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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

RED-HILL
Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

JOB NUMBER

380-187025-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater West, 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
Maria Lopez, Project Manager
Maria.Lopez@et.eurofinsus.com
(626)386-1100

Table of Contents

Definitions/Glossary

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

Job ID: 380-187025-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
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.

Glossary

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

Job Narrative
380-187025-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 12/10/2025 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 1.7°C and 3.3°C.

GC/MS Semi VOA
Method 625.1: The surrogate recovery for the blank associated with preparation batch 570-668516 and analytical batch 570-676240 was outside the control limits. Method Blank (MB) results were ND but MB's average surrogate recoveries of 6 surrogates were about 2x lower than the acceptance limits of the surrogates. Low biased MB will not have impact on Halawa Wells Units 1 & 2 P1 (380-187025-1) and Aiea Wells Pumps 1 & 2 (260) (380-187025-3) samples since all target analytes by 625.1 were Non detect in the sample. (XWB4)

Method 625.1_SIM: The surrogate recovery for the blank associated with preparation batch 570-668516 and analytical batch 570-673714 was outside control limits. Method Blank (MB) results were ND but MB's average surrogate recoveries of 6 surrogates were about 2x lower than the acceptance limits of the surrogates. Low biased MB will not have impact on Halawa Wells Units 1 & 2 P1 (380-187025-1) and Aiea Wells Pumps 1 & 2 (260) (380-187025-3) samples since all target analytes by 625.1 were Non detect in the sample. (XWB4)

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: 8015 DRO results for collected HALAWA WELLS UNITS 1 & 2 P1 (380-187025-1) on 12/08/25 are a resample for HALAWA WELLS UNITS 1 & 2 P1 (380-185646-1) collected on 12/1/25. (XWB4)

Method 8015B_DRO_LL_CS: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 570-669844 and analytical batch 570-674105 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Detection Summary

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

Job ID: 380-187025-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 — Lab Sample ID: 380-187025-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.032		0.0097		ug/L	1		525.2	Total/NA

Client Sample ID: TB: HALAWA WELLS UNITS 1 & 2 — Lab Sample ID: 380-187025-2

No Detections.

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2 — Lab Sample ID: 380-187025-3

No Detections.

Client Sample ID: TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) — Lab Sample ID: 380-187025-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1

Date Collected: 12/08/25 10:12
Date Received: 12/10/25 09:42

Lab Sample ID: 380-187025-1

Matrix: Water

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		12/11/25 08:04	12/14/25 15:42	1
2,4'-DDD	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
2,4'-DDE	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
2,4'-DDT	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
2,4-Dinitrotoluene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
2,6-Dinitrotoluene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
2-Methylnaphthalene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
4,4'-DDD	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
4,4'-DDE	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
4,4'-DDT	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Acenaphthene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Acenaphthylene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Acetochlor	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Alachlor	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
alpha-BHC	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
alpha-Chlordane	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Anthracene	<0.019		0.019		ug/L		12/11/25 08:04	12/14/25 15:42	1
Atrazine	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Benz(a)anthracene	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Benzo[a]pyrene	<0.019		0.019		ug/L		12/11/25 08:04	12/14/25 15:42	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		12/11/25 08:04	12/14/25 15:42	1
Benzo[g,h,i]perylene	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		12/11/25 08:04	12/14/25 15:42	1
beta-BHC	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		12/11/25 08:04	12/14/25 15:42	1
Bromacil	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Butachlor	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Butylbenzylphthalate	<0.48		0.48		ug/L		12/11/25 08:04	12/14/25 15:42	1
Chlorobenzilate	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Chloroneb	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Chlorpyrifos	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Chrysene	<0.019		0.019		ug/L		12/11/25 08:04	12/14/25 15:42	1
delta-BHC	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		12/11/25 08:04	12/14/25 15:42	1
Dibenz(a,h)anthracene	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Diclorvos (DDVP)	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Dieldrin	**0.032**		0.0097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Diethylphthalate	<0.48		0.48		ug/L		12/11/25 08:04	12/14/25 15:42	1
Dimethylphthalate	<0.48		0.48		ug/L		12/11/25 08:04	12/14/25 15:42	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		12/11/25 08:04	12/14/25 15:42	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Endosulfan sulfate	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Endrin	<0.0097		0.0097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Endrin aldehyde	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
EPTC	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1

Date Collected: 12/08/25 10:12
Date Received: 12/10/25 09:42

Lab Sample ID: 380-187025-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Fluorene	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
gamma-Chlordane	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Heptachlor	<0.0097		0.0097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Hexachlorobenzene	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Hexachlorocyclopentadiene	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Isophorone	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Lindane	<0.0097		0.0097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Malathion	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Methoxychlor	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Metolachlor	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Molinate	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Naphthalene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Parathion	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Phenanthrene	<0.039		0.039		ug/L		12/11/25 08:04	12/14/25 15:42	1
Propachlor	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Pyrene	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Simazine	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Terbacil	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Terbuthylazine	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Thiobencarb	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		12/11/25 08:04	12/14/25 15:42	1
trans-Nonachlor	<0.048		0.048		ug/L		12/11/25 08:04	12/14/25 15:42	1
Trifluralin	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 15:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*12/11/25 08:04*	*12/14/25 15:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*92*		*70 - 130*	*12/11/25 08:04*	*12/14/25 15:42*	*1*
Perylene-d12	*95*		*70 - 130*	*12/11/25 08:04*	*12/14/25 15:42*	*1*
Triphenylphosphate	*126*		*70 - 130*	*12/11/25 08:04*	*12/14/25 15:42*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
2-Methylnaphthalene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Acenaphthene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Acenaphthylene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Anthracene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Benzo[a]anthracene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Benzo[a]pyrene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Chrysene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1

Date Collected: 12/08/25 10:12
Date Received: 12/10/25 09:42

Lab Sample ID: 380-187025-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Fluoranthene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Fluorene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Naphthalene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Phenanthrene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1
Pyrene	<0.19		0.19		ug/L		12/11/25 12:16	12/22/25 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*28 - 127*	*12/11/25 12:16*	*12/22/25 15:17*	*1*
2-Fluorobiphenyl (Surr)	*89*		*31 - 120*	*12/11/25 12:16*	*12/22/25 15:17*	*1*
2-Fluorophenol (Surr)	*54*		*17 - 120*	*12/11/25 12:16*	*12/22/25 15:17*	*1*
Nitrobenzene-d5 (Surr)	*87*		*27 - 120*	*12/11/25 12:16*	*12/22/25 15:17*	*1*
Phenol-d6 (Surr)	*34*		*10 - 120*	*12/11/25 12:16*	*12/22/25 15:17*	*1*
p-Terphenyl-d14 (Surr)	*77*		*45 - 120*	*12/11/25 12:16*	*12/22/25 15:17*	*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*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*12/11/25 12:16*	*12/29/25 12:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*33 - 139*	*12/11/25 12:16*	*12/29/25 12:51*	*1*
2-Fluorobiphenyl (Surr)	*91*		*33 - 126*	*12/11/25 12:16*	*12/29/25 12:51*	*1*
2-Fluorophenol (Surr)	*57*		*12 - 120*	*12/11/25 12:16*	*12/29/25 12:51*	*1*
Nitrobenzene-d5 (Surr)	*100*		*36 - 120*	*12/11/25 12:16*	*12/29/25 12:51*	*1*
Phenol-d6 (Surr)	*30*		*10 - 120*	*12/11/25 12:16*	*12/29/25 12:51*	*1*
p-Terphenyl-d14 (Surr)	*81*		*47 - 131*	*12/11/25 12:16*	*12/29/25 12:51*	*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			12/20/25 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*38 - 134*		*12/20/25 13:43*	*1*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26		ug/L		12/14/25 10:45	12/22/25 19:09	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		12/14/25 10:45	12/22/25 19:09	1
C8-C18	<26		26		ug/L		12/14/25 10:45	12/22/25 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*108*		*60 - 130*	*12/14/25 10:45*	*12/22/25 19:09*	*1*

Client Sample ID: TB: HALAWA WELLS UNITS 1 & 2

Lab Sample ID: 380-187025-2
Date Collected: 12/08/25 10:12
Matrix: Water
Date Received: 12/10/25 09:42

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			12/20/25 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*		*12/20/25 20:41*	*1*

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2

Lab Sample ID: 380-187025-3
Date Collected: 12/08/25 11:26
Matrix: Water
Date Received: 12/10/25 09:42

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		12/11/25 08:04	12/14/25 16:03	1
2,4'-DDD	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
2,4'-DDE	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
2,4'-DDT	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
2,4-Dinitrotoluene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
2,6-Dinitrotoluene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
2-Methylnaphthalene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
4,4'-DDD	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
4,4'-DDE	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
4,4'-DDT	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Acenaphthene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Acenaphthylene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Acetochlor	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Alachlor	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
alpha-BHC	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
alpha-Chlordane	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Anthracene	<0.019		0.019		ug/L		12/11/25 08:04	12/14/25 16:03	1
Atrazine	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Benz(a)anthracene	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Benzo[a]pyrene	<0.019		0.019		ug/L		12/11/25 08:04	12/14/25 16:03	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		12/11/25 08:04	12/14/25 16:03	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		12/11/25 08:04	12/14/25 16:03	1
beta-BHC	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		12/11/25 08:04	12/14/25 16:03	1
Bromacil	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Butachlor	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Butylbenzylphthalate	<0.49		0.49		ug/L		12/11/25 08:04	12/14/25 16:03	1
Chlorobenzilate	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Chloroneb	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Chlorpyrifos	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Chrysene	<0.019		0.019		ug/L		12/11/25 08:04	12/14/25 16:03	1
delta-BHC	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		12/11/25 08:04	12/14/25 16:03	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Dieldrin	<0.0097		0.0097		ug/L		12/11/25 08:04	12/14/25 16:03	1

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2

Date Collected: 12/08/25 11:26
Date Received: 12/10/25 09:42

Lab Sample ID: 380-187025-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diethylphthalate	<0.49		0.49		ug/L		12/11/25 08:04	12/14/25 16:03	1
Dimethylphthalate	<0.49		0.49		ug/L		12/11/25 08:04	12/14/25 16:03	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		12/11/25 08:04	12/14/25 16:03	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Endosulfan sulfate	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Endrin	<0.0097		0.0097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Endrin aldehyde	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
EPTC	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Fluoranthene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Fluorene	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
gamma-Chlordane	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Heptachlor	<0.0097		0.0097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Hexachlorobenzene	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Isophorone	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Lindane	<0.0097		0.0097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Malathion	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Methoxychlor	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Metolachlor	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Molinate	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Naphthalene	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Parathion	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Phenanthrene	<0.039		0.039		ug/L		12/11/25 08:04	12/14/25 16:03	1
Propachlor	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Pyrene	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Simazine	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Terbacil	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Terbuthylazine	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Thiobencarb	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		12/11/25 08:04	12/14/25 16:03	1
trans-Nonachlor	<0.049		0.049		ug/L		12/11/25 08:04	12/14/25 16:03	1
Trifluralin	<0.097		0.097		ug/L		12/11/25 08:04	12/14/25 16:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*12/11/25 08:04*	*12/14/25 16:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*93*		*70 - 130*	*12/11/25 08:04*	*12/14/25 16:03*	*1*
Perylene-d12	*95*		*70 - 130*	*12/11/25 08:04*	*12/14/25 16:03*	*1*
Triphenylphosphate	*121*		*70 - 130*	*12/11/25 08:04*	*12/14/25 16:03*	*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		12/11/25 12:16	12/26/25 10:18	1

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2

Date Collected: 12/08/25 11:26
Date Received: 12/10/25 09:42

Lab Sample ID: 380-187025-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Acenaphthene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Acenaphthylene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Anthracene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Benzo[a]anthracene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Benzo[a]pyrene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Chrysene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Fluoranthene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Fluorene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Naphthalene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Phenanthrene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1
Pyrene	<0.19		0.19		ug/L		12/11/25 12:16	12/26/25 10:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*28 - 127*	*12/11/25 12:16*	*12/26/25 10:18*	*1*
2-Fluorobiphenyl (Surr)	*84*		*31 - 120*	*12/11/25 12:16*	*12/26/25 10:18*	*1*
2-Fluorophenol (Surr)	*51*		*17 - 120*	*12/11/25 12:16*	*12/26/25 10:18*	*1*
Nitrobenzene-d5 (Surr)	*86*		*27 - 120*	*12/11/25 12:16*	*12/26/25 10:18*	*1*
Phenol-d6 (Surr)	*32*		*10 - 120*	*12/11/25 12:16*	*12/26/25 10:18*	*1*
p-Terphenyl-d14 (Surr)	*76*		*45 - 120*	*12/11/25 12:16*	*12/26/25 10:18*	*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*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*12/11/25 12:16*	*12/29/25 13:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*33 - 139*	*12/11/25 12:16*	*12/29/25 13:14*	*1*
2-Fluorobiphenyl (Surr)	*87*		*33 - 126*	*12/11/25 12:16*	*12/29/25 13:14*	*1*
2-Fluorophenol (Surr)	*63*		*12 - 120*	*12/11/25 12:16*	*12/29/25 13:14*	*1*
Nitrobenzene-d5 (Surr)	*94*		*36 - 120*	*12/11/25 12:16*	*12/29/25 13:14*	*1*
Phenol-d6 (Surr)	*31*		*10 - 120*	*12/11/25 12:16*	*12/29/25 13:14*	*1*
p-Terphenyl-d14 (Surr)	*82*		*47 - 131*	*12/11/25 12:16*	*12/29/25 13:14*	*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			12/20/25 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*38 - 134*		*12/20/25 16:17*	*1*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26		ug/L		12/14/25 10:45	12/22/25 19:30	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		12/14/25 10:45	12/22/25 19:30	1

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2

Lab Sample ID: 380-187025-3

Date Collected: 12/08/25 11:26
Matrix: Water
Date Received: 12/10/25 09:42

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) Low Level (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C8-C18	<26		26		ug/L		12/14/25 10:45	12/22/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*102*		*60 - 130*	*12/14/25 10:45*	*12/22/25 19:30*	*1*

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

Lab Sample ID: 380-187025-4

Date Collected: 12/08/25 11:26
Matrix: Water
Date Received: 12/10/25 09:42

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			12/20/25 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*38 - 134*		*12/20/25 21:03*	*1*

Action Limit Summary

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

Job ID: 380-187025-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 — Lab Sample ID: 380-187025-1

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Alachlor	<0.048		ug/L	2	0.048	525.2	Total/NA
Atrazine	<0.048		ug/L	3	0.048	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		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0097		ug/L	2	0.0097	525.2	Total/NA
Heptachlor	<0.0097		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Hexachlorobenzene	<0.048		ug/L	1	0.048	525.2	Total/NA
Hexachlorocyclopentadiene	<0.048		ug/L	50	0.048	525.2	Total/NA
Lindane	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Methoxychlor	<0.048		ug/L	40	0.048	525.2	Total/NA
Simazine	<0.048		ug/L	4	0.048	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2 — Lab Sample ID: 380-187025-3

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 Limit	RL	Method	Prep Type
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		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0097		ug/L	2	0.0097	525.2	Total/NA
Heptachlor	<0.0097		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0097		ug/L	0.2	0.0097	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	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-187025-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	2NMX (70-130)	PRY (70-130)	TPP (70-130)						
380-187018-I-1-A MS	Matrix Spike	95	95	113						
380-187025-1	HALAWA WELLS UNITS 1 & 2 P1	92	95	126						
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	93	95	121						
380-187062-Q-1-B DU	Duplicate	98	83	133 S1+						
LCS 380-191694/23-A	Lab Control Sample	99	94	126						
MB 380-191694/21-A	Method Blank	100	90	116						
MRL 380-191694/22-A	Lab Control Sample	98	82	124						

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)		
380-187025-1	HALAWA WELLS UNITS 1 & 2 F	88	91	57	100	30	81		
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	89	87	63	94	31	82		
MB 570-668516/1-A	Method Blank	12 S1-	12 S1-	14	19 S1-	8 S1-	19 S1-		

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)							
Lab Sample ID	Client Sample ID	TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)		
380-187025-1	HALAWA WELLS UNITS 1 & 2 F	91	89	54	87	34	77		
380-187025-1 MS	HALAWA WELLS UNITS 1 & 2	82	84	59	69	39	85		
380-187025-1 MSD	HALAWA WELLS UNITS 1 & 2	88	88	62	75	41	88		
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	89	84	51	86	32	76		
LCS 570-668516/2-A	Lab Control Sample	86	86	66	73	44	88		
LCSD 570-668516/3-A	Lab Control Sample Dup	82	83	60	70	39	83		
MB 570-668516/1-A	Method Blank	19 S1-	14 S1-	11 S1-	15 S1-	8 S1-	20 S1-		

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

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-187025-1	HALAWA WELLS UNITS 1 & 2 F	82
380-187025-1 MS	HALAWA WELLS UNITS 1 & 2	80
380-187025-1 MSD	HALAWA WELLS UNITS 1 & 2	85
380-187025-2	TB: HALAWA WELLS UNITS 1 & 2	87
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	91
380-187025-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	89
LCS 570-673280/4	Lab Control Sample	84
LCSD 570-673280/5	Lab Control Sample Dup	91
MB 570-673280/6	Method Blank	88
MRL 570-673280/3	Lab Control Sample	80

Surrogate Legend
BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-130)
380-187025-1	HALAWA WELLS UNITS 1 & 2 F	108
380-187025-1 MS	HALAWA WELLS UNITS 1 & 2	106
380-187025-1 MSD	HALAWA WELLS UNITS 1 & 2	115
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	102
LCS 570-669844/2-A	Lab Control Sample	102
LCSD 570-669844/3-A	Lab Control Sample Dup	91
MB 570-669844/1-A	Method Blank	108
MRL 570-669844/4-A	Lab Control Sample	86

Surrogate Legend
OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-191694/21-A
Matrix: Water
Analysis Batch: 192250

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191694

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
2,4'-DDD	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
2,4'-DDE	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
2,4'-DDT	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
2-Methylnaphthalene	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
4,4'-DDD	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
4,4'-DDE	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
4,4'-DDT	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Acenaphthene	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Acenaphthylene	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Acetochlor	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Alachlor	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
alpha-BHC	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
alpha-Chlordane	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Anthracene	<0.020		0.020		ug/L		12/11/25 08:04	12/14/25 08:54	1
Atrazine	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Benz(a)anthracene	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Benzo[a]pyrene	<0.020		0.020		ug/L		12/11/25 08:04	12/14/25 08:54	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		12/11/25 08:04	12/14/25 08:54	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		12/11/25 08:04	12/14/25 08:54	1
beta-BHC	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		12/11/25 08:04	12/14/25 08:54	1
Bromacil	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Butachlor	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Butylbenzylphthalate	<0.50		0.50		ug/L		12/11/25 08:04	12/14/25 08:54	1
Chlorobenzilate	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Chloroneb	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Chlorpyrifos	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Chrysene	<0.020		0.020		ug/L		12/11/25 08:04	12/14/25 08:54	1
delta-BHC	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		12/11/25 08:04	12/14/25 08:54	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Dieldrin	<0.0099		0.0099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Diethylphthalate	<0.50		0.50		ug/L		12/11/25 08:04	12/14/25 08:54	1
Dimethylphthalate	<0.50		0.50		ug/L		12/11/25 08:04	12/14/25 08:54	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		12/11/25 08:04	12/14/25 08:54	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Endosulfan sulfate	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Endrin	<0.0099		0.0099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Endrin aldehyde	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1

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

Lab Sample ID: MB 380-191694/21-A
Matrix: Water
Analysis Batch: 192250

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191694

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
EPTC	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Fluoranthene	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Fluorene	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
gamma-Chlordane	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Heptachlor	<0.0099		0.0099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Hexachlorobenzene	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Isophorone	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Lindane	<0.0099		0.0099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Malathion	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Methoxychlor	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Metolachlor	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Molinate	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Naphthalene	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Parathion	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Phenanthrene	<0.040		0.040		ug/L		12/11/25 08:04	12/14/25 08:54	1
Propachlor	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Pyrene	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Simazine	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Terbacil	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Terbuthylazine	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Thiobencarb	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		12/11/25 08:04	12/14/25 08:54	1
trans-Nonachlor	<0.050		0.050		ug/L		12/11/25 08:04	12/14/25 08:54	1
Trifluralin	<0.099		0.099		ug/L		12/11/25 08:04	12/14/25 08:54	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentene, 1,2,3,4,5-pentamethyl-	*0.962*	*T J N*	*ug/L*		*2.52*	*1000154-28-6*	*12/11/25 08:04*	*12/14/25 08:54*	*1*
Cyclotetrasiloxane, octamethyl-	*0.978*	*T J N*	*ug/L*		*2.72*	*556-67-2*	*12/11/25 08:04*	*12/14/25 08:54*	*1*
Unknown	*1.40*	*T J*	*ug/L*		*2.98*	*N/A*	*12/11/25 08:04*	*12/14/25 08:54*	*1*
Undecane	*3.36*	*T J N*	*ug/L*		*3.12*	*1120-21-4*	*12/11/25 08:04*	*12/14/25 08:54*	*1*
Hexadecane	*0.545*	*T J N*	*ug/L*		*3.76*	*544-76-3*	*12/11/25 08:04*	*12/14/25 08:54*	*1*
9-Octadecenamide, (Z)-	*2.92*	*T J N*	*ug/L*		*7.86*	*301-02-0*	*12/11/25 08:04*	*12/14/25 08:54*	*1*
Unknown	*0.618*	*T J*	*ug/L*		*14.90*	*N/A*	*12/11/25 08:04*	*12/14/25 08:54*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*100*		*70 - 130*	*12/11/25 08:04*	*12/14/25 08:54*	*1*
Perylene-d12	*90*		*70 - 130*	*12/11/25 08:04*	*12/14/25 08:54*	*1*
Triphenylphosphate	*116*		*70 - 130*	*12/11/25 08:04*	*12/14/25 08:54*	*1*

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

Lab Sample ID: LCS 380-191694/23-A
Matrix: Water
Analysis Batch: 192250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.99	1.64		ug/L		82	70 - 130
2,4'-DDD	1.99	1.97		ug/L		99	70 - 130
2,4'-DDE	1.99	1.91		ug/L		96	70 - 130
2,4'-DDT	1.99	1.77		ug/L		89	70 - 130
2,4-Dinitrotoluene	1.99	1.59		ug/L		80	70 - 130
2,6-Dinitrotoluene	1.99	1.82		ug/L		92	70 - 130
2-Methylnaphthalene	1.99	1.67		ug/L		84	70 - 130
4,4'-DDD	1.99	2.03		ug/L		102	70 - 130
4,4'-DDE	1.99	2.25		ug/L		113	70 - 130
4,4'-DDT	1.99	1.93		ug/L		97	70 - 130
Acenaphthene	1.99	1.97		ug/L		99	70 - 130
Acenaphthylene	1.99	1.78		ug/L		90	70 - 130
Acetochlor	1.99	2.24		ug/L		113	70 - 130
Alachlor	1.99	2.10		ug/L		106	70 - 130
alpha-BHC	1.99	1.86		ug/L		94	70 - 130
alpha-Chlordane	1.99	1.97		ug/L		99	70 - 130
Anthracene	1.99	1.61		ug/L		81	70 - 130
Atrazine	1.99	1.93		ug/L		97	70 - 130
Benz(a)anthracene	1.99	1.77		ug/L		89	70 - 130
Benzo[a]pyrene	1.99	1.78		ug/L		90	70 - 130
Benzo[b]fluoranthene	1.99	1.96		ug/L		99	70 - 130
Benzo[g,h,i]perylene	1.99	2.08		ug/L		105	70 - 130
Benzo[k]fluoranthene	1.99	1.82		ug/L		92	70 - 130
beta-BHC	1.99	2.09		ug/L		105	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	2.56		ug/L		129	70 - 130
Bromacil	1.99	1.85		ug/L		93	70 - 130
Butachlor	1.99	2.10		ug/L		106	70 - 130
Butylbenzylphthalate	1.99	2.53		ug/L		128	70 - 130
Chlorobenzilate	1.99	2.13		ug/L		107	70 - 130
Chloroneb	1.99	1.79		ug/L		90	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	1.79		ug/L		90	70 - 130
Chlorpyrifos	1.99	1.92		ug/L		97	70 - 130
Chrysene	1.99	1.70		ug/L		86	70 - 130
delta-BHC	1.99	1.94		ug/L		97	70 - 130
Di(2-ethylhexyl)adipate	1.99	2.36		ug/L		119	70 - 130
Dibenz(a,h)anthracene	1.99	2.03		ug/L		102	70 - 130
Diclorvos (DDVP)	1.99	2.00		ug/L		101	70 - 130
Dieldrin	1.99	1.85		ug/L		93	70 - 130
Diethylphthalate	1.99	2.05		ug/L		103	70 - 130
Dimethylphthalate	1.99	1.88		ug/L		95	70 - 130
Di-n-butyl phthalate	3.97	4.06		ug/L		102	70 - 130
Di-n-octyl phthalate	1.99	2.33		ug/L		118	70 - 130
Endosulfan I (Alpha)	1.99	1.92		ug/L		97	70 - 130
Endosulfan II (Beta)	1.99	1.97		ug/L		99	70 - 130
Endosulfan sulfate	1.99	1.96		ug/L		99	70 - 130
Endrin	1.99	1.98		ug/L		100	70 - 130
Endrin aldehyde	1.99	2.23		ug/L		112	60 - 130

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

Lab Sample ID: LCS 380-191694/23-A
Matrix: Water
Analysis Batch: 192250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
EPTC	1.99	1.92		ug/L		97	70 - 130
Fluoranthene	1.99	2.12		ug/L		107	70 - 130
Fluorene	1.99	1.74		ug/L		88	70 - 130
gamma-Chlordane	1.99	1.91		ug/L		96	70 - 130
Heptachlor	1.99	1.95		ug/L		98	70 - 130
Heptachlor epoxide (isomer B)	1.99	2.29		ug/L		116	70 - 130
Hexachlorobenzene	1.99	1.92		ug/L		97	70 - 130
Hexachlorocyclopentadiene	1.99	1.59		ug/L		80	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	2.02		ug/L		102	70 - 130
Isophorone	1.99	2.03		ug/L		102	70 - 130
Lindane	1.99	1.93		ug/L		97	70 - 130
Malathion	1.99	1.99		ug/L		100	70 - 130
Methoxychlor	1.99	1.95		ug/L		98	70 - 130
Metolachlor	1.99	1.93		ug/L		97	70 - 130
Molinate	1.99	1.87		ug/L		94	70 - 130
Naphthalene	1.99	1.87		ug/L		94	70 - 130
Parathion	1.99	2.19		ug/L		110	70 - 130
Pendimethalin (Penoxaline)	1.99	1.73		ug/L		87	70 - 130
Phenanthrene	1.99	1.86		ug/L		94	70 - 130
Propachlor	1.99	1.98		ug/L		100	70 - 130
Pyrene	1.99	2.05		ug/L		103	70 - 130
Simazine	1.99	1.72		ug/L		87	70 - 130
Terbacil	1.99	2.13		ug/L		107	70 - 130
Terbuthylazine	1.99	2.03		ug/L		103	70 - 130
Thiobencarb	1.99	2.14		ug/L		108	70 - 130
trans-Nonachlor	1.99	2.27		ug/L		114	70 - 130
Trifluralin	1.99	1.55		ug/L		78	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*94*		*70 - 130*
Triphenylphosphate	*126*		*70 - 130*

Lab Sample ID: MRL 380-191694/22-A
Matrix: Water
Analysis Batch: 192250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191694

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0995	0.0967	J	ug/L		97	50 - 150
2,4'-DDD	0.0995	0.0721	J	ug/L		72	50 - 150
2,4'-DDE	0.0995	0.0813	J	ug/L		82	50 - 150
2,4'-DDT	0.0995	0.0862	J	ug/L		87	50 - 150
2,4-Dinitrotoluene	0.0995	0.0896	J	ug/L		90	50 - 150
2,6-Dinitrotoluene	0.0995	0.104		ug/L		104	50 - 150
2-Methylnaphthalene	0.0995	0.0996		ug/L		100	50 - 150
4,4'-DDD	0.0995	0.0782	J	ug/L		79	50 - 150
4,4'-DDE	0.0995	0.0844	J	ug/L		85	50 - 150

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

Lab Sample ID: MRL 380-191694/22-A
Matrix: Water
Analysis Batch: 192250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191694

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDT	0.0995	0.102		ug/L		103	50 - 150
Acenaphthene	0.0995	0.0751	J	ug/L		75	50 - 150
Acenaphthylene	0.0995	0.0828	J	ug/L		83	50 - 150
Acetochlor	0.0995	0.108		ug/L		109	50 - 150
Alachlor	0.0497	0.0501		ug/L		101	50 - 150
alpha-BHC	0.0995	0.115		ug/L		116	50 - 150
alpha-Chlordane	0.0249	<0.029		ug/L		109	50 - 150
Anthracene	0.0199	<0.019		ug/L		90	50 - 150
Atrazine	0.0497	0.0487	J	ug/L		98	50 - 150
Benz(a)anthracene	0.0497	0.0547		ug/L		110	50 - 150
Benzo[a]pyrene	0.0199	0.0166	J	ug/L		83	50 - 150
Benzo[b]fluoranthene	0.0199	0.0167	J	ug/L		84	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0449	J	ug/L		90	50 - 150
Benzo[k]fluoranthene	0.0199	0.0187	J	ug/L		94	50 - 150
beta-BHC	0.0995	0.134		ug/L		134	50 - 150
Bis(2-ethylhexyl) phthalate	0.597	0.676		ug/L		113	50 - 150
Bromacil	0.0995	0.148		ug/L		149	50 - 150
Butachlor	0.0497	0.0517		ug/L		104	50 - 150
Butylbenzylphthalate	0.497	0.667		ug/L		134	50 - 150
Chlorobenzilate	0.0995	0.0957	J	ug/L		96	50 - 150
Chloroneb	0.0995	0.122		ug/L		123	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0995	0.0854	J	ug/L		86	50 - 150
Chlorpyrifos	0.0497	0.0670		ug/L		135	50 - 150
Chrysene	0.0199	0.0163	J	ug/L		82	50 - 150
delta-BHC	0.0995	0.124		ug/L		125	50 - 150
Di(2-ethylhexyl)adipate	0.597	0.707		ug/L		118	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0530		ug/L		107	50 - 150
Diclorvos (DDVP)	0.0497	0.0642		ug/L		129	50 - 150
Dieldrin	0.00995	0.00950	J	ug/L		96	50 - 150
Diethylphthalate	0.497	0.539		ug/L		108	50 - 150
Dimethylphthalate	0.497	0.493	J	ug/L		99	50 - 150
Di-n-butyl phthalate	0.497	0.471	J	ug/L		95	49 - 243
Di-n-octyl phthalate	0.0995	0.0972	J	ug/L		98	50 - 150
Endosulfan I (Alpha)	0.0995	0.127		ug/L		127	50 - 150
Endosulfan II (Beta)	0.0995	0.126		ug/L		127	50 - 150
Endosulfan sulfate	0.0995	0.0923	J	ug/L		93	50 - 150
Endrin	0.00995	0.0116		ug/L		117	50 - 150
Endrin aldehyde	0.0995	0.0869	J	ug/L		87	50 - 150
EPTC	0.0995	0.0867	J	ug/L		87	50 - 150
Fluoranthene	0.0995	0.117		ug/L		118	50 - 150
Fluorene	0.0497	<0.050		ug/L		97	50 - 150
gamma-Chlordane	0.0249	0.0226	J	ug/L		91	50 - 150
Heptachlor	0.00995	0.0100		ug/L		101	50 - 150
Heptachlor epoxide (isomer B)	0.00995	0.00908	J	ug/L		91	50 - 150
Hexachlorobenzene	0.0497	0.0505		ug/L		102	50 - 150
Hexachlorocyclopentadiene	0.0497	<0.038		ug/L		61	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0530		ug/L		107	50 - 150
Isophorone	0.0995	0.127		ug/L		127	50 - 150

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

Lab Sample ID: MRL 380-191694/22-A
Matrix: Water
Analysis Batch: 192250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191694

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Lindane	0.00995	0.0114		ug/L		114	50 - 150
Malathion	0.0995	0.0998		ug/L		100	50 - 150
Methoxychlor	0.0497	0.0599		ug/L		121	50 - 150
Metolachlor	0.0497	0.0523		ug/L		105	50 - 150
Molinate	0.0995	0.0964	J	ug/L		97	50 - 150
Naphthalene	0.0995	0.0788	J	ug/L		79	50 - 150
Parathion	0.0995	0.0982	J	ug/L		99	50 - 150
Pendimethalin (Penoxaline)	0.0995	0.0730	J	ug/L		73	50 - 150
Phenanthrene	0.0398	0.0431		ug/L		108	50 - 150
Propachlor	0.0497	0.0542		ug/L		109	50 - 150
Pyrene	0.0497	0.0617		ug/L		124	50 - 150
Simazine	0.0497	0.0547		ug/L		110	50 - 150
Terbacil	0.0995	0.0894	J	ug/L		90	50 - 150
Terbuthylazine	0.0995	0.103		ug/L		104	50 - 150
Thiobencarb	0.0995	0.118		ug/L		118	50 - 150
trans-Nonachlor	0.0249	0.0308	J	ug/L		124	50 - 150
Trifluralin	0.0995	0.0831	J	ug/L		84	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*82*		*70 - 130*
Triphenylphosphate	*124*		*70 - 130*

Lab Sample ID: 380-187018-I-1-A MS
Matrix: Water
Analysis Batch: 192249

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 191694

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.96	1.76		ug/L		89	70 - 130
2,4'-DDD	<0.097		1.96	2.04		ug/L		104	70 - 130
2,4'-DDE	<0.097		1.96	1.99		ug/L		102	70 - 130
2,4'-DDT	<0.097		1.96	2.06		ug/L		105	70 - 130
2,4-Dinitrotoluene	<0.097		1.96	1.81		ug/L		93	70 - 130
2,6-Dinitrotoluene	<0.097		1.96	1.84		ug/L		94	70 - 130
2-Methylnaphthalene	<0.097		1.96	1.76		ug/L		89	70 - 130
4,4'-DDD	<0.097		1.96	2.05		ug/L		105	70 - 130
4,4'-DDE	<0.097		1.96	2.04		ug/L		104	70 - 130
4,4'-DDT	<0.097		1.96	1.88		ug/L		96	70 - 130
Acenaphthene	<0.097		1.96	1.91		ug/L		98	70 - 130
Acenaphthylene	<0.097		1.96	1.83		ug/L		94	70 - 130
Acetochlor	<0.097		1.96	2.06		ug/L		106	70 - 130
Alachlor	<0.048		1.96	2.08		ug/L		106	70 - 130
alpha-BHC	<0.097		1.96	1.93		ug/L		99	70 - 130
alpha-Chlordane	<0.048		1.96	2.36		ug/L		119	70 - 130
Anthracene	<0.019	F1	1.96	1.06	F1	ug/L		54	70 - 130
Atrazine	<0.048		1.96	2.12		ug/L		108	70 - 130
Benz(a)anthracene	<0.048		1.96	1.73		ug/L		88	70 - 130

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

Lab Sample ID: 380-187018-I-1-A MS
Matrix: Water
Analysis Batch: 192249

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 191694

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	<0.019		1.96	1.58		ug/L		80	70 - 130
Benzo[b]fluoranthene	<0.019		1.96	1.95		ug/L		100	70 - 130
Benzo[g,h,i]perylene	<0.048		1.96	2.00		ug/L		102	70 - 130
Benzo[k]fluoranthene	<0.019		1.96	2.00		ug/L		102	70 - 130
beta-BHC	<0.097		1.96	1.96		ug/L		100	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.96	1.79		ug/L		92	70 - 130
Bromacil	<0.097		1.96	1.86		ug/L		93	70 - 130
Butachlor	<0.048		1.96	2.07		ug/L		106	70 - 130
Butylbenzylphthalate	<0.48		1.96	2.24		ug/L		114	70 - 130
Chlorobenzilate	<0.097		1.96	2.03		ug/L		104	70 - 130
Chloroneb	<0.097		1.96	1.87		ug/L		96	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.96	2.22		ug/L		113	70 - 130
Chlorpyrifos	<0.048		1.96	2.17		ug/L		111	70 - 130
Chrysene	<0.019		1.96	1.88		ug/L		96	70 - 130
delta-BHC	<0.097		1.96	1.91		ug/L		98	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.96	2.05		ug/L		105	70 - 130
Dibenz(a,h)anthracene	<0.048		1.96	1.82		ug/L		93	70 - 130
Diclorvos (DDVP)	<0.048		1.96	1.69		ug/L		86	70 - 130
Dieldrin	0.072		1.96	2.14		ug/L		106	70 - 130
Diethylphthalate	<0.48		1.96	2.12		ug/L		108	70 - 130
Dimethylphthalate	<0.48		1.96	2.04		ug/L		104	70 - 130
Di-n-butyl phthalate	<0.97		3.91	4.15		ug/L		106	70 - 130
Di-n-octyl phthalate	<0.097		1.96	1.72		ug/L		88	70 - 130
Endosulfan I (Alpha)	<0.097		1.96	1.91		ug/L		98	70 - 130
Endosulfan II (Beta)	<0.097		1.96	1.94		ug/L		99	70 - 130
Endosulfan sulfate	<0.097		1.96	2.19		ug/L		112	70 - 130
Endrin	<0.0097		1.96	2.14		ug/L		109	70 - 130
Endrin aldehyde	<0.097		1.96	1.62		ug/L		83	60 - 130
EPTC	<0.097		1.96	1.99		ug/L		102	70 - 130
Fluoranthene	<0.097		1.96	2.09		ug/L		107	70 - 130
Fluorene	<0.048		1.96	1.93		ug/L		98	70 - 130
gamma-Chlordane	<0.048		1.96	2.38		ug/L		120	70 - 130
Heptachlor	<0.0097		1.96	2.05		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	0.011		1.96	2.13		ug/L		108	70 - 130
Hexachlorobenzene	<0.048		1.96	2.11		ug/L		108	70 - 130
Hexachlorocyclopentadiene	<0.048		1.96	1.85		ug/L		94	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.96	2.01		ug/L		103	70 - 130
Isophorone	<0.097		1.96	1.95		ug/L		100	70 - 130
Lindane	<0.0097		1.96	1.94		ug/L		99	70 - 130
Malathion	<0.097		1.96	1.91		ug/L		98	70 - 130
Methoxychlor	<0.048		1.96	2.05		ug/L		105	70 - 130
Metolachlor	<0.048		1.96	1.96		ug/L		100	70 - 130
Molinate	<0.097		1.96	2.00		ug/L		102	70 - 130
Naphthalene	<0.097		1.96	1.87		ug/L		96	70 - 130
Parathion	<0.097		1.96	2.18		ug/L		111	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.96	2.06		ug/L		105	70 - 130
Phenanthrene	<0.039		1.96	1.89		ug/L		97	70 - 130
Propachlor	<0.048		1.96	2.10		ug/L		107	70 - 130

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

Lab Sample ID: 380-187018-I-1-A MS
Matrix: Water
Analysis Batch: 192249

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 191694

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	<0.048		1.96	2.04		ug/L		104	70 - 130
Simazine	<0.048		1.96	1.91		ug/L		98	70 - 130
Terbacil	<0.097		1.96	1.94		ug/L		99	70 - 130
Terbuthylazine	<0.097		1.96	2.24		ug/L		115	70 - 130
Thiobencarb	<0.097		1.96	2.09		ug/L		107	70 - 130
trans-Nonachlor	<0.048		1.96	2.30		ug/L		117	70 - 130
Trifluralin	<0.097		1.96	2.05		ug/L		105	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*113*		*70 - 130*

Lab Sample ID: 380-187062-Q-1-B DU
Matrix: Water
Analysis Batch: 192250

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 191694

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1-Methylnaphthalene	<0.097		<0.096		ug/L		NC	20
2,4'-DDD	<0.097		<0.096		ug/L		NC	20
2,4'-DDE	<0.097		<0.096		ug/L		NC	20
2,4'-DDT	<0.097		<0.096		ug/L		NC	20
2,4-Dinitrotoluene	<0.097		<0.096		ug/L		NC	20
2,6-Dinitrotoluene	<0.097		<0.096		ug/L		NC	20
2-Methylnaphthalene	<0.097		<0.096		ug/L		NC	20
4,4'-DDD	<0.097		<0.096		ug/L		NC	20
4,4'-DDE	<0.097		<0.096		ug/L		NC	20
4,4'-DDT	<0.097		<0.096		ug/L		NC	20
Acenaphthene	<0.097		<0.096		ug/L		NC	20
Acenaphthylene	<0.097		<0.096		ug/L		NC	20
Acetochlor	<0.097		<0.096		ug/L		NC	20
Alachlor	<0.048		<0.048		ug/L		NC	20
alpha-BHC	<0.097		<0.096		ug/L		NC	20
alpha-Chlordane	<0.048		<0.048		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.048		<0.048		ug/L		NC	20
Benz(a)anthracene	<0.048		<0.048		ug/L		NC	20
Benzo[a]pyrene	<0.019		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.048		<0.048		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.097		<0.096		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Bromacil	<0.097		<0.096		ug/L		NC	20
Butachlor	<0.048		<0.048		ug/L		NC	20
Butylbenzylphthalate	<0.48		<0.48		ug/L		NC	20
Chlorobenzilate	<0.097		<0.096		ug/L		NC	20

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

Lab Sample ID: 380-187062-Q-1-B DU
Matrix: Water
Analysis Batch: 192250

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 191694

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloroneb	<0.097			<0.096		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.097			<0.096		ug/L				NC	20
Chlorpyrifos	<0.048			<0.048		ug/L				NC	20
Chrysene	<0.019			<0.019		ug/L				NC	20
delta-BHC	<0.097			<0.096		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.58			<0.58		ug/L				NC	20
Dibenz(a,h)anthracene	<0.048			<0.048		ug/L				NC	20
Diclorvos (DDVP)	<0.048			<0.048		ug/L				NC	20
Dieldrin	<0.0097			<0.0096		ug/L				NC	20
Diethylphthalate	<0.48			<0.48		ug/L				NC	20
Dimethylphthalate	<0.48			<0.48		ug/L				NC	20
Di-n-butyl phthalate	<0.97			<0.96		ug/L				NC	20
Di-n-octyl phthalate	<0.097			<0.096		ug/L				NC	20
Endosulfan I (Alpha)	<0.097			<0.096		ug/L				NC	20
Endosulfan II (Beta)	<0.097			<0.096		ug/L				NC	20
Endosulfan sulfate	<0.097			<0.096		ug/L				NC	20
Endrin	<0.0097			<0.0096		ug/L				NC	20
Endrin aldehyde	<0.097			<0.096		ug/L				NC	20
EPTC	<0.097			<0.096		ug/L				NC	20
Fluoranthene	<0.097			<0.096		ug/L				NC	20
Fluorene	<0.048			<0.048		ug/L				NC	20
gamma-Chlordane	<0.048			<0.048		ug/L				NC	20
Heptachlor	<0.0097			<0.0096		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0097			<0.0096		ug/L				NC	20
Hexachlorobenzene	<0.048			<0.048		ug/L				NC	20
Hexachlorocyclopentadiene	<0.048			<0.048		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.048			<0.048		ug/L				NC	20
Isophorone	<0.097			<0.096		ug/L				NC	20
Lindane	<0.0097			<0.0096		ug/L				NC	20
Malathion	<0.097			<0.096		ug/L				NC	20
Methoxychlor	<0.048			<0.048		ug/L				NC	20
Metolachlor	<0.048			<0.048		ug/L				NC	20
Molinate	<0.097			<0.096		ug/L				NC	20
Naphthalene	<0.097			<0.096		ug/L				NC	20
Parathion	<0.097			<0.096		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.097			<0.096		ug/L				NC	20
Phenanthrene	<0.039			<0.038		ug/L				NC	20
Propachlor	<0.048			<0.048		ug/L				NC	20
Pyrene	<0.048			<0.048		ug/L				NC	20
Simazine	<0.048			<0.048		ug/L				NC	20
Terbacil	<0.097			<0.096		ug/L				NC	20
Terbuthylazine	<0.097			<0.096		ug/L				NC	20
Thiobencarb	<0.097			<0.096		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.19			<0.19		ug/L				NC	20
trans-Nonachlor	<0.048			<0.048		ug/L				NC	20
Trifluralin	<0.097			<0.096		ug/L				NC	20

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

Lab Sample ID: 380-187062-Q-1-B DU
Matrix: Water
Analysis Batch: 192250

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 191694

Surrogate	DU %Recovery	DU Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	83		70 - 130
Triphenylphosphate	133	S1+	70 - 130

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

Lab Sample ID: MB 570-668516/1-A
Matrix: Water
Analysis Batch: 676240

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668516

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	12/11/25 12:16	12/29/25 11:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	12	S1-	33 - 139	12/11/25 12:16	12/29/25 11:17	1
2-Fluorobiphenyl (Surr)	12	S1-	33 - 126	12/11/25 12:16	12/29/25 11:17	1
2-Fluorophenol (Surr)	14		12 - 120	12/11/25 12:16	12/29/25 11:17	1
Nitrobenzene-d5 (Surr)	19	S1-	36 - 120	12/11/25 12:16	12/29/25 11:17	1
Phenol-d6 (Surr)	8	S1-	10 - 120	12/11/25 12:16	12/29/25 11:17	1
p-Terphenyl-d14 (Surr)	19	S1-	47 - 131	12/11/25 12:16	12/29/25 11:17	1

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

Lab Sample ID: MB 570-668516/1-A
Matrix: Water
Analysis Batch: 673714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668516

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
2-Methylnaphthalene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Acenaphthene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Acenaphthylene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Anthracene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Benzo[a]anthracene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Benzo[a]pyrene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Chrysene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Fluoranthene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Fluorene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Naphthalene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Phenanthrene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1
Pyrene	<0.20		0.20		ug/L		12/11/25 12:16	12/22/25 05:27	1

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

Lab Sample ID: MB 570-668516/1-A
Matrix: Water
Analysis Batch: 673714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668516

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	19	S1-	28 - 127	12/11/25 12:16	12/22/25 05:27	1
2-Fluorobiphenyl (Surr)	14	S1-	31 - 120	12/11/25 12:16	12/22/25 05:27	1
2-Fluorophenol (Surr)	11	S1-	17 - 120	12/11/25 12:16	12/22/25 05:27	1
Nitrobenzene-d5 (Surr)	15	S1	27 - 120	12/11/25 12 16	12/22/25 05 27	1
Phenol-d6 (Surr)	8	S1-	10 - 120	12/11/25 12:16	12/22/25 05:27	1
p-Terphenyl-d14 (Surr)	20	S1-	45 - 120	12/11/25 12:16	12/22/25 05:27	1

Lab Sample ID: LCS 570-668516/2-A
Matrix: Water
Analysis Batch: 673714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	15.3		ug/L		76	47 - 120
2-Methylnaphthalene	20.0	15.0		ug/L		75	43 - 120
Acenaphthene	20.0	18.6		ug/L		93	60 - 132
Acenaphthylene	20.0	17.1		ug/L		85	54 - 126
Anthracene	20.0	18.7		ug/L		93	43 - 120
Benzo[a]anthracene	20.0	18.9		ug/L		94	42 - 133
Benzo[a]pyrene	20.0	19.6		ug/L		98	32 - 148
Benzo[b]fluoranthene	20.0	19.3		ug/L		97	42 - 140
Benzo[g,h,i]perylene	20.0	19.0		ug/L		95	1 - 195
Benzo[k]fluoranthene	20.0	18.8		ug/L		94	25 - 146
Chrysene	20.0	18.7		ug/L		93	44 - 140
Dibenz(a,h)anthracene	20.0	19.5		ug/L		97	1 - 200
Fluoranthene	20.0	18.6		ug/L		93	43 - 121
Fluorene	20.0	18.5		ug/L		93	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	19.3		ug/L		97	1 - 151
Naphthalene	20.0	14.3		ug/L		72	36 - 120
Phenanthrene	20.0	18.6		ug/L		93	65 - 120
Pyrene	20.0	20.2		ug/L		101	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	86		28 - 127
2-Fluorobiphenyl (Surr)	86		31 - 120
2-Fluorophenol (Surr)	66		17 - 120
Nitrobenzene-d5 (Surr)	73		27 - 120
Phenol-d6 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	88		45 - 120

Lab Sample ID: LCSD 570-668516/3-A
Matrix: Water
Analysis Batch: 673714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 668516

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	14.6		ug/L		73	47 - 120	5	20
2-Methylnaphthalene	20.0	14.3		ug/L		72	43 - 120	5	20
Acenaphthene	20.0	17.4		ug/L		87	60 - 132	6	29

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

Lab Sample ID: LCSD 570-668516/3-A
Matrix: Water
Analysis Batch: 673714

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 668516

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthylene			20.0	16.3		ug/L		81	54 - 126	5	45
Anthracene			20.0	17.2		ug/L		86	43 - 120	8	40
Benzo[a]anthracene			20.0	17.4		ug/L		87	42 - 133	8	32
Benzo[a]pyrene			20.0	18.2		ug/L		91	32 - 148	8	43
Benzo[b]fluoranthene			20.0	17.9		ug/L		90	42 - 140	8	43
Benzo[g,h,i]perylene			20.0	17.5		ug/L		88	1 - 195	8	61
Benzo[k]fluoranthene			20.0	17.4		ug/L		87	25 - 146	8	38
Chrysene			20.0	17.3		ug/L		86	44 - 140	8	53
Dibenz(a,h)anthracene			20.0	18.3		ug/L		91	1 - 200	6	75
Fluoranthene			20.0	17.4		ug/L		87	43 - 121	6	40
Fluorene			20.0	17.3		ug/L		86	70 - 120	7	23
Indeno[1,2,3-cd]pyrene			20.0	18.0		ug/L		90	1 - 151	7	60
Naphthalene			20.0	13.7		ug/L		68	36 - 120	5	39
Phenanthrene			20.0	17.2		ug/L		86	65 - 120	8	24
Pyrene			20.0	18.8		ug/L		94	70 - 120	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*28 - 127*
2-Fluorobiphenyl (Surr)	*83*		*31 - 120*
2-Fluorophenol (Surr)	*60*		*17 - 120*
Nitrobenzene-d5 (Surr)	*70*		*27 - 120*
Phenol-d6 (Surr)	*39*		*10 - 120*
p-Terphenyl-d14 (Surr)	*83*		*45 - 120*

Lab Sample ID: 380-187025-1 MS
Matrix: Water
Analysis Batch: 673714

Client Sample ID: HALAWA WELLS UNITS 1 & 2
Prep Type: Total/NA
Prep Batch: 668516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.2	13.8		ug/L		72	36 - 120
2-Methylnaphthalene	<0.19		19.2	13.9		ug/L		73	32 - 124
Acenaphthene	<0.19		19.2	16.7		ug/L		87	47 - 145
Acenaphthylene	<0.19		19.2	16.4		ug/L		86	33 - 145
Anthracene	<0.19		19.2	16.7		ug/L		87	27 - 133
Benzo[a]anthracene	<0.19		19.2	17.1		ug/L		89	33 - 143
Benzo[a]pyrene	<0.19		19.2	17.6		ug/L		92	17 - 163
Benzo[b]fluoranthene	<0.19		19.2	17.2		ug/L		90	24 - 159
Benzo[g,h,i]perylene	<0.19		19.2	16.2		ug/L		84	1 - 219
Benzo[k]fluoranthene	<0.19		19.2	16.7		ug/L		87	11 - 162
Chrysene	<0.19		19.2	17.0		ug/L		89	17 - 168
Dibenz(a,h)anthracene	<0.19		19.2	17.0		ug/L		89	1 - 227
Fluoranthene	<0.19		19.2	16.4		ug/L		86	26 - 137
Fluorene	<0.19		19.2	16.6		ug/L		87	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.2	16.4		ug/L		85	1 - 171
Naphthalene	<0.19		19.2	13.1		ug/L		68	21 - 133
Phenanthrene	<0.19		19.2	16.7		ug/L		87	54 - 120
Pyrene	<0.19		19.2	18.7		ug/L		98	52 - 120

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

Lab Sample ID: 380-187025-1 MS
Matrix: Water
Analysis Batch: 673714

Client Sample ID: HALAWA WELLS UNITS 1 & 2
Prep Type: Total/NA
Prep Batch: 668516

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*28 - 127*
2-Fluorobiphenyl (Surr)	*84*		*31 - 120*
2-Fluorophenol (Surr)	*59*		*17 - 120*
Nitrobenzene d5 (Surr)	*69*		*27 - 120*
Phenol-d6 (Surr)	*39*		*10 - 120*
p-Terphenyl-d14 (Surr)	*85*		*45 - 120*

Lab Sample ID: 380-187025-1 MSD
Matrix: Water
Analysis Batch: 673714

Client Sample ID: HALAWA WELLS UNITS 1 & 2
Prep Type: Total/NA
Prep Batch: 668516

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.1	14.1		ug/L		73	36 - 120	2	30
2-Methylnaphthalene	<0.19		19.1	14.1		ug/L		74	32 - 124	1	30
Acenaphthene	<0.19		19.1	17.1		ug/L		90	47 - 145	3	48
Acenaphthylene	<0.19		19.1	16.8		ug/L		88	33 - 145	3	74
Anthracene	<0.19		19.1	17.2		ug/L		90	27 - 133	3	66
Benzo[a]anthracene	<0.19		19.1	17.3		ug/L		90	33 - 143	1	53
Benzo[a]pyrene	<0.19		19.1	17.6		ug/L		92	17 - 163	0	72
Benzo[b]fluoranthene	<0.19		19.1	17.3		ug/L		90	24 - 159	0	71
Benzo[g,h,i]perylene	<0.19		19.1	16.6		ug/L		86	1 - 219	2	97
Benzo[k]fluoranthene	<0.19		19.1	16.7		ug/L		87	11 - 162	0	63
Chrysene	<0.19		19.1	17.1		ug/L		89	17 - 168	0	87
Dibenz(a,h)anthracene	<0.19		19.1	17.4		ug/L		91	1 - 227	2	126
Fluoranthene	<0.19		19.1	17.1		ug/L		89	26 - 137	4	66
Fluorene	<0.19		19.1	16.9		ug/L		88	59 - 121	2	38
Indeno[1,2,3-cd]pyrene	<0.19		19.1	17.0		ug/L		89	1 - 171	4	99
Naphthalene	<0.19		19.1	13.5		ug/L		71	21 - 133	3	65
Phenanthrene	<0.19		19.1	17.3		ug/L		90	54 - 120	3	39
Pyrene	<0.19		19.1	18.7		ug/L		97	52 - 120	0	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*28 - 127*
2-Fluorobiphenyl (Surr)	*88*		*31 - 120*
2-Fluorophenol (Surr)	*62*		*17 - 120*
Nitrobenzene-d5 (Surr)	*75*		*27 - 120*
Phenol-d6 (Surr)	*41*		*10 - 120*
p-Terphenyl-d14 (Surr)	*88*		*45 - 120*

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

Lab Sample ID: MB 570-673280/6
Matrix: Water
Analysis Batch: 673280

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			12/20/25 13:00	1

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

Lab Sample ID: MB 570-673280/6
Matrix: Water
Analysis Batch: 673280

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		38 - 134		12/20/25 13:00	1

Lab Sample ID: LCS 570-673280/4
Matrix: Water
Analysis Batch: 673280

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	373		ug/L		93	78 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		38 - 134

Lab Sample ID: LCSD 570-673280/5
Matrix: Water
Analysis Batch: 673280

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	406		ug/L		101	78 - 120	9	10

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

Lab Sample ID: MRL 570-673280/3
Matrix: Water
Analysis Batch: 673280

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	13.2		ug/L		132	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		38 - 134

Lab Sample ID: 380-187025-1 MS
Matrix: Water
Analysis Batch: 673280

Client Sample ID: HALAWA WELLS UNITS 1 & 2
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	382		ug/L		96	68 - 122		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		38 - 134

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

Lab Sample ID: 380-187025-1 MSD — **Client Sample ID: HALAWA WELLS UNITS 1 & 2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 673280

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	395		ug/L		99	68 - 122	3	18

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

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

Lab Sample ID: MB 570-669844/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674105 — **Prep Batch: 669844**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		12/14/25 10:45	12/22/25 15:56	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		12/14/25 10:45	12/22/25 15:56	1
C8-C18	<25		25		ug/L		12/14/25 10:45	12/22/25 15:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*108*		*60 - 130*	*12/14/25 10:45*	*12/22/25 15:56*	*1*

Lab Sample ID: LCS 570-669844/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674105 — **Prep Batch: 669844**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1390		ug/L		87	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*102*		*60 - 130*

Lab Sample ID: LCSD 570-669844/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674105 — **Prep Batch: 669844**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1460		ug/L		91	56 - 127	5	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*91*		*60 - 130*

Lab Sample ID: MRL 570-669844/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 674105 — **Prep Batch: 669844**

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0214	J	mg/L		107	50 - 150		

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

Lab Sample ID: MRL 570-669844/4-A
Matrix: Water
Analysis Batch: 674105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669844

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*86*		*60 - 130*

Lab Sample ID: 380-187025-1 MS
Matrix: Water
Analysis Batch: 674105

Client Sample ID: HALAWA WELLS UNITS 1 & 2
Prep Type: Total/NA
Prep Batch: 669844

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26	F1 F2	1660	212	F1	ug/L		13	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*106*		*60 - 130*

Lab Sample ID: 380-187025-1 MSD
Matrix: Water
Analysis Batch: 674105

Client Sample ID: HALAWA WELLS UNITS 1 & 2
Prep Type: Total/NA
Prep Batch: 669844

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26	F1 F2	1670	354	F1 F2	ug/L		21	70 - 130	50	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*115*		*60 - 130*

GC/MS Semi VOA

Prep Batch: 191694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187025-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	525.2	
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	525.2	
MB 380-191694/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-191694/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-191694/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-187018-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-187062-Q-1-B DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 192249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187018-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	191694

Analysis Batch: 192250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187025-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	525.2	191694
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	525.2	191694
MB 380-191694/21-A	Method Blank	Total/NA	Water	525.2	191694
LCS 380-191694/23-A	Lab Control Sample	Total/NA	Water	525.2	191694
MRL 380-191694/22-A	Lab Control Sample	Total/NA	Water	525.2	191694
380-187062-Q-1-B DU	Duplicate	Total/NA	Water	525.2	191694

Prep Batch: 668516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187025-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	625.1	
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	625.1	
MB 570-668516/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-668516/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-668516/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-187025-1 MS	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	625.1	
380-187025-1 MSD	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	625.1	

Analysis Batch: 673714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187025-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	625.1 SIM	668516
MB 570-668516/1-A	Method Blank	Total/NA	Water	625.1 SIM	668516
LCS 570-668516/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	668516
LCSD 570-668516/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	668516
380-187025-1 MS	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	625.1 SIM	668516
380-187025-1 MSD	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	625.1 SIM	668516

Analysis Batch: 675313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	625.1 SIM	668516

Analysis Batch: 676240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187025-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	625.1	668516
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	625.1	668516
MB 570-668516/1-A	Method Blank	Total/NA	Water	625.1	668516

QC Association Summary

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

Job ID: 380-187025-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

GC VOA

Analysis Batch: 673280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187025-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	8015B GRO LL	
380-187025-2	TB: HALAWA WELLS UNITS 1 & 2	Total/NA	Water	8015B GRO LL	
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	8015B GRO LL	
380-187025-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TF	Total/NA	Water	8015B GRO LL	
MB 570-673280/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-673280/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-673280/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-673280/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-187025-1 MS	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	8015B GRO LL	
380-187025-1 MSD	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 669844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187025-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	3510C	
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	3510C	
MB 570-669844/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-669844/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-669844/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-669844/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-187025-1 MS	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	3510C	
380-187025-1 MSD	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	3510C	

Analysis Batch: 674105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187025-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	8015B	669844
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	8015B	669844
MB 570-669844/1-A	Method Blank	Total/NA	Water	8015B	669844
LCS 570-669844/2-A	Lab Control Sample	Total/NA	Water	8015B	669844
LCSD 570-669844/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	669844
MRL 570-669844/4-A	Lab Control Sample	Total/NA	Water	8015B	669844
380-187025-1 MS	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	8015B	669844
380-187025-1 MSD	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	8015B	669844

Lab Chronicle

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

Job ID: 380-187025-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1

Lab Sample ID: 380-187025-1
Date Collected: 12/08/25 10:12
Matrix: Water
Date Received: 12/10/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			191694	OTM3	EA POM	12/11/25 08:04
Total/NA	Analysis	525.2		1	192250	Q8LA	EA POM	12/14/25 15:42
Total/NA	Prep	625.1			668516	VAW2	EET CAL 4	12/11/25 12:16
Total/NA	Analysis	625.1		1	676240	PQS1	EET CAL 4	12/29/25 12:51
Total/NA	Prep	625.1			668516	VAW2	EET CAL 4	12/11/25 12:16
Total/NA	Analysis	625.1 SIM		1	673714	PQS1	EET CAL 4	12/22/25 15:17
Total/NA	Analysis	8015B GRO LL		1	673280	YD9V	EET CAL 4	12/20/25 13:43
Total/NA	Prep	3510C			669844	TVD6	EET CAL 4	12/14/25 10:45
Total/NA	Analysis	8015B		1	674105	NR	EET CAL 4	12/22/25 19:09

Client Sample ID: TB: HALAWA WELLS UNITS 1 & 2

Lab Sample ID: 380-187025-2
Date Collected: 12/08/25 10:12
Matrix: Water
Date Received: 12/10/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	673280	YD9V	EET CAL 4	12/20/25 20:41

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2

Lab Sample ID: 380-187025-3
Date Collected: 12/08/25 11:26
Matrix: Water
Date Received: 12/10/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			191694	OTM3	EA POM	12/11/25 08:04
Total/NA	Analysis	525.2		1	192250	Q8LA	EA POM	12/14/25 16:03
Total/NA	Prep	625.1			668516	VAW2	EET CAL 4	12/11/25 12:16
Total/NA	Analysis	625.1		1	676240	PQS1	EET CAL 4	12/29/25 13:14
Total/NA	Prep	625.1			668516	VAW2	EET CAL 4	12/11/25 12:16
Total/NA	Analysis	625.1 SIM		1	675313	PQS1	EET CAL 4	12/26/25 10:18
Total/NA	Analysis	8015B GRO LL		1	673280	YD9V	EET CAL 4	12/20/25 16:17
Total/NA	Prep	3510C			669844	TVD6	EET CAL 4	12/14/25 10:45
Total/NA	Analysis	8015B		1	674105	NR	EET CAL 4	12/22/25 19:30

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

Lab Sample ID: 380-187025-4
Date Collected: 12/08/25 11:26
Matrix: Water
Date Received: 12/10/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	673280	YD9V	EET CAL 4	12/20/25 21:03

Laboratory References:

EA POM = Eurofins 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: 380-187025-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

Laboratory: Eurofins 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
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

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26

Accreditation/Certification Summary

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

Job ID: 380-187025-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
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	10-11-26

Method Summary

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

Job ID: 380-187025-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

Method	Method Description	Protocol	Laboratory
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
8015B	Diesel Range Organics (DRO) (GC) Low Level	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
525.2	Extraction of Semivolatile Compounds	EPA	EA POM
625.1	Liquid-Liquid Extraction	40CFR136A	EET CAL 4

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EA POM = Eurofins 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: 380-187025-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-187025-1	HALAWA WELLS UNITS 1 & 2 P1	Water	12/08/25 10:12	12/10/25 09:42	Hawaii
380-187025-2	TB: HALAWA WELLS UNITS 1 & 2	Water	12/08/25 10:12	12/10/25 09:42	Hawaii
380-187025-3	AIEA WELLS PUMPS 1&2 (260) P2	Water	12/08/25 11:26	12/10/25 09:42	Hawaii
380-187025-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	Water	12/08/25 11:26	12/10/25 09:42	Hawaii

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: bailey	Lab PM: Lopez, Maria	380-187025 COC	Carrier Tracking No(s):	COC No: 380-28005-2757.1
Client Contact: Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofinsus.com		State of Origin:	Page: Page 1 of 1
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 Yes Δ No
Phone: 808-748-5840 (Tel)	PO #: C20525101 exp 05312023
Email: kiwamoto@hbws.org	WO #:
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill	Project #: 38001111
Site: Hawaii	SSOW#:

Analysis Requested

Preservation Codes:
R - NaThioSO4
RA - NaThio/HCl
Q - Na2SO3
QA - Na2SO3/HCl
Y - Trizma
I - NH4 Acetate

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)	525.1, 525.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_C8 - HHL Ranges: C10-C24/C24-C36/C8-C18	525.2_PREC - (MOD) 525plus Plus TICs	537.1_DW_PREC - 537.1 Full List	533 - All Analytes	Total Number of containers	Special Instructions/Note:
				Preservation Code:			R	RA	Q	QA	Y	I		
Halawa Wells Units 1 & 2 P1	8-Dec-2025	1012	G	Water		X	4	5	4	2				
Halawa Wells Units 1 & 2 (Matrix Spike)				Water			X	X	X					
Halawa Wells Units 1 & 2 (Matrix Spike Duplicate)				Water			X	X	X					
TB: Halawa Wells Units 1 & 2	8-Dec-2025	1012		Water				2						
Aiea Wells Pumps 1&2 (260) P2	8-Dec-2025	1126	G	Water			2	3	2	2				
Aiea Wells Pumps 1&2 (260) (Matrix Spike)				Water										
Aiea Wells Pumps 1&2 (Matrix Spike Duplicate)				Water										
TB: Aiea Wells Pumps 1&2 (260)	8-Dec-2025	1126		Water				2						

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:	Method of Shipment: FedX: 8868 9776 1702	
[redacted]	Date/Time: 09dec.2025 1400	Company: HBWS	Received by: Mark Urrutia	Date/Time: 12/10/25 942	Company: EEHP
	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: (63(A)) 1.7+0.0-1.7 gel-frozen

Ver: 04/02/2024

ORIGIN ID:HIKA (808) 748-5840
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST.
CHEMICAL LABORATORY
HONOLULU, HI 96843
UNITED STATES US

SHIP DATE: 09DEC25
ACTWGT: 57.00 LB
CAD: 258050552/INET4535

BILL RECIPIENT

TO EUROFINS RECEIVING DEPARTMENT
EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

POMONA CA 91768
(626) 386-1100 REF:
INV:
PO: DEPT:

58HJ4/2C22/59F2

FedEx Express

6 of 6

WED - 10 DEC 12:00P
PRIORITY OVERNIGHT

MPS# 0263 8868 9776 1713
Mstr# 8868 9776 1665

0201

91768

WM ONTA

CA-US ONT

(631A) 3.3+0.0=3.3 gel-frozen

Mark Urrutia 12/10/25 942

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

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

Chain of Custody Record

eurofins | Environment Testing

Loc: 380
187025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-284889.1
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 #: 380-187025-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 12/26/2025			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

380-187025 Chain of Custody

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS/3510C_LL/HNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended PAH List	Total Number of cont	Special Instructions/Note:
			Preservation Code:								
HALAWA WELLS UNITS 1 & 2 P1 (380-187025-1)	12/8/25	10:12 Hawaiian	G	Water			X	X	X	7	MRLs are needed. Confirm any hits >RL.
HALAWA WELLS UNITS 1 & 2 (380-187025-1MS)	12/8/25	10:12 Hawaiian	G	Water			X	X	X	3	MRLs are needed. Confirm any hits >RL.
HALAWA WELLS UNITS 1 & 2 (380-187025-1MSD)	12/8/25	10:12 Hawaiian	G	Water			X	X	X	3	MRLs are needed. Confirm any hits >RL.
TB: HALAWA WELLS UNITS 1 & 2 (380-187025-2)	12/8/25	10:12 Hawaiian	G	Water				X		2	MRLs are needed.
AIEA WELLS PUMPS 1&2 (260) P2 (380-187025-3)	12/8/25	11:26 Hawaiian	G	Water			X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) (380-1870	12/8/25	11:26 Hawaiian	G	Water				X		2	MRLs are needed.

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 Urrutia	12/10/25 1630	EEHP		12-6-25 1630	WP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	12-10-25 1740	WP		12-10-25 1740	
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: 1.5 | 1.7 IR-5

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-187025-1

SDG Number: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

Login Number: 187025

List Source: Eurofins Pomona

List Number: 1

Creator: Tran, Kristine

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").	N/A	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	N/A	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-187025-1

SDG Number: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Aiea Wells Pumps 1&2 P2

Login Number: 187025

List Source: Eurofins Calscience

List Number: 2

List Creation: 12/10/25 07:42 PM

Creator: Khana, Piyush

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	1.7
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	