 158	3	37
N-Nitrosodi-n-propylamine	20.0	18.8		ug/L		94	14 - 198	8	52
N-Nitrosodiphenylamine	20.0	22.9		ug/L		114	65 - 133	2	20
Pentachlorophenol	20.0	19.3		ug/L		96	38 - 152	2	52
Phenanthrene	20.0	18.1		ug/L		90	65 - 120	2	24
Phenol	20.0	7.71		ug/L		39	17 - 120	4	39
Pyrene	20.0	18.9		ug/L		95	70 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*28 - 127*
2-Fluorobiphenyl (Surr)	*89*		*31 - 120*
2-Fluorophenol (Surr)	*57*		*17 - 120*
Nitrobenzene-d5 (Surr)	*76*		*27 - 120*
Phenol-d6 (Surr)	*37*		*10 - 120*
p-Terphenyl-d14 (Surr)	*91*		*45 - 120*

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

Lab Sample ID: 570-237041-A-2-A MS
Matrix: Water
Analysis Batch: 598195

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 593529

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.20		19.9	14.0		ug/L		70	36 - 120
2,4,5-Trichlorophenol	<4.9		19.9	16.3		ug/L		82	21 - 145
2,4,6-Trichlorophenol	<0.98		19.9	15.6		ug/L		78	37 - 144
2,4-Dichlorophenol	<0.98		19.9	12.7		ug/L		64	39 - 135
2,4-Dinitrophenol	<4.9		19.9	16.8		ug/L		85	1 - 191
2,6-Dichlorophenol	<4.9		19.9	13.7		ug/L		69	24 - 134
2-Chloronaphthalene	<0.20		19.9	15.8		ug/L		80	60 - 120
2-Chlorophenol	<0.20		19.9	14.1		ug/L		71	23 - 143
2-Methylnaphthalene	<0.20		19.9	13.5		ug/L		68	32 - 124
2-Methylphenol	<0.98		19.9	6.45		ug/L		32	10 - 135
2-Nitroaniline	<4.9	F2	19.9	<5.0		ug/L		19	10 - 147
2-Nitrophenol	<4.9		19.9	14.4		ug/L		73	29 - 182
3/4-Methylphenol	<2.0		39.7	9.73		ug/L		24	10 - 118
3-Nitroaniline	<4.9	F1	19.9	<5.0	F1	ug/L		0	10 - 153
4,6-Dinitro-2-methylphenol	<4.9		19.9	16.9		ug/L		85	1 - 181
4-Bromophenyl phenyl ether	<0.20		19.9	15.7		ug/L		79	53 - 127
4-Chloro-3-methylphenol	<0.98		19.9	9.85		ug/L		50	22 - 147
4-Chloroaniline	<4.9	F1	19.9	<5.0	F1	ug/L		1	10 - 131
4-Chlorophenyl phenyl ether	<0.20		19.9	15.6		ug/L		78	25 - 158
4-Nitroaniline	<4.9	F1	19.9	<5.0	F1	ug/L		0	10 - 180
4-Nitrophenol	<4.9		19.9	8.99		ug/L		45	1 - 132
Acenaphthene	<0.20		19.9	16.1		ug/L		81	47 - 145
Acenaphthylene	<0.20		19.9	14.3		ug/L		72	33 - 145
Aniline	<0.20	F1 *- *1	19.9	<0.20	F1	ug/L		0	10 - 113
Anthracene	<0.20		19.9	14.6		ug/L		74	27 - 133
Benzidine	<4.9	F1 *- *1	19.9	<5.0	F1	ug/L		0	10 - 57
Benzo[a]anthracene	<0.20		19.9	15.5		ug/L		78	33 - 143
Benzo[a]pyrene	<0.20		19.9	12.5		ug/L		63	17 - 163
Benzo[b]fluoranthene	<0.20		19.9	14.9		ug/L		75	24 - 159
Benzo[g,h,i]perylene	<0.20		19.9	16.0		ug/L		80	1 - 219
Benzo[k]fluoranthene	<0.20		19.9	15.8		ug/L		79	11 - 162
Benzoic acid	<9.8		19.9	<9.9		ug/L		28	10 - 97
Benzyl alcohol	<0.98		19.9	10.7		ug/L		54	10 - 122
Bis(2-chloroethoxy)methane	<0.20		19.9	13.1		ug/L		66	33 - 184
Bis(2-chloroethyl)ether	<0.20		19.9	14.7		ug/L		74	12 - 158
bis (2-Chloroisopropyl) ether	<0.20		19.9	14.4		ug/L		73	36 - 166
Chrysene	<0.20		19.9	16.1		ug/L		81	17 - 168
Dibenz(a,h)anthracene	<0.20		19.9	15.9		ug/L		80	1 - 227
Dibenzofuran	<0.20		19.9	16.4		ug/L		83	42 - 111
Fluoranthene	<0.20		19.9	16.9		ug/L		85	26 - 137
Fluorene	<0.20		19.9	16.1		ug/L		81	59 - 121
Hexachloroethane	<0.20		19.9	12.2		ug/L		61	40 - 120
Indeno[1,2,3-cd]pyrene	<0.20		19.9	14.9		ug/L		75	1 - 171
Naphthalene	<0.20		19.9	13.2		ug/L		66	21 - 133
Nitrobenzene	<0.20		19.9	17.7		ug/L		89	35 - 180
N-Nitrosodi-n-propylamine	<0.20		19.9	14.9		ug/L		75	1 - 230
N-Nitrosodiphenylamine	<0.20		19.9	15.2		ug/L		77	10 - 179
Pentachlorophenol	<0.98		19.9	21.1		ug/L		106	14 - 176

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

Lab Sample ID: 570-237041-A-2-A MS
Matrix: Water
Analysis Batch: 598195

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 593529

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	<0.20		19.9	16.3		ug/L		82	54 - 120
Phenol	<0.98		19.9	7.45		ug/L		37	5 - 120
Pyrene	<0.20		19.9	16.9		ug/L		85	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*28 - 127*
2-Fluorobiphenyl (Surr)	*74*		*31 - 120*
2-Fluorophenol (Surr)	*37*		*17 - 120*
Nitrobenzene-d5 (Surr)	*61*		*27 - 120*
Phenol-d6 (Surr)	*23*		*10 - 120*
p-Terphenyl-d14 (Surr)	*72*		*45 - 120*

Lab Sample ID: 570-237041-B-2-A MSD
Matrix: Water
Analysis Batch: 598195

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 593529

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.20		20.1	14.3		ug/L		71	36 - 120	2	30
2,4,5-Trichlorophenol	<4.9		20.1	17.3		ug/L		86	21 - 145	6	30
2,4,6-Trichlorophenol	<0.98		20.1	16.7		ug/L		83	37 - 144	7	58
2,4-Dichlorophenol	<0.98		20.1	13.8		ug/L		69	39 - 135	8	50
2,4-Dinitrophenol	<4.9		20.1	18.0		ug/L		90	1 - 191	7	132
2,6-Dichlorophenol	<4.9		20.1	14.2		ug/L		71	24 - 134	4	30
2-Chloronaphthalene	<0.20		20.1	16.8		ug/L		84	60 - 120	6	24
2-Chlorophenol	<0.20		20.1	14.6		ug/L		73	23 - 143	4	61
2-Methylnaphthalene	<0.20		20.1	13.8		ug/L		69	32 - 124	2	30
2-Methylphenol	<0.98		20.1	7.68		ug/L		38	10 - 135	17	30
2-Nitroaniline	<4.9	F2	20.1	5.79	F2	ug/L		29	10 - 147	40	30
2-Nitrophenol	<4.9		20.1	15.7		ug/L		78	29 - 182	8	55
3/4-Methylphenol	<2.0		40.2	11.0		ug/L		27	10 - 118	13	30
3-Nitroaniline	<4.9	F1	20.1	<5.0	F1	ug/L		0	10 - 153	NC	30
4,6-Dinitro-2-methylphenol	<4.9		20.1	18.2		ug/L		91	1 - 181	7	203
4-Bromophenyl phenyl ether	<0.20		20.1	17.1		ug/L		85	53 - 127	9	43
4-Chloro-3-methylphenol	<0.98		20.1	9.81		ug/L		49	22 - 147	0	73
4-Chloroaniline	<4.9	F1	20.1	<5.0	F1	ug/L		1	10 - 131	19	30
4-Chlorophenyl phenyl ether	<0.20		20.1	16.9		ug/L		84	25 - 158	8	61
4-Nitroaniline	<4.9	F1	20.1	<5.0	F1	ug/L		0	10 - 180	NC	30
4-Nitrophenol	<4.9		20.1	8.75		ug/L		44	1 - 132	3	131
Acenaphthene	<0.20		20.1	16.8		ug/L		84	47 - 145	4	48
Acenaphthylene	<0.20		20.1	14.7		ug/L		73	33 - 145	2	74
Aniline	<0.20	F1 *- *1	20.1	<0.20	F1	ug/L		0	10 - 113	NC	30
Anthracene	<0.20		20.1	15.2		ug/L		76	27 - 133	4	66
Benzidine	<4.9	F1 *- *1	20.1	<5.0	F1	ug/L		0	10 - 57	NC	30
Benzo[a]anthracene	<0.20		20.1	16.5		ug/L		82	33 - 143	6	53
Benzo[a]pyrene	<0.20		20.1	13.1		ug/L		65	17 - 163	4	72
Benzo[b]fluoranthene	<0.20		20.1	16.0		ug/L		80	24 - 159	7	71
Benzo[g,h,i]perylene	<0.20		20.1	17.4		ug/L		87	1 - 219	9	97
Benzo[k]fluoranthene	<0.20		20.1	16.7		ug/L		83	11 - 162	5	63

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

Lab Sample ID: 570-237041-B-2-A MSD
Matrix: Water
Analysis Batch: 598195

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 593529

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzoic acid	<9.8		20.1	<10		ug/L		31	10 - 97	11	30
Benzyl alcohol	<0.98		20.1	10.7		ug/L		53	10 - 122	0	30
Bis(2-chloroethoxy)methane	<0.20		20.1	14.6		ug/L		72	33 - 184	11	54
Bis(2-chloroethyl)ether	<0.20		20.1	14.6		ug/L		73	12 - 158	0	108
bis (2-Chloroisopropyl) ether	<0.20		20.1	15.1		ug/L		75	36 - 166	4	76
Chrysene	<0.20		20.1	17.5		ug/L		87	17 - 168	8	87
Dibenz(a,h)anthracene	<0.20		20.1	17.4		ug/L		87	1 - 227	9	126
Dibenzofuran	<0.20		20.1	17.2		ug/L		86	42 - 111	5	30
Fluoranthene	<0.20		20.1	17.6		ug/L		88	26 - 137	4	66
Fluorene	<0.20		20.1	17.2		ug/L		86	59 - 121	7	38
Hexachloroethane	<0.20		20.1	13.3		ug/L		66	40 - 120	9	52
Indeno[1,2,3-cd]pyrene	<0.20		20.1	16.1		ug/L		80	1 - 171	8	99
Naphthalene	<0.20		20.1	13.5		ug/L		67	21 - 133	3	65
Nitrobenzene	<0.20		20.1	18.2		ug/L		91	35 - 180	3	62
N-Nitrosodi-n-propylamine	<0.20		20.1	15.6		ug/L		78	1 - 230	4	87
N-Nitrosodiphenylamine	<0.20		20.1	13.7		ug/L		68	10 - 179	11	30
Pentachlorophenol	<0.98		20.1	22.6		ug/L		113	14 - 176	7	86
Phenanthrene	<0.20		20.1	17.3		ug/L		86	54 - 120	6	39
Phenol	<0.98		20.1	7.79		ug/L		39	5 - 120	4	64
Pyrene	<0.20		20.1	17.6		ug/L		87	52 - 120	4	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*81*		*28 - 127*
2-Fluorobiphenyl (Surr)	*79*		*31 - 120*
2-Fluorophenol (Surr)	*42*		*17 - 120*
Nitrobenzene-d5 (Surr)	*65*		*27 - 120*
Phenol-d6 (Surr)	*25*		*10 - 120*
p-Terphenyl-d14 (Surr)	*75*		*45 - 120*

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

Lab Sample ID: MB 570-596498/6
Matrix: Water
Analysis Batch: 596498

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			07/13/25 13:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*		*38 - 134*		*07/13/25 13:29*	*1*

Lab Sample ID: LCS 570-596498/4
Matrix: Water
Analysis Batch: 596498

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	420		ug/L		105	78 - 120		

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

Lab Sample ID: LCS 570-596498/4
Matrix: Water
Analysis Batch: 596498

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*78*		*38 - 134*

Lab Sample ID: LCSD 570-596498/5
Matrix: Water
Analysis Batch: 596498

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	417		ug/L		104	78 - 120	1	10

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

Lab Sample ID: MRL 570-596498/3
Matrix: Water
Analysis Batch: 596498

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	14.4		ug/L		144	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*66*		*38 - 134*

Lab Sample ID: 380-158440-C-1 MS
Matrix: Water
Analysis Batch: 596498

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	413		ug/L		103	68 - 122		

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

Lab Sample ID: 380-158440-C-1 MSD
Matrix: Water
Analysis Batch: 596498

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	402		ug/L		101	68 - 122	3	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*38 - 134*

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

Lab Sample ID: MBL 380-161293/4-A
Matrix: Water
Analysis Batch: 161484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161293

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.0040		0.020		ug/L		07/07/25 14:37	07/07/25 17:37	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.010		ug/L		07/07/25 14:37	07/07/25 17:37	1
1,2-Dibromoethane	<0.0040		0.010		ug/L		07/07/25 14:37	07/07/25 17:37	1

Surrogate	*MBL %Recovery*	*MBL Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane (Surr)	*85*		*60 - 140*	*07/07/25 14:37*	*07/07/25 17:37*	*1*

Lab Sample ID: LCS 380-161293/29-A
Matrix: Water
Analysis Batch: 161484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161293

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			0.200	0.214		ug/L		107	70 - 130		
1,2-Dibromo-3-Chloropropane			0.200	0.182		ug/L		91	70 - 130		
1,2-Dibromoethane			0.200	0.200		ug/L		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane (Surr)	*89*		*60 - 140*

Lab Sample ID: MRL 380-161293/2-A
Matrix: Water
Analysis Batch: 161484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161293

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			0.0200	0.0185	J	ug/L		93	60 - 140		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
1,2-Dibromopropane (Surr)	*87*		*60 - 140*

Lab Sample ID: MRL 380-161293/3-A
Matrix: Water
Analysis Batch: 161484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161293

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3-Trichloropropane			0.0500	0.0486		ug/L		97	60 - 140		
1,2-Dibromo-3-Chloropropane			0.0100	0.00907	J	ug/L		91	60 - 140		
1,2-Dibromoethane			0.0100	0.00910	J	ug/L		91	60 - 140		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
1,2-Dibromopropane (Surr)	*84*		*60 - 140*

Lab Sample ID: 380-158660-AB-1-A MS
Matrix: Water
Analysis Batch: 161484

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 161293

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		

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

Lab Sample ID: 380-158660-AB-1-A MS
Matrix: Water
Analysis Batch: 161484

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 161293

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	<0.010		0.250	0.213		ug/L		85	65 - 135
1,2-Dibromoethane	<0.010		0.250	0.229		ug/L		92	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dibromopropane (Surr)	*91*		*60 - 140*

Lab Sample ID: 380-158662-BU-1-A DU
Matrix: Water
Analysis Batch: 161484

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 161293

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	<0.010		<0.010		ug/L		NC	20
1,2-Dibromoethane	<0.010		<0.010		ug/L		NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,2-Dibromopropane (Surr)	*90*		*60 - 140*

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Lab Sample ID: MB 380-161021/3-A
Matrix: Water
Analysis Batch: 161283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161021

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50		ug/L		07/03/25 13:25	07/03/25 15:19	1
Chlordane (n.o.s.)	<0.10		0.10		ug/L		07/03/25 13:25	07/03/25 15:19	1
PCB-1016	<0.070		0.070		ug/L		07/03/25 13:25	07/03/25 15:19	1
PCB-1221	<0.10		0.10		ug/L		07/03/25 13:25	07/03/25 15:19	1
PCB-1232	<0.10		0.10		ug/L		07/03/25 13:25	07/03/25 15:19	1
PCB-1242	<0.10		0.10		ug/L		07/03/25 13:25	07/03/25 15:19	1
PCB-1248	<0.10		0.10		ug/L		07/03/25 13:25	07/03/25 15:19	1
PCB-1254	<0.10		0.10		ug/L		07/03/25 13:25	07/03/25 15:19	1
PCB-1260	<0.070		0.070		ug/L		07/03/25 13:25	07/03/25 15:19	1
Polychlorinated biphenyls, Total	<0.10		0.10		ug/L		07/03/25 13:25	07/03/25 15:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*70 - 130*	*07/03/25 13:25*	*07/03/25 15:19*	*1*

Lab Sample ID: LCS 380-161021/16-A
Matrix: Water
Analysis Batch: 161283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161021

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene			2.50	2.79		ug/L		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*111*		*70 - 130*

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Lab Sample ID: LCS 380-161021/18-A
Matrix: Water
Analysis Batch: 161283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161021

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chlordane (n.o.s.)			0.500	0.592		ug/L		118	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*123*		*70 - 130*

Lab Sample ID: LCS 380-161021/19-A
Matrix: Water
Analysis Batch: 161283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161021

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1242			0.500	0.448		ug/L		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*104*		*70 - 130*

Lab Sample ID: LCSD 380-161021/17-A
Matrix: Water
Analysis Batch: 161283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 161021

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toxaphene			2.50	2.74		ug/L		109	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*104*		*70 - 130*

Lab Sample ID: MRL 380-161021/1-A
Matrix: Water
Analysis Batch: 161283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161021

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene			0.500	0.589		ug/L		118	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Tetrachloro-m-xylene	*118*		*70 - 130*

Lab Sample ID: MRL 380-161021/2-A
Matrix: Water
Analysis Batch: 161283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161021

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chlordane (n.o.s.)			0.100	0.103		ug/L		103	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Tetrachloro-m-xylene	*104*		*70 - 130*

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

Lab Sample ID: 380-157917-G-1-B MS
Matrix: Water
Analysis Batch: 161283

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 161021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.50		2.46	2.93		ug/L		119	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*99*		*70 - 130*

Lab Sample ID: 380-157917-H-1-A MS
Matrix: Water
Analysis Batch: 161283

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 161021

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.10		0.490	0.458		ug/L		93	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*103*		*70 - 130*

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

Lab Sample ID: MB 570-596929/23
Matrix: Water
Analysis Batch: 596929

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			07/15/25 09:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Hexafluoro-2-propanol (Surr)	*86*		*54 - 120*		*07/15/25 09:38*	*1*

Lab Sample ID: LCS 570-596929/24
Matrix: Water
Analysis Batch: 596929

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	2.08		mg/L		104	78 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Hexafluoro-2-propanol (Surr)	*80*		*54 - 120*

Lab Sample ID: LCSD 570-596929/22
Matrix: Water
Analysis Batch: 596929

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	1.69		mg/L		84	78 - 131	21	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Hexafluoro-2-propanol (Surr)	*89*		*54 - 120*

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

Lab Sample ID: MRL 570-596929/26
Matrix: Water
Analysis Batch: 596929

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	0.0946	J	mg/L		95	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Hexafluoro-2-propanol (Surr)	*118*		*54 - 120*

Lab Sample ID: 380-158427-1 MS
Matrix: Drinking Water
Analysis Batch: 596929

Client Sample ID: MOANALUA WELLS (331-223-TP202)
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	2.07		mg/L		104	20 - 173		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Hexafluoro-2-propanol (Surr)	*87*		*54 - 120*

Lab Sample ID: 380-158427-1 MSD
Matrix: Drinking Water
Analysis Batch: 596929

Client Sample ID: MOANALUA WELLS (331-223-TP202)
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	2.01		mg/L		100	20 - 173	3	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Hexafluoro-2-propanol (Surr)	*80*		*54 - 120*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-161075/4
Matrix: Water
Analysis Batch: 161075

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			07/03/25 08:29	1
Sulfate	<0.25		0.25		mg/L			07/03/25 08:29	1

Lab Sample ID: LCS 380-161075/7
Matrix: Water
Analysis Batch: 161075

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	26.1		mg/L		104	90 - 110		
Sulfate			50.0	51.0		mg/L		102	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 380-161075/8
Matrix: Water
Analysis Batch: 161075

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	26.1		mg/L		104	90 - 110	0	20
Sulfate			50.0	51.0		mg/L		102	90 - 110	0	20

Lab Sample ID: MRL 380-161075/5
Matrix: Water
Analysis Batch: 161075

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	0.124	J	mg/L		99	50 - 150		
Sulfate			0.250	0.247	J	mg/L		99	50 - 150		

Lab Sample ID: MRL 380-161075/6
Matrix: Water
Analysis Batch: 161075

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	0.429	J	mg/L		86	50 - 150		
Sulfate			1.00	0.929		mg/L		93	50 - 150		

Lab Sample ID: 380-158422-Q-1 MS
Matrix: Water
Analysis Batch: 161075

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	53	E	12.5	64.1	E 4	mg/L		85	80 - 120		
Sulfate	94		25.0	118	E	mg/L		94	80 - 120		

Lab Sample ID: 380-158422-Q-1 MSD
Matrix: Water
Analysis Batch: 161075

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	53	E	12.5	64.3	E 4	mg/L		87	80 - 120	0	20
Sulfate	94		25.0	118	E	mg/L		95	80 - 120	0	20

Lab Sample ID: MB 380-161108/9
Matrix: Water
Analysis Batch: 161108

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			07/03/25 17:43	1

Lab Sample ID: LCS 380-161108/7
Matrix: Water
Analysis Batch: 161108

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			100	96.8		ug/L		97	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 380-161108/8
Matrix: Water
Analysis Batch: 161108

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	96.2		ug/L		96	90 - 110	1	10

Lab Sample ID: MRL 380-161108/5
Matrix: Water
Analysis Batch: 161108

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	4.68	J	ug/L		94	75 - 125		

Lab Sample ID: 380-158427-1 MS
Matrix: Drinking Water
Analysis Batch: 161108

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide	310		50.0	342	4	ug/L		57	80 - 120		

Lab Sample ID: 380-158427-1 MSD
Matrix: Drinking Water
Analysis Batch: 161108

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	310		50.0	339	4	ug/L		52	80 - 120	1	20

Lab Sample ID: MB 380-161151/4
Matrix: Water
Analysis Batch: 161151

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			07/04/25 14:20	1
Sulfate	<0.25		0.25		mg/L			07/04/25 14:20	1

Lab Sample ID: LCS 380-161151/7
Matrix: Water
Analysis Batch: 161151

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	24.5		mg/L		98	90 - 110		
Sulfate			50.0	49.0		mg/L		98	90 - 110		

Lab Sample ID: LCSD 380-161151/8
Matrix: Water
Analysis Batch: 161151

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	24.5		mg/L		98	90 - 110	0	20
Sulfate			50.0	49.0		mg/L		98	90 - 110	0	20

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 380-161151/5
Matrix: Water
Analysis Batch: 161151

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	0.122	J	mg/L		98	50 - 150
Sulfate	0.250	0.231	J	mg/L		92	50 - 150

Lab Sample ID: MRL 380-161151/6
Matrix: Water
Analysis Batch: 161151

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	0.433	J	mg/L		87	50 - 150
Sulfate	1.00	0.863		mg/L		86	50 - 150

Lab Sample ID: 380-158422-Q-1 MS
Matrix: Water
Analysis Batch: 161151

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	53		25.0	76.0		mg/L		91	80 - 120
Sulfate	91		50.0	140		mg/L		98	80 - 120

Lab Sample ID: 380-158422-Q-1 MSD
Matrix: Water
Analysis Batch: 161151

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	53		25.0	75.6		mg/L		90	80 - 120	0	20
Sulfate	91		50.0	139		mg/L		97	80 - 120	0	20

Lab Sample ID: MB 380-161362/14
Matrix: Water
Analysis Batch: 161362

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			07/07/25 19:52	1

Lab Sample ID: LCS 380-161362/15
Matrix: Water
Analysis Batch: 161362

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	100	97.1		ug/L		97	90 - 110

Lab Sample ID: LCSD 380-161362/16
Matrix: Water
Analysis Batch: 161362

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	96.9		ug/L		97	90 - 110	0	10

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 380-161362/13
Matrix: Water
Analysis Batch: 161362

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	5.07		ug/L		101	75 - 125		

Lab Sample ID: 380-158509-E-1 MS
Matrix: Water
Analysis Batch: 161362

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	20		50.0	67.5		ug/L		95	80 - 120		

Lab Sample ID: 380-158509-E-1 MSD
Matrix: Water
Analysis Batch: 161362

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	20		50.0	68.2		ug/L		97	80 - 120	1	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-161321/71
Matrix: Water
Analysis Batch: 161321

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			07/07/25 12:11	1
Magnesium	<0.0099		0.10		mg/L			07/07/25 12:11	1
Potassium	<0.044		0.10		mg/L			07/07/25 12:11	1
Sodium	<0.019		0.10		mg/L			07/07/25 12:11	1

Lab Sample ID: LCS 380-161321/74
Matrix: Water
Analysis Batch: 161321

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	48.4		mg/L		97	85 - 115		
Magnesium			20.0	19.9		mg/L		99	85 - 115		
Potassium			20.0	19.6		mg/L		98	85 - 115		
Sodium			50.0	49.2		mg/L		98	85 - 115		

Lab Sample ID: LCSD 380-161321/75
Matrix: Water
Analysis Batch: 161321

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	48.5		mg/L		97	85 - 115	0	20
Magnesium			20.0	19.8		mg/L		99	85 - 115	0	20
Potassium			20.0	19.7		mg/L		98	85 - 115	0	20
Sodium			50.0	49.1		mg/L		98	85 - 115	0	20

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LLCS 380-161321/72
Matrix: Water
Analysis Batch: 161321

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	0.0977	J	mg/L		98	50 - 150
Potassium	0.100	0.110		mg/L		110	50 - 150
Sodium	0.100	0.102		mg/L		102	50 - 150

Lab Sample ID: LLCS 380-161321/73
Matrix: Water
Analysis Batch: 161321

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	0.0965	J	mg/L		96	50 - 150

Lab Sample ID: 380-158374-BF-1 MS
Matrix: Water
Analysis Batch: 161321

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	3.9		50.0	53.3		mg/L		99	70 - 130
Magnesium	1.3		20.0	21.8		mg/L		102	70 - 130
Potassium	0.51		20.0	20.8		mg/L		101	70 - 130
Sodium	3.2		50.0	54.0		mg/L		102	70 - 130

Lab Sample ID: 380-158374-BF-1 MSD
Matrix: Water
Analysis Batch: 161321

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	3.9		50.0	53.4		mg/L		99	70 - 130	0	20
Magnesium	1.3		20.0	21.8		mg/L		103	70 - 130	0	20
Potassium	0.51		20.0	20.6		mg/L		101	70 - 130	1	20
Sodium	3.2		50.0	53.9		mg/L		101	70 - 130	0	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-161455/49
Matrix: Water
Analysis Batch: 161455

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			07/07/25 18:04	1
Arsenic	<0.25		1.0		ug/L			07/07/25 18:04	1
Beryllium	<0.12		0.30		ug/L			07/07/25 18:04	1
Cadmium	<0.081		0.50		ug/L			07/07/25 18:04	1
Chromium	<0.33		0.90		ug/L			07/07/25 18:04	1
Copper	<0.28		1.0		ug/L			07/07/25 18:04	1
Lead	<0.084		0.50		ug/L			07/07/25 18:04	1
Nickel	<0.38		1.0		ug/L			07/07/25 18:04	1
Selenium	<0.25		2.0		ug/L			07/07/25 18:04	1
Silver	<0.30		0.50		ug/L			07/07/25 18:04	1
Thallium	<0.10		0.30		ug/L			07/07/25 18:04	1
Zinc	<1.3		5.0		ug/L			07/07/25 18:04	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: LCS 380-161455/51
Matrix: Water
Analysis Batch: 161455

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	50.3		ug/L		101	85 - 115
Arsenic	50.0	50.9		ug/L		102	85 - 115
Beryllium	50.0	49.9		ug/L		100	85 - 115
Cadmium	50.0	49.6		ug/L		99	85 - 115
Chromium	50.0	51.2		ug/L		102	85 - 115
Copper	50.0	51.1		ug/L		102	85 - 115
Lead	50.0	50.7		ug/L		101	85 - 115
Nickel	50.0	50.4		ug/L		101	85 - 115
Selenium	50.0	49.6		ug/L		99	85 - 115
Silver	50.0	51.8		ug/L		104	85 - 115
Thallium	50.0	51.7		ug/L		103	85 - 115
Zinc	50.0	50.2		ug/L		100	85 - 115

Lab Sample ID: LCSD 380-161455/52
Matrix: Water
Analysis Batch: 161455

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	50.9		ug/L		102	85 - 115	1	20
Arsenic	50.0	50.9		ug/L		102	85 - 115	0	20
Beryllium	50.0	50.4		ug/L		101	85 - 115	1	20
Cadmium	50.0	50.2		ug/L		100	85 - 115	1	20
Chromium	50.0	50.9		ug/L		102	85 - 115	1	20
Copper	50.0	51.1		ug/L		102	85 - 115	0	20
Lead	50.0	50.8		ug/L		102	85 - 115	0	20
Nickel	50.0	50.3		ug/L		101	85 - 115	0	20
Selenium	50.0	49.6		ug/L		99	85 - 115	0	20
Silver	50.0	52.1		ug/L		104	85 - 115	1	20
Thallium	50.0	51.9		ug/L		104	85 - 115	0	20
Zinc	50.0	50.2		ug/L		100	85 - 115	0	20

Lab Sample ID: LLCS 380-161455/50
Matrix: Water
Analysis Batch: 161455

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	1.02		ug/L		102	50 - 150
Arsenic	1.00	0.982	J	ug/L		98	50 - 150
Beryllium	0.300	0.299	J	ug/L		100	50 - 150
Cadmium	0.500	0.422	J	ug/L		84	50 - 150
Chromium	0.900	0.837	J	ug/L		93	50 - 150
Copper	1.00	1.05		ug/L		105	50 - 150
Lead	0.500	0.505		ug/L		101	50 - 150
Nickel	1.00	1.04		ug/L		104	50 - 150
Selenium	2.00	1.96	J	ug/L		98	50 - 150
Silver	0.500	<0.30		ug/L		59	50 - 150
Thallium	0.300	0.228	J	ug/L		76	50 - 150
Zinc	5.00	5.07		ug/L		101	50 - 150

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

Lab Sample ID: 380-158419-A-1 MS
Matrix: Water
Analysis Batch: 161455

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	54.9		ug/L		110	70 - 130
Arsenic	<1.0		50.0	55.8		ug/L		112	70 - 130
Beryllium	<0.30		50.0	51.0		ug/L		102	70 - 130
Cadmium	<0.50		50.0	51.1		ug/L		102	70 - 130
Chromium	<0.90		50.0	50.3		ug/L		101	70 - 130
Copper	24		50.0	74.2		ug/L		100	70 - 130
Lead	<0.50		50.0	49.4		ug/L		99	70 - 130
Nickel	1.3		50.0	49.6		ug/L		96	70 - 130
Selenium	<2.0		50.0	60.5		ug/L		120	70 - 130
Silver	<0.50		50.0	49.6		ug/L		99	70 - 130
Thallium	<0.30		50.0	50.3		ug/L		101	70 - 130
Zinc	5.3		50.0	58.8		ug/L		107	70 - 130

Lab Sample ID: 380-158419-A-1 MSD
Matrix: Water
Analysis Batch: 161455

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	58.1		ug/L		116	70 - 130	6	20
Arsenic	<1.0		50.0	57.3		ug/L		115	70 - 130	2	20
Beryllium	<0.30		50.0	51.7		ug/L		103	70 - 130	1	20
Cadmium	<0.50		50.0	52.7		ug/L		105	70 - 130	3	20
Chromium	<0.90		50.0	50.8		ug/L		102	70 - 130	1	20
Copper	24		50.0	74.0		ug/L		99	70 - 130	0	20
Lead	<0.50		50.0	49.7		ug/L		99	70 - 130	1	20
Nickel	1.3		50.0	50.0		ug/L		97	70 - 130	1	20
Selenium	<2.0		50.0	62.3		ug/L		124	70 - 130	3	20
Silver	<0.50		50.0	50.7		ug/L		101	70 - 130	2	20
Thallium	<0.30		50.0	51.4		ug/L		103	70 - 130	2	20
Zinc	5.3		50.0	59.0		ug/L		107	70 - 130	0	20

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: MBL 380-161262/1-A
Matrix: Water
Analysis Batch: 161559

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 161262

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20		ug/L		07/07/25 09:12	07/08/25 11:14	1

Lab Sample ID: LCS 380-161262/3-A
Matrix: Water
Analysis Batch: 161559

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 161262

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury			1.00	1.09		ug/L		109	85 - 115

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

Lab Sample ID: LCSD 380-161262/4-A
Matrix: Water
Analysis Batch: 161559

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 161262

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			1.00	1.08		ug/L		108	85 - 115	0	20

Lab Sample ID: LLCS 380-161262/2-A
Matrix: Water
Analysis Batch: 161559

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 161262

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.200	0.212		ug/L		106	50 - 150		

Lab Sample ID: 380-157927-G-2-B MS
Matrix: Water
Analysis Batch: 161559

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 161262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.20		1.00	1.06		ug/L		106	70 - 130		

Lab Sample ID: 380-157927-G-2-C MSD
Matrix: Water
Analysis Batch: 161559

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 161262

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		1.00	1.07		ug/L		107	70 - 130	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 380-161429/1
Matrix: Water
Analysis Batch: 161429

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			07/07/25 16:02	1
Bicarbonate Alkalinity as CaCO3	<4.0		4.0		mg/L			07/07/25 16:02	1
Carbonate Alkalinity as CaCO3	<4.0		4.0		mg/L			07/07/25 16:02	1

Lab Sample ID: LCS 380-161429/4
Matrix: Water
Analysis Batch: 161429

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	96.9		mg/L		97	90 - 110		

Lab Sample ID: LCSD 380-161429/19
Matrix: Water
Analysis Batch: 161429

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	97.1		mg/L		97	90 - 110	0	20

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LLCS 380-161429/5
Matrix: Water
Analysis Batch: 161429

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	18.8		mg/L		94	90 - 110

Lab Sample ID: MRL 380-161429/3
Matrix: Water
Analysis Batch: 161429

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	4.00	3.82	J	mg/L		96	50 - 150

Lab Sample ID: 380-158427-1 MS
Matrix: Drinking Water
Analysis Batch: 161429

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	52		100	148		mg/L		96	80 - 120

Lab Sample ID: 380-158427-1 MSD
Matrix: Drinking Water
Analysis Batch: 161429

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	52		100	147		mg/L		95	80 - 120	1	20

Lab Sample ID: 380-158427-2 MS
Matrix: Drinking Water
Analysis Batch: 161429

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
Alkalinity	65		100	161		mg/L		96	80 - 120

Lab Sample ID: 380-158427-2 MSD
Matrix: Drinking Water
Analysis Batch: 161429

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	65		100	162		mg/L		97	80 - 120	0	20

Lab Sample ID: 380-158427-1 DU
Matrix: Drinking Water
Analysis Batch: 161429

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	52		52.6		mg/L		0.8	20
Bicarbonate Alkalinity as CaCO3	52		52.6		mg/L		0.8	20
Carbonate Alkalinity as CaCO3	<4.0		<4.0		mg/L		NC	20

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 380-158427-2 DU
Matrix: Drinking Water
Analysis Batch: 161429

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	65			65.5		mg/L				0.8	20
Bicarbonate Alkalinity as CaCO3	65			65.5		mg/L				0.8	20
Carbonate Alkalinity as CaCO3	<4.0			<4.0		mg/L				NC	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 380-161432/3
Matrix: Water
Analysis Batch: 161432

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			07/07/25 16:02	1

Lab Sample ID: LCS 380-161432/5
Matrix: Water
Analysis Batch: 161432

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	996		umhos/cm		100	90 - 110		

Lab Sample ID: LCSD 380-161432/17
Matrix: Water
Analysis Batch: 161432

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	989		umhos/cm		99	90 - 110	1	10

Lab Sample ID: MRL 380-161432/4
Matrix: Water
Analysis Batch: 161432

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: 380-158427-1 DU
Matrix: Drinking Water
Analysis Batch: 161432

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	520			521		umhos/cm				0	20

Lab Sample ID: 380-158427-2 DU
Matrix: Drinking Water
Analysis Batch: 161432

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	840			837		umhos/cm				0.06	20

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

Lab Sample ID: MB 380-161337/1
Matrix: Water
Analysis Batch: 161337

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			07/07/25 16:08	1

Lab Sample ID: HLCS 380-161337/5
Matrix: Water
Analysis Batch: 161337

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	698		mg/L		100	80 - 114		

Lab Sample ID: LCS 380-161337/4
Matrix: Water
Analysis Batch: 161337

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	176		mg/L		101	80 - 114		

Lab Sample ID: MRL 380-161337/2
Matrix: Water
Analysis Batch: 161337

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 380-161337/3
Matrix: Water
Analysis Batch: 161337

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	7.00	J	mg/L		70	50 - 150		

Lab Sample ID: 380-158427-1 DU
Matrix: Drinking Water
Analysis Batch: 161337

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	350			348		mg/L				0.6	10

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-161436/40
Matrix: Water
Analysis Batch: 161436

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			07/07/25 20:29	1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 380-161436/42
Matrix: Water
Analysis Batch: 161436

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	1.02		mg/L		102	90 - 110		

Lab Sample ID: LCSD 380-161436/43
Matrix: Water
Analysis Batch: 161436

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	1.02		mg/L		102	90 - 110	0	10

Lab Sample ID: MRL 380-161436/41
Matrix: Water
Analysis Batch: 161436

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	0.0501		mg/L		100	50 - 150		

Lab Sample ID: 380-158651-A-2 MS
Matrix: Water
Analysis Batch: 161436

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	0.27		1.00	1.25		mg/L		99	80 - 120		

Lab Sample ID: 380-158651-A-2 MSD
Matrix: Water
Analysis Batch: 161436

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	0.27		1.00	1.26		mg/L		100	80 - 120	1	20

Method: SM 4500 H+ B - pH

Lab Sample ID: MB 380-161433/5
Matrix: Water
Analysis Batch: 161433

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
pH	5.7				SU			07/07/25 16:02	1

Lab Sample ID: LCS 380-161433/6
Matrix: Water
Analysis Batch: 161433

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		101	98 - 102		

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

Lab Sample ID: LCSD 380-161433/18
Matrix: Water
Analysis Batch: 161433

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		101	98 - 102	0	2

Lab Sample ID: 380-158427-1 DU
Matrix: Drinking Water
Analysis Batch: 161433

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.0	HF		8.1		SU				0.5	2

Lab Sample ID: 380-158427-2 DU
Matrix: Drinking Water
Analysis Batch: 161433

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.9	HF		7.9		SU				0.6	2

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 380-161340/3
Matrix: Water
Analysis Batch: 161340

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.050		0.050		mg/L			07/07/25 16:45	1

Lab Sample ID: LCS 380-161340/5
Matrix: Water
Analysis Batch: 161340

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	0.268		mg/L		107	90 - 110		

Lab Sample ID: LCSD 380-161340/6
Matrix: Water
Analysis Batch: 161340

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	0.273		mg/L		109	90 - 110	2	20

Lab Sample ID: MRL 380-161340/4
Matrix: Water
Analysis Batch: 161340

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	0.0497	J	mg/L		99	50 - 150		

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: 380-158189-Z-1 MS
Matrix: Water
Analysis Batch: 161340

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		
Sulfide	<0.050		0.250	0.231		mg/L		86	80 - 120		

Lab Sample ID: 380-158189-Z-1 MSD
Matrix: Water
Analysis Batch: 161340

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
Sulfide	<0.050		0.250	0.231		mg/L		86	80 - 120	0	20

GC/MS VOA

Analysis Batch: 161184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	524.2	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	524.2	
380-158427-3	TB:MOANALUA WELLS (331-223-TP202)	Total/NA	Water	524.2	
380-158427-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP06	Total/NA	Water	524.2	
MB 380-161184/8	Method Blank	Total/NA	Water	524.2	
LCS 380-161184/5	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-161184/6	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-161184/3	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-161184/4	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 161380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	524.2	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	524.2	
380-158427-3	TB:MOANALUA WELLS (331-223-TP202)	Total/NA	Water	524.2	
380-158427-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP06	Total/NA	Water	524.2	

GC/MS Semi VOA

Prep Batch: 161526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	525.2	
MB 380-161526/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-161526/23-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-161526/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-161526/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-158427-1 MS	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	
380-158427-1 MSD	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	

Analysis Batch: 161686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	161526
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	525.2	161526
MB 380-161526/21-A	Method Blank	Total/NA	Water	525.2	161526
LCS 380-161526/23-A	Lab Control Sample	Total/NA	Water	525.2	161526
LCSD 380-161526/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	161526
MRL 380-161526/22-A	Lab Control Sample	Total/NA	Water	525.2	161526
380-158427-1 MS	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	161526
380-158427-1 MSD	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	161526

Analysis Batch: 161917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	525.2	161526
MRL 380-161526/22-A	Lab Control Sample	Total/NA	Water	525.2	161526

Prep Batch: 593529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	625.1	
MB 570-593529/1-A	Method Blank	Total/NA	Water	625.1	

GC/MS Semi VOA (Continued)

Prep Batch: 593529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-593529/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-593529/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
570-237041-A-2-A MS	Matrix Spike	Total/NA	Water	625.1	
570-237041-B-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 598195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1 SIM	593529
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	625.1 SIM	593529
MB 570-593529/1-A	Method Blank	Total/NA	Water	625.1 SIM	593529
LCS 570-593529/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	593529
LCSD 570-593529/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	593529
570-237041-A-2-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	593529
570-237041-B-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	593529

Analysis Batch: 598423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1	593529
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	625.1	593529
MB 570-593529/1-A	Method Blank	Total/NA	Water	625.1	593529

GC VOA

Analysis Batch: 596498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B GRO LL	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	8015B GRO LL	
380-158427-3	TB:MOANALUA WELLS (331-223-TP202)	Total/NA	Water	8015B GRO LL	
380-158427-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP06	Total/NA	Water	8015B GRO LL	
MB 570-596498/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-596498/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-596498/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-596498/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-158440-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-158440-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 161021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	505	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	505	
MB 380-161021/3-A	Method Blank	Total/NA	Water	505	
LCS 380-161021/16-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-161021/18-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-161021/19-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-161021/17-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-161021/1-A	Lab Control Sample	Total/NA	Water	505	
MRL 380-161021/2-A	Lab Control Sample	Total/NA	Water	505	
380-157917-G-1-B MS	Matrix Spike	Total/NA	Water	505	
380-157917-H-1-A MS	Matrix Spike	Total/NA	Water	505	

GC Semi VOA

Analysis Batch: 161283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	505	161021
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	505	161021
MB 380-161021/3-A	Method Blank	Total/NA	Water	505	161021
LCS 380-161021/16-A	Lab Control Sample	Total/NA	Water	505	161021
LCS 380-161021/18-A	Lab Control Sample	Total/NA	Water	505	161021
LCS 380-161021/19-A	Lab Control Sample	Total/NA	Water	505	161021
LCSD 380-161021/17-A	Lab Control Sample Dup	Total/NA	Water	505	161021
MRL 380-161021/1-A	Lab Control Sample	Total/NA	Water	505	161021
MRL 380-161021/2-A	Lab Control Sample	Total/NA	Water	505	161021
380-157917-G-1-B MS	Matrix Spike	Total/NA	Water	505	161021
380-157917-H-1-A MS	Matrix Spike	Total/NA	Water	505	161021

Prep Batch: 161293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	504.1	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	504.1	
380-158427-3	TB:MOANALUA WELLS (331-223-TP202)	Total/NA	Water	504.1	
380-158427-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP06	Total/NA	Water	504.1	
MBL 380-161293/4-A	Method Blank	Total/NA	Water	504.1	
LCS 380-161293/29-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-161293/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-161293/3-A	Lab Control Sample	Total/NA	Water	504.1	
380-158660-AB-1-A MS	Matrix Spike	Total/NA	Water	504.1	
380-158662-BU-1-A DU	Duplicate	Total/NA	Water	504.1	

Analysis Batch: 161484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	504.1	161293
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	504.1	161293
380-158427-3	TB:MOANALUA WELLS (331-223-TP202)	Total/NA	Water	504.1	161293
380-158427-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP06	Total/NA	Water	504.1	161293
MBL 380-161293/4-A	Method Blank	Total/NA	Water	504.1	161293
LCS 380-161293/29-A	Lab Control Sample	Total/NA	Water	504.1	161293
MRL 380-161293/2-A	Lab Control Sample	Total/NA	Water	504.1	161293
MRL 380-161293/3-A	Lab Control Sample	Total/NA	Water	504.1	161293
380-158660-AB-1-A MS	Matrix Spike	Total/NA	Water	504.1	161293
380-158662-BU-1-A DU	Duplicate	Total/NA	Water	504.1	161293

Analysis Batch: 596929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	8015B	
MB 570-596929/23	Method Blank	Total/NA	Water	8015B	
LCS 570-596929/24	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-596929/22	Lab Control Sample Dup	Total/NA	Water	8015B	
MRL 570-596929/26	Lab Control Sample	Total/NA	Water	8015B	
380-158427-1 MS	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B	
380-158427-1 MSD	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B	

HPLC/IC

Analysis Batch: 161075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	300.0	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	300.0	
MB 380-161075/4	Method Blank	Total/NA	Water	300.0	
LCS 380-161075/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-161075/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-161075/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 380-161075/6	Lab Control Sample	Total/NA	Water	300.0	
380-158422-Q-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-158422-Q-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 161108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	300.0	
MB 380-161108/9	Method Blank	Total/NA	Water	300.0	
LCS 380-161108/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-161108/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-161108/5	Lab Control Sample	Total/NA	Water	300.0	
380-158427-1 MS	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	300.0	
380-158427-1 MSD	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	300.0	

Analysis Batch: 161151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	300.0	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	300.0	
MB 380-161151/4	Method Blank	Total/NA	Water	300.0	
LCS 380-161151/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-161151/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-161151/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 380-161151/6	Lab Control Sample	Total/NA	Water	300.0	
380-158422-Q-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-158422-Q-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 161362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	300.0	
MB 380-161362/14	Method Blank	Total/NA	Water	300.0	
LCS 380-161362/15	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-161362/16	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-161362/13	Lab Control Sample	Total/NA	Water	300.0	
380-158509-E-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-158509-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 161262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total Recoverable	Drinking Water	200.8	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total Recoverable	Drinking Water	200.8	
MBL 380-161262/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 380-161262/3-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 380-161262/4-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	

Metals (Continued)

Prep Batch: 161262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 380-161262/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
380-157927-G-2-B MS	Matrix Spike	Total Recoverable	Water	200.8	
380-157927-G-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.8	

Analysis Batch: 161321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	200.7 Rev 4.4	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	200.7 Rev 4.4	
MBL 380-161321/71	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-161321/74	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-161321/75	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-161321/72	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-161321/73	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
380-158374-BF-1 MS	Matrix Spike	Total/NA	Water	200.7 Rev 4.4	
380-158374-BF-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 161455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	200.8	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	200.8	
MBL 380-161455/49	Method Blank	Total/NA	Water	200.8	
LCS 380-161455/51	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-161455/52	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-161455/50	Lab Control Sample	Total/NA	Water	200.8	
380-158419-A-1 MS	Matrix Spike	Total/NA	Water	200.8	
380-158419-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 161559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total Recoverable	Drinking Water	200.8	161262
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total Recoverable	Drinking Water	200.8	161262
MBL 380-161262/1-A	Method Blank	Total Recoverable	Water	200.8	161262
LCS 380-161262/3-A	Lab Control Sample	Total Recoverable	Water	200.8	161262
LCSD 380-161262/4-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	161262
LLCS 380-161262/2-A	Lab Control Sample	Total Recoverable	Water	200.8	161262
380-157927-G-2-B MS	Matrix Spike	Total Recoverable	Water	200.8	161262
380-157927-G-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.8	161262

General Chemistry

Analysis Batch: 161337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 2540C	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 2540C	
MB 380-161337/1	Method Blank	Total/NA	Water	SM 2540C	
HLCS 380-161337/5	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-161337/4	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-161337/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-161337/3	Lab Control Sample	Total/NA	Water	SM 2540C	
380-158427-1 DU	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 2540C	

General Chemistry

Analysis Batch: 161340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 4500 S2 D	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 4500 S2 D	
MB 380-161340/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 380-161340/5	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 380-161340/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 380-161340/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
380-158189-Z-1 MS	Matrix Spike	Total/NA	Water	SM 4500 S2 D	
380-158189-Z-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 161429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 2320B	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 2320B	
MB 380-161429/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-161429/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-161429/19	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-161429/5	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-161429/3	Lab Control Sample	Total/NA	Water	SM 2320B	
380-158427-1 MS	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 2320B	
380-158427-1 MSD	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 2320B	
380-158427-2 MS	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 2320B	
380-158427-2 MSD	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 2320B	
380-158427-1 DU	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 2320B	
380-158427-2 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 2320B	

Analysis Batch: 161432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 2510B	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 2510B	
MB 380-161432/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-161432/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-161432/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-161432/4	Lab Control Sample	Total/NA	Water	SM 2510B	
380-158427-1 DU	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 2510B	
380-158427-2 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 2510B	

Analysis Batch: 161433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 4500 H+ B	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 4500 H+ B	
MB 380-161433/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-161433/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-161433/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	
380-158427-1 DU	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 4500 H+ B	
380-158427-2 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 4500 H+ B	

Analysis Batch: 161436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 4500 F C	
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP0(	Total/NA	Drinking Water	SM 4500 F C	
MB 380-161436/40	Method Blank	Total/NA	Water	SM 4500 F C	

General Chemistry (Continued)

Analysis Batch: 161436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 380-161436/42	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-161436/43	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-161436/41	Lab Control Sample	Total/NA	Water	SM 4500 F C	
380-158651-A-2 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-158651-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Lab Chronicle

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

Job ID: 380-158427-1
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-158427-1

Date Collected: 07/01/25 09:44
Date Received: 07/03/25 09:42

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	161184	N4CJ	EA POM	07/06/25 15:39
Total/NA	Analysis	524.2		1	161380	D5TU	EA POM	07/06/25 15:39
Total/NA	Prep	525.2			161526	IQ42	EA POM	07/08/25 13:40
Total/NA	Analysis	525.2		1	161686	Q8LA	EA POM	07/09/25 12:25
Total/NA	Prep	625.1			593529	H1SH	EET CAL 4	07/07/25 05:12
Total/NA	Analysis	625.1		1	598423	J7WE	EET CAL 4	07/17/25 12:02
Total/NA	Prep	625.1			593529	H1SH	EET CAL 4	07/07/25 05:12
Total/NA	Analysis	625.1 SIM		1	598195	AX7Z	EET CAL 4	07/17/25 00:52
Total/NA	Analysis	8015B GRO LL		1	596498	W4LC	EET CAL 4	07/13/25 15:08
Total/NA	Prep	504.1			161293	GVC6	EA POM	07/07/25 14:37 - 07/07/25 15:59 [1]
Total/NA	Analysis	504.1		1	161484	GVC6	EA POM	07/07/25 21:54
Total/NA	Prep	505			161021	DR5R	EA POM	07/03/25 13:25 - 07/03/25 14:28 [1]
Total/NA	Analysis	505		1	161283	DR5R	EA POM	07/03/25 16:49
Total/NA	Analysis	8015B		1	596929	ZE2W	EET CAL 4	07/15/25 12:11
Total/NA	Analysis	300.0		1	161075	BG6L	EA POM	07/03/25 14:49
Total/NA	Analysis	300.0		1	161108	UNJR	EA POM	07/04/25 00:18
Total/NA	Analysis	300.0		5	161151	LM8C	EA POM	07/04/25 17:09
Total/NA	Analysis	200.7 Rev 4.4		1	161321	MF7S	EA POM	07/07/25 12:27
Total Recoverable	Prep	200.8			161262	Z45W	EA POM	07/07/25 09:12
Total Recoverable	Analysis	200.8		1	161559	T8BB	EA POM	07/08/25 11:44
Total/NA	Analysis	200.8		1	161455	T8BB	EA POM	07/07/25 18:22
Total/NA	Analysis	SM 2320B		1	161429	PK4Q	EA POM	07/07/25 16:53
Total/NA	Analysis	SM 2510B		1	161432	PK4Q	EA POM	07/07/25 16:53
Total/NA	Analysis	SM 2540C		1	161337	UJRF	EA POM	07/07/25 16:08
Total/NA	Analysis	SM 4500 F C		1	161436	PK4Q	EA POM	07/07/25 21:10
Total/NA	Analysis	SM 4500 H+ B		1	161433	PK4Q	EA POM	07/07/25 16:53
Total/NA	Analysis	SM 4500 S2 D		1	161340	ZJ2C	EA POM	07/07/25 16:45

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

Lab Sample ID: 380-158427-2

Date Collected: 07/01/25 10:29
Date Received: 07/03/25 09:42

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	161184	N4CJ	EA POM	07/06/25 16:01
Total/NA	Analysis	524.2		1	161380	D5TU	EA POM	07/06/25 16:01
Total/NA	Prep	525.2			161526	IQ42	EA POM	07/08/25 13:40
Total/NA	Analysis	525.2		1	161917	Q8LA	EA POM	07/10/25 09:57
Total/NA	Prep	525.2			161526	IQ42	EA POM	07/08/25 13:40
Total/NA	Analysis	525.2		1	161686	Q8LA	EA POM	07/09/25 12:46
Total/NA	Prep	625.1			593529	H1SH	EET CAL 4	07/07/25 05:12
Total/NA	Analysis	625.1		1	598423	J7WE	EET CAL 4	07/17/25 12:26

Lab Chronicle

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

Job ID: 380-158427-1
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

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

Lab Sample ID: 380-158427-2

Date Collected: 07/01/25 10:29
Date Received: 07/03/25 09:42

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	625.1			593529	H1SH	EET CAL 4	07/07/25 05:12
Total/NA	Analysis	625.1 SIM		1	598195	AX7Z	EET CAL 4	07/17/25 01:14
Total/NA	Analysis	8015B GRO LL		1	596498	W4LC	EET CAL 4	07/13/25 15:30
Total/NA	Prep	504.1			161293	GVC6	EA POM	07/07/25 14:37 - 07/07/25 15:59 [1]
Total/NA	Analysis	504.1		1	161484	GVC6	EA POM	07/07/25 22:36
Total/NA	Prep	505			161021	DR5R	EA POM	07/03/25 13:25 - 07/03/25 14:28 [1]
Total/NA	Analysis	505		1	161283	DR5R	EA POM	07/03/25 17:11
Total/NA	Analysis	8015B		1	596929	ZE2W	EET CAL 4	07/15/25 12:32
Total/NA	Analysis	300.0		2	161075	BG6L	EA POM	07/03/25 15:15
Total/NA	Analysis	300.0		5	161362	UNJR	EA POM	07/07/25 22:30
Total/NA	Analysis	300.0		5	161151	LM8C	EA POM	07/04/25 17:25
Total/NA	Analysis	200.7 Rev 4.4		1	161321	MF7S	EA POM	07/07/25 12:32
Total Recoverable	Prep	200.8			161262	Z45W	EA POM	07/07/25 09:12
Total Recoverable	Analysis	200.8		1	161559	T8BB	EA POM	07/08/25 11:47
Total/NA	Analysis	200.8		1	161455	T8BB	EA POM	07/07/25 18:28
Total/NA	Analysis	SM 2320B		1	161429	PK4Q	EA POM	07/07/25 19:13
Total/NA	Analysis	SM 2510B		1	161432	PK4Q	EA POM	07/07/25 19:13
Total/NA	Analysis	SM 2540C		1	161337	UJRF	EA POM	07/07/25 16:08
Total/NA	Analysis	SM 4500 F C		1	161436	PK4Q	EA POM	07/07/25 21:14
Total/NA	Analysis	SM 4500 H+ B		1	161433	PK4Q	EA POM	07/07/25 19:13
Total/NA	Analysis	SM 4500 S2 D		1	161340	ZJ2C	EA POM	07/07/25 16:45

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-158427-3

Date Collected: 07/01/25 09:44
Date Received: 07/03/25 09:42

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	161184	N4CJ	EA POM	07/06/25 16:24
Total/NA	Analysis	524.2		1	161380	D5TU	EA POM	07/06/25 16:24
Total/NA	Analysis	8015B GRO LL		1	596498	W4LC	EET CAL 4	07/13/25 21:49
Total/NA	Prep	504.1			161293	GVC6	EA POM	07/07/25 14:37 - 07/07/25 15:59 [1]
Total/NA	Analysis	504.1		1	161484	GVC6	EA POM	07/07/25 22:58

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

Lab Sample ID: 380-158427-4

Date Collected: 07/01/25 10:29
Date Received: 07/03/25 09:42

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	161184	N4CJ	EA POM	07/06/25 16:46
Total/NA	Analysis	524.2		1	161380	D5TU	EA POM	07/06/25 16:46
Total/NA	Analysis	8015B GRO LL		1	596498	W4LC	EET CAL 4	07/13/25 22:12

Lab Chronicle

Client: City & County of Honolulu
Job ID: 380-158427-1
Project/Site: RED-HILL
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

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

Lab Sample ID: 380-158427-4

Date Collected: 07/01/25 10:29
Matrix: Water
Date Received: 07/03/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	504.1			161293	GVC6	EA POM	07/07/25 14:37 - 07/07/25 15:59 [1]
Total/NA	Analysis	504.1		1	161484	GVC6	EA POM	07/07/25 23:19

[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

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: City & County of Honolulu
Job ID: 380-158427-1
Project/Site: RED-HILL
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

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	01-31-26

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
524.2		Drinking Water	1,3-Dichloropropene, Total
524.2		Drinking Water	2-Butanone (MEK)
524.2		Drinking Water	Acetone
524.2		Drinking Water	Bromodichloromethane
524.2		Drinking Water	Bromoethane
524.2		Drinking Water	Bromoform
524.2		Drinking Water	Chlorodibromomethane
524.2		Drinking Water	Chloroform (Trichloromethane)
524 2		Drinking Water	m,p Xylenes
524.2		Drinking Water	o-Xylene
524.2		Water	1,3-Dichloropropene, Total
524.2		Water	2-Butanone (MEK)
524.2		Water	Acetone
524.2		Water	Bromodichloromethane
524.2		Water	Bromoethane
524.2		Water	Bromoform
524.2		Water	Chlorodibromomethane
524.2		Water	Chloroform (Trichloromethane)
524.2		Water	m,p-Xylenes
524.2		Water	o-Xylene
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

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	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
SM 2320B		Drinking Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Drinking Water	Carbonate Alkalinity as CaCO3
SM 4500 S2 D		Drinking 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
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25

Method Summary

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

Job ID: 380-158427-1
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

Method	Method Description	Protocol	Laboratory
524.2	Total Trihalomethanes	EPA-DW	EA POM
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	EA POM
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	Mercury (ICP/MS)	EPA	EA POM
200.8	Metals (ICP/MS)	EPA	EA POM
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
200.8	Preparation, Total Recoverable Metals	EPA	EA POM
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
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: 380-158427-1
SDG: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-158427-1	MOANALUA WELLS (331-223-TP202)	Drinking Water	07/01/25 09:44	07/03/25 09:42
380-158427-2	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Drinking Water	07/01/25 10:29	07/03/25 09:42
380-158427-3	TB:MOANALUA WELLS (331-223-TP202)	Water	07/01/25 09:44	07/03/25 09:42
380-158427-4	TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)	Water	07/01/25 10:29	07/03/25 09:42

Monrovia, CA (Suite 100)
750 Royal Oaks Drive Suite 100
Monrovia CA 91016
Phone (626) 386-1100

Chain of Custody Record

eurofins |

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 #: 380-158427 COC
Address: 630 South Beretania Street; Chemistry Lab	Due Date Requested:			
City: Honolulu	TAT Requested (days):			
State, Zip: HI 96843	Compliance Project: Δ No			
Phone: 808-748-5040 (tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL	Project #: 38001111			
Site:	SSOW#:			

Analysis Requested

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		
Moanalua Wells	1-Jul-2025	0944	G	Water			6	1	1	1	1	6	3	2	1	3	2	2	2		
Halawa Wells Units 1 & 2 P1	1-Jul-2025	1029	G	Water			6	1	1	1	1	6	3	2	1	3	2	2	2		
TB. Moanalua Wells	1-Jul-2025	0944					2					2				2					
TB. Halawa Wells Units 1 & 2	1-Jul-2025	1029					2					2				2					

Preservation Codes.

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

Other:

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: FED EX (1) 8824 5405 9760 (2) 8824 5405 9770

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:
[redacted]			

	Date/Time	Company	Received by	Date/Time	Company
[redacted]	01JUL2025 1400	HBWS			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				07/08/25 09:42	ECAR

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

Cooler Temperature(s) °C and Other Remarks: (1) 3.5°-0.0°=3.5° (2) 2.9°-0.0°=2.9° REC-FROZ

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 |

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 #: 380-158427 COC
Address: 630 South Beretania Street; Chemistry Lab	Due Date Requested:			
City: Honolulu	TAT Requested (days):			
State, Zip: HI 96843	Compliance Project: Δ No			
Phone: 808-748-5040 (tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL	Project #: 38001111			
Site:	SSOW#:			

Analysis Requested

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		
Moanalua Wells	1-Jul-2025	0944	G	Water			6	1	1	1	1	6	3	2	1	3	2	2	2		
Halawa Wells Units 1 & 2 P1	1-Jul-2025	1029	G	Water			6	1	1	1	1	6	3	2	1	3	2	2	2		
TB. Moanalua Wells	1-Jul-2025	0944					2					2				2					
TB. Halawa Wells Units 1 & 2	1-Jul-2025	1029					2					2				2					

Preservation Codes.

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

Other:

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: FED EX (1) 8824 5405 9760 (2) 8824 5405 9770

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:
[redacted]			

	Date/Time:	Company	Received by	Date/Time:	Company
	01JUL2025 1400	HBWS		07/08/25 09:42	EEA
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: (-151N) (1) 3.5°-0.0°=3.5° (2) 2.9°-0.0°=2.9° GEL-FROZ

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | En

Loc: 380
158427

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-228178.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Hawaii		Job #: 380-158427-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 7/17/2025	Analysis Requested		Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 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)	8015B_DAIEthanol	8015B_DRO_LL_CS/3510C_LL/HNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended List	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
MOANALUA WELLS (331-223-TP202) (380-158427-1)	7/1/25	09:44 Hawaiian	G	Water			X	X	X	X	9	MRLs are needed., MRLs are needed. Confirm any hits >RL.
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-158427-2)	7/1/25	10:29 Hawaiian	G	Water			X	X	X	X	9	MRLs are needed., MRLs are needed. Confirm any hits >RL.
TB:MOANALUA WELLS (331-223-TP202) (380-158427-3)	7/1/25	09:44 Hawaiian	G	Water					X		2	MRLs are needed.
TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) (380-158427-	7/1/25	10:29 Hawaiian	G	Water					X		2	MRLs are needed.

380-158427 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
Matthew MarkUrratia	7/3/25 1500	EEAP		7/3/25 1500	WP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	7/3/25 1608	WP		7-3-25 16:08	EC
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: 2.5/2.5 IR92

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

Chain of Custody Record

eurofins | En

Loc: 380
158427

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-228178.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Hawaii		Job #: 380-158427-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 7/17/2025	Analysis Requested		Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 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)	8015B_DAIEthanol	8015B_DRO_LL_CS/3510C_LL/HNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended List	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
MOANALUA WELLS (331-223-TP202) (380-158427-1)	7/1/25	09:44 Hawaiian	G	Water			X	X	X	X	9	MRLs are needed., MRLs are needed. Confirm any hits >RL.
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-158427-2)	7/1/25	10:29 Hawaiian	G	Water			X	X	X	X	9	MRLs are needed., MRLs are needed. Confirm any hits >RL.
TB:MOANALUA WELLS (331-223-TP202) (380-158427-3)	7/1/25	09:44 Hawaiian	G	Water					X		2	MRLs are needed.
TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) (380-158427-	7/1/25	10:29 Hawaiian	G	Water					X		2	MRLs are needed.

380-158427 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	Mark Urrutia	7/3/25 1500	EEAP		7/3/25 1500	WP
2		7/3/25 1608	WP		7-3-25 16:08	EC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.5/2.5 IR92

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-158427-1

SDG Number: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

Login Number: 158427

List Source: Eurofins Eaton Analytical Pomona

List Number: 1

Creator: Edrosa, Rey

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	N/A	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-158427-1
SDG Number: Quarterly: Moanalua Wells / Halawa Wells Units 1&2 P1

Login Number: 158427
List Number: 2
Creator: Mills, Mary

List Source: Eurofins Calscience
List Creation: 07/03/25 08:08 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5
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	