

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
RUSH Weekly Red Hill

JOB NUMBER

380-63647-1

Eurofins Eaton Analytical Pomona

Job Notes

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

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

Compliance Statement

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

Authorization



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Definitions/Glossary

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

Job ID: 380-63647-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD 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.
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.

Glossary

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

Case Narrative

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

Job ID: 380-63647-1

Job ID: 380-63647-1

Laboratory: Eurofins Eaton Analytical Pomona

Narrative

Job Narrative 380-63647-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 9/20/2023 10:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.5°C, 2.5°C and 2.9°C

Receipt Exceptions

One or more containers for the following sample was received broken or leaking: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) P2 (380-63647-3). One of two 1 Liter amber glass for Method 525.2 was received broken.

Method 533 data unavailable due to lab oversight. MOANALUA WELLS (331-223-TP202) (380-63647-9), AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-63647-10), AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) P2 (380-63647-11), HALAWA WELLS UNITS 1 & 2 (331-206-TP065) P1 (380-63647-12), FB: MOANALUA WELLS (331-223-TP202) (380-63647-13), FB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-63647-14), FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) P2 (380-63647-15) and FB: HALAWA WELLS UNITS 1 & 2 (331-206-TP065) P1 (380-63647-16)

GC/MS Semi VOA

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

PFAS

Method 537.1_DW_PREC: PFOA contamination was detected in MBLK, MRL and FRBs. Samples in this batch have no more backup bottles for re-extraction. Results are not acceptable per method and requires re-sample. Data excluded from this report.

Method 537.1_DW_PREC: Perfluorooctanoic acid (PFOA) concentration found in the MBL exceeded the requirement of 1/3 MRL due to possible lab contamination. This resulted in a biased high MRL check. Results not acceptable per method. MOANALUA WELLS (331-223-TP202) (380-63647-9), AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-63647-10), AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) P2 (380-63647-11) and HALAWA WELLS UNITS 1 & 2 (331-206-TP065) P1 (380-63647-12). Affected samples could not be re-extracted because the 14 day hold time per this method was exceeded. Data excluded from this report.

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: 380-63647-1

Client Sample ID: MOANALUA WELLS (331-223-TP202)
PWSID Number: HI0000331

Lab Sample ID: 380-63647-1

No Detections.

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**
PWSID Number: HI0000331

Lab Sample ID: 380-63647-2

No Detections.

**Client Sample ID: AIEA WELLS PUMPS 1&2 (260)
(331-203-TP400) P2**
PWSID Number: HI0000331

Lab Sample ID: 380-63647-3

No Detections.

**Client Sample ID: HALAWA WELLS UNITS 1 & 2
(331-206-TP065) P1**
PWSID Number: HI0000331

Lab Sample ID: 380-63647-4

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: 380-63647-1

Date Collected: 09/18/23 10:15

Matrix: Drinking Water

Date Received: 09/20/23 10:35

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
2,4'-DDD	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
2,4'-DDE	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
2,4'-DDT	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
2-Methylnaphthalene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
4,4'-DDD	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
4,4'-DDE	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
4,4'-DDT	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Acenaphthene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Acenaphthylene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Acetochlor	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Alachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
alpha-BHC	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
alpha-Chlordane	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Anthracene	<0.019		0.019	ug/L		09/21/23 19:59	09/22/23 18:52	1
Atrazine	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Benzo[a]pyrene	<0.019		0.019	ug/L		09/21/23 19:59	09/22/23 18:52	1
Benzo[b]fluoranthene	<0.019	*+	0.019	ug/L		09/21/23 19:59	09/22/23 18:52	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		09/21/23 19:59	09/22/23 18:52	1
beta-BHC	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		09/21/23 19:59	09/22/23 18:52	1
Bromacil	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Butachlor	<0.049	^3+	0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 18:52	1
Chlorobenzilate	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Chloroneb	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Chlorothalonil (Draconil, Bravo)	<0.097	^3+	0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Chlorpyrifos	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Chrysene	<0.019		0.019	ug/L		09/21/23 19:59	09/22/23 18:52	1
delta-BHC	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Di(2-ethylhexyl)adipate	<0.58	^3+	0.58	ug/L		09/21/23 19:59	09/22/23 18:52	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Dieldrin	<0.19		0.19	ug/L		09/21/23 19:59	09/22/23 18:52	1
Diethylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 18:52	1
Dimethylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 18:52	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		09/21/23 19:59	09/22/23 18:52	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Endosulfan sulfate	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Endrin	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Endrin aldehyde	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
EPTC	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Fluoranthene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1

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Client Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: 380-63647-1

Date Collected: 09/18/23 10:15

Matrix: Drinking Water

Date Received: 09/20/23 10:35

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
gamma-Chlordane	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Heptachlor	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 18:52	1
Heptachlor epoxide (isomer B)	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Isophorone	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 18:52	1
Lindane	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 18:52	1
Malathion	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Methoxychlor	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Metolachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Molinate	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Naphthalene	<0.29		0.29	ug/L		09/21/23 19:59	09/22/23 18:52	1
Parathion	<0.097	*+	0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Phenanthrene	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 18:52	1
Propachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Pyrene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Simazine	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Terbacil	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Terbutylazine	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1
Thiobencarb	<0.19		0.19	ug/L		09/21/23 19:59	09/22/23 18:52	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		09/21/23 19:59	09/22/23 18:52	1
trans-Nonachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 18:52	1
Trifluralin	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 18:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
<i>Erucic acid</i>	0.85	T J N	ug/L		8.48	112-86-7	09/21/23 19:59	09/22/23 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	101		70 - 130	09/21/23 19:59	09/22/23 18:52	1
Perylene-d12	93		70 - 130	09/21/23 19:59	09/22/23 18:52	1
Triphenylphosphate	98		70 - 130	09/21/23 19:59	09/22/23 18:52	1

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

Lab Sample ID: 380-63647-2

Date Collected: 09/18/23 11:12

Matrix: Drinking Water

Date Received: 09/20/23 10:35

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
2,4'-DDD	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
2,4'-DDE	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
2,4'-DDT	<0.097	F1	0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
2-Methylnaphthalene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
4,4'-DDD	<0.097	F1	0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1

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Client Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: 380-63647-2

Date Collected: 09/18/23 11:12

Matrix: Drinking Water

Date Received: 09/20/23 10:35

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
4,4'-DDT	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Acenaphthene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Acenaphthylene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Acetochlor	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Alachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
alpha-BHC	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
alpha-Chlordane	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Anthracene	<0.019		0.019	ug/L		09/21/23 19:59	09/22/23 19:12	1
Atrazine	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Benzo[a]pyrene	<0.019		0.019	ug/L		09/21/23 19:59	09/22/23 19:12	1
Benzo[b]fluoranthene	<0.019	*+	0.019	ug/L		09/21/23 19:59	09/22/23 19:12	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		09/21/23 19:59	09/22/23 19:12	1
beta-BHC	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		09/21/23 19:59	09/22/23 19:12	1
Bromacil	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Butachlor	<0.049	^3+	0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:12	1
Chlorobenzilate	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Chloroneb	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Chlorothalonil (Draconil, Bravo)	<0.097	^3+	0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Chlorpyrifos	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Chrysene	<0.019		0.019	ug/L		09/21/23 19:59	09/22/23 19:12	1
delta-BHC	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Di(2-ethylhexyl)adipate	<0.58	^3+	0.58	ug/L		09/21/23 19:59	09/22/23 19:12	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Dieldrin	<0.19		0.19	ug/L		09/21/23 19:59	09/22/23 19:12	1
Diethylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:12	1
Dimethylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:12	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		09/21/23 19:59	09/22/23 19:12	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Endosulfan sulfate	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Endrin	<0.097	F1	0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Endrin aldehyde	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
EPTC	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Fluoranthene	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Fluorene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
gamma-Chlordane	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Heptachlor	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 19:12	1
Heptachlor epoxide (isomer B)	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: 380-63647-2

Date Collected: 09/18/23 11:12

Matrix: Drinking Water

Date Received: 09/20/23 10:35

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:12	1
Lindane	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 19:12	1
Malathion	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Methoxychlor	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Metolachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Molinate	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Naphthalene	<0.29		0.29	ug/L		09/21/23 19:59	09/22/23 19:12	1
Parathion	<0.097	F1 **	0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Phenanthrene	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 19:12	1
Propachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Pyrene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Simazine	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Terbacil	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Terbutylazine	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1
Thiobencarb	<0.19		0.19	ug/L		09/21/23 19:59	09/22/23 19:12	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		09/21/23 19:59	09/22/23 19:12	1
trans-Nonachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:12	1
Trifluralin	<0.097		0.097	ug/L		09/21/23 19:59	09/22/23 19:12	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
<i>Erucic acid</i>	0.82	T J N	ug/L		8.47	112-86-7	09/21/23 19:59	09/22/23 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	100		70 - 130	09/21/23 19:59	09/22/23 19:12	1
Perylene-d12	103		70 - 130	09/21/23 19:59	09/22/23 19:12	1
Triphenylphosphate	106		70 - 130	09/21/23 19:59	09/22/23 19:12	1

**Client Sample ID: AIEA WELLS PUMPS 1&2 (260)
(331-203-TP400) P2**

Lab Sample ID: 380-63647-3

Date Collected: 09/18/23 11:49

Matrix: Drinking Water

Date Received: 09/20/23 10:35

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
2,4'-DDD	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
2,4'-DDE	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
2,4'-DDT	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
2-Methylnaphthalene	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
4,4'-DDD	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
4,4'-DDE	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
4,4'-DDT	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Acenaphthene	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Acenaphthylene	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Acetochlor	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Alachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1

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Client Sample Results

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

Job ID: 380-63647-1

**Client Sample ID: AIEA WELLS PUMPS 1&2 (260)
(331-203-TP400) P2**

Lab Sample ID: 380-63647-3

Date Collected: 09/18/23 11:49

Matrix: Drinking Water

Date Received: 09/20/23 10:35

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
alpha-Chlordane	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Anthracene	<0.020		0.020	ug/L		09/21/23 19:59	09/22/23 19:32	1
Atrazine	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Benzo[a]pyrene	<0.020		0.020	ug/L		09/21/23 19:59	09/22/23 19:32	1
Benzo[b]fluoranthene	<0.020	*+	0.020	ug/L		09/21/23 19:59	09/22/23 19:32	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		09/21/23 19:59	09/22/23 19:32	1
beta-BHC	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		09/21/23 19:59	09/22/23 19:32	1
Bromacil	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Butachlor	<0.049	^3+	0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:32	1
Chlorobenzilate	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Chloroneb	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Chlorothalonil (Draconil, Bravo)	<0.099	^3+	0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Chlorpyrifos	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Chrysene	<0.020		0.020	ug/L		09/21/23 19:59	09/22/23 19:32	1
delta-BHC	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Di(2-ethylhexyl)adipate	<0.59	^3+	0.59	ug/L		09/21/23 19:59	09/22/23 19:32	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Dieldrin	<0.20		0.20	ug/L		09/21/23 19:59	09/22/23 19:32	1
Diethylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:32	1
Dimethylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:32	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		09/21/23 19:59	09/22/23 19:32	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Endosulfan sulfate	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Endrin	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Endrin aldehyde	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
EPTC	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Fluoranthene	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Fluorene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
gamma-Chlordane	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Heptachlor	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 19:32	1
Heptachlor epoxide (isomer B)	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Isophorone	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:32	1
Lindane	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 19:32	1
Malathion	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Methoxychlor	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Metolachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Molinate	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-63647-1

**Client Sample ID: AIEA WELLS PUMPS 1&2 (260)
(331-203-TP400) P2**

Lab Sample ID: 380-63647-3

Date Collected: 09/18/23 11:49

Matrix: Drinking Water

Date Received: 09/20/23 10:35

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.30		0.30	ug/L		09/21/23 19:59	09/22/23 19:32	1
Parathion	<0.099	*+	0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Phenanthrene	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 19:32	1
Propachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Pyrene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Simazine	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Terbacil	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Terbutylazine	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1
Thiobencarb	<0.20		0.20	ug/L		09/21/23 19:59	09/22/23 19:32	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		09/21/23 19:59	09/22/23 19:32	1
trans-Nonachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:32	1
Trifluralin	<0.099		0.099	ug/L		09/21/23 19:59	09/22/23 19:32	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.56	T J	ug/L		3.33	N/A	09/21/23 19:59	09/22/23 19:32	1
Erucic acid	0.93	T J N	ug/L		8.48	112-86-7	09/21/23 19:59	09/22/23 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	99		70 - 130	09/21/23 19:59	09/22/23 19:32	1
Perylene-d12	102		70 - 130	09/21/23 19:59	09/22/23 19:32	1
Triphenylphosphate	105		70 - 130	09/21/23 19:59	09/22/23 19:32	1

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

Lab Sample ID: 380-63647-4

Date Collected: 09/18/23 10:43

Matrix: Drinking Water

Date Received: 09/20/23 10:35

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
2,4'-DDD	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
2,4'-DDE	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
2,4'-DDT	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
2-Methylnaphthalene	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
4,4'-DDD	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
4,4'-DDE	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
4,4'-DDT	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Acenaphthene	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Acenaphthylene	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Acetochlor	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Alachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
alpha-BHC	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
alpha-Chlordane	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Anthracene	<0.020		0.020	ug/L		09/21/23 19:59	09/22/23 19:52	1
Atrazine	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: 380-63647-4

Date Collected: 09/18/23 10:43

Matrix: Drinking Water

Date Received: 09/20/23 10:35

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.020		0.020	ug/L		09/21/23 19:59	09/22/23 19:52	1
Benzo[b]fluoranthene	<0.020	*+	0.020	ug/L		09/21/23 19:59	09/22/23 19:52	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		09/21/23 19:59	09/22/23 19:52	1
beta-BHC	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		09/21/23 19:59	09/22/23 19:52	1
Bromacil	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Butachlor	<0.049	^3+	0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:52	1
Chlorobenzilate	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Chloroneb	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Chlorothalonil (Draconil, Bravo)	<0.098	^3+	0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Chlorpyrifos	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Chrysene	<0.020		0.020	ug/L		09/21/23 19:59	09/22/23 19:52	1
delta-BHC	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Di(2-ethylhexyl)adipate	<0.59	^3+	0.59	ug/L		09/21/23 19:59	09/22/23 19:52	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Dieldrin	<0.20		0.20	ug/L		09/21/23 19:59	09/22/23 19:52	1
Diethylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:52	1
Dimethylphthalate	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:52	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		09/21/23 19:59	09/22/23 19:52	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Endosulfan sulfate	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Endrin	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Endrin aldehyde	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
EPTC	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Fluoranthene	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Fluorene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
gamma-Chlordane	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Heptachlor	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 19:52	1
Heptachlor epoxide (isomer B)	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Isophorone	<0.49		0.49	ug/L		09/21/23 19:59	09/22/23 19:52	1
Lindane	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 19:52	1
Malathion	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Methoxychlor	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Metolachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Molinate	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Naphthalene	<0.29		0.29	ug/L		09/21/23 19:59	09/22/23 19:52	1
Parathion	<0.098	*+	0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Phenanthrene	<0.039		0.039	ug/L		09/21/23 19:59	09/22/23 19:52	1
Propachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1

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Client Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: 380-63647-4

Date Collected: 09/18/23 10:43

Matrix: Drinking Water

Date Received: 09/20/23 10:35

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Simazine	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Terbacil	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Terbutylazine	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1
Thiobencarb	<0.20		0.20	ug/L		09/21/23 19:59	09/22/23 19:52	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		09/21/23 19:59	09/22/23 19:52	1
trans-Nonachlor	<0.049		0.049	ug/L		09/21/23 19:59	09/22/23 19:52	1
Trifluralin	<0.098		0.098	ug/L		09/21/23 19:59	09/22/23 19:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
<i>Erucic acid</i>	0.94	T J N	ug/L		8.48	112-86-7	09/21/23 19:59	09/22/23 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>2-Nitro-m-xylene</i>	98		70 - 130	09/21/23 19:59	09/22/23 19:52	1
<i>Perylene-d12</i>	103		70 - 130	09/21/23 19:59	09/22/23 19:52	1
<i>Triphenylphosphate</i>	106		70 - 130	09/21/23 19:59	09/22/23 19:52	1

Action Limit Summary

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

Job ID: 380-63647-1

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

Lab Sample ID: 380-63647-1

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	EPAMCL	RL	Method	Prep Type
				Limit			
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58	^3+	ug/L	400	0.58	525.2	Total/NA
Endrin	<0.097		ug/L	2	0.097	525.2	Total/NA
Heptachlor	<0.039		ug/L	0.4	0.039	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.049		ug/L	0.2	0.049	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.039		ug/L	0.2	0.039	525.2	Total/NA
Methoxychlor	<0.097		ug/L	40	0.097	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA

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

Lab Sample ID: 380-63647-2

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	EPAMCL	RL	Method	Prep Type
				Limit			
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58	^3+	ug/L	400	0.58	525.2	Total/NA
Endrin	<0.097	F1	ug/L	2	0.097	525.2	Total/NA
Heptachlor	<0.039		ug/L	0.4	0.039	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.049		ug/L	0.2	0.049	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.039		ug/L	0.2	0.039	525.2	Total/NA
Methoxychlor	<0.097		ug/L	40	0.097	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA

Action Limit Summary

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

Job ID: 380-63647-1

Client Sample ID: AIEA WELLS PUMPS 1&2 (260)
(331-203-TP400) P2
PWSID Number: HI0000331

Lab Sample ID: 380-63647-3

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	EPAMCL	RL	Method	Prep Type
				Limit			
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59	^3+	ug/L	400	0.59	525.2	Total/NA
Endrin	<0.099		ug/L	2	0.099	525.2	Total/NA
Heptachlor	<0.039		ug/L	0.4	0.039	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.049		ug/L	0.2	0.049	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.039		ug/L	0.2	0.039	525.2	Total/NA
Methoxychlor	<0.099		ug/L	40	0.099	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA

Client Sample ID: HALAWA WELLS UNITS 1 & 2
(331-206-TP065) P1
PWSID Number: HI0000331

Lab Sample ID: 380-63647-4

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	EPAMCL	RL	Method	Prep Type
				Limit			
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59	^3+	ug/L	400	0.59	525.2	Total/NA
Endrin	<0.098		ug/L	2	0.098	525.2	Total/NA
Heptachlor	<0.039		ug/L	0.4	0.039	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.049		ug/L	0.2	0.049	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.039		ug/L	0.2	0.039	525.2	Total/NA
Methoxychlor	<0.098		ug/L	40	0.098	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA

Surrogate Summary

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

Job ID: 380-63647-1

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-63647-1	MOANALUA WELLS (331-223-T	101	93	98
380-63647-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	100	103	106
380-63647-2 MS	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	100	100	108
380-63647-3	AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) P2	99	102	105
380-63647-4	HALAWA WELLS UNITS 1 & 2 (331-206-TP065) P1	98	103	106
380-63647-4 DU	HALAWA WELLS UNITS 1 & 2 (331-206-TP065) P1	98	99	98

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
LCS 380-56545/23-A	Lab Control Sample	101	98	100
LCSD 380-56545/24-A	Lab Control Sample Dup	99	100	103
MB 380-56545/21-A	Method Blank	99	92	103
MRL 380-56545/22-A	Lab Control Sample	96	94	102

Surrogate Legend

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

QC Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: MB 380-56545/21-A
Matrix: Water
Analysis Batch: 56640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56545

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
2,4'-DDD	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
2,4'-DDE	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
2,4'-DDT	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
2-Methylnaphthalene	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
4,4'-DDD	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
4,4'-DDE	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
4,4'-DDT	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Acenaphthene	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Acenaphthylene	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Acetochlor	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Alachlor	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
alpha-BHC	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
alpha-Chlordane	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Anthracene	<0.020		0.020	ug/L		09/21/23 18:39	09/22/23 13:52	1
Atrazine	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Benz(a)anthracene	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Benzo[a]pyrene	<0.020		0.020	ug/L		09/21/23 18:39	09/22/23 13:52	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		09/21/23 18:39	09/22/23 13:52	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		09/21/23 18:39	09/22/23 13:52	1
beta-BHC	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60	ug/L		09/21/23 18:39	09/22/23 13:52	1
Bromacil	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Butachlor	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Butylbenzylphthalate	<0.50		0.50	ug/L		09/21/23 18:39	09/22/23 13:52	1
Chlorobenzilate	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Chloroneb	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Chlorpyrifos	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Chrysene	<0.020		0.020	ug/L		09/21/23 18:39	09/22/23 13:52	1
delta-BHC	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		09/21/23 18:39	09/22/23 13:52	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Dieldrin	<0.20		0.20	ug/L		09/21/23 18:39	09/22/23 13:52	1
Diethylphthalate	<0.50		0.50	ug/L		09/21/23 18:39	09/22/23 13:52	1
Dimethylphthalate	<0.50		0.50	ug/L		09/21/23 18:39	09/22/23 13:52	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		09/21/23 18:39	09/22/23 13:52	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Endosulfan sulfate	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Endrin	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Endrin aldehyde	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
EPTC	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: MB 380-56545/21-A
Matrix: Water
Analysis Batch: 56640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56545

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Fluorene	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
gamma-Chlordane	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Heptachlor	<0.040		0.040	ug/L		09/21/23 18:39	09/22/23 13:52	1
Heptachlor epoxide (isomer B)	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Hexachlorobenzene	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Isophorone	<0.50		0.50	ug/L		09/21/23 18:39	09/22/23 13:52	1
Lindane	<0.040		0.040	ug/L		09/21/23 18:39	09/22/23 13:52	1
Malathion	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Methoxychlor	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Metolachlor	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Molinate	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Naphthalene	<0.30		0.30	ug/L		09/21/23 18:39	09/22/23 13:52	1
Parathion	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Phenanthrene	<0.040		0.040	ug/L		09/21/23 18:39	09/22/23 13:52	1
Propachlor	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Pyrene	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Simazine	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Terbacil	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Terbutylazine	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1
Thiobencarb	<0.20		0.20	ug/L		09/21/23 18:39	09/22/23 13:52	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		09/21/23 18:39	09/22/23 13:52	1
trans-Nonachlor	<0.050		0.050	ug/L		09/21/23 18:39	09/22/23 13:52	1
Trifluralin	<0.099		0.099	ug/L		09/21/23 18:39	09/22/23 13:52	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.791	T J	ug/L		2.26	N/A	09/21/23 18:39	09/22/23 13:52	1
Cyclohexane, 1-methyl-2-propyl-	0.577	T J N	ug/L		2.35	4291-79-6	09/21/23 18:39	09/22/23 13:52	1
Unknown	0.533	T J	ug/L		2.37	N/A	09/21/23 18:39	09/22/23 13:52	1
Decane	2.22	T J N	ug/L		2.46	124-18-5	09/21/23 18:39	09/22/23 13:52	1
Cyclopentasiloxane, decamethyl-	0.642	T J N	ug/L		2.75	541-02-6	09/21/23 18:39	09/22/23 13:52	1
2,4,7,9-Tetramethyl-5-decyn-4,7-diol	0.546	T J N	ug/L		3.88	126-86-3	09/21/23 18:39	09/22/23 13:52	1
Unknown	0.683	T J	ug/L		5.88	N/A	09/21/23 18:39	09/22/23 13:52	1
1,3-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	0.515	T J N	ug/L		10.00	137-89-3	09/21/23 18:39	09/22/23 13:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	99		70 - 130	09/21/23 18:39	09/22/23 13:52	1
Perylene-d12	92		70 - 130	09/21/23 18:39	09/22/23 13:52	1
Triphenylphosphate	103		70 - 130	09/21/23 18:39	09/22/23 13:52	1

QC Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: LCS 380-56545/23-A
Matrix: Water
Analysis Batch: 56640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56545

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.98	2.21		ug/L		112	70 - 130
2,4'-DDD	1.98	2.31		ug/L		116	70 - 130
2,4'-DDE	1.98	2.30		ug/L		116	70 - 130
2,4'-DDT	1.98	2.51		ug/L		127	70 - 130
2,4-Dinitrotoluene	1.98	2.36		ug/L		119	70 - 130
2,6-Dinitrotoluene	1.98	2.32		ug/L		117	70 - 130
2-Methylnaphthalene	1.98	2.29		ug/L		116	70 - 130
4,4'-DDD	1.98	2.45		ug/L		124	70 - 130
4,4'-DDE	1.98	2.18		ug/L		110	70 - 130
4,4'-DDT	1.98	2.35		ug/L		119	70 - 130
Acenaphthene	1.98	2.20		ug/L		111	70 - 130
Acenaphthylene	1.98	2.22		ug/L		112	70 - 130
Acetochlor	1.98	2.35		ug/L		119	70 - 130
Alachlor	1.98	2.19		ug/L		111	70 - 130
alpha-BHC	1.98	2.17		ug/L		110	70 - 130
alpha-Chlordane	1.98	1.98		ug/L		100	70 - 130
Anthracene	1.98	2.20		ug/L		111	70 - 130
Atrazine	1.98	2.41		ug/L		122	70 - 130
Benz(a)anthracene	1.98	2.33		ug/L		117	70 - 130
Benzo[a]pyrene	1.98	2.52		ug/L		127	70 - 130
Benzo[b]fluoranthene	1.98	2.60	*+	ug/L		131	70 - 130
Benzo[g,h,i]perylene	1.98	2.29		ug/L		115	70 - 130
Benzo[k]fluoranthene	1.98	2.57		ug/L		130	70 - 130
beta-BHC	1.98	2.16		ug/L		109	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	2.06		ug/L		104	70 - 130
Bromacil	1.98	2.26		ug/L		114	70 - 130
Butachlor	1.98	2.41		ug/L		121	70 - 130
Butylbenzylphthalate	1.98	2.35		ug/L		118	70 - 130
Chlorobenzilate	1.98	2.44		ug/L		123	70 - 130
Chloroneb	1.98	2.10		ug/L		106	70 - 130
Chlorothalonil (Draconil, Bravo)	1.98	2.23		ug/L		113	70 - 130
Chlorpyrifos	1.98	2.38		ug/L		120	70 - 130
Chrysene	1.98	2.19		ug/L		110	70 - 130
delta-BHC	1.98	2.06		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	1.98	2.21		ug/L		112	70 - 130
Dibenz(a,h)anthracene	1.98	2.29		ug/L		116	70 - 130
Diclorvos (DDVP)	1.98	2.41		ug/L		122	70 - 130
Dieldrin	1.98	2.34		ug/L		118	70 - 130
Diethylphthalate	1.98	2.25		ug/L		114	70 - 130
Dimethylphthalate	1.98	2.29		ug/L		115	70 - 130
Di-n-butyl phthalate	3.96	4.59		ug/L		116	70 - 130
Di-n-octyl phthalate	1.98	1.97		ug/L		100	70 - 130
Endosulfan I (Alpha)	1.98	1.99		ug/L		100	70 - 130
Endosulfan II (Beta)	1.98	2.27		ug/L		114	70 - 130
Endosulfan sulfate	1.98	2.36		ug/L		119	70 - 130
Endrin	1.98	2.54		ug/L		128	70 - 130
Endrin aldehyde	1.98	2.14		ug/L		108	70 - 130
EPTC	1.98	2.27		ug/L		115	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: LCS 380-56545/23-A
Matrix: Water
Analysis Batch: 56640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56545

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	1.98	2.19		ug/L		111	70 - 130
Fluorene	1.98	2.28		ug/L		115	70 - 130
gamma-Chlordane	1.98	1.93		ug/L		97	70 - 130
Heptachlor	1.98	2.47		ug/L		124	70 - 130
Heptachlor epoxide (isomer B)	1.98	1.94		ug/L		98	70 - 130
Hexachlorobenzene	1.98	2.20		ug/L		111	70 - 130
Hexachlorocyclopentadiene	1.98	2.19		ug/L		111	70 - 130
Indeno[1,2,3-cd]pyrene	1.98	2.29		ug/L		115	70 - 130
Isophorone	1.98	2.15		ug/L		108	70 - 130
Lindane	1.98	2.17		ug/L		110	70 - 130
Malathion	1.98	2.24		ug/L		113	70 - 130
Methoxychlor	1.98	2.40		ug/L		121	70 - 130
Metolachlor	1.98	2.41		ug/L		122	70 - 130
Molinate	1.98	2.33		ug/L		118	70 - 130
Naphthalene	1.98	2.17		ug/L		110	70 - 130
Parathion	1.98	2.57		ug/L		130	70 - 130
Pendimethalin (Penoxaline)	1.98	2.42		ug/L		122	70 - 130
Phenanthrene	1.98	2.07		ug/L		105	70 - 130
Propachlor	1.98	2.41		ug/L		122	70 - 130
Pyrene	1.98	2.27		ug/L		115	70 - 130
Simazine	1.98	2.49		ug/L		126	70 - 130
Terbacil	1.98	2.26		ug/L		114	70 - 130
Terbutylazine	1.98	2.36		ug/L		119	70 - 130
Thiobencarb	1.98	2.47		ug/L		125	70 - 130
trans-Nonachlor	1.98	2.08		ug/L		105	70 - 130
Trifluralin	1.98	2.20		ug/L		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	101		70 - 130
Perylene-d12	98		70 - 130
Triphenylphosphate	100		70 - 130

Lab Sample ID: LCSD 380-56545/24-A
Matrix: Water
Analysis Batch: 56640

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56545

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	1.98	2.21		ug/L		111	70 - 130	0	20
2,4'-DDD	1.98	2.34		ug/L		118	70 - 130	1	20
2,4'-DDE	1.98	2.36		ug/L		119	70 - 130	3	20
2,4'-DDT	1.98	2.56		ug/L		129	70 - 130	2	20
2,4-Dinitrotoluene	1.98	2.29		ug/L		116	70 - 130	3	20
2,6-Dinitrotoluene	1.98	2.26		ug/L		114	70 - 130	3	20
2-Methylnaphthalene	1.98	2.26		ug/L		114	70 - 130	1	20
4,4'-DDD	1.98	2.48		ug/L		125	70 - 130	1	20
4,4'-DDE	1.98	2.20		ug/L		111	70 - 130	1	20
4,4'-DDT	1.98	2.40		ug/L		121	70 - 130	2	20
Acenaphthene	1.98	2.12		ug/L		107	70 - 130	4	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: LCSD 380-56545/24-A

Matrix: Water

Analysis Batch: 56640

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56545

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	RPD Limit
							Limits	RPD		
Acenaphthylene	1.98	2.14		ug/L		108	70 - 130	4	20	
Acetochlor	1.98	2.42		ug/L		122	70 - 130	3	20	
Alachlor	1.98	2.21		ug/L		111	70 - 130	1	20	
alpha-BHC	1.98	2.08		ug/L		105	70 - 130	4	20	
alpha-Chlordane	1.98	2.03		ug/L		102	70 - 130	2	20	
Anthracene	1.98	2.25		ug/L		113	70 - 130	2	20	
Atrazine	1.98	2.36		ug/L		119	70 - 130	2	20	
Benz(a)anthracene	1.98	2.41		ug/L		121	70 - 130	3	20	
Benzo[a]pyrene	1.98	2.55		ug/L		128	70 - 130	1	20	
Benzo[b]fluoranthene	1.98	2.60	*+	ug/L		131	70 - 130	0	20	
Benzo[g,h,i]perylene	1.98	2.26		ug/L		114	70 - 130	1	20	
Benzo[k]fluoranthene	1.98	2.53		ug/L		128	70 - 130	1	20	
beta-BHC	1.98	2.10		ug/L		106	70 - 130	3	20	
Bis(2-ethylhexyl) phthalate	1.98	2.04		ug/L		103	70 - 130	1	20	
Bromacil	1.98	2.29		ug/L		116	70 - 130	2	20	
Butachlor	1.98	2.42		ug/L		122	70 - 130	1	20	
Butylbenzylphthalate	1.98	2.37		ug/L		120	70 - 130	1	20	
Chlorobenzilate	1.98	2.46		ug/L		124	70 - 130	1	20	
Chloroneb	1.98	2.09		ug/L		105	70 - 130	0	20	
Chlorothalonil (Draconil, Bravo)	1.98	2.31		ug/L		116	70 - 130	3	20	
Chlorpyrifos	1.98	2.38		ug/L		120	70 - 130	0	20	
Chrysene	1.98	2.17		ug/L		109	70 - 130	1	20	
delta-BHC	1.98	2.08		ug/L		105	70 - 130	1	20	
Di(2-ethylhexyl)adipate	1.98	2.24		ug/L		113	70 - 130	1	20	
Dibenz(a,h)anthracene	1.98	2.32		ug/L		117	70 - 130	1	20	
Diclorvos (DDVP)	1.98	2.43		ug/L		122	70 - 130	1	20	
Dieldrin	1.98	2.32		ug/L		117	70 - 130	1	20	
Diethylphthalate	1.98	2.20		ug/L		111	70 - 130	2	20	
Dimethylphthalate	1.98	2.24		ug/L		113	70 - 130	2	20	
Di-n-butyl phthalate	3.97	4.62		ug/L		116	70 - 130	1	20	
Di-n-octyl phthalate	1.98	1.95		ug/L		98	70 - 130	1	20	
Endosulfan I (Alpha)	1.98	1.98		ug/L		100	70 - 130	1	20	
Endosulfan II (Beta)	1.98	2.24		ug/L		113	70 - 130	1	20	
Endosulfan sulfate	1.98	2.42		ug/L		122	70 - 130	3	20	
Endrin	1.98	2.57		ug/L		129	70 - 130	1	20	
Endrin aldehyde	1.98	2.20		ug/L		111	70 - 130	3	20	
EPTC	1.98	2.20		ug/L		111	70 - 130	3	20	
Fluoranthene	1.98	2.23		ug/L		112	70 - 130	2	20	
Fluorene	1.98	2.26		ug/L		114	70 - 130	1	20	
gamma-Chlordane	1.98	1.98		ug/L		100	70 - 130	3	20	
Heptachlor	1.98	2.47		ug/L		124	70 - 130	0	20	
Heptachlor epoxide (isomer B)	1.98	2.06		ug/L		104	70 - 130	6	20	
Hexachlorobenzene	1.98	2.14		ug/L		108	70 - 130	3	20	
Hexachlorocyclopentadiene	1.98	2.19		ug/L		110	70 - 130	0	20	
Indeno[1,2,3-cd]pyrene	1.98	2.28		ug/L		115	70 - 130	0	20	
Isophorone	1.98	2.13		ug/L		107	70 - 130	1	20	
Lindane	1.98	2.08		ug/L		105	70 - 130	4	20	
Malathion	1.98	2.30		ug/L		116	70 - 130	3	20	
Methoxychlor	1.98	2.36		ug/L		119	70 - 130	2	20	

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: LCSD 380-56545/24-A
Matrix: Water
Analysis Batch: 56640

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56545

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Metolachlor	1.98	2.48		ug/L		125	70 - 130	3	20
Molinate	1.98	2.34		ug/L		118	70 - 130	1	20
Naphthalene	1.98	2.11		ug/L		106	70 - 130	3	20
Parathion	1.98	2.64	*+	ug/L		133	70 - 130	3	20
Pendimethalin (Penoxaline)	1.98	2.49		ug/L		126	70 - 130	3	20
Phenanthrene	1.98	2.07		ug/L		105	70 - 130	0	20
Propachlor	1.98	2.40		ug/L		121	70 - 130	0	20
Pyrene	1.98	2.31		ug/L		116	70 - 130	2	20
Simazine	1.98	2.41		ug/L		122	70 - 130	3	20
Terbacil	1.98	2.30		ug/L		116	70 - 130	2	20
Terbutylazine	1.98	2.32		ug/L		117	70 - 130	2	20
Thiobencarb	1.98	2.53		ug/L		127	70 - 130	2	20
trans-Nonachlor	1.98	2.10		ug/L		106	70 - 130	1	20
Trifluralin	1.98	2.21		ug/L		111	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	100		70 - 130
Triphenylphosphate	103		70 - 130

Lab Sample ID: MRL 380-56545/22-A
Matrix: Water
Analysis Batch: 56640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56545

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0995	0.118		ug/L		118	50 - 150
2,4'-DDD	0.0995	0.137		ug/L		138	50 - 150
2,4'-DDE	0.0995	0.113		ug/L		113	50 - 150
2,4'-DDT	0.0995	0.0964	J	ug/L		97	50 - 150
2,4-Dinitrotoluene	0.0995	0.121		ug/L		122	50 - 150
2,6-Dinitrotoluene	0.0995	0.128		ug/L		129	50 - 150
2-Methylnaphthalene	0.0995	0.114		ug/L		115	50 - 150
4,4'-DDD	0.0995	0.108		ug/L		108	50 - 150
4,4'-DDE	0.0995	0.103		ug/L		104	50 - 150
4,4'-DDT	0.0995	0.107		ug/L		108	50 - 150
Acenaphthene	0.0995	0.108		ug/L		109	50 - 150
Acenaphthylene	0.0995	0.101		ug/L		102	50 - 150
Acetochlor	0.0497	0.0538	J	ug/L		108	50 - 150
Alachlor	0.0497	0.0555		ug/L		112	50 - 150
alpha-BHC	0.0995	0.107		ug/L		108	50 - 150
alpha-Chlordane	0.0249	<0.029		ug/L		101	50 - 150
Anthracene	0.0199	0.0218		ug/L		110	50 - 150
Atrazine	0.0497	0.0513		ug/L		103	50 - 150
Benz(a)anthracene	0.0497	0.0532		ug/L		107	50 - 150
Benzo[a]pyrene	0.0199	0.0192	J	ug/L		97	50 - 150
Benzo[b]fluoranthene	0.0199	0.0219		ug/L		110	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0444	J	ug/L		89	50 - 150
Benzo[k]fluoranthene	0.0199	0.0212		ug/L		107	50 - 150

QC Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: MRL 380-56545/22-A
Matrix: Water
Analysis Batch: 56640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56545

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
beta-BHC	0.0995	0.110		ug/L		111	50 - 150
Bis(2-ethylhexyl) phthalate	0.597	0.689		ug/L		115	50 - 150
Bromacil	0.0995	0.135		ug/L		136	50 - 150
Butachlor	0.0497	0.0825	^3+	ug/L		166	50 - 150
Butylbenzylphthalate	0.149	0.202	J	ug/L		136	50 - 150
Chlorobenzilate	0.0995	0.139		ug/L		140	50 - 150
Chloroneb	0.0995	0.106		ug/L		107	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0995	0.164	^3+	ug/L		165	50 - 150
Chlorpyrifos	0.0497	0.0611		ug/L		123	50 - 150
Chrysene	0.0199	0.0194	J	ug/L		98	50 - 150
delta-BHC	0.0995	0.116		ug/L		116	50 - 150
Di(2-ethylhexyl)adipate	0.298	0.478	J ^3+	ug/L		160	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0439	J	ug/L		88	50 - 150
Diclorvos (DDVP)	0.0497	0.0643		ug/L		129	50 - 150
Dieldrin	0.0995	0.106	J	ug/L		106	50 - 150
Diethylphthalate	0.149	0.186	J	ug/L		124	50 - 150
Dimethylphthalate	0.298	0.328	J	ug/L		110	50 - 150
Di-n-butyl phthalate	0.298	0.354	J	ug/L		119	49 - 243
Di-n-octyl phthalate	0.0995	0.106		ug/L		107	50 - 150
Endosulfan I (Alpha)	0.0995	0.103		ug/L		103	50 - 150
Endosulfan II (Beta)	0.0995	0.136		ug/L		137	50 - 150
Endosulfan sulfate	0.0995	0.140		ug/L		141	50 - 150
Endrin	0.0995	0.146		ug/L		147	50 - 150
Endrin aldehyde	0.0995	0.104		ug/L		105	50 - 150
EPTC	0.0995	0.135		ug/L		136	50 - 150
Fluoranthene	0.0497	0.0575	J	ug/L		116	50 - 150
Fluorene	0.0497	0.0543		ug/L		109	50 - 150
gamma-Chlordane	0.0249	0.0255	J	ug/L		103	50 - 150
Heptachlor	0.0398	0.0540		ug/L		136	50 - 150
Heptachlor epoxide (isomer B)	0.0497	0.0473	J	ug/L		95	50 - 150
Hexachlorobenzene	0.0497	0.0508		ug/L		102	50 - 150
Hexachlorocyclopentadiene	0.0497	0.0424	J	ug/L		85	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0405	J	ug/L		81	50 - 150
Isophorone	0.0995	0.107	J	ug/L		107	50 - 150
Lindane	0.0398	0.0445		ug/L		112	50 - 150
Malathion	0.0995	0.129		ug/L		129	50 - 150
Methoxychlor	0.0995	0.101		ug/L		101	50 - 150
Metolachlor	0.0497	0.0637		ug/L		128	50 - 150
Molinate	0.0995	0.136		ug/L		137	50 - 150
Naphthalene	0.0995	0.115	J	ug/L		115	50 - 150
Parathion	0.0995	0.138		ug/L		139	50 - 150
Pendimethalin (Penoxaline)	0.0995	0.137		ug/L		137	50 - 150
Phenanthrene	0.0199	0.0240	J	ug/L		121	50 - 150
Propachlor	0.0497	0.0561		ug/L		113	50 - 150
Pyrene	0.0497	0.0558		ug/L		112	50 - 150
Simazine	0.0497	0.0644		ug/L		130	50 - 150
Terbacil	0.0995	0.148		ug/L		148	50 - 150
Terbutylazine	0.0995	0.103		ug/L		103	50 - 150
Thiobencarb	0.0995	0.129	J	ug/L		130	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: MRL 380-56545/22-A
Matrix: Water
Analysis Batch: 56640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56545

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
trans-Nonachlor	0.0249	<0.026		ug/L		94	50 - 150
Trifluralin	0.0995	0.122		ug/L		123	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	94		70 - 130
Triphenylphosphate	102		70 - 130

Lab Sample ID: 380-63647-2 MS
Matrix: Drinking Water
Analysis Batch: 56640

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Prep Type: Total/NA
Prep Batch: 56545

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.95	2.17		ug/L		112	70 - 130
2,4'-DDD	<0.097		1.95	2.33		ug/L		120	70 - 130
2,4'-DDE	<0.097		1.95	2.36		ug/L		121	70 - 130
2,4'-DDT	<0.097	F1	1.95	2.59	F1	ug/L		133	70 - 130
2,4-Dinitrotoluene	<0.097		1.95	2.33		ug/L		120	70 - 130
2,6-Dinitrotoluene	<0.097		1.95	2.28		ug/L		117	70 - 130
2-Methylnaphthalene	<0.097		1.95	2.21		ug/L		114	70 - 130
4,4'-DDD	<0.097	F1	1.95	2.54	F1	ug/L		131	70 - 130
4,4'-DDE	<0.097		1.95	2.18		ug/L		112	70 - 130
4,4'-DDT	<0.097		1.95	2.42		ug/L		124	70 - 130
Acenaphthene	<0.097		1.95	2.11		ug/L		108	70 - 130
Acenaphthylene	<0.097		1.95	2.19		ug/L		113	70 - 130
Acetochlor	<0.097		1.95	2.40		ug/L		123	70 - 130
Alachlor	<0.049		1.95	2.23		ug/L		114	70 - 130
alpha-BHC	<0.097		1.95	2.08		ug/L		107	70 - 130
alpha-Chlordane	<0.049		1.95	2.00		ug/L		103	70 - 130
Anthracene	<0.019		1.95	1.92		ug/L		99	70 - 130
Atrazine	<0.049		1.95	2.43		ug/L		125	70 - 130
Benz(a)anthracene	<0.049		1.95	2.38		ug/L		122	70 - 130
Benzo[a]pyrene	<0.019		1.95	2.43		ug/L		125	70 - 130
Benzo[b]fluoranthene	<0.019	*+	1.95	2.52		ug/L		130	70 - 130
Benzo[g,h,i]perylene	<0.049		1.95	2.25		ug/L		116	70 - 130
Benzo[k]fluoranthene	<0.019		1.95	2.52		ug/L		129	70 - 130
beta-BHC	<0.097		1.95	2.09		ug/L		108	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.95	2.04		ug/L		105	70 - 130
Bromacil	<0.097		1.95	2.38		ug/L		122	70 - 130
Butachlor	<0.049	^3+	1.95	2.41		ug/L		124	70 - 130
Butylbenzylphthalate	<0.49		1.95	2.39		ug/L		123	70 - 130
Chlorobenzilate	<0.097		1.95	2.48		ug/L		127	70 - 130
Chloroneb	<0.097		1.95	2.05		ug/L		105	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097	^3+	1.95	2.28		ug/L		117	70 - 130
Chlorpyrifos	<0.049		1.95	2.41		ug/L		124	70 - 130
Chrysene	<0.019		1.95	2.11		ug/L		108	70 - 130
delta-BHC	<0.097		1.95	2.07		ug/L		106	70 - 130
Di(2-ethylhexyl)adipate	<0.58	^3+	1.95	2.24		ug/L		107	70 - 130

QC Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: 380-63647-2 MS

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 56640

Prep Batch: 56545

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Dibenz(a,h)anthracene	<0.049		1.95	2.28		ug/L		117	70 - 130
Diclorvos (DDVP)	<0.049		1.95	2.36		ug/L		121	70 - 130
Dieldrin	<0.19		1.95	2.31		ug/L		119	70 - 130
Diethylphthalate	<0.49		1.95	2.16		ug/L		111	70 - 130
Dimethylphthalate	<0.49		1.95	2.20		ug/L		113	70 - 130
Di-n-butyl phthalate	<0.97		3.89	4.93		ug/L		124	70 - 130
Di-n-octyl phthalate	<0.097		1.95	1.93		ug/L		99	70 - 130
Endosulfan I (Alpha)	<0.097		1.95	1.97		ug/L		101	70 - 130
Endosulfan II (Beta)	<0.097		1.95	2.21		ug/L		114	70 - 130
Endosulfan sulfate	<0.097		1.95	2.41		ug/L		124	70 - 130
Endrin	<0.097	F1	1.95	2.56	F1	ug/L		132	70 - 130
Endrin aldehyde	<0.097		1.95	2.03		ug/L		104	70 - 130
EPTC	<0.097		1.95	2.27		ug/L		117	70 - 130
Fluoranthene	<0.097		1.95	2.20		ug/L		113	70 - 130
Fluorene	<0.049		1.95	2.22		ug/L		114	70 - 130
gamma-Chlordane	<0.049		1.95	1.99		ug/L		102	70 - 130
Heptachlor	<0.039		1.95	2.43		ug/L		125	70 - 130
Heptachlor epoxide (isomer B)	<0.049		1.95	2.06		ug/L		106	70 - 130
Hexachlorobenzene	<0.049		1.95	2.12		ug/L		109	70 - 130
Hexachlorocyclopentadiene	<0.049		1.95	2.14		ug/L		110	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.95	2.25		ug/L		116	70 - 130
Isophorone	<0.49		1.95	2.07		ug/L		106	70 - 130
Lindane	<0.039		1.95	2.07		ug/L		106	70 - 130
Malathion	<0.097		1.95	2.29		ug/L		118	70 - 130
Methoxychlor	<0.097		1.95	2.39		ug/L		123	70 - 130
Metolachlor	<0.049		1.95	2.46		ug/L		127	70 - 130
Molinate	<0.097		1.95	2.27		ug/L		117	70 - 130
Naphthalene	<0.29		1.95	2.12		ug/L		109	70 - 130
Parathion	<0.097	F1 *+	1.95	2.63	F1	ug/L		135	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.95	2.52		ug/L		129	70 - 130
Phenanthrene	<0.039		1.95	2.02		ug/L		104	70 - 130
Propachlor	<0.049		1.95	2.39		ug/L		123	70 - 130
Pyrene	<0.049		1.95	2.30		ug/L		118	70 - 130
Simazine	<0.049		1.95	2.50		ug/L		129	70 - 130
Terbacil	<0.097		1.95	2.32		ug/L		119	70 - 130
Terbutylazine	<0.097		1.95	2.36		ug/L		121	70 - 130
Thiobencarb	<0.19		1.95	2.45		ug/L		126	70 - 130
trans-Nonachlor	<0.049		1.95	2.13		ug/L		109	70 - 130
Trifluralin	<0.097		1.95	2.15		ug/L		111	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	100		70 - 130
Perylene-d12	100		70 - 130
Triphenylphosphate	108		70 - 130

QC Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: 380-63647-4 DU
Matrix: Drinking Water
Analysis Batch: 56640

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065) P1
Prep Type: Total/NA
Prep Batch: 56545

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
1-Methylnaphthalene	<0.098		<0.097		ug/L		NC	20
2,4'-DDD	<0.098		<0.097		ug/L		NC	20
2,4'-DDE	<0.098		<0.097		ug/L		NC	20
2,4'-DDT	<0.098		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.098		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.098		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.098		<0.097		ug/L		NC	20
4,4'-DDD	<0.098		<0.097		ug/L		NC	20
4,4'-DDE	<0.098		<0.097		ug/L		NC	20
4,4'-DDT	<0.098		<0.097		ug/L		NC	20
Acenaphthene	<0.098		<0.097		ug/L		NC	20
Acenaphthylene	<0.098		<0.097		ug/L		NC	20
Acetochlor	<0.098		<0.097		ug/L		NC	20
Alachlor	<0.049		<0.048		ug/L		NC	20
alpha-BHC	<0.098		<0.097		ug/L		NC	20
alpha-Chlordane	<0.049		<0.048		ug/L		NC	20
Anthracene	<0.020		<0.019		ug/L		NC	20
Atrazine	<0.049		<0.048		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.048		ug/L		NC	20
Benzo[a]pyrene	<0.020		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.020	*+	<0.019	*+	ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.048		ug/L		NC	20
Benzo[k]fluoranthene	<0.020		<0.019		ug/L		NC	20
beta-BHC	<0.098		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.59		<0.58		ug/L		NC	20
Bromacil	<0.098		<0.097		ug/L		NC	20
Butachlor	<0.049	^3+	<0.048		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.48		ug/L		NC	20
Chlorobenzilate	<0.098		<0.097		ug/L		NC	20
Chloroneb	<0.098		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.098	^3+	<0.097		ug/L		NC	20
Chlorpyrifos	<0.049		<0.048		ug/L		NC	20
Chrysene	<0.020		<0.019		ug/L		NC	20
delta-BHC	<0.098		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.59	^3+	<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.048		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.048		ug/L		NC	20
Dieldrin	<0.20		<0.19		ug/L		NC	20
Diethylphthalate	<0.49		<0.48		ug/L		NC	20
Dimethylphthalate	<0.49		<0.48		ug/L		NC	20
Di-n-butyl phthalate	<0.98		<0.97		ug/L		NC	20
Di-n-octyl phthalate	<0.098		<0.097		ug/L		NC	20
Endosulfan I (Alpha)	<0.098		<0.097		ug/L		NC	20
Endosulfan II (Beta)	<0.098		<0.097		ug/L		NC	20
Endosulfan sulfate	<0.098		<0.097		ug/L		NC	20
Endrin	<0.098		<0.097		ug/L		NC	20
Endrin aldehyde	<0.098		<0.097		ug/L		NC	20
EPTC	<0.098		<0.097		ug/L		NC	20

QC Sample Results

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

Job ID: 380-63647-1

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

Lab Sample ID: 380-63647-4 DU
Matrix: Drinking Water
Analysis Batch: 56640

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065) P1
Prep Type: Total/NA
Prep Batch: 56545

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoranthene	<0.098		<0.097		ug/L		NC	20
Fluorene	<0.049		<0.048		ug/L		NC	20
gamma-Chlordane	<0.049		<0.048		ug/L		NC	20
Heptachlor	<0.039		<0.039		ug/L		NC	20
Heptachlor epoxide (isomer B)	<0.049		<0.048		ug/L		NC	20
Hexachlorobenzene	<0.049		<0.048		ug/L		NC	20
Hexachlorocyclopentadiene	<0.049		<0.048		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.049		<0.048		ug/L		NC	20
Isophorone	<0.49		<0.48		ug/L		NC	20
Lindane	<0.039		<0.039		ug/L		NC	20
Malathion	<0.098		<0.097		ug/L		NC	20
Methoxychlor	<0.098		<0.097		ug/L		NC	20
Metolachlor	<0.049		<0.048		ug/L		NC	20
Molinate	<0.098		<0.097		ug/L		NC	20
Naphthalene	<0.29		<0.29		ug/L		NC	20
Parathion	<0.098	*+	<0.097	*+	ug/L		NC	20
Pendimethalin (Penoxaline)	<0.098		<0.097		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.049		<0.048		ug/L		NC	20
Pyrene	<0.049		<0.048		ug/L		NC	20
Simazine	<0.049		<0.048		ug/L		NC	20
Terbacil	<0.098		<0.097		ug/L		NC	20
Terbutylazine	<0.098		<0.097		ug/L		NC	20
Thiobencarb	<0.20		<0.19		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.20		<0.19		ug/L		NC	20
trans-Nonachlor	<0.049		<0.048		ug/L		NC	20
Trifluralin	<0.098		<0.097		ug/L		NC	20

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

QC Association Summary

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

Job ID: 380-63647-1

GC/MS Semi VOA

Prep Batch: 56545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-63647-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	
380-63647-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
380-63647-3	AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	Total/NA	Drinking Water	525.2	
380-63647-4	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	525.2	
MB 380-56545/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-56545/23-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-56545/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-56545/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-63647-2 MS	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
380-63647-4 DU	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	525.2	

Analysis Batch: 56640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-63647-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	56545
380-63647-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	56545
380-63647-3	AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	Total/NA	Drinking Water	525.2	56545
380-63647-4	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	525.2	56545
MB 380-56545/21-A	Method Blank	Total/NA	Water	525.2	56545
LCS 380-56545/23-A	Lab Control Sample	Total/NA	Water	525.2	56545
LCSD 380-56545/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	56545
MRL 380-56545/22-A	Lab Control Sample	Total/NA	Water	525.2	56545
380-63647-2 MS	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	56545
380-63647-4 DU	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	525.2	56545

Lab Chronicle

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

Job ID: 380-63647-1

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

Lab Sample ID: 380-63647-1

Date Collected: 09/18/23 10:15

Matrix: Drinking Water

Date Received: 09/20/23 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			56545	N8NE	EA POM	09/21/23 19:59
Total/NA	Analysis	525.2		1	56640	Q8LA	EA POM	09/22/23 18:52

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

Lab Sample ID: 380-63647-2

Date Collected: 09/18/23 11:12

Matrix: Drinking Water

Date Received: 09/20/23 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			56545	N8NE	EA POM	09/21/23 19:59
Total/NA	Analysis	525.2		1	56640	Q8LA	EA POM	09/22/23 19:12

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) P2

Lab Sample ID: 380-63647-3

Date Collected: 09/18/23 11:49

Matrix: Drinking Water

Date Received: 09/20/23 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			56545	N8NE	EA POM	09/21/23 19:59
Total/NA	Analysis	525.2		1	56640	Q8LA	EA POM	09/22/23 19:32

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

Lab Sample ID: 380-63647-4

Date Collected: 09/18/23 10:43

Matrix: Drinking Water

Date Received: 09/20/23 10:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			56545	N8NE	EA POM	09/21/23 19:59
Total/NA	Analysis	525.2		1	56640	Q8LA	EA POM	09/22/23 19:52

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

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

Job ID: 380-63647-1

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	01-31-24

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	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	Acenaphthene
525.2	525.2	Drinking Water	Acenaphthylene
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	Anthracene
525.2	525.2	Drinking Water	Benz(a)anthracene
525.2	525.2	Drinking Water	Benzo[b]fluoranthene
525.2	525.2	Drinking Water	Benzo[g,h,i]perylene
525.2	525.2	Drinking Water	Benzo[k]fluoranthene
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Bromacil
525.2	525.2	Drinking Water	Butylbenzylphthalate
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	Chrysene
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Dibenz(a,h)anthracene
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Diethylphthalate
525.2	525.2	Drinking Water	Dimethylphthalate
525.2	525.2	Drinking Water	Di-n-butyl phthalate
525.2	525.2	Drinking Water	Di-n-octyl phthalate
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	Fluoranthene
525.2	525.2	Drinking Water	Fluorene
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Indeno[1,2,3-cd]pyrene
525.2	525.2	Drinking Water	Isophorone

Accreditation/Certification Summary

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

Job ID: 380-63647-1

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
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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	Malathion
525.2	525.2	Drinking Water	Molinate
525.2	525.2	Drinking Water	Naphthalene
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Phenanthrene
525.2	525.2	Drinking Water	Pyrene
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbutylazine
525.2	525.2	Drinking Water	Thiobencarb
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking Water	trans-Nonachlor
525.2	525.2	Drinking Water	Trifluralin



Method Summary

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

Job ID: 380-63647-1

Method	Method Description	Protocol	Laboratory
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	EA POM
525.2	Extraction of Semivolatile Compounds	EPA	EA POM

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100



Sample Summary

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

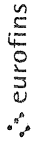
Job ID: 380-63647-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-63647-1	MOANALUA WELLS (331-223-TP202)	Drinking Water	09/18/23 10:15	09/20/23 10:35	HI0000331
380-63647-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	09/18/23 11:12	09/20/23 10:35	HI0000331
380-63647-3	AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) P2	Drinking Water	09/18/23 11:49	09/20/23 10:35	HI0000331
380-63647-4	HALAWA WELLS UNITS 1 & 2 (331-206-TP065) P1	Drinking Water	09/18/23 10:43	09/20/23 10:35	HI0000331

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

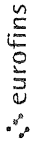
Chain of Custody Record



Client Information		Lab PM Arada, Rachelle		Carrier Tracking No(s) 380-27941-2757 2	
Client Contact: Dr. Ron Fenstermacher		E-Mail Rachelle.Arada@et.euronisus.com		Page Page 1 of 2	
Company City & County of Honolulu		PWSID		Job #	
Address 630 South Beretania Street, Chemistry Lab		Due Date Requested		Preservation Codes	
City Honolulu		TAT Requested (days)		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 Other	
State, Zip HI, 96843		Compliance Project Δ No		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 - Trnzma Z - other (specify)	
Phone 808-748-5091 (tel)		PO # C20525101 exp 05312023		Total Number of containers	
Email rfenstermacher@hbws.org		WO #		Special Instructions/Note:	
Project Name RED-HILL/HBWS sites Event Desc: RUSH Weekly Red Hill		Project # 38001111		1 OUT OF 2 LITER 8015 DIESEL ARMORY BURNER - GR 09/20/2023	
Site		SSOW#			
Sample Identification		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code	RA	Y
18-Sep-2023	1015	G	Water	2	4
18-Sep-2023	1112	G	Water	2	4
18-Sep-2023	1149	G	Water	2	4
18-Sep-2023	1043	G	Water	2	4
TB MOANALUA WELLS		Water		2	2
TB AIEA GULCH WELLS PUMP2		Water		2	2
TB AIEA WELLS PUMPS 1&2 (260) P2		Water		2	2
TB AIEA WELLS PUMPS 1&2 (260)		Water		2	2
TB HALAWA WELLS UNITS 1&2		Water		2	2
TB MOANALUA WELLS		Water		2	2
TB AIEA GULCH WELLS PUMP2		Water		2	2
TB AIEA WELLS PUMPS 1&2 (260)		Water		2	2
TB HALAWA WELLS UNITS 1&2		Water		2	2
TB MOANALUA WELLS		Water		2	2
TB AIEA GULCH WELLS PUMP2		Water		2	2
TB AIEA WELLS PUMPS 1&2 (260)		Water		2	2
TB HALAWA WELLS UNITS 1&2		Water		2	2
TB MOANALUA WELLS		Water		2	2
TB AIEA GULCH WELLS PUMP2		Water		2	2
TB AIEA WELLS PUMPS 1&2 (260)		Water		2	2
TB HALAWA WELLS UNITS 1&2		Water		2	2
TB MOANALUA WELLS		Water		2	2
TB AIEA GULCH WELLS PUMP2		Water		2	2
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TB MOANALUA WELLS		Water		2	2
TB AIEA GULCH WELLS PUMP2		Water		2	2
TB AIEA WELLS PUMPS 1&2 (260)		Water		2	2
TB HALAWA WELLS UNITS 1&2		Water		2	2
TB MOANALUA WELLS		Water		2	

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

Chain of Custody Record



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Client Information		Lab P/W Arada, Rachelle		Carrier Tracking No(s)		COC No 380-27941-2757 2		
Client Contact: Dr. Ron Fenstermacher		E-Mail Rachelle.Arada@et-euronisus.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		SUBCONTRACT - 8915 Diesel LL (EAL) and Motor Oil		Preservation Codes		
City Honolulu		TAT Requested (days)		SUBCONTRACT - 8015 Gas (Purgeable) LL (EAL)		A - HCL M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - PH 4.5 Y - Trizma Z - other (specify)		
State/Zip HI, 96843		Compliance Project Δ No		SUBCONTRACT - 8015 Gas (Purgeable) LL (EAL)		Other		
Phone 808-748-5091 (tel)		PO # C20525101 exp. 05312023		SUBCONTRACT - 825 PAH Physis LL (EAL) + TICs		Total Number of Containers		
Email rfenstermacher@hbws.org		WO #		SUBCONTRACT - 8015 Gas (Purgeable) LL (EAL)		Special Instructions/Note:		
Project Name RED-HILL/HBWS sites Event Desc. RUSH Weekly Red Hill		Project # 38001111		SUBCONTRACT - (MOD) 525plus PLUS TICs				
Site		SSOW#		537 1_DW_PREC - 537 1 Full List				
Sample Identification		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)				
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, Air)	RA	Y	N
MOANALUA WELLS	18-Sep-2023	015	G		Water		3	3
AIEA GULCH WELLS PUMP2	18-Sep-2023	1112	G		Water		3	3
AIEA WELLS PUMPS 1&2 (260)P2	18-Sep-2023	1149	G		Water		3	3
HALAWA WELLS UNITS 1&2 P1	18-Sep-2023	1043	G		Water		3	3
FB MOANALUA WELLS	18-Sep-2023	1015			Water		1	1
FB AIEA GULCH WELLS PUMP2	18-Sep-2023	1112			Water		1	1
FB AIEA WELLS PUMPS 1&2 (260)	18-Sep-2023	1149			Water		1	1
FB HALAWA WELLS UNITS 1&2	18-Sep-2023	1043			Water		1	1
Possible Hazard Identification		Date/Time		Date		Time		
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested I, II, III, IV, Other (specify)		Empty Kit Relinquished by		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Relinquished by		Date/Time		Date/Time		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months		
Relinquished by		Date/Time		Date/Time		Special Instructions/QC Requirements		
Relinquished by		Date/Time		Date/Time		Method of Shipment: FEDEX 37734 6622 4770		
Custody Seals Intact: Δ Yes Δ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks		Company		
Relinquished by		Date/Time		Date/Time		Company		
Relinquished by		Date/Time		Date/Time		Company		
Relinquished by		Date/Time		Date/Time		Company		

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-63647-1

Login Number: 63647
List Number: 1
Creator: Segura, Ryan

List Source: Eurofins Eaton Analytical Pomona

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