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

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JOB DESCRIPTION

RED-HILL
Quarterly: Aiea Gulch Wells P1/P2
RUSH Weekly Red Hill

JOB NUMBER

380-158448-1

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

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Authorized for release by
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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.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^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
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
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.
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)

Glossary (Continued)

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

Job Narrative
380-158448-1

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 1.0°C and 1.4°C.

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
Method 300_OF_28D_PREC: The continuing calibration blank (CCB) for analytical batch 380-161075 contained Chloride above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 300_OF_48H_PREC: The following samples were diluted for Nitrite as N to prevent detector saturation due to high conductivity: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-158448-1) and AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-158448-2). Elevated reporting limits (RLs) are provided.

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

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

General Chemistry
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: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-1

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Bromide	200		5.0		ug/L	1		300.0	Total/NA
Chloride	88	^2	1.0		mg/L	2		300.0	Total/NA
Nitrate as N	0.56		0.10		mg/L	2		300.0	Total/NA
Sulfate	13		0.50		mg/L	2		300.0	Total/NA
Calcium	19		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	16		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	2.2		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	32		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	1.7		0.90		ug/L	1		200.8	Total/NA
Copper	2.9		1.0		ug/L	1		200.8	Total/NA
Zinc	9.7		5.0		ug/L	1		200.8	Total/NA
Alkalinity	55		4.0		mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	55		4.0		mg/L	1		SM 2320B	Total/NA
Specific Conductance	420		2.0		umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	300		20		mg/L	1		SM 2540C	Total/NA
pH	7.9	HF			SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-2

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Bromide	150		5.0		ug/L	1		300.0	Total/NA
Chloride	81	^2	1.0		mg/L	2		300.0	Total/NA
Nitrate as N	0.55		0.10		mg/L	2		300.0	Total/NA
Sulfate	12		0.50		mg/L	2		300.0	Total/NA
Calcium	18		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	15		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	2.1		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	30		0.10		mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	1.7		0.90		ug/L	1		200.8	Total/NA
Copper	2.3		1.0		ug/L	1		200.8	Total/NA
Alkalinity	55		4.0		mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	55		4.0		mg/L	1		SM 2320B	Total/NA
Specific Conductance	400		2.0		umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	270		20		mg/L	1		SM 2540C	Total/NA
pH	8.0	HF			SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-3

No Detections.

Client Sample ID: TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-1

Date Collected: 07/02/25 09:56
Date Received: 07/03/25 09:42

Matrix: Water
PWSID Number: HI0000331

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 17:08	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 17:08	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/25 17:08	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/25 17:08	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/25 17:08	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			07/06/25 17:08	1
1,1-Dichlorethylene	<0.50		0.50		ug/L			07/06/25 17:08	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/25 17:08	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/25 17:08	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 17:08	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/06/25 17:08	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 17:08	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 17:08	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/25 17:08	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 17:08	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 17:08	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/25 17:08	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			07/06/25 17:08	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 17:08	1
2-Butanone (MEK)	<5.0		5.0		ug/L			07/06/25 17:08	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			07/06/25 17:08	1
Acetone	<500		500		ug/L			07/06/25 17:08	1
Benzene	<0.50		0.50		ug/L			07/06/25 17:08	1
Bromobenzene	<0.50		0.50		ug/L			07/06/25 17:08	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/25 17:08	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/25 17:08	1
Bromoethane	<0.50		0.50		ug/L			07/06/25 17:08	1
Bromoform	<0.50		0.50		ug/L			07/06/25 17:08	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			07/06/25 17:08	1
Carbon disulfide	<0.50		0.50		ug/L			07/06/25 17:08	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/25 17:08	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/25 17:08	1
Chlorodibromomethane	<0.50		0.50		ug/L			07/06/25 17:08	1
Chloroethane	<0.50		0.50		ug/L			07/06/25 17:08	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			07/06/25 17:08	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			07/06/25 17:08	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 17:08	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 17:08	1
Dibromomethane	<0.50		0.50		ug/L			07/06/25 17:08	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/25 17:08	1
Dichloromethane	<0.50		0.50		ug/L			07/06/25 17:08	1
Diisopropyl ether	<3.0		3.0		ug/L			07/06/25 17:08	1
Ethylbenzene	<0.50		0.50		ug/L			07/06/25 17:08	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/25 17:08	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/25 17:08	1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-1

Date Collected: 07/02/25 09:56
Date Received: 07/03/25 09:42

Matrix: Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.50		0.50		ug/L			07/06/25 17:08	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			07/06/25 17:08	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			07/06/25 17:08	1
Naphthalene	<0.50		0.50		ug/L			07/06/25 17:08	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/25 17:08	1
N-Propylbenzene	<0.50		0.50		ug/L			07/06/25 17:08	1
o-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 17:08	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			07/06/25 17:08	1
o-Xylene	<0.50		0.50		ug/L			07/06/25 17:08	1
p-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 17:08	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			07/06/25 17:08	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/25 17:08	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/25 17:08	1
Styrene	<0.50		0.50		ug/L			07/06/25 17:08	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			07/06/25 17:08	1
Tert-butyl ethyl ether	<3.0		3.0		ug/L			07/06/25 17:08	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/25 17:08	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			07/06/25 17:08	1
Toluene	<0.50		0.50		ug/L			07/06/25 17:08	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 17:08	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 17:08	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			07/06/25 17:08	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			07/06/25 17:08	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			07/06/25 17:08	1
Vinyl Chloride (VC)	<0.30		0.30		ug/L			07/06/25 17:08	1
Xylenes, Total	<0.50		0.50		ug/L			07/06/25 17:08	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 17:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/06/25 17:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*07/06/25 17:08*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*07/06/25 17:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/06/25 17:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*07/06/25 17:08*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*07/06/25 17:08*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
2,4'-DDE	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
2,4'-DDT	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
4,4'-DDD	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
4,4'-DDE	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
4,4'-DDT	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Acenaphthene	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 07/02/25 09:56
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158448-1
Matrix: Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Acetochlor	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Alachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
alpha-BHC	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
alpha-Chlordane	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Anthracene	<0.020		0.020		ug/L		07/09/25 08:02	07/09/25 15:44	1
Atrazine	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Benz(a)anthracene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Benzo[a]pyrene	<0.020		0.020		ug/L		07/09/25 08:02	07/09/25 15:44	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		07/09/25 08:02	07/09/25 15:44	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		07/09/25 08:02	07/09/25 15:44	1
beta-BHC	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		07/09/25 08:02	07/09/25 15:44	1
Aldrin	<0.0099		0.0099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Bromacil	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Butachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Butylbenzylphthalate	<0.49		0.49		ug/L		07/09/25 08:02	07/09/25 15:44	1
Chlorobenzilate	<0.099	F1 *+	0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Chloroneb	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Chlorpyrifos	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Chrysene	<0.020		0.020		ug/L		07/09/25 08:02	07/09/25 15:44	1
delta-BHC	<0.099	F1 ^+ *+	0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		07/09/25 08:02	07/09/25 15:44	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Diclorvos (DDVP)	<0.049	^3+	0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Dieldrin	<0.0099		0.0099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Diethylphthalate	<0.49		0.49		ug/L		07/09/25 08:02	07/09/25 15:44	1
Dimethylphthalate	<0.49		0.49		ug/L		07/09/25 08:02	07/09/25 15:44	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		07/09/25 08:02	07/09/25 15:44	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Endosulfan sulfate	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Endrin	<0.0099		0.0099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Endrin aldehyde	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
EPTC	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Fluoranthene	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Fluorene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
gamma-BHC (Lindane)	<0.0099		0.0099		ug/L		07/09/25 08:02	07/09/25 15:44	1
gamma-Chlordane	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Heptachlor	<0.0099		0.0099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Hexachlorobenzene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Isophorone	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-1

Date Collected: 07/02/25 09:56
Date Received: 07/03/25 09:42

Matrix: Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Malathion	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Methoxychlor	<0.049	^3+	0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Metolachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Molinate	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Naphthalene	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Parathion	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Pendimethalin (Penoxaline)	<0.099	^3+	0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Phenanthrene	<0.039		0.039		ug/L		07/09/25 08:02	07/09/25 15:44	1
Propachlor	<0.049	F1 *+	0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Pyrene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Simazine	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Terbacil	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Terbuthylazine	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Thiobencarb	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		07/09/25 08:02	07/09/25 15:44	1
trans-Nonachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:44	1
Trifluralin	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
1-Methylnaphthalene	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1
2-Methylnaphthalene	<0.099		0.099		ug/L		07/09/25 08:02	07/09/25 15:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*07/09/25 08:02*	*07/09/25 15:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*111*		*70 - 130*	*07/09/25 08:02*	*07/09/25 15:44*	*1*
Perylene-d12	*88*		*70 - 130*	*07/09/25 08:02*	*07/09/25 15:44*	*1*
Triphenylphosphate	*92*		*70 - 130*	*07/09/25 08:02*	*07/09/25 15:44*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
2,4,5-Trichlorophenol	<4.9		4.9		ug/L		07/07/25 05:12	07/17/25 03:52	1
2,4,6-Trichlorophenol	<0.98		0.98		ug/L		07/07/25 05:12	07/17/25 03:52	1
2,4-Dichlorophenol	<0.98		0.98		ug/L		07/07/25 05:12	07/17/25 03:52	1
2,4-Dinitrophenol	<4.9		4.9		ug/L		07/07/25 05:12	07/17/25 03:52	1
2,6-Dichlorophenol	<4.9		4.9		ug/L		07/07/25 05:12	07/17/25 03:52	1
2-Chloronaphthalene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
2-Chlorophenol	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
2-Methylnaphthalene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
2-Methylphenol	<0.98		0.98		ug/L		07/07/25 05:12	07/17/25 03:52	1
2-Nitroaniline	<4.9		4.9		ug/L		07/07/25 05:12	07/17/25 03:52	1
2-Nitrophenol	<4.9		4.9		ug/L		07/07/25 05:12	07/17/25 03:52	1
3/4-Methylphenol	<2.0		2.0		ug/L		07/07/25 05:12	07/17/25 03:52	1
3-Nitroaniline	<4.9		4.9		ug/L		07/07/25 05:12	07/17/25 03:52	1
4,6-Dinitro-2-methylphenol	<4.9		4.9		ug/L		07/07/25 05:12	07/17/25 03:52	1
4-Bromophenyl phenyl ether	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
4-Chloro-3-methylphenol	<0.98		0.98		ug/L		07/07/25 05:12	07/17/25 03:52	1
4-Chloroaniline	<4.9		4.9		ug/L		07/07/25 05:12	07/17/25 03:52	1
4-Chlorophenyl phenyl ether	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-1

Date Collected: 07/02/25 09:56
Date Received: 07/03/25 09:42

Matrix: Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	<4.9		4.9		ug/L		07/07/25 05:12	07/17/25 03:52	1
4-Nitrophenol	<4.9		4.9		ug/L		07/07/25 05:12	07/17/25 03:52	1
Acenaphthene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Acenaphthylene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Aniline	<0.20	*1 *-	0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Anthracene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Benzidine	<4.9	*- *1	4.9		ug/L		07/07/25 05:12	07/17/25 03:52	1
Benzo[a]anthracene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Benzo[a]pyrene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Benzoic acid	<9.8		9.8		ug/L		07/07/25 05:12	07/17/25 03:52	1
Benzyl alcohol	<0.98		0.98		ug/L		07/07/25 05:12	07/17/25 03:52	1
Bis(2-chloroethoxy)methane	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Bis(2-chloroethyl)ether	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
bis (2-Chloroisopropyl) ether	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Chrysene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Dibenzofuran	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Fluoranthene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Fluorene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Hexachloroethane	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Naphthalene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Nitrobenzene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
N-Nitrosodi-n-propylamine	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
N-Nitrosodiphenylamine	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Pentachlorophenol	<0.98		0.98		ug/L		07/07/25 05:12	07/17/25 03:52	1
Phenanthrene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1
Phenol	<0.98		0.98		ug/L		07/07/25 05:12	07/17/25 03:52	1
Pyrene	<0.20		0.20		ug/L		07/07/25 05:12	07/17/25 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*28 - 127*	*07/07/25 05:12*	*07/17/25 03:52*	*1*
2-Fluorobiphenyl (Surr)	*85*		*31 - 120*	*07/07/25 05:12*	*07/17/25 03:52*	*1*
2-Fluorophenol (Surr)	*43*		*17 - 120*	*07/07/25 05:12*	*07/17/25 03:52*	*1*
Nitrobenzene-d5 (Surr)	*85*		*27 - 120*	*07/07/25 05:12*	*07/17/25 03:52*	*1*
Phenol-d6 (Surr)	*26*		*10 - 120*	*07/07/25 05:12*	*07/17/25 03:52*	*1*
p-Terphenyl-d14 (Surr)	*91*		*45 - 120*	*07/07/25 05:12*	*07/17/25 03:52*	*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-sec-Butyl-3-methyl-1-pentene	*6.0*	*T J N*	*ug/L*		*2.56*	*75144-24-0*	*07/07/25 05:12*	*07/17/25 15:10*	*1*
2-Pentenal, (E)-	*14*	*T J N*	*ug/L*		*2.79*	*1576-87-0*	*07/07/25 05:12*	*07/17/25 15:10*	*1*
2-Decene, 3-methyl-, (Z)-	*9.2*	*T J N*	*ug/L*		*2.88*	*74630-26-5*	*07/07/25 05:12*	*07/17/25 15:10*	*1*
Cyclohexane, 1-methyl-2-propyl-	*11*	*T J N*	*ug/L*		*3.01*	*4291-79-6*	*07/07/25 05:12*	*07/17/25 15:10*	*1*

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-1

Date Collected: 07/02/25 09:56
Date Received: 07/03/25 09:42

Matrix: Water
PWSID Number: HI0000331

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*33 - 139*	*07/07/25 05:12*	*07/17/25 15:10*	*1*
2-Fluorobiphenyl (Surr)	*83*		*33 - 126*	*07/07/25 05:12*	*07/17/25 15:10*	*1*
2-Fluorophenol (Surr)	*50*		*12 - 120*	*07/07/25 05:12*	*07/17/25 15:10*	*1*
Nitrobenzene-d5 (Surr)	*87*		*36 - 120*	*07/07/25 05:12*	*07/17/25 15:10*	*1*
Phenol-d6 (Surr)	*29*		*10 - 120*	*07/07/25 05:12*	*07/17/25 15:10*	*1*
p-Terphenyl-d14 (Surr)	*97*		*47 - 131*	*07/07/25 05:12*	*07/17/25 15:10*	*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 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*		*38 - 134*		*07/13/25 17:33*	*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 23:40	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		07/07/25 14:37	07/07/25 23:40	1
1,2-Dibromoethane	<0.010		0.010	ug/L		07/07/25 14:37	07/07/25 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane (Surr)	*91*		*60 - 140*	*07/07/25 14:37*	*07/07/25 23:40*	*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		07/09/25 12:46	07/09/25 22:36	1
Chlordane (n.o.s.)	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:36	1
PCB-1016	<0.070		0.070	ug/L		07/09/25 12:46	07/09/25 22:36	1
PCB-1221	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:36	1
PCB-1232	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:36	1
PCB-1242	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:36	1
PCB-1248	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:36	1
PCB-1254	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:36	1
PCB-1260	<0.070		0.070	ug/L		07/09/25 12:46	07/09/25 22:36	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*70 - 130*	*07/09/25 12:46*	*07/09/25 22:36*	*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 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Hexafluoro-2-propanol (Surr)	*96*		*54 - 120*		*07/15/25 12:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**200**		5.0	ug/L			07/04/25 02:29	1
Chloride	**88**	**^2**	1.0	mg/L			07/03/25 18:27	2
Nitrate as N	**0.56**		0.10	mg/L			07/03/25 18:27	2

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-1

Date Collected: 07/02/25 09:56
Date Received: 07/03/25 09:42

Matrix: Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	<0.10		0.10		mg/L			07/03/25 18:27	2
Sulfate	**13**		0.50		mg/L			07/03/25 18:27	2

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**19**		0.10		mg/L			07/07/25 12:36	1
Magnesium	**16**		0.10		mg/L			07/07/25 12:36	1
Potassium	**2.2**		0.10		mg/L			07/07/25 12:36	1
Sodium	**32**		0.10		mg/L			07/07/25 12:36	1

Method: EPA 200.8 - Mercury (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L			07/07/25 18:36	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 18:36	1
Arsenic	<1.0		1.0		ug/L			07/07/25 18:36	1
Beryllium	<0.30		0.30		ug/L			07/07/25 18:36	1
Cadmium	<0.50		0.50		ug/L			07/07/25 18:36	1
Chromium	**1.7**		0.90		ug/L			07/07/25 18:36	1
Copper	**2.9**		1.0		ug/L			07/07/25 18:36	1
Lead	<0.50		0.50		ug/L			07/07/25 18:36	1
Nickel	<1.0		1.0		ug/L			07/07/25 18:36	1
Selenium	<2.0		2.0		ug/L			07/07/25 18:36	1
Silver	<0.50		0.50		ug/L			07/07/25 18:36	1
Thallium	<0.30		0.30		ug/L			07/07/25 18:36	1
Zinc	**9.7**		5.0		ug/L			07/07/25 18:36	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**55**		4.0		mg/L			07/07/25 18:17	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**55**		4.0		mg/L			07/07/25 18:17	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0		mg/L			07/07/25 18:17	1
Specific Conductance (SM 2510B)	**420**		2.0		umhos/cm			07/07/25 18:17	1
Total Dissolved Solids (SM 2540C)	**300**		20		mg/L			07/07/25 16:08	1
Fluoride (SM 4500 F C)	<0.050		0.050		mg/L			07/07/25 21:59	1
pH (SM 4500 H+ B)	**7.9**	**HF**			SU			07/07/25 18:17	1
Sulfide (SM 4500 S2 D)	<0.050		0.050		mg/L			07/07/25 16:45	1

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-2

Date Collected: 07/02/25 10:25
Date Received: 07/03/25 09:42

Matrix: Drinking Water
PWSID Number: HI0000331

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 17:30	1

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 07/02/25 10:25
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158448-2
Matrix: Drinking Water
PWSID Number: HI0000331

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 17:30	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/25 17:30	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/25 17:30	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/25 17:30	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			07/06/25 17:30	1
1,1-Dichlorethylene	<0.50		0.50		ug/L			07/06/25 17:30	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/25 17:30	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/25 17:30	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/06/25 17:30	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/25 17:30	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 17:30	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/25 17:30	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			07/06/25 17:30	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 17:30	1
2-Butanone (MEK)	<5.0		5.0		ug/L			07/06/25 17:30	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			07/06/25 17:30	1
Acetone	<500		500		ug/L			07/06/25 17:30	1
Benzene	<0.50		0.50		ug/L			07/06/25 17:30	1
Bromobenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/25 17:30	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/25 17:30	1
Bromoethane	<0.50		0.50		ug/L			07/06/25 17:30	1
Bromoform	<0.50		0.50		ug/L			07/06/25 17:30	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			07/06/25 17:30	1
Carbon disulfide	<0.50		0.50		ug/L			07/06/25 17:30	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/25 17:30	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
Chlorodibromomethane	<0.50		0.50		ug/L			07/06/25 17:30	1
Chloroethane	<0.50		0.50		ug/L			07/06/25 17:30	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			07/06/25 17:30	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			07/06/25 17:30	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 17:30	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 17:30	1
Dibromomethane	<0.50		0.50		ug/L			07/06/25 17:30	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/25 17:30	1
Dichloromethane	<0.50		0.50		ug/L			07/06/25 17:30	1
Diisopropyl ether	<3.0		3.0		ug/L			07/06/25 17:30	1
Ethylbenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/25 17:30	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
m,p-Xylenes	<0.50		0.50		ug/L			07/06/25 17:30	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			07/06/25 17:30	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			07/06/25 17:30	1
Naphthalene	<0.50		0.50		ug/L			07/06/25 17:30	1

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-2

Date Collected: 07/02/25 10:25
Date Received: 07/03/25 09:42

Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
N-Propylbenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
o-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 17:30	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			07/06/25 17:30	1
o-Xylene	<0.50		0.50		ug/L			07/06/25 17:30	1
p-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 17:30	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			07/06/25 17:30	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/25 17:30	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
Styrene	<0.50		0.50		ug/L			07/06/25 17:30	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			07/06/25 17:30	1
Tert-butyl ethyl ether	<3.0		3.0		ug/L			07/06/25 17:30	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/25 17:30	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			07/06/25 17:30	1
Toluene	<0.50		0.50		ug/L			07/06/25 17:30	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 17:30	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 17:30	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			07/06/25 17:30	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			07/06/25 17:30	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			07/06/25 17:30	1
Vinyl Chloride (VC)	<0.30		0.30		ug/L			07/06/25 17:30	1
Xylenes, Total	<0.50		0.50		ug/L			07/06/25 17:30	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 17:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/06/25 17:30*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*07/06/25 17:30*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*07/06/25 17:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/06/25 17:30*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*07/06/25 17:30*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*07/06/25 17:30*	*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		07/09/25 08:02	07/09/25 16:25	1
2,4'-DDE	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
2,4'-DDT	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
4,4'-DDD	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
4,4'-DDE	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
4,4'-DDT	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Acenaphthene	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Acenaphthylene	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Acetochlor	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Alachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
alpha-BHC	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Lab Sample ID: 380-158448-2
Date Collected: 07/02/25 10:25
Matrix: Drinking Water
Date Received: 07/03/25 09:42
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Anthracene	<0.020		0.020		ug/L		07/09/25 08:02	07/09/25 16:25	1
Atrazine	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Benz(a)anthracene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Benzo[a]pyrene	<0.020		0.020		ug/L		07/09/25 08:02	07/09/25 16:25	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		07/09/25 08:02	07/09/25 16:25	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		07/09/25 08:02	07/09/25 16:25	1
beta-BHC	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		07/09/25 08:02	07/09/25 16:25	1
Aldrin	<0.0098		0.0098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Bromacil	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Butachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Butylbenzylphthalate	<0.49		0.49		ug/L		07/09/25 08:02	07/09/25 16:25	1
Chlorobenzilate	<0.098	*+	0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Chloroneb	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Chlorpyrifos	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Chrysene	<0.020		0.020		ug/L		07/09/25 08:02	07/09/25 16:25	1
delta-BHC	<0.098	^+ *+	0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		07/09/25 08:02	07/09/25 16:25	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Diclorvos (DDVP)	<0.049	^3+	0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Dieldrin	<0.0098		0.0098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Diethylphthalate	<0.49		0.49		ug/L		07/09/25 08:02	07/09/25 16:25	1
Dimethylphthalate	<0.49		0.49		ug/L		07/09/25 08:02	07/09/25 16:25	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		07/09/25 08:02	07/09/25 16:25	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Endosulfan sulfate	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Endrin	<0.0098		0.0098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Endrin aldehyde	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
EPTC	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Fluoranthene	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Fluorene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
gamma-BHC (Lindane)	<0.0098		0.0098		ug/L		07/09/25 08:02	07/09/25 16:25	1
gamma-Chlordane	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Heptachlor	<0.0098		0.0098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Hexachlorobenzene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Isophorone	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Malathion	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Methoxychlor	<0.049	^3+	0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Metolachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Molinate	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-2

Date Collected: 07/02/25 10:25
Date Received: 07/03/25 09:42

Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Parathion	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Pendimethalin (Penoxaline)	<0.098	^3+	0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Phenanthrene	<0.039		0.039		ug/L		07/09/25 08:02	07/09/25 16:25	1
Propachlor	<0.049	*+	0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Pyrene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Simazine	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Terbacil	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Terbuthylazine	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Thiobencarb	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		07/09/25 08:02	07/09/25 16:25	1
trans-Nonachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 16:25	1
Trifluralin	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
1-Methylnaphthalene	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1
2-Methylnaphthalene	<0.098		0.098		ug/L		07/09/25 08:02	07/09/25 16:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*07/09/25 08:02*	*07/09/25 16:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*110*		*70 - 130*	*07/09/25 08:02*	*07/09/25 16:25*	*1*
Perylene-d12	*88*		*70 - 130*	*07/09/25 08:02*	*07/09/25 16:25*	*1*
Triphenylphosphate	*89*		*70 - 130*	*07/09/25 08:02*	*07/09/25 16:25*	*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 04:14	1
2,4,5-Trichlorophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 04:14	1
2,4,6-Trichlorophenol	<0.96		0.96		ug/L		07/07/25 05:12	07/17/25 04:14	1
2,4-Dichlorophenol	<0.96		0.96		ug/L		07/07/25 05:12	07/17/25 04:14	1
2,4-Dinitrophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 04:14	1
2,6-Dichlorophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 04:14	1
2-Chloronaphthalene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
2-Chlorophenol	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
2-Methylnaphthalene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
2-Methylphenol	<0.96		0.96		ug/L		07/07/25 05:12	07/17/25 04:14	1
2-Nitroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 04:14	1
2-Nitrophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 04:14	1
3/4-Methylphenol	<1.9		1.9		ug/L		07/07/25 05:12	07/17/25 04:14	1
3-Nitroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 04:14	1
4,6-Dinitro-2-methylphenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 04:14	1
4-Bromophenyl phenyl ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
4-Chloro-3-methylphenol	<0.96		0.96		ug/L		07/07/25 05:12	07/17/25 04:14	1
4-Chloroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 04:14	1
4-Chlorophenyl phenyl ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
4-Nitroaniline	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 04:14	1
4-Nitrophenol	<4.8		4.8		ug/L		07/07/25 05:12	07/17/25 04:14	1
Acenaphthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Acenaphthylene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-2

Date Collected: 07/02/25 10:25
Date Received: 07/03/25 09:42

Matrix: Drinking Water
PWSID Number: HI0000331

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 04:14	1
Anthracene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Benzidine	<4.8	*- *1	4.8		ug/L		07/07/25 05:12	07/17/25 04:14	1
Benzo[a]anthracene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Benzo[a]pyrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Benzoic acid	<9.6		9.6		ug/L		07/07/25 05:12	07/17/25 04:14	1
Benzyl alcohol	<0.96		0.96		ug/L		07/07/25 05:12	07/17/25 04:14	1
Bis(2-chloroethoxy)methane	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Bis(2-chloroethyl)ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
bis (2-Chloroisopropyl) ether	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Chrysene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Dibenzofuran	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Fluoranthene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Fluorene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Hexachloroethane	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Naphthalene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Nitrobenzene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
N-Nitrosodi-n-propylamine	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
N-Nitrosodiphenylamine	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Pentachlorophenol	<0.96		0.96		ug/L		07/07/25 05:12	07/17/25 04:14	1
Phenanthrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	1
Phenol	<0.96		0.96		ug/L		07/07/25 05:12	07/17/25 04:14	1
Pyrene	<0.19		0.19		ug/L		07/07/25 05:12	07/17/25 04:14	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 04:14*	*1*
2-Fluorobiphenyl (Surr)	*80*		*31 - 120*	*07/07/25 05:12*	*07/17/25 04:14*	*1*
2-Fluorophenol (Surr)	*42*		*17 - 120*	*07/07/25 05:12*	*07/17/25 04:14*	*1*
Nitrobenzene-d5 (Surr)	*86*		*27 - 120*	*07/07/25 05:12*	*07/17/25 04:14*	*1*
Phenol-d6 (Surr)	*26*		*10 - 120*	*07/07/25 05:12*	*07/17/25 04:14*	*1*
p-Terphenyl-d14 (Surr)	*79*		*45 - 120*	*07/07/25 05:12*	*07/17/25 04:14*	*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*
Cyclohexane, (1,1-dimethylpropyl)-	*10*	*T J N*	*ug/L*		*2.88*	*31797-64-5*	*07/07/25 05:12*	*07/17/25 15:33*	*1*
Cyclohexane, 1-methyl-2-propyl-	*11*	*T J N*	*ug/L*		*3.01*	*4291-79-6*	*07/07/25 05:12*	*07/17/25 15:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*33 - 139*	*07/07/25 05:12*	*07/17/25 15:33*	*1*
2-Fluorobiphenyl (Surr)	*83*		*33 - 126*	*07/07/25 05:12*	*07/17/25 15:33*	*1*
2-Fluorophenol (Surr)	*49*		*12 - 120*	*07/07/25 05:12*	*07/17/25 15:33*	*1*
Nitrobenzene-d5 (Surr)	*82*		*36 - 120*	*07/07/25 05:12*	*07/17/25 15:33*	*1*
Phenol-d6 (Surr)	*30*		*10 - 120*	*07/07/25 05:12*	*07/17/25 15:33*	*1*

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Date Collected: 07/02/25 10:25
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158448-2

Matrix: Drinking Water
PWSID Number: HI0000331

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl-d14 (Surr)	*86*		*47 - 131*	*07/07/25 05:12*	*07/17/25 15:33*	*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 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*		*38 - 134*		*07/13/25 17:55*	*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	07/08/25 00:02	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		07/07/25 14:37	07/08/25 00:02	1
1,2-Dibromoethane	<0.010		0.010	ug/L		07/07/25 14:37	07/08/25 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane (Surr)	*94*		*60 - 140*	*07/07/25 14:37*	*07/08/25 00:02*	*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		07/09/25 12:46	07/09/25 22:58	1
Chlordane (n.o.s.)	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:58	1
PCB-1016	<0.071		0.071	ug/L		07/09/25 12:46	07/09/25 22:58	1
PCB-1221	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:58	1
PCB-1232	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:58	1
PCB-1242	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:58	1
PCB-1248	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:58	1
PCB-1254	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:58	1
PCB-1260	<0.071		0.071	ug/L		07/09/25 12:46	07/09/25 22:58	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		07/09/25 12:46	07/09/25 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*70 - 130*	*07/09/25 12:46*	*07/09/25 22:58*	*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 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Hexafluoro-2-propanol (Surr)	*96*		*54 - 120*		*07/15/25 13:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**150**		5.0	ug/L			07/04/25 02:56	1
Chloride	**81**	**^2**	1.0	mg/L			07/03/25 18:14	2
Nitrate as N	**0.55**		0.10	mg/L			07/03/25 18:14	2
Nitrite as N	<0.10		0.10	mg/L			07/03/25 18:14	2
Sulfate	**12**		0.50	mg/L			07/03/25 18:14	2

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-2

Date Collected: 07/02/25 10:25
Date Received: 07/03/25 09:42

Matrix: Drinking Water
PWSID Number: HI0000331

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**18**		0.10		mg/L			07/07/25 12:37	1
Magnesium	**15**		0.10		mg/L			07/07/25 12:37	1
Potassium	**2.1**		0.10		mg/L			07/07/25 12:37	1
Sodium	**30**		0.10		mg/L			07/07/25 12:37	1

Method: EPA 200.8 - Mercury (ICP/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L			07/07/25 18:38	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 18:38	1
Arsenic	<1.0		1.0		ug/L			07/07/25 18:38	1
Beryllium	<0.30		0.30		ug/L			07/07/25 18:38	1
Cadmium	<0.50		0.50		ug/L			07/07/25 18:38	1
Chromium	**1.7**		0.90		ug/L			07/07/25 18:38	1
Copper	**2.3**		1.0		ug/L			07/07/25 18:38	1
Lead	<0.50		0.50		ug/L			07/07/25 18:38	1
Nickel	<1.0		1.0		ug/L			07/07/25 18:38	1
Selenium	<2.0		2.0		ug/L			07/07/25 18:38	1
Silver	<0.50		0.50		ug/L			07/07/25 18:38	1
Thallium	<0.30		0.30		ug/L			07/07/25 18:38	1
Zinc	<5.0		5.0		ug/L			07/07/25 18:38	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**55**		4.0		mg/L			07/07/25 17:39	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**55**		4.0		mg/L			07/07/25 17:39	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0		mg/L			07/07/25 17:39	1
Specific Conductance (SM 2510B)	**400**		2.0		umhos/cm			07/07/25 17:39	1
Total Dissolved Solids (SM 2540C)	**270**		20		mg/L			07/07/25 16:08	1
Fluoride (SM 4500 F C)	<0.050		0.050		mg/L			07/07/25 21:30	1
pH (SM 4500 H+ B)	**8.0**	**HF**			SU			07/07/25 17:39	1
Sulfide (SM 4500 S2 D)	<0.050		0.050		mg/L			07/07/25 16:45	1

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-3

Date Collected: 07/02/25 09:56
Date Received: 07/03/25 09:42

Matrix: Water

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 17:52	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			07/06/25 17:52	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/25 17:52	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/25 17:52	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/25 17:52	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/25 17:52	1

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-3

Date Collected: 07/02/25 09:56
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
1,1-Dichlorethylene	<0.50		0.50		ug/L			07/06/25 17:52	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/25 17:52	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/06/25 17:52	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/25 17:52	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 17:52	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/25 17:52	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 17:52	1
2-Butanone (MEK)	<5.0		5.0		ug/L			07/06/25 17:52	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			07/06/25 17:52	1
Acetone	<500		500		ug/L			07/06/25 17:52	1
Benzene	<0.50		0.50		ug/L			07/06/25 17:52	1
Bromobenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/25 17:52	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/25 17:52	1
Bromoform	<0.50		0.50		ug/L			07/06/25 17:52	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			07/06/25 17:52	1
Carbon disulfide	<0.50		0.50		ug/L			07/06/25 17:52	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/25 17:52	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
Chlorodibromomethane	<0.50		0.50		ug/L			07/06/25 17:52	1
Chloroethane	<0.50		0.50		ug/L			07/06/25 17:52	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			07/06/25 17:52	1
Dichloromethane	<0.50		0.50		ug/L			07/06/25 17:52	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 17:52	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 17:52	1
Dibromomethane	<0.50		0.50		ug/L			07/06/25 17:52	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/25 17:52	1
Ethylbenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/25 17:52	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
m,p-Xylenes	<0.50		0.50		ug/L			07/06/25 17:52	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			07/06/25 17:52	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			07/06/25 17:52	1
Naphthalene	<0.50		0.50		ug/L			07/06/25 17:52	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
N-Propylbenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			07/06/25 17:52	1
o-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 17:52	1
o-Xylene	<0.50		0.50		ug/L			07/06/25 17:52	1
p-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 17:52	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			07/06/25 17:52	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/25 17:52	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
Styrene	<0.50		0.50		ug/L			07/06/25 17:52	1

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-3

Date Collected: 07/02/25 09:56
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
Tert-amyl methyl ether	<3.0		3.0		ug/L			07/06/25 17:52	1
Tert-butyl ethyl ether	<3.0		3.0		ug/L			07/06/25 17:52	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/25 17:52	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			07/06/25 17:52	1
Toluene	<0.50		0.50		ug/L			07/06/25 17:52	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			07/06/25 17:52	1
Xylenes, Total	<0.50		0.50		ug/L			07/06/25 17:52	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 17:52	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 17:52	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			07/06/25 17:52	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			07/06/25 17:52	1
Vinyl Chloride (VC)	<0.30		0.30		ug/L			07/06/25 17:52	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			07/06/25 17:52	1
Bromoethane	<0.50		0.50		ug/L			07/06/25 17:52	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			07/06/25 17:52	1
Diisopropyl ether	<3.0		3.0		ug/L			07/06/25 17:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetaldehyde	*10*	*T J N*	*ug/L*		*1.64*	*75-07-0*		*07/06/25 17:52*	*1*
Furfural	*30*	*T J N*	*ug/L*		*10.10*	*98-01-1*		*07/06/25 17:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/06/25 17:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*07/06/25 17:52*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*07/06/25 17:52*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*07/06/25 17:52*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*07/06/25 17:52*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*07/06/25 17:52*	*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 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*		*38 - 134*		*07/13/25 21:04*	*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	07/08/25 00:23	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010		ug/L		07/07/25 14:37	07/08/25 00:23	1
1,2-Dibromoethane	<0.010		0.010		ug/L		07/07/25 14:37	07/08/25 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane (Surr)	*92*		*60 - 140*	*07/07/25 14:37*	*07/08/25 00:23*	*1*

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 07/02/25 10:25
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158448-4
Matrix: Water

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 18:15	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0		ug/L			07/06/25 18:15	1
1,1,1-Trichloroethane	<0.50		0.50		ug/L			07/06/25 18:15	1
1,1,2,2-Tetrachloroethane	<0.50		0.50		ug/L			07/06/25 18:15	1
1,1,2-Trichloroethane	<0.50		0.50		ug/L			07/06/25 18:15	1
1,1-Dichloroethane	<0.50		0.50		ug/L			07/06/25 18:15	1
1,1-Dichlorethylene	<0.50		0.50		ug/L			07/06/25 18:15	1
1,1-Dichloropropene	<0.50		0.50		ug/L			07/06/25 18:15	1
1,2,3-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
1,2,3-Trichloropropane	<0.50		0.50		ug/L			07/06/25 18:15	1
1,2,4-Trichlorobenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
1,2,4-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
1,2-Dichloroethane	<0.50		0.50		ug/L			07/06/25 18:15	1
1,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 18:15	1
1,3,5-Trimethylbenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
1,3-Dichloropropane	<0.50		0.50		ug/L			07/06/25 18:15	1
2,2-Dichloropropane	<0.50		0.50		ug/L			07/06/25 18:15	1
2-Butanone (MEK)	<5.0		5.0		ug/L			07/06/25 18:15	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			07/06/25 18:15	1
Acetone	<500		500		ug/L			07/06/25 18:15	1
Benzene	<0.50		0.50		ug/L			07/06/25 18:15	1
Bromobenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
Bromochloromethane	<0.50		0.50		ug/L			07/06/25 18:15	1
Bromodichloromethane	<0.50		0.50		ug/L			07/06/25 18:15	1
Bromoform	<0.50		0.50		ug/L			07/06/25 18:15	1
Bromomethane (Methyl Bromide)	<0.50		0.50		ug/L			07/06/25 18:15	1
Carbon disulfide	<0.50		0.50		ug/L			07/06/25 18:15	1
Carbon tetrachloride	<0.50		0.50		ug/L			07/06/25 18:15	1
Chlorobenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
Chlorodibromomethane	<0.50		0.50		ug/L			07/06/25 18:15	1
Chloroethane	<0.50		0.50		ug/L			07/06/25 18:15	1
Chloroform (Trichloromethane)	<0.50		0.50		ug/L			07/06/25 18:15	1
Dichloromethane	<0.50		0.50		ug/L			07/06/25 18:15	1
cis-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 18:15	1
cis-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 18:15	1
Dibromomethane	<0.50		0.50		ug/L			07/06/25 18:15	1
Dichlorodifluoromethane	<0.50		0.50		ug/L			07/06/25 18:15	1
Ethylbenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
Hexachlorobutadiene	<0.50		0.50		ug/L			07/06/25 18:15	1
Isopropylbenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
m,p-Xylenes	<0.50		0.50		ug/L			07/06/25 18:15	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50		ug/L			07/06/25 18:15	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50		ug/L			07/06/25 18:15	1
Naphthalene	<0.50		0.50		ug/L			07/06/25 18:15	1
n-Butylbenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
N-Propylbenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50		ug/L			07/06/25 18:15	1
o-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 18:15	1

Client Sample ID: TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-4

Date Collected: 07/02/25 10:25
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 18:15	1
p-Chlorotoluene	<0.50		0.50		ug/L			07/06/25 18:15	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50		ug/L			07/06/25 18:15	1
p-Isopropyltoluene	<0.50		0.50		ug/L			07/06/25 18:15	1
sec-Butylbenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
Styrene	<0.50		0.50		ug/L			07/06/25 18:15	1
Tert-amyl methyl ether	<3.0		3.0		ug/L			07/06/25 18:15	1
Tert-butyl ethyl ether	<3.0		3.0		ug/L			07/06/25 18:15	1
tert-Butylbenzene	<0.50		0.50		ug/L			07/06/25 18:15	1
Tetrachloroethene (PCE)	<0.50		0.50		ug/L			07/06/25 18:15	1
Toluene	<0.50		0.50		ug/L			07/06/25 18:15	1
1,3-Dichloropropene, Total	<0.50		0.50		ug/L			07/06/25 18:15	1
Xylenes, Total	<0.50		0.50		ug/L			07/06/25 18:15	1
trans-1,2-Dichloroethylene	<0.50		0.50		ug/L			07/06/25 18:15	1
trans-1,3-Dichloropropene	<0.50		0.50		ug/L			07/06/25 18:15	1
Trichloroethylene (TCE)	<0.50		0.50		ug/L			07/06/25 18:15	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50		ug/L			07/06/25 18:15	1
Vinyl Chloride (VC)	<0.30		0.30		ug/L			07/06/25 18:15	1
Trichlorotrifluoroethane	<0.50		0.50		ug/L			07/06/25 18:15	1
Bromoethane	<0.50		0.50		ug/L			07/06/25 18:15	1
Chloromethane (methyl chloride)	<0.50		0.50		ug/L			07/06/25 18:15	1
Diisopropyl ether	<3.0		3.0		ug/L			07/06/25 18:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Acetaldehyde	*7.0*	*T J N*	*ug/L*		*1.64*	*75-07-0*		*07/06/25 18:15*	*1*
Cyclobutane, methyl-	*1.0*	*T J N*	*ug/L*		*3.50*	*598-61-8*		*07/06/25 18:15*	*1*
1,3-Hexadien-5-yne	*0.75*	*T J N*	*ug/L*		*6.51*	*10420-90-3*		*07/06/25 18:15*	*1*
Furfural	*11*	*T J N*	*ug/L*		*10.11*	*98-01-1*		*07/06/25 18:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*07/06/25 18:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*07/06/25 18:15*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*07/06/25 18:15*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*07/06/25 18:15*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*07/06/25 18:15*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*07/06/25 18:15*	*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 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*		*38 - 134*		*07/13/25 21:27*	*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	07/08/25 00:45	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010		ug/L		07/07/25 14:37	07/08/25 00:45	1
1,2-Dibromoethane	<0.010		0.010		ug/L		07/07/25 14:37	07/08/25 00:45	1

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 07/02/25 10:25
Date Received: 07/03/25 09:42

Lab Sample ID: 380-158448-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	96		60 - 140	07/07/25 14:37	07/08/25 00:45	1

Action Limit Summary

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-1

PWSID Number: HI0000331

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	<0.020		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	<0.0099		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0099		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0099		ug/L		0.4		525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0099		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	^3+	ug/L		40		525.2	Total/NA
Simazine	<0.049		ug/L		4		525.2	Total/NA
Benzo[a]pyrene	<0.20		ug/L		0.2		625.1 SIM	Total/NA
Pentachlorophenol	<0.98		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

Action Limit Summary

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (Continued)

Lab Sample ID: 380-158448-1

PWSID Number: HI0000331

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
Toxaphene	<0.50		ug/L		3		505	Total/NA
Chlordane (n.o.s.)	<0.10		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.10		ug/L		0.5		505	Total/NA
Chloride	88	^2	mg/L			250	300.0	Total/NA
Nitrate as N	0.56		mg/L		10		300.0	Total/NA
Nitrite as N	<0.10		mg/L		1		300.0	Total/NA
Sulfate	13		mg/L			250	300.0	Total/NA
Mercury	<0.20		ug/L		2		200.8	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	1.7		ug/L		100		200.8	Total/NA
Copper	2.9		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	9.7		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	300		mg/L			500	SM 2540C	Total/NA
Fluoride	<0.050		mg/L		4	2	SM 4500 F C	Total/NA
pH	7.9	HF	SU			6.5	SM 4500 H+ B	Total/NA

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-2

PWSID Number: HI0000331

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

Action Limit Summary

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (Continued)

Lab Sample ID: 380-158448-2

PWSID Number: HI0000331

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
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	<0.020		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)	<0.0098		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	^3+	ug/L		40		525.2	Total/NA
Simazine	<0.049		ug/L		4		525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L		0.2		625.1 SIM	Total/NA
Pentachlorophenol	<0.96		ug/L		1		625.1 SIM	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000			504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.010		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.)	<0.10		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.10		ug/L		0.5		505	Total/NA
Chloride	81	^2	mg/L			250	300.0	Total/NA
Nitrate as N	0.55		mg/L		10		300.0	Total/NA
Nitrite as N	<0.10		mg/L		1		300.0	Total/NA
Sulfate	12		mg/L			250	300.0	Total/NA
Mercury	<0.20		ug/L		2		200.8	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	1.7		ug/L		100		200.8	Total/NA

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (Continued)

Lab Sample ID: 380-158448-2

PWSID Number: HI0000331

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
Copper	2.3		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	270		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: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-3

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
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

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (Continued)

Lab Sample ID: 380-158448-3

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
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: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-4

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
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

Surrogate Summary

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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)
380-158448-2	AIEA GULCH WELLS PUMP 2 (	103	103	105	105	97	97

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)
380-158448-1	AIEA GULCH WELLS PUMP 1 (	103	103	101	101	95	95
380-158448-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	103	103	105	105	96	96
380-158448-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	104	104	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)
380-158448-2	AIEA GULCH WELLS PUMP 2 (	110	88	89

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-158443-D-1-A DU	Duplicate	111	83	94
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	111	88	92
380-158448-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	114	95	95

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-158448-1
Project/Site: RED-HILL
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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 380-161679/23-A	Lab Control Sample	108	97	94
MB 380-161679/21-A	Method Blank	109	84	90
MRL 380-161679/22-A	Lab Control Sample	110	87	93

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)
380-158448-2	AIEA GULCH WELLS PUMP 2 (	75	83	49	82	30	86

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
380-158448-1	AIEA GULCH WELLS PUMP 1 (	83	83	50	87	29	97
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)
380-158448-2	AIEA GULCH WELLS PUMP 2 (	79	80	42	86	26	79

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(28-127)	(31-120)	(17-120)	(27-120)	(10-120)	(45-120)
380-158448-1	AIEA GULCH WELLS PUMP 1 (	87	85	43	85	26	91
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)
380-158448-2	AIEA GULCH WELLS PUMP 2 (	68

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)
380-158440-C-1 MS	Matrix Spike	86
380-158440-C-1 MSD	Matrix Spike Duplicate	85
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	61
380-158448-3	TB: AIEA GULCH WELLS PUMF 1 (331-201-TP071)	68
380-158448-4	TB: AIEA GULCH WELLS PUMF 2 (331-202-TP072)	67
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)

Surrogate Summary

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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)
380-158448-2	AIEA GULCH WELLS PUMP 2 (	94

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)
380-158448-1	AIEA GULCH WELLS PUMP 1 (	91
380-158448-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	92
380-158448-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	96
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)
380-158448-2	AIEA GULCH WELLS PUMP 2 (	94

Surrogate Legend

TCX = Tetrachloro-m-xylene

Method: 505 - Organochlorine Pesticides/PCBs (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TCX1 (70-130)
380-158448-1	AIEA GULCH WELLS PUMP 1 (	94
380-158943-C-2-A MS	Matrix Spike	103
380-158943-C-3-A MS	Matrix Spike	101
380-158943-D-2-A MS	Matrix Spike	112
380-158943-D-3-A MS	Matrix Spike	108
LCS 380-161681/28-A	Lab Control Sample	111
LCS 380-161681/30-A	Lab Control Sample	98
LCS 380-161681/31-A	Lab Control Sample	103
LCSD 380-161681/29-A	Lab Control Sample Dup	107
MB 380-161681/3-A	Method Blank	98

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-158448-1
Project/Site: RED-HILL
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	TCX1 (70-130)								
MRL 380-161681/1-A	Lab Control Sample	103								
MRL 380-161681/2-A	Lab Control Sample	98								

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)								
380-158448-2	AIEA GULCH WELLS PUMP 2 (	96								

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	HF2PP1 (54-120)								
380-158427-AB-1 MS	Matrix Spike	87								
380-158427-AB-1 MSD	Matrix Spike Duplicate	80								
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	96								
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 380-161679/21-A
Matrix: Water
Analysis Batch: 161759

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161679

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
2,4'-DDE	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
2,4'-DDT	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
4,4'-DDD	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
4,4'-DDE	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
4,4'-DDT	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
Acenaphthene	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
Acenaphthylene	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
Acetochlor	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
Alachlor	<0.049		0.049	ug/L		07/09/25 08:02	07/09/25 15:24	1
alpha-BHC	<0.097		0.097	ug/L		07/09/25 08:02	07/09/25 15:24	1
alpha-Chlordane	<0.049		0.049	ug/L		07/09/25 08:02	07/09/25 15:24	1
Anthracene	<0.019		0.019	ug/L		07/09/25 08:02	07/09/25 15:24	1
Atrazine	<0.049		0.049	ug/L		07/09/25 08:02	07/09/25 15:24	1

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

Lab Sample ID: MB 380-161679/21-A
Matrix: Water
Analysis Batch: 161759

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161679

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benz(a)anthracene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Benzo[a]pyrene	<0.019		0.019		ug/L		07/09/25 08:02	07/09/25 15:24	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		07/09/25 08:02	07/09/25 15:24	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		07/09/25 08:02	07/09/25 15:24	1
beta-BHC	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		07/09/25 08:02	07/09/25 15:24	1
Aldrin	<0.0097		0.0097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Bromacil	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Butachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Butylbenzylphthalate	<0.49		0.49		ug/L		07/09/25 08:02	07/09/25 15:24	1
Chlorobenzilate	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Chloroneb	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Chlorpyrifos	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Chrysene	<0.019		0.019		ug/L		07/09/25 08:02	07/09/25 15:24	1
delta-BHC	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		07/09/25 08:02	07/09/25 15:24	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Diclorvos (DDVP)	<0.049	^3+	0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Dieldrin	<0.0097		0.0097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Diethylphthalate	<0.49		0.49		ug/L		07/09/25 08:02	07/09/25 15:24	1
Dimethylphthalate	<0.49		0.49		ug/L		07/09/25 08:02	07/09/25 15:24	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		07/09/25 08:02	07/09/25 15:24	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Endosulfan sulfate	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Endrin	<0.0097		0.0097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Endrin aldehyde	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
EPTC	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Fluoranthene	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Fluorene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
gamma-BHC (Lindane)	<0.0097		0.0097		ug/L		07/09/25 08:02	07/09/25 15:24	1
gamma-Chlordane	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Heptachlor	<0.0097		0.0097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Hexachlorobenzene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Isophorone	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Malathion	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Methoxychlor	<0.049	^3+	0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Metolachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Molinate	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Naphthalene	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Parathion	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Pendimethalin (Penoxaline)	<0.097	^3+	0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Phenanthrene	<0.039		0.039		ug/L		07/09/25 08:02	07/09/25 15:24	1

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

Lab Sample ID: MB 380-161679/21-A
Matrix: Water
Analysis Batch: 161759

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161679

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Propachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Pyrene	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Simazine	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Terbacil	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Terbuthylazine	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Thiobencarb	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		07/09/25 08:02	07/09/25 15:24	1
trans-Nonachlor	<0.049		0.049		ug/L		07/09/25 08:02	07/09/25 15:24	1
Trifluralin	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
1-Methylnaphthalene	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1
2-Methylnaphthalene	<0.097		0.097		ug/L		07/09/25 08:02	07/09/25 15:24	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Decane	*2.26*	*T J N*	*ug/L*		*2.74*	*124-18-5*	*07/09/25 08:02*	*07/09/25 15:24*	*1*
9-Octadecenamide, (Z)-	*1.45*	*T J N*	*ug/L*		*7.87*	*301-02-0*	*07/09/25 08:02*	*07/09/25 15:24*	*1*
13-Docosenamide, (Z)-	*0.542*	*T J N*	*ug/L*		*10.43*	*112-84-5*	*07/09/25 08:02*	*07/09/25 15:24*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*109*		*70 - 130*	*07/09/25 08:02*	*07/09/25 15:24*	*1*
Perylene-d12	*84*		*70 - 130*	*07/09/25 08:02*	*07/09/25 15:24*	*1*
Triphenylphosphate	*90*		*70 - 130*	*07/09/25 08:02*	*07/09/25 15:24*	*1*

Lab Sample ID: LCS 380-161679/23-A
Matrix: Water
Analysis Batch: 161759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161679

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4'-DDD			1.95	2.24		ug/L		115	70 - 130		
2,4'-DDE			1.95	2.26		ug/L		115	70 - 130		
2,4'-DDT			1.95	2.10		ug/L		108	70 - 130		
2,4-Dinitrotoluene			1.95	1.99		ug/L		102	70 - 130		
2,6-Dinitrotoluene			1.95	2.06		ug/L		106	70 - 130		
4,4'-DDD			1.95	2.16		ug/L		110	70 - 130		
4,4'-DDE			1.95	1.97		ug/L		101	70 - 130		
4,4'-DDT			1.95	2.08		ug/L		106	70 - 130		
Acenaphthene			1.95	2.05		ug/L		105	70 - 130		
Acenaphthylene			1.95	2.21		ug/L		113	70 - 130		
Acetochlor			1.95	2.35		ug/L		120	70 - 130		
Alachlor			1.95	2.45		ug/L		125	70 - 130		
alpha-BHC			1.95	2.46		ug/L		126	70 - 130		
alpha-Chlordane			1.95	1.64		ug/L		84	70 - 130		
Anthracene			1.95	2.11		ug/L		108	70 - 130		
Atrazine			1.95	2.12		ug/L		108	70 - 130		
Benz(a)anthracene			1.95	2.12		ug/L		108	70 - 130		
Benzo[a]pyrene			1.95	2.23		ug/L		114	70 - 130		
Benzo[b]fluoranthene			1.95	2.19		ug/L		112	70 - 130		
Benzo[g,h,i]perylene			1.95	1.99		ug/L		102	70 - 130		
Benzo[k]fluoranthene			1.95	2.11		ug/L		108	70 - 130		

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

Lab Sample ID: LCS 380-161679/23-A
Matrix: Water
Analysis Batch: 161759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
beta-BHC	1.95	2.50		ug/L		128	70 - 130
Bis(2-ethylhexyl) phthalate	1.95	2.43		ug/L		125	70 - 130
Aldrin	1.95	2.20		ug/L		113	70 - 130
Bromacil	1.95	2.16		ug/L		110	70 - 130
Butachlor	1.95	2.44		ug/L		125	70 - 130
Butylbenzylphthalate	1.95	2.46		ug/L		126	70 - 130
Chlorobenzilate	1.95	2.56	*+	ug/L		131	70 - 130
Chloroneb	1.95	2.07		ug/L		106	70 - 130
Chlorothalonil (Draconil, Bravo)	1.95	1.96		ug/L		100	70 - 130
Chlorpyrifos	1.95	2.37		ug/L		121	70 - 130
Chrysene	1.95	2.22		ug/L		114	70 - 130
delta-BHC	1.95	2.60	*+	ug/L		133	70 - 130
Di(2-ethylhexyl)adipate	1.95	2.40		ug/L		123	70 - 130
Dibenz(a,h)anthracene	1.95	2.02		ug/L		103	70 - 130
Diclorvos (DDVP)	1.95	2.46		ug/L		126	70 - 130
Dieldrin	1.95	2.30		ug/L		117	70 - 130
Diethylphthalate	1.95	2.40		ug/L		123	70 - 130
Dimethylphthalate	1.95	2.33		ug/L		119	70 - 130
Di-n-butyl phthalate	3.91	4.23		ug/L		108	70 - 130
Di-n-octyl phthalate	1.95	2.28		ug/L		117	70 - 130
Endosulfan I (Alpha)	1.95	2.41		ug/L		123	70 - 130
Endosulfan II (Beta)	1.95	2.48		ug/L		127	70 - 130
Endosulfan sulfate	1.95	2.04		ug/L		105	70 - 130
Endrin	1.95	2.32		ug/L		119	70 - 130
Endrin aldehyde	1.95	1.81		ug/L		93	60 - 130
EPTC	1.95	2.30		ug/L		117	70 - 130
Fluoranthene	1.95	2.14		ug/L		109	70 - 130
Fluorene	1.95	2.12		ug/L		109	70 - 130
gamma-BHC (Lindane)	1.95	2.28		ug/L		117	70 - 130
gamma-Chlordane	1.95	1.67		ug/L		86	70 - 130
Heptachlor	1.95	1.98		ug/L		101	70 - 130
Heptachlor epoxide (isomer B)	1.95	1.87		ug/L		96	70 - 130
Hexachlorobenzene	1.95	1.89		ug/L		97	70 - 130
Hexachlorocyclopentadiene	1.95	2.11		ug/L		108	70 - 130
Indeno[1,2,3-cd]pyrene	1.95	1.92		ug/L		98	70 - 130
Isophorone	1.95	2.37		ug/L		121	70 - 130
Malathion	1.95	2.07		ug/L		106	70 - 130
Methoxychlor	1.95	2.39		ug/L		123	70 - 130
Metolachlor	1.95	2.28		ug/L		117	70 - 130
Molinate	1.95	2.42		ug/L		124	70 - 130
Naphthalene	1.95	2.08		ug/L		107	70 - 130
Parathion	1.95	2.39		ug/L		122	70 - 130
Pendimethalin (Penoxaline)	1.95	1.88		ug/L		96	70 - 130
Phenanthrene	1.95	2.02		ug/L		103	70 - 130
Propachlor	1.95	2.57	*+	ug/L		131	70 - 130
Pyrene	1.95	2.25		ug/L		115	70 - 130
Simazine	1.95	2.17		ug/L		111	70 - 130
Terbacil	1.95	2.30		ug/L		118	70 - 130
Terbuthylazine	1.95	2.19		ug/L		112	70 - 130

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

Lab Sample ID: LCS 380-161679/23-A
Matrix: Water
Analysis Batch: 161759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thiobencarb	1.95	2.26		ug/L		116	70 - 130
trans-Nonachlor	1.95	1.61		ug/L		83	70 - 130
Trifluralin	1.95	1.86		ug/L		95	70 - 130
1-Methylnaphthalene	1.95	1.98		ug/L		101	70 - 130
2-Methylnaphthalene	1.95	2.09		ug/L		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*108*		*70 - 130*
Perylene-d12	*97*		*70 - 130*
Triphenylphosphate	*94*		*70 - 130*

Lab Sample ID: MRL 380-161679/22-A
Matrix: Water
Analysis Batch: 161759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161679

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	0.0975	0.0978	J	ug/L		100	50 - 150
2,4'-DDE	0.0975	0.117		ug/L		120	50 - 150
2,4'-DDT	0.0975	0.120		ug/L		123	50 - 150
2,4-Dinitrotoluene	0.0975	0.111		ug/L		113	50 - 150
2,6-Dinitrotoluene	0.0975	0.130		ug/L		133	50 - 150
4,4'-DDD	0.0975	0.127		ug/L		130	50 - 150
4,4'-DDE	0.0975	0.0871	J	ug/L		89	50 - 150
4,4'-DDT	0.0975	0.123		ug/L		126	50 - 150
Acenaphthene	0.0975	0.107		ug/L		109	50 - 150
Acenaphthylene	0.0975	0.108		ug/L		110	50 - 150
Acetochlor	0.0975	0.141		ug/L		144	50 - 150
Alachlor	0.0488	0.0636		ug/L		130	50 - 150
alpha-BHC	0.0975	0.126		ug/L		129	50 - 150
alpha-Chlordane	0.0244	<0.028		ug/L		112	50 - 150
Anthracene	0.0195	0.0242		ug/L		124	50 - 150
Atrazine	0.0488	0.0611		ug/L		125	50 - 150
Benz(a)anthracene	0.0488	0.0504		ug/L		103	50 - 150
Benzo[a]pyrene	0.0195	0.0247		ug/L		127	50 - 150
Benzo[b]fluoranthene	0.0195	0.0260		ug/L		133	50 - 150
Benzo[g,h,i]perylene	0.0488	0.0564		ug/L		116	50 - 150
Benzo[k]fluoranthene	0.0195	0.0235		ug/L		121	50 - 150
beta-BHC	0.0975	0.143		ug/L		147	50 - 150
Bis(2-ethylhexyl) phthalate	0.585	0.707		ug/L		121	50 - 150
Aldrin	0.00975	<0.0098		ug/L		94	50 - 150
Bromacil	0.0975	0.139		ug/L		143	50 - 150
Butachlor	0.0488	0.0688		ug/L		141	50 - 150
Butylbenzylphthalate	0.488	0.642		ug/L		132	50 - 150
Chlorobenzilate	0.0975	0.128		ug/L		131	50 - 150
Chloroneb	0.0975	0.122		ug/L		125	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0975	0.107		ug/L		110	50 - 150
Chlorpyrifos	0.0488	0.0611		ug/L		125	50 - 150
Chrysene	0.0195	0.0251		ug/L		129	50 - 150

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

Lab Sample ID: MRL 380-161679/22-A
Matrix: Water
Analysis Batch: 161759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161679

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
delta-BHC	0.0975	0.129		ug/L		132	50 - 150
Di(2-ethylhexyl)adipate	0.585	0.716		ug/L		122	50 - 150
Dibenz(a,h)anthracene	0.0488	0.0603		ug/L		124	50 - 150
Diclorvos (DDVP)	0.0488	0.0751	^3+	ug/L		154	50 - 150
Dieldrin	0.00975	0.0138		ug/L		141	50 - 150
Diethylphthalate	0.488	0.631		ug/L		129	50 - 150
Dimethylphthalate	0.488	0.620		ug/L		127	50 - 150
Di-n-butyl phthalate	0.488	0.712	J	ug/L		146	49 - 243
Di-n-octyl phthalate	0.0975	0.115		ug/L		118	50 - 150
Endosulfan I (Alpha)	0.0975	0.114		ug/L		117	50 - 150
Endosulfan II (Beta)	0.0975	0.146		ug/L		149	50 - 150
Endosulfan sulfate	0.0975	0.122		ug/L		125	50 - 150
Endrin	0.00975	0.00891	J	ug/L		91	50 - 150
Endrin aldehyde	0.0975	0.104		ug/L		107	50 - 150
EPTC	0.0975	0.114		ug/L		117	50 - 150
Fluoranthene	0.0975	0.109		ug/L		112	50 - 150
Fluorene	0.0488	0.0553		ug/L		114	50 - 150
gamma-BHC (Lindane)	0.00975	0.0137		ug/L		140	50 - 150
gamma-Chlordane	0.0244	0.0236	J	ug/L		97	50 - 150
Heptachlor	0.00975	0.0122		ug/L		125	50 - 150
Heptachlor epoxide (isomer B)	0.00975	0.00995		ug/L		102	50 - 150
Hexachlorobenzene	0.0488	0.0474	J	ug/L		97	50 - 150
Hexachlorocyclopentadiene	0.0488	0.0603		ug/L		124	50 - 150
Indeno[1,2,3-cd]pyrene	0.0488	0.0545		ug/L		112	50 - 150
Isophorone	0.0975	0.137		ug/L		140	50 - 150
Malathion	0.0975	0.115		ug/L		118	50 - 150
Methoxychlor	0.0488	0.0736	^3+	ug/L		151	50 - 150
Metolachlor	0.0488	0.0695		ug/L		143	50 - 150
Molinate	0.0975	0.123		ug/L		126	50 - 150
Naphthalene	0.0975	0.128		ug/L		131	50 - 150
Parathion	0.0975	0.117		ug/L		120	50 - 150
Pendimethalin (Penoxaline)	0.0975	0.147	^3+	ug/L		151	50 - 150
Phenanthrene	0.0390	0.0447		ug/L		115	50 - 150
Propachlor	0.0488	0.0656		ug/L		135	50 - 150
Pyrene	0.0488	0.0572		ug/L		117	50 - 150
Simazine	0.0488	0.0661		ug/L		135	50 - 150
Terbacil	0.0975	0.139		ug/L		143	50 - 150
Terbuthylazine	0.0975	0.128		ug/L		131	50 - 150
Thiobencarb	0.0975	0.121		ug/L		125	50 - 150
trans-Nonachlor	0.0244	0.0258	J	ug/L		106	50 - 150
Trifluralin	0.0975	0.107		ug/L		109	50 - 150
1-Methylnaphthalene	0.0975	0.117		ug/L		120	50 - 150
2-Methylnaphthalene	0.0975	0.117		ug/L		120	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*110*		*70 - 130*
Perylene-d12	*87*		*70 - 130*
Triphenylphosphate	*93*		*70 - 130*

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

Lab Sample ID: 380-158448-1 MS
Matrix: Water
Analysis Batch: 161759

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Prep Type: Total/NA
Prep Batch: 161679

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	<0.099		1.98	2.30		ug/L		116	70 - 130
2,4'-DDE	<0.099		1.98	2.31		ug/L		117	70 - 130
2,4'-DDT	<0.099		1.98	2.13		ug/L		108	70 - 130
2,4-Dinitrotoluene	<0.099		1.98	2.09		ug/L		105	70 - 130
2,6-Dinitrotoluene	<0.099		1.98	2.13		ug/L		107	70 - 130
4,4'-DDD	<0.099		1.98	2.21		ug/L		112	70 - 130
4,4'-DDE	<0.099		1.98	1.96		ug/L		99	70 - 130
4,4'-DDT	<0.099		1.98	2.12		ug/L		107	70 - 130
Acenaphthene	<0.099		1.98	2.15		ug/L		109	70 - 130
Acenaphthylene	<0.099		1.98	2.26		ug/L		114	70 - 130
Acetochlor	<0.099		1.98	2.43		ug/L		123	70 - 130
Alachlor	<0.049		1.98	2.55		ug/L		129	70 - 130
alpha-BHC	<0.099		1.98	2.49		ug/L		126	70 - 130
alpha-Chlordane	<0.049		1.98	1.71		ug/L		87	70 - 130
Anthracene	<0.020		1.98	1.77		ug/L		90	70 - 130
Atrazine	<0.049		1.98	2.15		ug/L		109	70 - 130
Benz(a)anthracene	<0.049		1.98	2.06		ug/L		104	70 - 130
Benzo[a]pyrene	<0.020		1.98	2.15		ug/L		109	70 - 130
Benzo[b]fluoranthene	<0.020		1.98	2.14		ug/L		108	70 - 130
Benzo[g,h,i]perylene	<0.049		1.98	2.05		ug/L		103	70 - 130
Benzo[k]fluoranthene	<0.020		1.98	2.17		ug/L		109	70 - 130
beta-BHC	<0.099		1.98	2.55		ug/L		129	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.98	2.39		ug/L		121	70 - 130
Aldrin	<0.0099		1.98	2.27		ug/L		115	70 - 130
Bromacil	<0.099		1.98	2.28		ug/L		115	70 - 130
Butachlor	<0.049		1.98	2.46		ug/L		124	70 - 130
Butylbenzylphthalate	<0.49		1.98	2.51		ug/L		127	70 - 130
Chlorobenzilate	<0.099	F1 *+	1.98	2.60	F1	ug/L		131	70 - 130
Chloroneb	<0.099		1.98	2.11		ug/L		107	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.099		1.98	2.01		ug/L		101	70 - 130
Chlorpyrifos	<0.049		1.98	2.44		ug/L		123	70 - 130
Chrysene	<0.020		1.98	2.18		ug/L		110	70 - 130
delta-BHC	<0.099	F1 ^+ *+	1.98	2.66	F1	ug/L		134	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.98	2.36		ug/L		119	70 - 130
Dibenz(a,h)anthracene	<0.049		1.98	2.04		ug/L		103	70 - 130
Diclorvos (DDVP)	<0.049	^3+	1.98	2.45		ug/L		124	70 - 130
Dieldrin	<0.0099		1.98	2.37		ug/L		120	70 - 130
Diethylphthalate	<0.49		1.98	2.51		ug/L		127	70 - 130
Dimethylphthalate	<0.49		1.98	2.44		ug/L		123	70 - 130
Di-n-butyl phthalate	<0.99		3.96	4.43		ug/L		105	70 - 130
Di-n-octyl phthalate	<0.099		1.98	2.26		ug/L		114	70 - 130
Endosulfan I (Alpha)	<0.099		1.98	2.46		ug/L		124	70 - 130
Endosulfan II (Beta)	<0.099		1.98	2.53		ug/L		128	70 - 130
Endosulfan sulfate	<0.099		1.98	2.06		ug/L		104	70 - 130
Endrin	<0.0099		1.98	2.38		ug/L		120	70 - 130
Endrin aldehyde	<0.099		1.98	1.61		ug/L		81	60 - 130
EPTC	<0.099		1.98	2.40		ug/L		121	70 - 130
Fluoranthene	<0.099		1.98	2.18		ug/L		110	70 - 130

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

Lab Sample ID: 380-158448-1 MS
Matrix: Water
Analysis Batch: 161759

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Prep Type: Total/NA
Prep Batch: 161679

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluorene	<0.049		1.98	2.17		ug/L		110	70 - 130
gamma-BHC (Lindane)	<0.0099		1.98	2.33		ug/L		118	70 - 130
gamma-Chlordane	<0.049		1.98	1.71		ug/L		86	70 - 130
Heptachlor	<0.0099		1.98	2.01		ug/L		101	70 - 130
Heptachlor epoxide (isomer B)	<0.0099		1.98	1.88		ug/L		95	70 - 130
Hexachlorobenzene	<0.049		1.98	1.94		ug/L		98	70 - 130
Hexachlorocyclopentadiene	<0.049		1.98	2.05		ug/L		104	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.98	1.99		ug/L		100	70 - 130
Isophorone	<0.099		1.98	2.43		ug/L		123	70 - 130
Malathion	<0.099		1.98	2.13		ug/L		108	70 - 130
Methoxychlor	<0.049	^3+	1.98	2.42		ug/L		122	70 - 130
Metolachlor	<0.049		1.98	2.31		ug/L		117	70 - 130
Molinate	<0.099		1.98	2.48		ug/L		125	70 - 130
Naphthalene	<0.099		1.98	2.18		ug/L		110	70 - 130
Parathion	<0.099		1.98	2.53		ug/L		128	70 - 130
Pendimethalin (Penoxaline)	<0.099	^3+	1.98	1.98		ug/L		100	70 - 130
Phenanthrene	<0.039		1.98	2.06		ug/L		104	70 - 130
Propachlor	<0.049	F1 *+	1.98	2.61	F1	ug/L		132	70 - 130
Pyrene	<0.049		1.98	2.22		ug/L		112	70 - 130
Simazine	<0.049		1.98	2.20		ug/L		111	70 - 130
Terbacil	<0.099		1.98	2.34		ug/L		118	70 - 130
Terbuthylazine	<0.099		1.98	2.22		ug/L		112	70 - 130
Thiobencarb	<0.099		1.98	2.30		ug/L		116	70 - 130
trans-Nonachlor	<0.049		1.98	1.65		ug/L		83	70 - 130
Trifluralin	<0.099		1.98	1.95		ug/L		98	70 - 130
1-Methylnaphthalene	<0.099		1.98	2.05		ug/L		103	70 - 130
2-Methylnaphthalene	<0.099		1.98	2.18		ug/L		110	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*114*		*70 - 130*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*95*		*70 - 130*

Lab Sample ID: 380-158443-D-1-A DU
Matrix: Water
Analysis Batch: 161759

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 161679

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
2,4'-DDD	<0.10		<0.10		ug/L		NC	20
2,4'-DDE	<0.10		<0.10		ug/L		NC	20
2,4'-DDT	<0.10		<0.10		ug/L		NC	20
2,4-Dinitrotoluene	<0.10		<0.10		ug/L		NC	20
2,6-Dinitrotoluene	<0.10		<0.10		ug/L		NC	20
4,4'-DDD	<0.10		<0.10		ug/L		NC	20
4,4'-DDE	<0.10		<0.10		ug/L		NC	20
4,4'-DDT	<0.10		<0.10		ug/L		NC	20
Acenaphthene	<0.10		<0.10		ug/L		NC	20
Acenaphthylene	<0.10		<0.10		ug/L		NC	20

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

Lab Sample ID: 380-158443-D-1-A DU
Matrix: Water
Analysis Batch: 161759

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 161679

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetochlor	<0.10		<0.10		ug/L		NC	20
Alachlor	<0.050		<0.050		ug/L		NC	20
alpha-BHC	<0.10		<0.10		ug/L		NC	20
alpha-Chlordane	<0.050		<0.050		ug/L		NC	20
Anthracene	<0.020		<0.020		ug/L		NC	20
Atrazine	<0.050		<0.050		ug/L		NC	20
Benz(a)anthracene	<0.050		<0.050		ug/L		NC	20
Benzo[a]pyrene	<0.020		<0.020		ug/L		NC	20
Benzo[b]fluoranthene	<0.020		<0.020		ug/L		NC	20
Benzo[g,h,i]perylene	<0.050		<0.050		ug/L		NC	20
Benzo[k]fluoranthene	<0.020		<0.020		ug/L		NC	20
beta-BHC	<0.10		<0.10		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.60		<0.60		ug/L		NC	20
Aldrin	<0.010		<0.010		ug/L		NC	20
Bromacil	<0.10		<0.10		ug/L		NC	20
Butachlor	<0.050		<0.050		ug/L		NC	20
Butylbenzylphthalate	<0.50		<0.50		ug/L		NC	20
Chlorobenzilate	<0.10	*+	<0.10	*+	ug/L		NC	20
Chloroneb	<0.10		<0.10		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.10		<0.10		ug/L		NC	20
Chlorpyrifos	<0.050		<0.050		ug/L		NC	20
Chrysene	<0.020		<0.020		ug/L		NC	20
delta-BHC	<0.10	^+ *+	<0.10	*+	ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.60		<0.60		ug/L		NC	20
Dibenz(a,h)anthracene	<0.050		<0.050		ug/L		NC	20
Diclorvos (DDVP)	<0.050	^3+	<0.050		ug/L		NC	20
Dieldrin	<0.010		<0.010		ug/L		NC	20
Diethylphthalate	<0.50		<0.50		ug/L		NC	20
Dimethylphthalate	<0.50		<0.50		ug/L		NC	20
Di-n-butyl phthalate	<1.0		<1.0		ug/L		NC	20
Di-n-octyl phthalate	<0.10		<0.10		ug/L		NC	20
Endosulfan I (Alpha)	<0.10		<0.10		ug/L		NC	20
Endosulfan II (Beta)	<0.10		<0.10		ug/L		NC	20
Endosulfan sulfate	<0.10		<0.10		ug/L		NC	20
Endrin	<0.010		<0.010		ug/L		NC	20
Endrin aldehyde	<0.10		<0.10		ug/L		NC	20
EPTC	<0.10		<0.10		ug/L		NC	20
Fluoranthene	<0.10		<0.10		ug/L		NC	20
Fluorene	<0.050		<0.050		ug/L		NC	20
gamma-BHC (Lindane)	<0.010		<0.010		ug/L		NC	20
gamma-Chlordane	<0.050		<0.050		ug/L		NC	20
Heptachlor	<0.010		<0.010		ug/L		NC	20
Heptachlor epoxide (isomer B)	<0.010		<0.010		ug/L		NC	20
Hexachlorobenzene	<0.050		<0.050		ug/L		NC	20
Hexachlorocyclopentadiene	<0.050		<0.050		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.050		<0.050		ug/L		NC	20
Isophorone	<0.10		<0.10		ug/L		NC	20
Malathion	<0.10		<0.10		ug/L		NC	20
Methoxychlor	<0.050	^3+	<0.050		ug/L		NC	20

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

Lab Sample ID: 380-158443-D-1-A DU
Matrix: Water
Analysis Batch: 161759

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 161679

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Metolachlor	<0.050			<0.050		ug/L				NC	20
Molinate	<0.10			<0.10		ug/L				NC	20
Naphthalene	<0.10			<0.10		ug/L				NC	20
Parathion	<0.10			<0.10		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.10	^3+		<0.10		ug/L				NC	20
Phenanthrene	<0.040			<0.040		ug/L				NC	20
Propachlor	<0.050	*+		<0.050	*+	ug/L				NC	20
Pyrene	<0.050			<0.050		ug/L				NC	20
Simazine	<0.050			<0.050		ug/L				NC	20
Terbacil	<0.10			<0.10		ug/L				NC	20
Terbuthylazine	<0.10			<0.10		ug/L				NC	20
Thiobencarb	<0.10			<0.10		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.20			<0.20		ug/L				NC	20
trans-Nonachlor	<0.050			<0.050		ug/L				NC	20
Trifluralin	<0.10			<0.10		ug/L				NC	20
1-Methylnaphthalene	<0.10			<0.10		ug/L				NC	20
2-Methylnaphthalene	<0.10			<0.10		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*111*		*70 - 130*
Perylene-d12	*83*		*70 - 130*
Triphenylphosphate	*94*		*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

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
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
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

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
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
Benzoic acid	20.0	5.56	J	ug/L		28	20 - 120
Benzyl alcohol	20.0	13.7		ug/L		68	44 - 122

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
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
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

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-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 380-161681/3-A
Matrix: Water
Analysis Batch: 161959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161681

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50		ug/L		07/09/25 12:46	07/09/25 15:50	1
Chlordane (n.o.s.)	<0.10		0.10		ug/L		07/09/25 12:46	07/09/25 15:50	1
PCB-1016	<0.070		0.070		ug/L		07/09/25 12:46	07/09/25 15:50	1
PCB-1221	<0.10		0.10		ug/L		07/09/25 12:46	07/09/25 15:50	1
PCB-1232	<0.10		0.10		ug/L		07/09/25 12:46	07/09/25 15:50	1
PCB-1242	<0.10		0.10		ug/L		07/09/25 12:46	07/09/25 15:50	1
PCB-1248	<0.10		0.10		ug/L		07/09/25 12:46	07/09/25 15:50	1
PCB-1254	<0.10		0.10		ug/L		07/09/25 12:46	07/09/25 15:50	1
PCB-1260	<0.070		0.070		ug/L		07/09/25 12:46	07/09/25 15:50	1
Polychlorinated biphenyls, Total	<0.10		0.10		ug/L		07/09/25 12:46	07/09/25 15:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*70 - 130*	*07/09/25 12:46*	*07/09/25 15:50*	*1*

Lab Sample ID: LCS 380-161681/28-A
Matrix: Water
Analysis Batch: 161959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161681

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

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

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Lab Sample ID: LCS 380-161681/30-A
Matrix: Water
Analysis Batch: 161959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161681

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chlordane (n.o.s.)			0.500	0.490		ug/L		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*98*		*70 - 130*

Lab Sample ID: LCS 380-161681/31-A
Matrix: Water
Analysis Batch: 161959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161681

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1221			0.500	0.614		ug/L		123	70 - 130		

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

Lab Sample ID: LCSD 380-161681/29-A
Matrix: Water
Analysis Batch: 161959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 161681

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toxaphene			2.50	2.58		ug/L		103	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*107*		*70 - 130*

Lab Sample ID: MRL 380-161681/1-A
Matrix: Water
Analysis Batch: 161959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161681

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene			0.500	0.482	J	ug/L		96	50 - 150		

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

Lab Sample ID: MRL 380-161681/2-A
Matrix: Water
Analysis Batch: 161959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161681

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chlordane (n.o.s.)			0.100	0.101		ug/L		101	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Tetrachloro-m-xylene	*98*		*70 - 130*

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

Lab Sample ID: 380-158943-C-2-A MS
Matrix: Water
Analysis Batch: 161959

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 161681

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.50		2.48	2.71		ug/L		109	65 - 135

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

Lab Sample ID: 380-158943-C-3-A MS
Matrix: Water
Analysis Batch: 161959

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 161681

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.50		2.48	2.59		ug/L		105	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*101*		*70 - 130*

Lab Sample ID: 380-158943-D-2-A MS
Matrix: Water
Analysis Batch: 161959

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 161681

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.10		0.494	0.519		ug/L		105	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*112*		*70 - 130*

Lab Sample ID: 380-158943-D-3-A MS
Matrix: Water
Analysis Batch: 161959

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 161681

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.10		0.501	0.509		ug/L		102	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*108*		*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*

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

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*

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-AB-1 MS
Matrix: Water
Analysis Batch: 596929

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		
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-AB-1 MSD
Matrix: Water
Analysis Batch: 596929

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
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 380-161074/4
Matrix: Water
Analysis Batch: 161074

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.050		0.050		mg/L			07/03/25 08:29	1
Nitrite as N	<0.050		0.050		mg/L			07/03/25 08:29	1

Lab Sample ID: LCS 380-161074/7
Matrix: Water
Analysis Batch: 161074

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			2.50	2.54		mg/L		102	90 - 110		
Nitrite as N			1.00	1.01		mg/L		101	90 - 110		

Lab Sample ID: LCSD 380-161074/8
Matrix: Water
Analysis Batch: 161074

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N			2.50	2.54		mg/L		102	90 - 110	0	20
Nitrite as N			1.00	1.01		mg/L		101	90 - 110	0	20

Lab Sample ID: MRL 380-161074/6
Matrix: Water
Analysis Batch: 161074

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			0.0500	0.0478	J	mg/L		96	50 - 150		
Nitrite as N			0.0500	0.0400	J	mg/L		80	50 - 150		

Lab Sample ID: 380-158374-H-1 MS
Matrix: Water
Analysis Batch: 161074

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	0.39		1.25	1.68		mg/L		103	80 - 120		
Nitrite as N	<0.050		0.500	0.502		mg/L		100	80 - 120		

Lab Sample ID: 380-158374-H-1 MSD
Matrix: Water
Analysis Batch: 161074

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.39		1.25	1.67		mg/L		102	80 - 120	1	20
Nitrite as N	<0.050		0.500	0.500		mg/L		100	80 - 120	0	20

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

Method: 300.0 - Anions, Ion Chromatography

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		

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: 380-158374-H-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	5.5	^2	12.5	18.9		mg/L		107	80 - 120		
Sulfate	7.5		25.0	33.4		mg/L		104	80 - 120		

Lab Sample ID: 380-158374-H-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	5.5	^2	12.5	18.8		mg/L		106	80 - 120	0	20
Sulfate	7.5		25.0	33.3		mg/L		104	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

Method: 300.0 - Anions, Ion Chromatography (Continued)

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		

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-U-1 MS
Matrix: Water
Analysis Batch: 161108

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	310		50.0	342	4	ug/L		57	80 - 120		

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

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	310		50.0	339	4	ug/L		52	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		

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

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
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

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

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

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

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

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 380-161457/49
Matrix: Water
Analysis Batch: 161457

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

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20		ug/L			07/07/25 18:04	1

Lab Sample ID: LCS 380-161457/51
Matrix: Water
Analysis Batch: 161457

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			1.00	1.00		ug/L		100	85 - 115		

Lab Sample ID: LCSD 380-161457/52
Matrix: Water
Analysis Batch: 161457

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
Mercury			1.00	1.04		ug/L		104	85 - 115	4	20

Lab Sample ID: LLCS 380-161457/50
Matrix: Water
Analysis Batch: 161457

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.200	0.203		ug/L		102	50 - 150		

Lab Sample ID: 380-158419-A-1 MS
Matrix: Water
Analysis Batch: 161457

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		
Mercury	<0.20		1.00	1.05		ug/L		105	70 - 130		

Lab Sample ID: 380-158419-A-1 MSD
Matrix: Water
Analysis Batch: 161457

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
Mercury	<0.20		1.00	1.08		ug/L		108	70 - 130	3	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

Method: SM 2320B - Alkalinity (Continued)

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

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-G-1 MS
Matrix: Water
Analysis Batch: 161429

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

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

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

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

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

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

Client Sample ID: Duplicate
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 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-G-1 DU
Matrix: Water
Analysis Batch: 161432

Client Sample ID: Duplicate
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

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		

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

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: 380-158585-B-1 DU
Matrix: Water
Analysis Batch: 161337

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	610		618		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

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

Method: SM 4500 F C - Fluoride (Continued)

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

Lab Sample ID: 380-158651-A-3 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	0.26		1.00	1.24		mg/L		98	80 - 120		

Lab Sample ID: 380-158651-A-3 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	0.26		1.00	1.27		mg/L		101	80 - 120	2	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-G-1 DU
Matrix: Water
Analysis Batch: 161433

Client Sample ID: Duplicate
Prep Type: Total/NA

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

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		

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

QC Association Summary

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

GC/MS VOA

Analysis Batch: 161184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	524.2	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	524.2	
380-158448-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TPC	Total/NA	Water	524.2	
380-158448-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC	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: 161381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	524.2	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	524.2	

GC/MS Semi VOA

Prep Batch: 161679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	525.2	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
MB 380-161679/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-161679/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-161679/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-158448-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	525.2	
380-158443-D-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 161759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	525.2	161679
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	161679
MB 380-161679/21-A	Method Blank	Total/NA	Water	525.2	161679
LCS 380-161679/23-A	Lab Control Sample	Total/NA	Water	525.2	161679
MRL 380-161679/22-A	Lab Control Sample	Total/NA	Water	525.2	161679
380-158448-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	525.2	161679
380-158443-D-1-A DU	Duplicate	Total/NA	Water	525.2	161679

Prep Batch: 593529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	625.1	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	
MB 570-593529/1-A	Method Blank	Total/NA	Water	625.1	
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
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	625.1 SIM	593529
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1 SIM	593529

GC/MS Semi VOA (Continued)

Analysis Batch: 598195 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	625.1	593529
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	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
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	8015B GRO LL	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B GRO LL	
380-158448-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TPC	Total/NA	Water	8015B GRO LL	
380-158448-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC	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: 161293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	504.1	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	504.1	
380-158448-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TPC	Total/NA	Water	504.1	
380-158448-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC	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
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	504.1	161293
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	504.1	161293
380-158448-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TPC	Total/NA	Water	504.1	161293
380-158448-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC	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

GC Semi VOA (Continued)

Analysis Batch: 161484 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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

Prep Batch: 161681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	505	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	505	
MB 380-161681/3-A	Method Blank	Total/NA	Water	505	
LCS 380-161681/28-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-161681/30-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-161681/31-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-161681/29-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-161681/1-A	Lab Control Sample	Total/NA	Water	505	
MRL 380-161681/2-A	Lab Control Sample	Total/NA	Water	505	
380-158943-C-2-A MS	Matrix Spike	Total/NA	Water	505	
380-158943-C-3-A MS	Matrix Spike	Total/NA	Water	505	
380-158943-D-2-A MS	Matrix Spike	Total/NA	Water	505	
380-158943-D-3-A MS	Matrix Spike	Total/NA	Water	505	

Analysis Batch: 161959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	505	161681
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	505	161681
MB 380-161681/3-A	Method Blank	Total/NA	Water	505	161681
LCS 380-161681/28-A	Lab Control Sample	Total/NA	Water	505	161681
LCS 380-161681/30-A	Lab Control Sample	Total/NA	Water	505	161681
LCS 380-161681/31-A	Lab Control Sample	Total/NA	Water	505	161681
LCSD 380-161681/29-A	Lab Control Sample Dup	Total/NA	Water	505	161681
MRL 380-161681/1-A	Lab Control Sample	Total/NA	Water	505	161681
MRL 380-161681/2-A	Lab Control Sample	Total/NA	Water	505	161681
380-158943-C-2-A MS	Matrix Spike	Total/NA	Water	505	161681
380-158943-C-3-A MS	Matrix Spike	Total/NA	Water	505	161681
380-158943-D-2-A MS	Matrix Spike	Total/NA	Water	505	161681
380-158943-D-3-A MS	Matrix Spike	Total/NA	Water	505	161681

Analysis Batch: 596929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	8015B	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	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-AB-1 MS	Matrix Spike	Total/NA	Water	8015B	
380-158427-AB-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

HPLC/IC

Analysis Batch: 161074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 161074 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	
MB 380-161074/4	Method Blank	Total/NA	Water	300.0	
LCS 380-161074/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-161074/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-161074/6	Lab Control Sample	Total/NA	Water	300.0	
380-158374-H-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-158374-H-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 161075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	300.0	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	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	
380-158374-H-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-158374-H-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
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	300.0	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	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-U-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-158427-U-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Analysis Batch: 161321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	200.7 Rev 4.4	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	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
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	200.8	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	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	

Metals (Continued)

Analysis Batch: 161455 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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: 161457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	200.8	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	200.8	
MBL 380-161457/49	Method Blank	Total/NA	Water	200.8	
LCS 380-161457/51	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-161457/52	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-161457/50	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	

General Chemistry

Analysis Batch: 161337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	SM 2540C	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	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	
380-158585-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 161340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	SM 4500 S2 D	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	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
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	SM 2320B	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	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-G-1 MS	Matrix Spike	Total/NA	Water	SM 2320B	
380-158427-G-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2320B	

General Chemistry (Continued)

Analysis Batch: 161429 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158427-G-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 161432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	SM 2510B	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	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-G-1 DU	Duplicate	Total/NA	Water	SM 2510B	

Analysis Batch: 161433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	SM 4500 H+ B	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	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-G-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 161436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	SM 4500 F C	
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 4500 F C	
MB 380-161436/40	Method Blank	Total/NA	Water	SM 4500 F C	
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	
380-158651-A-3 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-158651-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Lab Chronicle

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-1

Date Collected: 07/02/25 09:56
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 17:08
Total/NA	Analysis	524.2		1	161381	D5TU	EA POM	07/06/25 17:08
Total/NA	Prep	525.2			161679	KRD3	EA POM	07/09/25 08:02
Total/NA	Analysis	525.2		1	161759	UPAC	EA POM	07/09/25 15:44
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 15:10
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 03:52
Total/NA	Analysis	8015B GRO LL		1	596498	W4LC	EET CAL 4	07/13/25 17:33
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 23:40
Total/NA	Prep	505			161681	DR5R	EA POM	07/09/25 12:46 - 07/09/25 13:25 [1]
Total/NA	Analysis	505		1	161959	DR5R	EA POM	07/09/25 22:36
Total/NA	Analysis	8015B		1	596929	ZE2W	EET CAL 4	07/15/25 12:54
Total/NA	Analysis	300.0		2	161074	BG6L	EA POM	07/03/25 18:27
Total/NA	Analysis	300.0		2	161075	BG6L	EA POM	07/03/25 18:27
Total/NA	Analysis	300.0		1	161108	UNJR	EA POM	07/04/25 02:29
Total/NA	Analysis	200.7 Rev 4.4		1	161321	MF7S	EA POM	07/07/25 12:36
Total/NA	Analysis	200.8		1	161455	T8BB	EA POM	07/07/25 18:36
Total/NA	Analysis	200.8		1	161457	T8BB	EA POM	07/07/25 18:36
Total/NA	Analysis	SM 2320B		1	161429	PK4Q	EA POM	07/07/25 18:17
Total/NA	Analysis	SM 2510B		1	161432	PK4Q	EA POM	07/07/25 18:17
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 21:59
Total/NA	Analysis	SM 4500 H+ B		1	161433	PK4Q	EA POM	07/07/25 18:17
Total/NA	Analysis	SM 4500 S2 D		1	161340	ZJ2C	EA POM	07/07/25 16:45

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-2

Date Collected: 07/02/25 10:25
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 17:30
Total/NA	Analysis	524.2		1	161381	D5TU	EA POM	07/06/25 17:30
Total/NA	Prep	525.2			161679	KRD3	EA POM	07/09/25 08:02
Total/NA	Analysis	525.2		1	161759	UPAC	EA POM	07/09/25 16:25
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 15:33
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 04:14

Lab Chronicle

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-2

Date Collected: 07/02/25 10:25
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	8015B GRO LL		1	596498	W4LC	EET CAL 4	07/13/25 17:55
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	07/08/25 00:02
Total/NA	Prep	505			161681	DR5R	EA POM	07/09/25 12:46 - 07/09/25 13:25 [1]
Total/NA	Analysis	505		1	161959	DR5R	EA POM	07/09/25 22:58
Total/NA	Analysis	8015B		1	596929	ZE2W	EET CAL 4	07/15/25 13:16
Total/NA	Analysis	300.0		2	161074	BG6L	EA POM	07/03/25 18:14
Total/NA	Analysis	300.0		2	161075	BG6L	EA POM	07/03/25 18:14
Total/NA	Analysis	300.0		1	161108	UNJR	EA POM	07/04/25 02:56
Total/NA	Analysis	200.7 Rev 4.4		1	161321	MF7S	EA POM	07/07/25 12:37
Total/NA	Analysis	200.8		1	161455	T8BB	EA POM	07/07/25 18:38
Total/NA	Analysis	200.8		1	161457	T8BB	EA POM	07/07/25 18:38
Total/NA	Analysis	SM 2320B		1	161429	PK4Q	EA POM	07/07/25 17:39
Total/NA	Analysis	SM 2510B		1	161432	PK4Q	EA POM	07/07/25 17:39
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 21:30
Total/NA	Analysis	SM 4500 H+ B		1	161433	PK4Q	EA POM	07/07/25 17:39
Total/NA	Analysis	SM 4500 S2 D		1	161340	ZJ2C	EA POM	07/07/25 16:45

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-158448-3

Date Collected: 07/02/25 09:56
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 17:52
Total/NA	Analysis	8015B GRO LL		1	596498	W4LC	EET CAL 4	07/13/25 21:04
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	07/08/25 00:23

Client Sample ID: TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-158448-4

Date Collected: 07/02/25 10:25
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 18:15
Total/NA	Analysis	8015B GRO LL		1	596498	W4LC	EET CAL 4	07/13/25 21:27
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	07/08/25 00:45

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

Lab Chronicle

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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
Project/Site: RED-HILL

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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
505	505	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

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	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbuthylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking Water	trans-Nonachlor
525.2	525.2	Water	1-Methylnaphthalene
525.2	525.2	Water	2,4'-DDD
525.2	525.2	Water	2,4'-DDE
525.2	525.2	Water	2,4'-DDT
525.2	525.2	Water	2,4-Dinitrotoluene
525.2	525.2	Water	2,6-Dinitrotoluene
525.2	525.2	Water	2-Methylnaphthalene
525.2	525.2	Water	4,4'-DDD
525.2	525.2	Water	4,4'-DDE
525.2	525.2	Water	4,4'-DDT
525.2	525.2	Water	Acetochlor
525.2	525.2	Water	alpha-BHC
525.2	525.2	Water	alpha-Chlordane
525.2	525.2	Water	beta-BHC
525.2	525.2	Water	Chlorobenzilate
525.2	525.2	Water	Chloroneb
525.2	525.2	Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Water	Chlorpyrifos
525.2	525.2	Water	delta-BHC
525.2	525.2	Water	Diclorvos (DDVP)
525.2	525.2	Water	Endosulfan I (Alpha)
525.2	525.2	Water	Endosulfan II (Beta)
525.2	525.2	Water	Endosulfan sulfate
525.2	525.2	Water	Endrin aldehyde
525.2	525.2	Water	EPTC
525.2	525.2	Water	gamma-Chlordane
525.2	525.2	Water	Isophorone
525.2	525.2	Water	Malathion
525.2	525.2	Water	Parathion
525.2	525.2	Water	Pendimethalin (Penoxaline)
525.2	525.2	Water	Terbacil
525.2	525.2	Water	Terbuthylazine
525.2	525.2	Water	Total Permethrin (mixed isomers)
525.2	525.2	Water	trans-Nonachlor
SM 2320B		Drinking Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Drinking Water	Carbonate Alkalinity as CaCO3

Accreditation/Certification Summary

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

Job ID: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 4500 S2 D		Drinking Water	Sulfide
SM 4500 S2 D		Water	Sulfide

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	07-21-25
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: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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
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: 380-158448-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-158448-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Water	07/02/25 09:56	07/03/25 09:42	HI0000331
380-158448-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	07/02/25 10:25	07/03/25 09:42	HI0000331
380-158448-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Water	07/02/25 09:56	07/03/25 09:42	
380-158448-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	07/02/25 10:25	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 | Environment Testing America

Client Information	Sampler: Bailey	Lab PM: Arada Rachelle	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 808-748-5840	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street; Chemistry Lab	Due Date Requested			
City: Honolulu	TAT Requested (days):			
State, Zip: HI 96843	Compliance Project: Δ No			
Phone: 808-748-5040 (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		
Aiea Gulch Wells P1	2-Jul-2025	0956	G	Water			6	1	1	1	1	6	3	2	1	3	2	2	2		
Aiea Gulch Wells P2	2-Jul-2025	1025	G	Water			6	1	1	1	1	6	3	2	1	3	2	2	2		
TB Aiea Gulch Wells P1	2-Jul-2025	0956										2				2					
TB Aiea Gulch Wells P2	2-Jul-2025	1025										2				2					

380-158448 COC

Preservation Codes

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

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.

FEDEX 8824 8730 4980
FEDEX 8824 8730 4970

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[redacted]	07/01/2025 1400	HBWS		07/03/25 09:42	EEAP
	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 751X (1) 1.4°-0.0°=1.4° (2) 1.0°-0.0°=1.0° GEL-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 | Environment Testing America

Client Information	Sampler: Bailey	Lab PM: Arada Rachelle	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 8087485840	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: City & County of Honolulu	PWSID:	Analysis Requested		Job #:
Address: 630 South Beretania Street; Chemistry Lab	Due Date Requested:			Preservation Codes. A HCL; B NaOH; C Zn Acetate; D Nitric Acid; E NaHSO4; F MeOH; G Amchlor; H - Ascorbic Acid; I Ice; J DI Water; K EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q Na2SO3; R - Na2S2O3; S - H2SO4; T TSP Dodecahydrate; U Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify); Other:
City: Honolulu	TAT Requested (days)			
State, Zip: HI 96843	Compliance Project: Δ No			
Phone: 808-748-5040 (tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL	Project #: 38001111			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	504.1_PREC - Local Method	Total Number of containers	Special Instructions/Note.
			Preservation Code:		X	X	R	X	
Aiea Gulch Wells P1				Water					
Aiea Gulch Wells P2				Water					
TB Aiea Gulch Wells P1	2-Jul-2025	0956					2		
TB Aiea Gulch Wells P2	2-Jul-2025	1025					2		

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

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

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements.

FED EX (1) 8824 8730 4950
(2) 8824 8730 4970

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Bailey	02JUL4 2025 1400	HBWS		07/03/25 09:42	~~GLAP~~
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.
		FED EX (1) 1.4°-0.0°=1.4° (2) 1.0°-0.0°=1.0° GEL-FROZEN

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Bailey	Lab PM: Arada Rachelle	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 808-748-5840	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street; Chemistry Lab	Due Date Requested			
City: Honolulu	TAT Requested (days):			
State, Zip: HI 96843	Compliance Project: Δ No			
Phone: 808-748-5040 (tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL	Project #: 38001111			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

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

Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	504.1_PREC; 505_LL_PREC	2320B; 2510B; SM4500_H+	200.7; 200.8	2540C_Calcd Total dissolved Solids (TDS)	SM4500_S2_D Sulfide, Total	5.24.2_Pres_PREC; 524.2_SIM_PREC	525.2_PREC 525plus PLUS TICs	300_OF_28D_B; 300_OF_28D_PREC; 300_OF_48H_PREC; 4500_F_C	245.1 Local Method	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C36/C8-C18	8015B_DAI Ethanol	625.1; 625.1_SIM	Total Number of containers	Special Instructions/Note
			Preservation Code:				R	N	D	N	CB	HA	N	N	D	RA	Q	N	R		
Aiea Gulch Wells P1	2-Jul-2025	0956	G	Water			6	1	1	1	1	6	3	2	1	3	2	2	2		
Aiea Gulch Wells P2	2-Jul-2025	1025	G	Water			6	1	1	1	1	6	3	2	1	3	2	2	2		
TB Aiea Gulch Wells P1	2-Jul-2025	0956										2				2					
TB Aiea Gulch Wells P2	2-Jul-2025	1025										2				2					

380-158448 COC

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

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

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements.

FEDEX 028824 8730 4980
028824 8730 4970

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

	Date/Time:	Company	Received by:	Date/Time:	Company
	07/01/2025 1400	HBWS		07/03/25 09:42	EEAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 7571A (1) 1.4°-0.0°=1.4° (2) 1.0°-0.0°=1.0° GEL-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 | Environment Testing America

Client Information	Sampler: Bailey	Lab PM: Arada Rachelle	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 8087485840	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: City & County of Honolulu	PWSID:	Analysis Requested		Job #:
Address: 630 South Beretania Street; Chemistry Lab	Due Date Requested:			Preservation Codes. A HCL; B NaOH; C Zn Acetate; D Nitric Acid; E NaHSO4; F MeOH; G Amchlor; H - Ascorbic Acid; I Ice; J DI Water; K EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q Na2SO3; R - Na2S2O3; S - H2SO4; T TSP Dodecahydrate; U Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify); Other:
City: Honolulu	TAT Requested (days)			
State, Zip: HI 96843	Compliance Project: Δ No			
Phone: 808-748-5040 (tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL	Project #: 38001111			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	504.1_PREC - Local Method	Total Number of containers	Special Instructions/Note.
			Preservation Code:		X	X	R	X	
Aiea Gulch Wells P1				Water					
Aiea Gulch Wells P2				Water					
TB Aiea Gulch Wells P1	2-Jul-2025	0956					2		
TB Aiea Gulch Wells P2	2-Jul-2025	1025					2		

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

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

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements.

FED EX (1) 8824 8730 4950
(2) 8824 8730 4970

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Bailey	02JUL4 2025 1400	HBWS		07/03/25 09:42	~~GLAB~~
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.
		FED EX (1) 1.4°-0.0°=1.4° (2) 1.0°-0.0°=1.0° GEL-FROZEN

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
158448

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 #: 380-158448-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 7/17/2025			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

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DAIEthanol	8015B_DRO_LL_CS/3510C_LLHNL 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:									
AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-158448-1)	7/2/25	09:56 Hawaiian	G	Water			X	X	X	X	6	MRLs are needed., MRLs are needed. Confirm any hits >RL.
AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-158448-2)	7/2/25	10:25 Hawaiian	G	Water			X	X	X	X	6	MRLs are needed., MRLs are needed. Confirm any hits >RL.
TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-15844	7/2/25	09:56 Hawaiian	G	Water					X		2	MRLs are needed.
TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-15844	7/2/25	10:25 Hawaiian	G	Water					X		2	MRLs are needed.

380-158448 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
Mark Uratia	7/3/25 1500	EEAP		7/3/25 1500	WP
Relinquished by: Erni	Date/Time: 7/3/25 1608	Company WP	Received by:	Date/Time: 7-3-25 16:08	Company EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.8/3.8 IR92

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

Chain of Custody Record

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Loc: 380
158448

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 #: 380-158448-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 7/17/2025			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-

Other:
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DAIEthanol	8015B_DRO_LL_C5/3510C_LLHNL 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:									
AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-158448-1)	7/2/25	09:56 Hawaiian	G	Water			X	X	X	X	6	MRLs are needed., MRLs are needed. Confirm any hits >RL.
AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-158448-2)	7/2/25	10:25 Hawaiian	G	Water			X	X	X	X	6	MRLs are needed., MRLs are needed. Confirm any hits >RL.
TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-15844	7/2/25	09:56 Hawaiian	G	Water					X		2	MRLs are needed.
TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-15844	7/2/25	10:25 Hawaiian	G	Water					X		2	MRLs are needed.

380-158448 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
Mark Ugrutia	7/3/25 1500	EEAP		7/3/25 1500	WP
Relinquished by: Erni	Date/Time: 7/3/25 1608	Company WP	Received by:	Date/Time: 7-3-25 16:08	Company 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: 3.8/3.8 IR92

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-158448-1
SDG Number: Quarterly: Aiea Gulch Wells P1/P2

Login Number: 158448
List Number: 1
Creator: Segura, Ryan

List Source: Eurofins Eaton Analytical Pomona

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

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-158448-1
SDG Number: Quarterly: Aiea Gulch Wells P1/P2

Login Number: 158448
List Number: 2
Creator: Mills, Mary

List Source: Eurofins Calscience
List Creation: 07/03/25 08:34 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	3.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	