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ANALYTICAL REPORT

PREPARED FOR

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City & County of Honolulu
630 South Beretania Street
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Honolulu, Hawaii 96843

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JOB DESCRIPTION

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

JOB NUMBER

380-185646-1

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

See page two for job notes and contact information.

Eurofins Eaton Analytical Pomona

Job Notes

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

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

Compliance Statement

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

Authorization

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Authorized for release by
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Table of Contents

Definitions/Glossary

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

Job ID: 380-185646-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Moanalua Wells

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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
380-185646-1

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 12/3/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.6°C, 2.0°C, 3.0°C and 3.9°C.

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

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

Diesel Range Organics
Method 8015B_DRO_LL_CS: The following sample was prepared outside of preparation holding time due to reconfirm results: HALAWA WELLS UNITS 1 & 2 P1 (380-185646-1). Method 8015B_DRO_LL_CS: The following sample(s) was re-prepared outside of preparation holding time to confirm sample hit>RL in the initial preparation batch with PM approval. Re-extraction results were ND HALAWA WELLS UNITS 1 & 2 P1 (380-185646-1). Due to the recheck results not matching the initial values and reanalysis performed out of hold time the method was canceled for HALAWA WELLS UNITS 1 & 2 P1 (380-185646-1. The sample is collected weekly thus a follow up sample was collected on 12/8/25 under job # 380-187025. Analysis by 8015B_DRO is currently in progress. (XWB4)

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: 380-185646-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Moanalua Wells

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 — Lab Sample ID: 380-185646-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.046		0.0097		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0 015		0.0097		ug/L	1		525.2	Total/NA

Client Sample ID: TB: HALAWA WELLS UNITS 1 & 2 — Lab Sample ID: 380-185646-2

No Detections.

Client Sample ID: MOANALUA WELLS — Lab Sample ID: 380-185646-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.026		0.0096		ug/L	1		525.2	Total/NA

Client Sample ID: TB:MOANALUA WELLS — Lab Sample ID: 380-185646-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1

Date Collected: 12/01/25 10:52
Date Received: 12/03/25 10:30

Lab Sample ID: 380-185646-1

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		12/04/25 09:08	12/05/25 14:05	1
2,4'-DDD	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
2,4'-DDE	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
2,4'-DDT	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
2,4-Dinitrotoluene	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
2,6-Dinitrotoluene	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
2-Methylnaphthalene	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
4,4'-DDD	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
4,4'-DDE	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
4,4'-DDT	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Acenaphthene	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Acenaphthylene	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Acetochlor	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Alachlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
alpha-BHC	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
alpha-Chlordane	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Anthracene	<0.019		0.019		ug/L		12/04/25 09:08	12/05/25 14:05	1
Atrazine	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Benz(a)anthracene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Benzo[a]pyrene	<0.019		0.019		ug/L		12/04/25 09:08	12/05/25 14:05	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		12/04/25 09:08	12/05/25 14:05	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		12/04/25 09:08	12/05/25 14:05	1
beta-BHC	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		12/04/25 09:08	12/05/25 14:05	1
Bromacil	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Butachlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Butylbenzylphthalate	<0.49		0.49		ug/L		12/04/25 09:08	12/05/25 14:05	1
Chlorobenzilate	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Chloroneb	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Chlorpyrifos	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Chrysene	<0.019		0.019		ug/L		12/04/25 09:08	12/05/25 14:05	1
delta-BHC	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		12/04/25 09:08	12/05/25 14:05	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Dieldrin	**0.046**		0.0097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Diethylphthalate	<0.49		0.49		ug/L		12/04/25 09:08	12/05/25 14:05	1
Dimethylphthalate	<0.49		0.49		ug/L		12/04/25 09:08	12/05/25 14:05	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		12/04/25 09:08	12/05/25 14:05	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Endosulfan sulfate	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Endrin	<0.0097		0.0097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Endrin aldehyde	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
EPTC	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1

Date Collected: 12/01/25 10:52
Date Received: 12/03/25 10:30

Lab Sample ID: 380-185646-1

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		12/04/25 09:08	12/05/25 14:05	1
Fluorene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
gamma-Chlordane	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Heptachlor	<0.0097		0.0097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Heptachlor epoxide (isomer B)	**0.015**		0.0097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Hexachlorobenzene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Isophorone	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Lindane	<0.0097		0.0097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Malathion	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Methoxychlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Metolachlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Molinate	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Naphthalene	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Parathion	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Phenanthrene	<0.039		0.039		ug/L		12/04/25 09:08	12/05/25 14:05	1
Propachlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Pyrene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Simazine	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Terbacil	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Terbuthylazine	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Thiobencarb	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		12/04/25 09:08	12/05/25 14:05	1
trans-Nonachlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 14:05	1
Trifluralin	<0.097		0.097		ug/L		12/04/25 09:08	12/05/25 14:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*12/04/25 09:08*	*12/05/25 14:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*12/04/25 09:08*	*12/05/25 14:05*	*1*
Perylene-d12	*94*		*70 - 130*	*12/04/25 09:08*	*12/05/25 14:05*	*1*
Triphenylphosphate	*109*		*70 - 130*	*12/04/25 09:08*	*12/05/25 14:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
2-Methylnaphthalene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Acenaphthene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Acenaphthylene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Anthracene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Benzo[a]anthracene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Benzo[a]pyrene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Chrysene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1

Lab Sample ID: 380-185646-1

Date Collected: 12/01/25 10:52

Matrix: Water

Date Received: 12/03/25 10:30

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	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Fluoranthene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Fluorene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Naphthalene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Phenanthrene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1
Pyrene	<0.20		0.20		ug/L		12/04/25 13:53	12/11/25 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*28 - 127*	*12/04/25 13:53*	*12/11/25 00:04*	*1*
2-Fluorobiphenyl (Surr)	*77*		*31 - 120*	*12/04/25 13:53*	*12/11/25 00:04*	*1*
2-Fluorophenol (Surr)	*49*		*17 - 120*	*12/04/25 13:53*	*12/11/25 00:04*	*1*
Nitrobenzene-d5 (Surr)	*78*		*27 - 120*	*12/04/25 13:53*	*12/11/25 00:04*	*1*
Phenol-d6 (Surr)	*31*		*10 - 120*	*12/04/25 13:53*	*12/11/25 00:04*	*1*
p-Terphenyl-d14 (Surr)	*75*		*45 - 120*	*12/04/25 13:53*	*12/11/25 00:04*	*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*	*12/04/25 13:53*	*12/11/25 10:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*33 - 139*	*12/04/25 13:53*	*12/11/25 10:09*	*1*
2-Fluorobiphenyl (Surr)	*82*		*33 - 126*	*12/04/25 13:53*	*12/11/25 10:09*	*1*
2-Fluorophenol (Surr)	*47*		*12 - 120*	*12/04/25 13:53*	*12/11/25 10:09*	*1*
Nitrobenzene-d5 (Surr)	*84*		*36 - 120*	*12/04/25 13:53*	*12/11/25 10:09*	*1*
Phenol-d6 (Surr)	*27*		*10 - 120*	*12/04/25 13:53*	*12/11/25 10:09*	*1*
p-Terphenyl-d14 (Surr)	*82*		*47 - 131*	*12/04/25 13:53*	*12/11/25 10:09*	*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			12/14/25 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*38 - 134*		*12/14/25 13:33*	*1*

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

Lab Sample ID: 380-185646-2

Date Collected: 12/01/25 10:52

Matrix: Water

Date Received: 12/03/25 10:30

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			12/14/25 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*38 - 134*		*12/14/25 19:41*	*1*

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

Job ID: 380-185646-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Moanalua Wells

Client Sample ID: MOANALUA WELLS

Date Collected: 12/01/25 10:24
Date Received: 12/03/25 10:30

Lab Sample ID: 380-185646-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
2,4'-DDD	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
2,4'-DDE	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
2,4'-DDT	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
2,4-Dinitrotoluene	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
2,6-Dinitrotoluene	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
2-Methylnaphthalene	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
4,4'-DDD	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
4,4'-DDE	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
4,4'-DDT	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Acenaphthene	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Acenaphthylene	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Acetochlor	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Alachlor	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
alpha-BHC	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
alpha-Chlordane	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Anthracene	<0.019		0.019		ug/L		12/04/25 09:08	12/05/25 14:25	1
Atrazine	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Benz(a)anthracene	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Benzo[a]pyrene	<0.019		0.019		ug/L		12/04/25 09:08	12/05/25 14:25	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		12/04/25 09:08	12/05/25 14:25	1
Benzo[g,h,i]perylene	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		12/04/25 09:08	12/05/25 14:25	1
beta-BHC	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		12/04/25 09:08	12/05/25 14:25	1
Bromacil	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Butachlor	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Butylbenzylphthalate	<0.48		0.48		ug/L		12/04/25 09:08	12/05/25 14:25	1
Chlorobenzilate	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Chloroneb	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Chlorothalonil (Draconil, Bravo)	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Chlorpyrifos	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Chrysene	<0.019		0.019		ug/L		12/04/25 09:08	12/05/25 14:25	1
delta-BHC	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		12/04/25 09:08	12/05/25 14:25	1
Dibenz(a,h)anthracene	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Diclorvos (DDVP)	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Dieldrin	**0.026**		0.0096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Diethylphthalate	<0.48		0.48		ug/L		12/04/25 09:08	12/05/25 14:25	1
Dimethylphthalate	<0.48		0.48		ug/L		12/04/25 09:08	12/05/25 14:25	1
Di-n-butyl phthalate	<0.96		0.96		ug/L		12/04/25 09:08	12/05/25 14:25	1
Di-n-octyl phthalate	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Endosulfan I (Alpha)	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Endosulfan II (Beta)	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Endosulfan sulfate	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Endrin	<0.0096		0.0096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Endrin aldehyde	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
EPTC	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1

Client Sample ID: MOANALUA WELLS

Date Collected: 12/01/25 10:24
Date Received: 12/03/25 10:30

Lab Sample ID: 380-185646-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Fluorene	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
gamma-Chlordane	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Heptachlor	<0.0096		0.0096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Heptachlor epoxide (isomer B)	<0.0096		0.0096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Hexachlorobenzene	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Hexachlorocyclopentadiene	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Isophorone	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Lindane	<0.0096		0.0096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Malathion	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Methoxychlor	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Metolachlor	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Molinate	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Naphthalene	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Parathion	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Pendimethalin (Penoxaline)	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Phenanthrene	<0.039		0.039		ug/L		12/04/25 09:08	12/05/25 14:25	1
Propachlor	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Pyrene	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Simazine	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Terbacil	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Terbuthylazine	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Thiobencarb	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		12/04/25 09:08	12/05/25 14:25	1
trans-Nonachlor	<0.048		0.048		ug/L		12/04/25 09:08	12/05/25 14:25	1
Trifluralin	<0.096		0.096		ug/L		12/04/25 09:08	12/05/25 14:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*12/04/25 09:08*	*12/05/25 14:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*12/04/25 09:08*	*12/05/25 14:25*	*1*
Perylene-d12	*96*		*70 - 130*	*12/04/25 09:08*	*12/05/25 14:25*	*1*
Triphenylphosphate	*108*		*70 - 130*	*12/04/25 09:08*	*12/05/25 14:25*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
2-Methylnaphthalene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Acenaphthene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Acenaphthylene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Anthracene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Benzo[a]anthracene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Benzo[a]pyrene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Chrysene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1

Client Sample ID: MOANALUA WELLS

Date Collected: 12/01/25 10:24
Date Received: 12/03/25 10:30

Lab Sample ID: 380-185646-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Fluoranthene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Fluorene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Naphthalene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Phenanthrene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1
Pyrene	<0.19		0.19		ug/L		12/04/25 13:53	12/11/25 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*28 - 127*	*12/04/25 13:53*	*12/11/25 00:25*	*1*
2-Fluorobiphenyl (Surr)	*82*		*31 - 120*	*12/04/25 13:53*	*12/11/25 00:25*	*1*
2-Fluorophenol (Surr)	*52*		*17 - 120*	*12/04/25 13:53*	*12/11/25 00:25*	*1*
Nitrobenzene-d5 (Surr)	*86*		*27 - 120*	*12/04/25 13:53*	*12/11/25 00:25*	*1*
Phenol-d6 (Surr)	*32*		*10 - 120*	*12/04/25 13:53*	*12/11/25 00:25*	*1*
p-Terphenyl-d14 (Surr)	*74*		*45 - 120*	*12/04/25 13:53*	*12/11/25 00:25*	*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*	*12/04/25 13:53*	*12/11/25 10:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*33 - 139*	*12/04/25 13:53*	*12/11/25 10:34*	*1*
2-Fluorobiphenyl (Surr)	*95*		*33 - 126*	*12/04/25 13:53*	*12/11/25 10:34*	*1*
2-Fluorophenol (Surr)	*60*		*12 - 120*	*12/04/25 13:53*	*12/11/25 10:34*	*1*
Nitrobenzene-d5 (Surr)	*105*		*36 - 120*	*12/04/25 13:53*	*12/11/25 10:34*	*1*
Phenol-d6 (Surr)	*35*		*10 - 120*	*12/04/25 13:53*	*12/11/25 10:34*	*1*
p-Terphenyl-d14 (Surr)	*91*		*47 - 131*	*12/04/25 13:53*	*12/11/25 10:34*	*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			12/14/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*		*12/14/25 15:24*	*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		12/04/25 12:51	12/11/25 05:26	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		12/04/25 12:51	12/11/25 05:26	1
C8-C18	<26		26		ug/L		12/04/25 12:51	12/11/25 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*68*		*60 - 130*	*12/04/25 12:51*	*12/11/25 05:26*	*1*

Client Sample ID: TB:MOANALUA WELLS

Lab Sample ID: 380-185646-4

Date Collected: 12/01/25 10:24

Matrix: Water

Date Received: 12/03/25 10:30

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			12/14/25 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*		*12/14/25 20:03*	*1*

Action Limit Summary

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

Job ID: 380-185646-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Moanalua Wells

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 — Lab Sample ID: 380-185646-1

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	<0.049		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)	0.015		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	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA

Client Sample ID: MOANALUA WELLS — Lab Sample ID: 380-185646-3

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	<0.048		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	<0.0096		ug/L	2	0.0096	525.2	Total/NA
Heptachlor	<0.0096		ug/L	0.4	0.0096	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0096		ug/L	0.2	0.0096	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	<0.0096		ug/L	0.2	0.0096	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

Surrogate Summary

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

Job ID: 380-185646-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Moanalua Wells

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-185621-H-1-A MS	Matrix Spike	97	99	108
380-185639-B-1-A DU	Duplicate	98	86	108
380-185646-1	HALAWA WELLS UNITS 1 & 2 P1	97	94	109
380-185646-3	MOANALUA WELLS	98	96	108
LCS 380-190100/23-A	Lab Control Sample	96	95	105
LCSD 380-190100/24-A	Lab Control Sample Dup	98	99	105
MB 380-190100/21-A	Method Blank	98	90	105
MRL 380-190100/22-A	Lab Control Sample	97	89	106

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)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
380-185646-1	HALAWA WELLS UNITS 1 & 2 F	73	82	47	84	27	82
380-185646-3	MOANALUA WELLS	86	95	60	105	35	91
MB 570-664964/1-A	Method Blank	83	93	55	94	34	90

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(28-127)	(31-120)	(17-120)	(27-120)	(10-120)	(45-120)
380-185646-1	HALAWA WELLS UNITS 1 & 2 F	90	77	49	78	31	75
380-185646-1 MS	HALAWA WELLS UNITS 1 & 2	91	87	62	74	43	80
380-185646-1 MSD	HALAWA WELLS UNITS 1 & 2	87	84	62	70	41	80
380-185646-3	MOANALUA WELLS	94	82	52	86	32	74
LCS 570-664964/2-A	Lab Control Sample	87	88	65	76	44	83
LCSD 570-664964/3-A	Lab Control Sample Dup	74	71	53	72	35	71
MB 570-664964/1-A	Method Blank	90	90	62	91	38	78

Surrogate Legend

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

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	BFB1 (38-134)						
380-185646-1	HALAWA WELLS UNITS 1 & 2 F	84						
380-185646-1 MS	HALAWA WELLS UNITS 1 & 2	89						
380-185646-1 MSD	HALAWA WELLS UNITS 1 & 2	92						
380-185646-2	TB: HALAWA WELLS UNITS 1 & 2	91						
380-185646-3	MOANALUA WELLS	97						
380-185646-4	TB:MOANALUA WELLS	97						
LCS 570-669820/4	Lab Control Sample	81						
LCSD 570-669820/5	Lab Control Sample Dup	84						
MB 570-669820/6	Method Blank	82						
MRL 570-669820/3	Lab Control Sample	79						

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)						
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)						
380-185646-3	MOANALUA WELLS	68						
LCS 570-664976/2-A	Lab Control Sample	100						
LCSD 570-664976/3-A	Lab Control Sample Dup	94						
MB 570-664976/1-A	Method Blank	84						
MRL 570-664976/4-A	Lab Control Sample	87						

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-190100/21-A
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190100

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
2,4'-DDD	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
2,4'-DDE	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
2,4'-DDT	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
2-Methylnaphthalene	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
4,4'-DDD	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
4,4'-DDE	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
4,4'-DDT	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Acenaphthene	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Acenaphthylene	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Acetochlor	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Alachlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
alpha-BHC	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
alpha-Chlordane	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Anthracene	<0.020		0.020		ug/L		12/04/25 09:08	12/05/25 09:04	1
Atrazine	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Benz(a)anthracene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Benzo[a]pyrene	<0.020		0.020		ug/L		12/04/25 09:08	12/05/25 09:04	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		12/04/25 09:08	12/05/25 09:04	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		12/04/25 09:08	12/05/25 09:04	1
beta-BHC	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		12/04/25 09:08	12/05/25 09:04	1
Bromacil	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Butachlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Butylbenzylphthalate	<0.49		0.49		ug/L		12/04/25 09:08	12/05/25 09:04	1
Chlorobenzilate	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Chloroneb	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Chlorpyrifos	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Chrysene	<0.020		0.020		ug/L		12/04/25 09:08	12/05/25 09:04	1
delta-BHC	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		12/04/25 09:08	12/05/25 09:04	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Dieldrin	<0.0098		0.0098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Diethylphthalate	<0.49		0.49		ug/L		12/04/25 09:08	12/05/25 09:04	1
Dimethylphthalate	<0.49		0.49		ug/L		12/04/25 09:08	12/05/25 09:04	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		12/04/25 09:08	12/05/25 09:04	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Endosulfan sulfate	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Endrin	<0.0098		0.0098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Endrin aldehyde	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1

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

Lab Sample ID: MB 380-190100/21-A
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190100

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
EPTC	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Fluoranthene	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Fluorene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
gamma-Chlordane	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Heptachlor	<0.0098		0.0098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Hexachlorobenzene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Isophorone	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Lindane	<0.0098		0.0098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Malathion	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Methoxychlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Metolachlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Molinate	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Naphthalene	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Parathion	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Phenanthrene	<0.039		0.039		ug/L		12/04/25 09:08	12/05/25 09:04	1
Propachlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Pyrene	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Simazine	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Terbacil	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Terbuthylazine	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Thiobencarb	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		12/04/25 09:08	12/05/25 09:04	1
trans-Nonachlor	<0.049		0.049		ug/L		12/04/25 09:08	12/05/25 09:04	1
Trifluralin	<0.098		0.098		ug/L		12/04/25 09:08	12/05/25 09:04	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-	*1.30*	*T J N*	*ug/L*		*2.59*	*1000154-28-6*	*12/04/25 09:08*	*12/05/25 09:04*	*1*
Unknown	*0.541*	*T J*	*ug/L*		*3.04*	*N/A*	*12/04/25 09:08*	*12/05/25 09:04*	*1*
Undecane	*2.58*	*T J N*	*ug/L*		*3.18*	*1120-21-4*	*12/04/25 09:08*	*12/05/25 09:04*	*1*
Cyclopentasiloxane, decamethyl-	*0.818*	*T J N*	*ug/L*		*3.32*	*541-02-6*	*12/04/25 09:08*	*12/05/25 09:04*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.563*	*T J N*	*ug/L*		*3.94*	*540-97-6*	*12/04/25 09:08*	*12/05/25 09:04*	*1*
9-Octadecenamide, (Z)-	*1.31*	*T J N*	*ug/L*		*8.04*	*301-02-0*	*12/04/25 09:08*	*12/05/25 09:04*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*12/04/25 09:08*	*12/05/25 09:04*	*1*
Perylene-d12	*90*		*70 - 130*	*12/04/25 09:08*	*12/05/25 09:04*	*1*
Triphenylphosphate	*105*		*70 - 130*	*12/04/25 09:08*	*12/05/25 09:04*	*1*

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

Lab Sample ID: LCS 380-190100/23-A
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.95	1.87		ug/L		96	70 - 130
2,4'-DDD	1.95	1.87		ug/L		96	70 - 130
2,4'-DDE	1.95	1.96		ug/L		101	70 - 130
2,4'-DDT	1.95	1.80		ug/L		92	70 - 130
2,4-Dinitrotoluene	1.95	1.52		ug/L		78	70 - 130
2,6-Dinitrotoluene	1.95	1.62		ug/L		83	70 - 130
2-Methylnaphthalene	1.95	1.91		ug/L		98	70 - 130
4,4'-DDD	1.95	1.86		ug/L		95	70 - 130
4,4'-DDE	1.95	1.84		ug/L		94	70 - 130
4,4'-DDT	1.95	1.85		ug/L		95	70 - 130
Acenaphthene	1.95	1.91		ug/L		98	70 - 130
Acenaphthylene	1.95	1.82		ug/L		93	70 - 130
Acetochlor	1.95	1.85		ug/L		95	70 - 130
Alachlor	1.95	1.85		ug/L		95	70 - 130
alpha-BHC	1.95	1.98		ug/L		101	70 - 130
alpha-Chlordane	1.95	1.89		ug/L		97	70 - 130
Anthracene	1.95	1.78		ug/L		91	70 - 130
Atrazine	1.95	1.85		ug/L		95	70 - 130
Benz(a)anthracene	1.95	2.08		ug/L		107	70 - 130
Benzo[a]pyrene	1.95	2.01		ug/L		103	70 - 130
Benzo[b]fluoranthene	1.95	2.05		ug/L		105	70 - 130
Benzo[g,h,i]perylene	1.95	1.91		ug/L		98	70 - 130
Benzo[k]fluoranthene	1.95	1.90		ug/L		98	70 - 130
beta-BHC	1.95	1.99		ug/L		102	70 - 130
Bis(2-ethylhexyl) phthalate	1.95	1.79		ug/L		92	70 - 130
Bromacil	1.95	1.40		ug/L		72	70 - 130
Butachlor	1.95	1.93		ug/L		99	70 - 130
Butylbenzylphthalate	1.95	2.18		ug/L		112	70 - 130
Chlorobenzilate	1.95	1.86		ug/L		96	70 - 130
Chloroneb	1.95	2.01		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	1.95	1.89		ug/L		97	70 - 130
Chlorpyrifos	1.95	1.89		ug/L		97	70 - 130
Chrysene	1.95	2.05		ug/L		105	70 - 130
delta-BHC	1.95	1.91		ug/L		98	70 - 130
Di(2-ethylhexyl)adipate	1.95	1.89		ug/L		97	70 - 130
Dibenz(a,h)anthracene	1.95	1.88		ug/L		96	70 - 130
Diclorvos (DDVP)	1.95	1.79		ug/L		92	70 - 130
Dieldrin	1.95	1.81		ug/L		93	70 - 130
Diethylphthalate	1.95	2.05		ug/L		105	70 - 130
Dimethylphthalate	1.95	1.86		ug/L		95	70 - 130
Di-n-butyl phthalate	3.90	4.01		ug/L		103	70 - 130
Di-n-octyl phthalate	1.95	1.69		ug/L		87	70 - 130
Endosulfan I (Alpha)	1.95	2.00		ug/L		102	70 - 130
Endosulfan II (Beta)	1.95	1.83		ug/L		94	70 - 130
Endosulfan sulfate	1.95	1.87		ug/L		96	70 - 130
Endrin	1.95	2.10		ug/L		108	70 - 130
Endrin aldehyde	1.95	1.84		ug/L		94	60 - 130

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

Lab Sample ID: LCS 380-190100/23-A
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
EPTC	1.95	2.13		ug/L		109	70 - 130
Fluoranthene	1.95	1.91		ug/L		98	70 - 130
Fluorene	1.95	2.00		ug/L		102	70 - 130
gamma-Chlordane	1.95	1.91		ug/L		98	70 - 130
Heptachlor	1.95	1.77		ug/L		91	70 - 130
Heptachlor epoxide (isomer B)	1.95	2.06		ug/L		106	70 - 130
Hexachlorobenzene	1.95	1.87		ug/L		96	70 - 130
Hexachlorocyclopentadiene	1.95	1.81		ug/L		93	70 - 130
Indeno[1,2,3-cd]pyrene	1.95	1.96		ug/L		100	70 - 130
Isophorone	1.95	1.81		ug/L		93	70 - 130
Lindane	1.95	2.15		ug/L		110	70 - 130
Malathion	1.95	1.83		ug/L		94	70 - 130
Methoxychlor	1.95	1.89		ug/L		97	70 - 130
Metolachlor	1.95	1.84		ug/L		94	70 - 130
Molinate	1.95	1.99		ug/L		102	70 - 130
Naphthalene	1.95	1.82		ug/L		93	70 - 130
Parathion	1.95	1.96		ug/L		100	70 - 130
Pendimethalin (Penoxaline)	1.95	1.87		ug/L		96	70 - 130
Phenanthrene	1.95	1.92		ug/L		98	70 - 130
Propachlor	1.95	2.08		ug/L		106	70 - 130
Pyrene	1.95	1.95		ug/L		100	70 - 130
Simazine	1.95	1.64		ug/L		84	70 - 130
Terbacil	1.95	1.62		ug/L		83	70 - 130
Terbuthylazine	1.95	1.92		ug/L		98	70 - 130
Thiobencarb	1.95	1.95		ug/L		100	70 - 130
trans-Nonachlor	1.95	1.89		ug/L		97	70 - 130
Trifluralin	1.95	1.73		ug/L		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

Lab Sample ID: LCSD 380-190100/24-A
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190100

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	1.93	1.96		ug/L		102	70 - 130	5	20
2,4'-DDD	1.93	1.96		ug/L		101	70 - 130	5	20
2,4'-DDE	1.93	2.07		ug/L		107	70 - 130	5	20
2,4'-DDT	1.93	1.85		ug/L		96	70 - 130	3	20
2,4-Dinitrotoluene	1.93	1.56		ug/L		81	70 - 130	3	20
2,6-Dinitrotoluene	1.93	1.68		ug/L		87	70 - 130	4	20
2-Methylnaphthalene	1.93	2.00		ug/L		103	70 - 130	5	20
4,4'-DDD	1.93	1.93		ug/L		100	70 - 130	4	20
4,4'-DDE	1.93	1.93		ug/L		100	70 - 130	5	20

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

Lab Sample ID: LCSD 380-190100/24-A
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190100

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDT	1.93	1.94		ug/L		101	70 - 130	5	20
Acenaphthene	1.93	1.96		ug/L		101	70 - 130	3	20
Acenaphthylene	1.93	1.98		ug/L		102	70 - 130	8	20
Acetochlor	1.93	1.94		ug/L		100	70 - 130	5	20
Alachlor	1.93	1.92		ug/L		99	70 - 130	4	20
alpha-BHC	1.93	2.04		ug/L		106	70 - 130	3	20
alpha-Chlordane	1.93	2.01		ug/L		104	70 - 130	6	20
Anthracene	1.93	1.81		ug/L		94	70 - 130	2	20
Atrazine	1.93	1.82		ug/L		94	70 - 130	1	20
Benz(a)anthracene	1.93	2.14		ug/L		111	70 - 130	3	20
Benzo[a]pyrene	1.93	2.05		ug/L		106	70 - 130	2	20
Benzo[b]fluoranthene	1.93	2.04		ug/L		105	70 - 130	1	20
Benzo[g,h,i]perylene	1.93	2.04		ug/L		106	70 - 130	7	20
Benzo[k]fluoranthene	1.93	2.00		ug/L		103	70 - 130	5	20
beta-BHC	1.93	2.08		ug/L		108	70 - 130	5	20
Bis(2-ethylhexyl) phthalate	1.93	1.97		ug/L		102	70 - 130	10	20
Bromacil	1.93	1.44		ug/L		75	70 - 130	3	20
Butachlor	1.93	2.01		ug/L		104	70 - 130	4	20
Butylbenzylphthalate	1.93	2.24		ug/L		116	70 - 130	3	20
Chlorobenzilate	1.93	1.92		ug/L		100	70 - 130	3	20
Chloroneb	1.93	2.06		ug/L		107	70 - 130	2	20
Chlorothalonil (Draconil, Bravo)	1.93	1.95		ug/L		101	70 - 130	3	20
Chlorpyrifos	1.93	2.00		ug/L		104	70 - 130	5	20
Chrysene	1.93	2.08		ug/L		108	70 - 130	1	20
delta-BHC	1.93	2.03		ug/L		105	70 - 130	6	20
Di(2-ethylhexyl)adipate	1.93	2.13		ug/L		110	70 - 130	12	20
Dibenz(a,h)anthracene	1.93	2.00		ug/L		104	70 - 130	6	20
Diclorvos (DDVP)	1.93	1.79		ug/L		93	70 - 130	0	20
Dieldrin	1.93	1.94		ug/L		101	70 - 130	7	20
Diethylphthalate	1.93	2.08		ug/L		108	70 - 130	1	20
Dimethylphthalate	1.93	1.90		ug/L		98	70 - 130	2	20
Di-n-butyl phthalate	3.86	4.11		ug/L		106	70 - 130	3	20
Di-n-octyl phthalate	1.93	1.89		ug/L		98	70 - 130	11	20
Endosulfan I (Alpha)	1.93	2.07		ug/L		107	70 - 130	4	20
Endosulfan II (Beta)	1.93	1.93		ug/L		100	70 - 130	5	20
Endosulfan sulfate	1.93	1.94		ug/L		101	70 - 130	4	20
Endrin	1.93	2.19		ug/L		113	70 - 130	4	20
Endrin aldehyde	1.93	1.90		ug/L		99	60 - 130	4	20
EPTC	1.93	2.19		ug/L		113	70 - 130	3	20
Fluoranthene	1.93	1.98		ug/L		102	70 - 130	4	20
Fluorene	1.93	2.05		ug/L		106	70 - 130	3	20
gamma-Chlordane	1.93	1.98		ug/L		102	70 - 130	4	20
Heptachlor	1.93	1.84		ug/L		95	70 - 130	4	20
Heptachlor epoxide (isomer B)	1.93	2.16		ug/L		112	70 - 130	4	20
Hexachlorobenzene	1.93	1.95		ug/L		101	70 - 130	4	20
Hexachlorocyclopentadiene	1.93	1.91		ug/L		99	70 - 130	5	20
Indeno[1,2,3-cd]pyrene	1.93	2.06		ug/L		107	70 - 130	5	20
Isophorone	1.93	1.88		ug/L		97	70 - 130	4	20

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

Lab Sample ID: LCSD 380-190100/24-A
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190100

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lindane			1.93	2.20		ug/L		114	70 - 130	2	20
Malathion			1.93	1.95		ug/L		101	70 - 130	6	20
Methoxychlor			1.93	1.89		ug/L		98	70 - 130	0	20
Metolachlor			1.93	1.95		ug/L		101	70 - 130	6	20
Molinate			1.93	2.02		ug/L		105	70 - 130	1	20
Naphthalene			1.93	1.94		ug/L		100	70 - 130	6	20
Parathion			1.93	2.01		ug/L		104	70 - 130	3	20
Pendimethalin (Penoxaline)			1.93	1.94		ug/L		100	70 - 130	3	20
Phenanthrene			1.93	1.97		ug/L		102	70 - 130	3	20
Propachlor			1.93	2.09		ug/L		108	70 - 130	1	20
Pyrene			1.93	1.98		ug/L		103	70 - 130	2	20
Simazine			1.93	1.66		ug/L		86	70 - 130	1	20
Terbacil			1.93	1.70		ug/L		88	70 - 130	5	20
Terbuthylazine			1.93	1.94		ug/L		100	70 - 130	1	20
Thiobencarb			1.93	2.00		ug/L		103	70 - 130	2	20
trans-Nonachlor			1.93	1.98		ug/L		102	70 - 130	5	20
Trifluralin			1.93	1.75		ug/L		91	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*99*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

Lab Sample ID: MRL 380-190100/22-A
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190100

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			0.0973	0.105		ug/L		108	50 - 150		
2,4'-DDD			0.0973	0.0914	J	ug/L		94	50 - 150		
2,4'-DDE			0.0973	0.0925	J	ug/L		95	50 - 150		
2,4'-DDT			0.0973	0.107		ug/L		110	50 - 150		
2,4-Dinitrotoluene			0.0973	0.101		ug/L		103	50 - 150		
2,6-Dinitrotoluene			0.0973	0.113		ug/L		116	50 - 150		
2-Methylnaphthalene			0.0973	0.100		ug/L		103	50 - 150		
4,4'-DDD			0.0973	0.110		ug/L		113	50 - 150		
4,4'-DDE			0.0973	0.0887	J	ug/L		91	50 - 150		
4,4'-DDT			0.0973	0.115		ug/L		118	50 - 150		
Acenaphthene			0.0973	0.0879	J	ug/L		90	50 - 150		
Acenaphthylene			0.0973	0.0771	J	ug/L		79	50 - 150		
Acetochlor			0.0973	0.113		ug/L		117	50 - 150		
Alachlor			0.0487	0.0628		ug/L		129	50 - 150		
alpha-BHC			0.0973	0.0959	J	ug/L		99	50 - 150		
alpha-Chlordane			0.0243	0.0328	J	ug/L		135	50 - 150		
Anthracene			0.0195	0.0219		ug/L		113	50 - 150		
Atrazine			0.0487	0.0687		ug/L		141	50 - 150		
Benz(a)anthracene			0.0487	0.0532		ug/L		109	50 - 150		

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

Lab Sample ID: MRL 380-190100/22-A
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190100

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	0.0195	0.0250		ug/L		128	50 - 150
Benzo[b]fluoranthene	0.0195	0.0236		ug/L		121	50 - 150
Benzo[g,h,i]perylene	0.0487	0.0495		ug/L		102	50 - 150
Benzo[k]fluoranthene	0.0195	0.0225		ug/L		116	50 - 150
beta-BHC	0.0973	0.105		ug/L		108	50 - 150
Bis(2-ethylhexyl) phthalate	0.584	0.591		ug/L		101	50 - 150
Bromacil	0.0973	0.110		ug/L		113	50 - 150
Butachlor	0.0487	0.0685		ug/L		141	50 - 150
Butylbenzylphthalate	0.487	0.569		ug/L		117	50 - 150
Chlorobenzilate	0.0973	0.102		ug/L		105	50 - 150
Chloroneb	0.0973	0.0931	J	ug/L		96	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0973	0.128		ug/L		131	50 - 150
Chlorpyrifos	0.0487	0.0631		ug/L		130	50 - 150
Chrysene	0.0195	0.0188	J	ug/L		97	50 - 150
delta-BHC	0.0973	0.0960	J	ug/L		99	50 - 150
Di(2-ethylhexyl)adipate	0.584	0.621		ug/L		106	50 - 150
Dibenz(a,h)anthracene	0.0487	0.0499		ug/L		102	50 - 150
Diclorvos (DDVP)	0.0487	0.0555		ug/L		114	50 - 150
Dieldrin	0.00973	0.0132		ug/L		135	50 - 150
Diethylphthalate	0.487	0.520		ug/L		107	50 - 150
Dimethylphthalate	0.487	0.473	J	ug/L		97	50 - 150
Di-n-butyl phthalate	0.487	0.539	J	ug/L		111	49 - 243
Di-n-octyl phthalate	0.0973	0.102		ug/L		105	50 - 150
Endosulfan I (Alpha)	0.0973	0.0850	J	ug/L		87	50 - 150
Endosulfan II (Beta)	0.0973	0.103		ug/L		106	50 - 150
Endosulfan sulfate	0.0973	0.103		ug/L		106	50 - 150
Endrin	0.00973	0.00866	J	ug/L		89	50 - 150
Endrin aldehyde	0.0973	0.110		ug/L		113	50 - 150
EPTC	0.0973	0.102		ug/L		105	50 - 150
Fluoranthene	0.0973	0.0998		ug/L		103	50 - 150
Fluorene	0.0487	<0.049		ug/L		95	50 - 150
gamma-Chlordane	0.0243	0.0329	J	ug/L		135	50 - 150
Heptachlor	0.00973	0.0122		ug/L		125	50 - 150
Heptachlor epoxide (isomer B)	0.00973	0.0109		ug/L		112	50 - 150
Hexachlorobenzene	0.0487	0.0459	J	ug/L		94	50 - 150
Hexachlorocyclopentadiene	0.0487	0.0478	J	ug/L		98	50 - 150
Indeno[1,2,3-cd]pyrene	0.0487	0.0565		ug/L		116	50 - 150
Isophorone	0.0973	0.117		ug/L		120	50 - 150
Lindane	0.00973	0.0122		ug/L		126	50 - 150
Malathion	0.0973	0.110		ug/L		113	50 - 150
Methoxychlor	0.0487	0.0707		ug/L		145	50 - 150
Metolachlor	0.0487	0.0627		ug/L		129	50 - 150
Molinate	0.0973	0.112		ug/L		115	50 - 150
Naphthalene	0.0973	0.0965	J	ug/L		99	50 - 150
Parathion	0.0973	0.0954	J	ug/L		98	50 - 150
Pendimethalin (Penoxaline)	0.0973	0.0965	J	ug/L		99	50 - 150
Phenanthrene	0.0389	0.0388	J	ug/L		100	50 - 150
Propachlor	0.0487	0.0507		ug/L		104	50 - 150

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

Lab Sample ID: MRL 380-190100/22-A
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190100

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	0.0487	0.0628		ug/L		129	50 - 150
Simazine	0.0487	0.0676		ug/L		139	50 - 150
Terbacil	0.0973	0.0982		ug/L		101	50 - 150
Terbuthylazine	0.0973	0.106		ug/L		109	50 - 150
Thiobencarb	0.0973	0.114		ug/L		117	50 - 150
trans-Nonachlor	0.0243	0.0316	J	ug/L		130	50 - 150
Trifluralin	0.0973	0.0991		ug/L		102	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*89*		*70 - 130*
Triphenylphosphate	*106*		*70 - 130*

Lab Sample ID: 380-185621-H-1-A MS
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 190100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.93	1.93		ug/L		100	70 - 130
2,4'-DDD	<0.097		1.93	1.96		ug/L		101	70 - 130
2,4'-DDE	<0.097		1.93	2.07		ug/L		107	70 - 130
2,4'-DDT	<0.097		1.93	2.01		ug/L		104	70 - 130
2,4-Dinitrotoluene	<0.097		1.93	1.79		ug/L		93	70 - 130
2,6-Dinitrotoluene	<0.097		1.93	1.87		ug/L		97	70 - 130
2-Methylnaphthalene	<0.097		1.93	1.98		ug/L		102	70 - 130
4,4'-DDD	<0.097		1.93	1.98		ug/L		102	70 - 130
4,4'-DDE	<0.097		1.93	1.96		ug/L		101	70 - 130
4,4'-DDT	<0.097		1.93	2.01		ug/L		104	70 - 130
Acenaphthene	<0.097		1.93	1.96		ug/L		101	70 - 130
Acenaphthylene	<0.097		1.93	2.06		ug/L		107	70 - 130
Acetochlor	<0.097		1.93	1.83		ug/L		95	70 - 130
Alachlor	<0.048		1.93	1.84		ug/L		95	70 - 130
alpha-BHC	<0.097		1.93	2.01		ug/L		104	70 - 130
alpha-Chlordane	<0.048		1.93	1.98		ug/L		102	70 - 130
Anthracene	<0.019		1.93	1.66		ug/L		86	70 - 130
Atrazine	<0.048		1.93	1.74		ug/L		90	70 - 130
Benz(a)anthracene	<0.048		1.93	2.20		ug/L		114	70 - 130
Benzo[a]pyrene	<0.019		1.93	2.01		ug/L		104	70 - 130
Benzo[b]fluoranthene	<0.019		1.93	2.09		ug/L		108	70 - 130
Benzo[g,h,i]perylene	<0.048		1.93	1.95		ug/L		101	70 - 130
Benzo[k]fluoranthene	<0.019		1.93	1.90		ug/L		98	70 - 130
beta-BHC	<0.097		1.93	2.05		ug/L		106	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.93	2.05		ug/L		106	70 - 130
Bromacil	<0.097		1.93	1.63		ug/L		84	70 - 130
Butachlor	<0.048		1.93	1.95		ug/L		101	70 - 130
Butylbenzylphthalate	<0.48		1.93	2.23		ug/L		116	70 - 130
Chlorobenzilate	<0.097		1.93	2.08		ug/L		108	70 - 130

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

Lab Sample ID: 380-185621-H-1-A MS
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 190100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroneb	<0.097		1.93	1.98		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.93	1.94		ug/L		100	70 - 130
Chlorpyrifos	<0.048		1.93	2.00		ug/L		103	70 - 130
Chrysene	<0.019		1.93	2.04		ug/L		105	70 - 130
delta-BHC	<0.097		1.93	1.99		ug/L		103	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.93	2.18		ug/L		113	70 - 130
Dibenz(a,h)anthracene	<0.048		1.93	1.94		ug/L		100	70 - 130
Diclorvos (DDVP)	<0.048		1.93	1.88		ug/L		98	70 - 130
Dieldrin	<0.0097		1.93	1.88		ug/L		97	70 - 130
Diethylphthalate	<0.48		1.93	2.11		ug/L		109	70 - 130
Dimethylphthalate	<0.48		1.93	1.95		ug/L		101	70 - 130
Di-n-butyl phthalate	<0.97		3.86	4.08		ug/L		106	70 - 130
Di-n-octyl phthalate	<0.097		1.93	1.95		ug/L		101	70 - 130
Endosulfan I (Alpha)	<0.097		1.93	2.09		ug/L		108	70 - 130
Endosulfan II (Beta)	<0.097		1.93	1.91		ug/L		99	70 - 130
Endosulfan sulfate	<0.097		1.93	1.87		ug/L		97	70 - 130
Endrin	<0.0097		1.93	1.74		ug/L		90	70 - 130
Endrin aldehyde	<0.097		1.93	1.59		ug/L		82	60 - 130
EPTC	<0.097		1.93	2.15		ug/L		111	70 - 130
Fluoranthene	<0.097		1.93	1.99		ug/L		103	70 - 130
Fluorene	<0.048		1.93	2.03		ug/L		105	70 - 130
gamma-Chlordane	<0.048		1.93	1.94		ug/L		100	70 - 130
Heptachlor	<0.0097		1.93	1.89		ug/L		98	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.93	2.13		ug/L		110	70 - 130
Hexachlorobenzene	<0.048		1.93	1.93		ug/L		100	70 - 130
Hexachlorocyclopentadiene	<0.048		1.93	1.96		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.93	2.08		ug/L		107	70 - 130
Isophorone	<0.097		1.93	1.88		ug/L		97	70 - 130
Lindane	<0.0097		1.93	2.17		ug/L		112	70 - 130
Malathion	<0.097		1.93	1.95		ug/L		101	70 - 130
Methoxychlor	<0.048		1.93	2.03		ug/L		105	70 - 130
Metolachlor	0.052		1.93	1.95		ug/L		98	70 - 130
Molinate	<0.097		1.93	2.02		ug/L		104	70 - 130
Naphthalene	<0.097		1.93	1.89		ug/L		98	70 - 130
Parathion	<0.097		1.93	2.17		ug/L		112	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.93	2.12		ug/L		110	70 - 130
Phenanthrene	<0.039		1.93	1.97		ug/L		102	70 - 130
Propachlor	<0.048		1.93	2.13		ug/L		110	70 - 130
Pyrene	<0.048		1.93	2.00		ug/L		103	70 - 130
Simazine	<0.048		1.93	1.60		ug/L		83	70 - 130
Terbacil	<0.097		1.93	1.64		ug/L		85	70 - 130
Terbuthylazine	<0.097		1.93	1.85		ug/L		96	70 - 130
Thiobencarb	<0.097		1.93	2.00		ug/L		104	70 - 130
trans-Nonachlor	<0.048		1.93	1.96		ug/L		101	70 - 130
Trifluralin	<0.097		1.93	1.85		ug/L		96	70 - 130

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

Lab Sample ID: 380-185621-H-1-A MS
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 190100

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	99		70 - 130
Triphenylphosphate	108		70 - 130

Lab Sample ID: 380-185639-B-1-A DU
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 190100

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
2,4'-DDD	<0.098			<0.098		ug/L				NC	20
2,4'-DDE	<0.098			<0.098		ug/L				NC	20
2,4'-DDT	<0.098			<0.098		ug/L				NC	20
2,4-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2,6-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
4,4'-DDD	<0.098			<0.098		ug/L				NC	20
4,4'-DDE	<0.098			<0.098		ug/L				NC	20
4,4'-DDT	<0.098			<0.098		ug/L				NC	20
Acenaphthene	<0.098			<0.098		ug/L				NC	20
Acenaphthylene	<0.098			<0.098		ug/L				NC	20
Acetochlor	<0.098			<0.098		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.098			<0.098		ug/L				NC	20
alpha-Chlordane	<0.049			<0.049		ug/L				NC	20
Anthracene	<0.020			<0.020		ug/L				NC	20
Atrazine	<0.049			<0.049		ug/L				NC	20
Benz(a)anthracene	<0.049			<0.049		ug/L				NC	20
Benzo[a]pyrene	<0.020			<0.020		ug/L				NC	20
Benzo[b]fluoranthene	<0.020			<0.020		ug/L				NC	20
Benzo[g,h,i]perylene	<0.049			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.020			<0.020		ug/L				NC	20
beta-BHC	<0.098			<0.098		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.59			<0.59		ug/L				NC	20
Bromacil	<0.098			<0.098		ug/L				NC	20
Butachlor	<0.049			<0.049		ug/L				NC	20
Butylbenzylphthalate	<0.49			<0.49		ug/L				NC	20
Chlorobenzilate	<0.098			<0.098		ug/L				NC	20
Chloroneb	<0.098			<0.098		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.098			<0.098		ug/L				NC	20
Chlorpyrifos	<0.049			<0.049		ug/L				NC	20
Chrysene	<0.020			<0.020		ug/L				NC	20
delta-BHC	<0.098			<0.098		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.59			<0.59		ug/L				NC	20
Dibenz(a,h)anthracene	<0.049			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.049			<0.049		ug/L				NC	20
Dieldrin	<0.0098			<0.0098		ug/L				NC	20

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

Lab Sample ID: 380-185639-B-1-A DU
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 190100

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diethylphthalate	<0.49			<0.49		ug/L				NC	20
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.98			<0.98		ug/L				NC	20
Di-n-octyl phthalate	<0.098			<0.098		ug/L				NC	20
Endosulfan I (Alpha)	<0.098			<0.098		ug/L				NC	20
Endosulfan II (Beta)	<0.098			<0.098		ug/L				NC	20
Endosulfan sulfate	<0.098			<0.098		ug/L				NC	20
Endrin	<0.0098			<0.0098		ug/L				NC	20
Endrin aldehyde	<0.098			<0.098		ug/L				NC	20
EPTC	<0.098			<0.098		ug/L				NC	20
Fluoranthene	<0.098			<0.098		ug/L				NC	20
Fluorene	<0.049			<0.049		ug/L				NC	20
gamma-Chlordane	<0.049			<0.049		ug/L				NC	20
Heptachlor	<0.0098			<0.0098		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0098			<0.0098		ug/L				NC	20
Hexachlorobenzene	<0.049			<0.049		ug/L				NC	20
Hexachlorocyclopentadiene	<0.049			<0.049		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.049			<0.049		ug/L				NC	20
Isophorone	<0.098			<0.098		ug/L				NC	20
Lindane	<0.0098			<0.0098		ug/L				NC	20
Malathion	<0.098			<0.098		ug/L				NC	20
Methoxychlor	<0.049			<0.049		ug/L				NC	20
Metolachlor	<0.049			<0.049		ug/L				NC	20
Molinate	<0.098			<0.098		ug/L				NC	20
Naphthalene	<0.098			<0.098		ug/L				NC	20
Parathion	<0.098			<0.098		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.098			<0.098		ug/L				NC	20
Phenanthrene	<0.039			<0.039		ug/L				NC	20
Propachlor	<0.049			<0.049		ug/L				NC	20
Pyrene	<0.049			<0.049		ug/L				NC	20
Simazine	<0.049			<0.049		ug/L				NC	20
Terbacil	<0.098			<0.098		ug/L				NC	20
Terbuthylazine	<0.098			<0.098		ug/L				NC	20
Thiobencarb	<0.098			<0.098		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.20			<0.20		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.098			<0.098		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*86*		*70 - 130*
Triphenylphosphate	*108*		*70 - 130*

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

Lab Sample ID: MB 570-664964/1-A
Matrix: Water
Analysis Batch: 668191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 664964

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	12/04/25 13:53	12/11/25 08:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		33 - 139	12/04/25 13:53	12/11/25 08:57	1
2-Fluorobiphenyl (Surr)	93		33 - 126	12/04/25 13:53	12/11/25 08:57	1
2-Fluorophenol (Surr)	55		12 - 120	12/04/25 13:53	12/11/25 08:57	1
Nitrobenzene-d5 (Surr)	94		36 - 120	12/04/25 13:53	12/11/25 08:57	1
Phenol-d6 (Surr)	34		10 - 120	12/04/25 13:53	12/11/25 08:57	1
p-Terphenyl-d14 (Surr)	90		47 - 131	12/04/25 13:53	12/11/25 08:57	1

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

Lab Sample ID: MB 570-664964/1-A
Matrix: Water
Analysis Batch: 667626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 664964

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
2-Methylnaphthalene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Acenaphthene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Acenaphthylene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Anthracene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Benzo[a]anthracene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Benzo[a]pyrene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Chrysene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Fluoranthene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Fluorene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Naphthalene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Phenanthrene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1
Pyrene	<0.20		0.20		ug/L		12/04/25 13:53	12/10/25 07:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		28 - 127	12/04/25 13:53	12/10/25 07:01	1
2-Fluorobiphenyl (Surr)	90		31 - 120	12/04/25 13:53	12/10/25 07:01	1
2-Fluorophenol (Surr)	62		17 - 120	12/04/25 13:53	12/10/25 07:01	1
Nitrobenzene-d5 (Surr)	91		27 - 120	12/04/25 13:53	12/10/25 07:01	1
Phenol-d6 (Surr)	38		10 - 120	12/04/25 13:53	12/10/25 07:01	1
p-Terphenyl-d14 (Surr)	78		45 - 120	12/04/25 13:53	12/10/25 07:01	1

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

Lab Sample ID: LCS 570-664964/2-A
Matrix: Water
Analysis Batch: 667232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664964

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	14.2		ug/L		71	47 - 120		
2-Methylnaphthalene			20.0	14.0		ug/L		70	43 - 120		
Acenaphthene			20.0	17.7		ug/L		89	60 - 132		
Acenaphthylene			20.0	16.8		ug/L		84	54 - 126		
Anthracene			20.0	17.5		ug/L		88	43 - 120		
Benzo[a]anthracene			20.0	17.0		ug/L		85	42 - 133		
Benzo[a]pyrene			20.0	17.9		ug/L		89	32 - 148		
Benzo[b]fluoranthene			20.0	17.6		ug/L		88	42 - 140		
Benzo[g,h,i]perylene			20.0	17.9		ug/L		90	1 - 195		
Benzo[k]fluoranthene			20.0	17.0		ug/L		85	25 - 146		
Chrysene			20.0	17.2		ug/L		86	44 - 140		
Dibenz(a,h)anthracene			20.0	19.2		ug/L		96	1 - 200		
Fluoranthene			20.0	18.1		ug/L		90	43 - 121		
Fluorene			20.0	17.7		ug/L		89	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	18.7		ug/L		93	1 - 151		
Naphthalene			20.0	13.7		ug/L		69	36 - 120		
Phenanthrene			20.0	18.0		ug/L		90	65 - 120		
Pyrene			20.0	17.6		ug/L		88	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*28 - 127*
2-Fluorobiphenyl (Surr)	*88*		*31 - 120*
2-Fluorophenol (Surr)	*65*		*17 - 120*
Nitrobenzene-d5 (Surr)	*76*		*27 - 120*
Phenol-d6 (Surr)	*44*		*10 - 120*
p-Terphenyl-d14 (Surr)	*83*		*45 - 120*

Lab Sample ID: LCSD 570-664964/3-A
Matrix: Water
Analysis Batch: 667626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 664964

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	13.4		ug/L		67	47 - 120	6	20
2-Methylnaphthalene			20.0	13.4		ug/L		67	43 - 120	4	20
Acenaphthene			20.0	14.3		ug/L		71	60 - 132	22	29
Acenaphthylene			20.0	13.0		ug/L		65	54 - 126	25	45
Anthracene			20.0	14.9		ug/L		74	43 - 120	16	40
Benzo[a]anthracene			20.0	14.5		ug/L		72	42 - 133	16	32
Benzo[a]pyrene			20.0	15.1		ug/L		76	32 - 148	17	43
Benzo[b]fluoranthene			20.0	14.8		ug/L		74	42 - 140	18	43
Benzo[g,h,i]perylene			20.0	15.8		ug/L		79	1 - 195	13	61
Benzo[k]fluoranthene			20.0	14.8		ug/L		74	25 - 146	13	38
Chrysene			20.0	14.6		ug/L		73	44 - 140	16	53
Dibenz(a,h)anthracene			20.0	17.1		ug/L		86	1 - 200	12	75
Fluoranthene			20.0	15.4		ug/L		77	43 - 121	16	40
Fluorene			20.0	14.4		ug/L		72	70 - 120	21	23
Indeno[1,2,3-cd]pyrene			20.0	16.5		ug/L		83	1 - 151	12	60

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

Lab Sample ID: LCSD 570-664964/3-A
Matrix: Water
Analysis Batch: 667626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 664964

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			20.0	13.6		ug/L		68	36 - 120	1	39
Phenanthrene			20.0	15.1		ug/L		75	65 - 120	18	24
Pyrene			20.0	14.8		ug/L		74	70 - 120	18	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*74*		*28 - 127*
2-Fluorobiphenyl (Surr)	*71*		*31 - 120*
2-Fluorophenol (Surr)	*53*		*17 - 120*
Nitrobenzene-d5 (Surr)	*72*		*27 - 120*
Phenol-d6 (Surr)	*35*		*10 - 120*
p-Terphenyl-d14 (Surr)	*71*		*45 - 120*

Lab Sample ID: 380-185646-1 MS
Matrix: Water
Analysis Batch: 668195

Client Sample ID: HALAWA WELLS UNITS 1 & 2
Prep Type: Total/NA
Prep Batch: 664964

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.20		19.2	14.5		ug/L		76	36 - 120
2-Methylnaphthalene	<0.20		19.2	14.4		ug/L		75	32 - 124
Acenaphthene	<0.20		19.2	17.3		ug/L		90	47 - 145
Acenaphthylene	<0.20		19.2	17.0		ug/L		89	33 - 145
Anthracene	<0.20		19.2	17.0		ug/L		89	27 - 133
Benzo[a]anthracene	<0.20		19.2	16.6		ug/L		87	33 - 143
Benzo[a]pyrene	<0.20		19.2	16.9		ug/L		88	17 - 163
Benzo[b]fluoranthene	<0.20		19.2	16.4		ug/L		85	24 - 159
Benzo[g,h,i]perylene	<0.20		19.2	16.0		ug/L		83	1 - 219
Benzo[k]fluoranthene	<0.20		19.2	16.2		ug/L		84	11 - 162
Chrysene	<0.20		19.2	16.6		ug/L		86	17 - 168
Dibenz(a,h)anthracene	<0.20		19.2	16.7		ug/L		87	1 - 227
Fluoranthene	<0.20		19.2	16.8		ug/L		87	26 - 137
Fluorene	<0.20		19.2	17.2		ug/L		90	59 - 121
Indeno[1,2,3-cd]pyrene	<0.20		19.2	16.3		ug/L		85	1 - 171
Naphthalene	<0.20		19.2	13.7		ug/L		72	21 - 133
Phenanthrene	<0.20		19.2	17.2		ug/L		90	54 - 120
Pyrene	<0.20		19.2	17.1		ug/L		89	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*91*		*28 - 127*
2-Fluorobiphenyl (Surr)	*87*		*31 - 120*
2-Fluorophenol (Surr)	*62*		*17 - 120*
Nitrobenzene-d5 (Surr)	*74*		*27 - 120*
Phenol-d6 (Surr)	*43*		*10 - 120*
p-Terphenyl-d14 (Surr)	*80*		*45 - 120*

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

Lab Sample ID: 380-185646-1 MSD
Matrix: Water
Analysis Batch: 668195

Client Sample ID: HALAWA WELLS UNITS 1 & 2
Prep Type: Total/NA
Prep Batch: 664964

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.20		19.1	14.0		ug/L		73	36 - 120	3	30
2-Methylnaphthalene	<0.20		19.1	14.0		ug/L		73	32 - 124	3	30
Acenaphthene	<0.20		19.1	17.0		ug/L		89	47 - 145	2	48
Acenaphthylene	<0.20		19.1	16.9		ug/L		88	33 - 145	1	74
Anthracene	<0.20		19.1	17.0		ug/L		89	27 - 133	0	66
Benzo[a]anthracene	<0.20		19.1	16.9		ug/L		88	33 - 143	1	53
Benzo[a]pyrene	<0.20		19.1	17.5		ug/L		91	17 - 163	4	72
Benzo[b]fluoranthene	<0.20		19.1	17.2		ug/L		90	24 - 159	5	71
Benzo[g,h,i]perylene	<0.20		19.1	15.6		ug/L		82	1 - 219	2	97
Benzo[k]fluoranthene	<0.20		19.1	16.4		ug/L		86	11 - 162	2	63
Chrysene	<0.20		19.1	16.8		ug/L		88	17 - 168	1	87
Dibenz(a,h)anthracene	<0.20		19.1	16.4		ug/L		85	1 - 227	2	126
Fluoranthene	<0.20		19.1	17.1		ug/L		89	26 - 137	2	66
Fluorene	<0.20		19.1	17.2		ug/L		90	59 - 121	0	38
Indeno[1,2,3-cd]pyrene	<0.20		19.1	16.0		ug/L		83	1 - 171	2	99
Naphthalene	<0.20		19.1	13.3		ug/L		69	21 - 133	3	65
Phenanthrene	<0.20		19.1	17.3		ug/L		90	54 - 120	0	39
Pyrene	<0.20		19.1	17.7		ug/L		92	52 - 120	3	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*28 - 127*
2-Fluorobiphenyl (Surr)	*84*		*31 - 120*
2-Fluorophenol (Surr)	*62*		*17 - 120*
Nitrobenzene-d5 (Surr)	*70*		*27 - 120*
Phenol-d6 (Surr)	*41*		*10 - 120*
p-Terphenyl-d14 (Surr)	*80*		*45 - 120*

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

Lab Sample ID: MB 570-669820/6
Matrix: Water
Analysis Batch: 669820

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			12/14/25 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*38 - 134*		*12/14/25 12:53*	*1*

Lab Sample ID: LCS 570-669820/4
Matrix: Water
Analysis Batch: 669820

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	352		ug/L		88	78 - 120		

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

Lab Sample ID: LCS 570-669820/4
Matrix: Water
Analysis Batch: 669820

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*38 - 134*

Lab Sample ID: LCSD 570-669820/5
Matrix: Water
Analysis Batch: 669820

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	365		ug/L		91	78 - 120	4	10

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

Lab Sample ID: MRL 570-669820/3
Matrix: Water
Analysis Batch: 669820

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	12.3		ug/L		123	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*79*		*38 - 134*

Lab Sample ID: 380-185646-1 MS
Matrix: Water
Analysis Batch: 669820

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	392		ug/L		98	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*38 - 134*

Lab Sample ID: 380-185646-1 MSD
Matrix: Water
Analysis Batch: 669820

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	<10		400	386		ug/L		96	68 - 122	2	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*

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

Lab Sample ID: MB 570-664976/1-A
Matrix: Water
Analysis Batch: 668161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 664976

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		12/04/25 12:51	12/11/25 03:17	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		12/04/25 12:51	12/11/25 03:17	1
C8-C18	<25		25		ug/L		12/04/25 12:51	12/11/25 03:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*84*		*60 - 130*	*12/04/25 12:51*	*12/11/25 03:17*	*1*

Lab Sample ID: LCS 570-664976/2-A
Matrix: Water
Analysis Batch: 668161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664976

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1580		ug/L		99	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*100*		*60 - 130*

Lab Sample ID: LCSD 570-664976/3-A
Matrix: Water
Analysis Batch: 668161

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 664976

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1510		ug/L		94	56 - 127	5	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*94*		*60 - 130*

Lab Sample ID: MRL 570-664976/4-A
Matrix: Water
Analysis Batch: 668161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664976

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	<0.020		mg/L		84	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*87*		*60 - 130*

GC/MS Semi VOA

Prep Batch: 190100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185646-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	525.2	
380-185646-3	MOANALUA WELLS	Total/NA	Water	525.2	
MB 380-190100/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-190100/23-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-190100/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-190100/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-185621-H-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-185639-B-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 190375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185646-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	525.2	190100
380-185646-3	MOANALUA WELLS	Total/NA	Water	525.2	190100
MB 380-190100/21-A	Method Blank	Total/NA	Water	525.2	190100
LCS 380-190100/23-A	Lab Control Sample	Total/NA	Water	525.2	190100
LCSD 380-190100/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	190100
MRL 380-190100/22-A	Lab Control Sample	Total/NA	Water	525.2	190100
380-185621-H-1-A MS	Matrix Spike	Total/NA	Water	525.2	190100
380-185639-B-1-A DU	Duplicate	Total/NA	Water	525.2	190100

Prep Batch: 664964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185646-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	625.1	
380-185646-3	MOANALUA WELLS	Total/NA	Water	625.1	
MB 570-664964/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-664964/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-664964/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-185646-1 MS	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	625.1	
380-185646-1 MSD	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	625.1	

Analysis Batch: 667232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-664964/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	664964

Analysis Batch: 667626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-664964/1-A	Method Blank	Total/NA	Water	625.1 SIM	664964
LCSD 570-664964/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	664964

Analysis Batch: 668191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185646-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	625.1	664964
380-185646-3	MOANALUA WELLS	Total/NA	Water	625.1	664964
MB 570-664964/1-A	Method Blank	Total/NA	Water	625.1	664964

Analysis Batch: 668195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185646-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	625.1 SIM	664964
380-185646-3	MOANALUA WELLS	Total/NA	Water	625.1 SIM	664964
380-185646-1 MS	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	625.1 SIM	664964

GC/MS Semi VOA (Continued)

Analysis Batch: 668195 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185646-1 MSD	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	625.1 SIM	664964

GC VOA

Analysis Batch: 669820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185646-1	HALAWA WELLS UNITS 1 & 2 P1	Total/NA	Water	8015B GRO LL	
380-185646-2	TB: HALAWA WELLS UNITS 1 & 2	Total/NA	Water	8015B GRO LL	
380-185646-3	MOANALUA WELLS	Total/NA	Water	8015B GRO LL	
380-185646-4	TB:MOANALUA WELLS	Total/NA	Water	8015B GRO LL	
MB 570-669820/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-669820/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-669820/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-669820/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-185646-1 MS	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	8015B GRO LL	
380-185646-1 MSD	HALAWA WELLS UNITS 1 & 2	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 664976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185646-3	MOANALUA WELLS	Total/NA	Water	3510C	
MB 570-664976/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-664976/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-664976/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-664976/4-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 668161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185646-3	MOANALUA WELLS	Total/NA	Water	8015B	664976
MB 570-664976/1-A	Method Blank	Total/NA	Water	8015B	664976
LCS 570-664976/2-A	Lab Control Sample	Total/NA	Water	8015B	664976
LCSD 570-664976/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	664976
MRL 570-664976/4-A	Lab Control Sample	Total/NA	Water	8015B	664976

Lab Chronicle

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

Job ID: 380-185646-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Moanalua Wells

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1
Lab Sample ID: 380-185646-1
Date Collected: 12/01/25 10:52
Matrix: Water
Date Received: 12/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			190100	KRD3	EA POM	12/04/25 09:08
Total/NA	Analysis	525.2		1	190375	UPAC	EA POM	12/05/25 14:05
Total/NA	Prep	625.1			664964	VAW2	EET CAL 4	12/04/25 13:53
Total/NA	Analysis	625.1		1	668191	J7WE	EET CAL 4	12/11/25 10:09
Total/NA	Prep	625.1			664964	VAW2	EET CAL 4	12/04/25 13:53
Total/NA	Analysis	625.1 SIM		1	668195	PQS1	EET CAL 4	12/11/25 00:04
Total/NA	Analysis	8015B GRO LL		1	669820	YD9V	EET CAL 4	12/14/25 13:33

Client Sample ID: TB: HALAWA WELLS UNITS 1 & 2
Lab Sample ID: 380-185646-2
Date Collected: 12/01/25 10:52
Matrix: Water
Date Received: 12/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	669820	YD9V	EET CAL 4	12/14/25 19:41

Client Sample ID: MOANALUA WELLS
Lab Sample ID: 380-185646-3
Date Collected: 12/01/25 10:24
Matrix: Water
Date Received: 12/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			190100	KRD3	EA POM	12/04/25 09:08
Total/NA	Analysis	525.2		1	190375	UPAC	EA POM	12/05/25 14:25
Total/NA	Prep	625.1			664964	VAW2	EET CAL 4	12/04/25 13:53
Total/NA	Analysis	625.1		1	668191	J7WE	EET CAL 4	12/11/25 10:34
Total/NA	Prep	625.1			664964	VAW2	EET CAL 4	12/04/25 13:53
Total/NA	Analysis	625.1 SIM		1	668195	PQS1	EET CAL 4	12/11/25 00:25
Total/NA	Analysis	8015B GRO LL		1	669820	YD9V	EET CAL 4	12/14/25 15:24
Total/NA	Prep	3510C			664976	EP2G	EET CAL 4	12/04/25 12:51
Total/NA	Analysis	8015B		1	668161	H6FE	EET CAL 4	12/11/25 05:26

Client Sample ID: TB:MOANALUA WELLS
Lab Sample ID: 380-185646-4
Date Collected: 12/01/25 10:24
Matrix: Water
Date Received: 12/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	669820	YD9V	EET CAL 4	12/14/25 20:03

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 380-185646-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Moanalua Wells

Laboratory: Eurofins Eaton Analytical Pomona

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-26

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

Analysis Method	Prep Method	Matrix	Analyte
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: 380-185646-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Moanalua Wells

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: 380-185646-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Moanalua Wells

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 Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

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

Job ID: 380-185646-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD), Moanalua Wells

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-185646-1	HALAWA WELLS UNITS 1 & 2 P1	Water	12/01/25 10:52	12/03/25 10:30	Hawaii
380-185646-2	TB: HALAWA WELLS UNITS 1 & 2	Water	12/01/25 10:52	12/03/25 10:30	Hawaii
380-185646-3	MOANALUA WELLS	Water	12/01/25 10:24	12/03/25 10:30	Hawaii
380-185646-4	TB:MOANALUA WELLS	Water	12/01/25 10:24	12/03/25 10:30	Hawaii

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

Chain of Custody Record

eurofins | Environment Testing

380-185646 COC

Client Information	Sampler: bailey	Lab PM: Lopez, Maria	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)	626.1, 626.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_C8 - HNL Ranges: C10-C24/C24-C36/C8-C18	626.2_PREC - (MOD) 625plus Plus TICs	537.1_DW_PREC - 537.1 Full List	533 - All Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	R	RA	Q	QA	Y	I	X	
Halawa Wells Units 1 & 2 P1	1-Dec-2025	1052	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	1-Dec-2025	1052		Water				2						
Moanalua Wells	1-Dec-2025	1024	G	Water			2	3	2	2				pump running #1
Moanalua Wells (Matrix Spike)				Water										
Moanalua Wells (Matrix Spike Duplicate)				Water										
TB: Moanalua Wells	1-Dec-2025	1024		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: FedEx 1983 6951 8895
[redacted]	Date/Time: 02 dec. 2025 1400	Company: HBWS	Received by: Mark Urrutia Date/Time: 12/3/25 1030 Company: EAP
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company

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

Cooler Temperature(s) °C and Other Remarks: (FS1/1) 1.6 20.0 1.6 gel-frozen

Ver 04/02/2024

12/26/2025

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. 02DEC25
ACTWGT 58.00 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

E

J254025092401uv

WED - 03 DEC 12:00P
PRIORITY OVERNIGHT

2 of 4
MPS# 0263 **8866 5188 8900**
0201
Mstr# 8866 5188 8895

91768

WM ONTA

CA-US **ONT**

(751A) 20+0=20 gel-frozen
[signature] Mark Urrutia 12/3/25 0930

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

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. 02DEC25
ACTWGT 32.00 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

J2540250924Uv

4 of 4
MPS# 0263 8866 5188 8921
Mstr# 8866 5188 8895

WED - 03 DEC 12:00P
PRIORITY OVERNIGHT

0201

91768
ONT
CA-US

WM ONTA

(7S1A) 3.0 + 0 0 3.0 gel - frozen

Mark Arrieta
12/3/25 1030 EEAP

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

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: 02DEC25
ACTWGT: 58.00 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

E

J254025092401uv

WED - 03 DEC 12:00P
PRIORITY OVERNIGHT

3 of 4
MPS# 8866 5188 8910
0263
Mstr# 8866 5188 8895

0201

91768

WM ONTA

CA-US ONT

(751A) 3 9+0.0 3.9 gel-frozen
Mark Markwarten 12/3/25 1030

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
185646

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-282121.1
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 #: 380-185646-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 12/16/2025			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

380-185646 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 containers	Special Instructions/Note:
			Preservation Code:								
HALAWA WELLS UNITS 1 & 2 P1 (380-185646-1)	12/1/25	10:52 Hawaiian	G	Water			X	X	X	7	MRLs are needed. Confirm any hits >RL.
HALAWA WELLS UNITS 1 & 2 (380-185646-1MS)	12/1/25	10:52 Hawaiian	G	Water			X	X	X	3	MRLs are needed. Confirm any hits >RL.
HALAWA WELLS UNITS 1 & 2 (380-185646-1MSD)	12/1/25	10:52 Hawaiian	G	Water			X	X	X	3	MRLs are needed. Confirm any hits >RL.
TB: HALAWA WELLS UNITS 1 & 2 (380-185646-2)	12/1/25	10:52 Hawaiian	G	Water				X		2	MRLs are needed.
MOANALUA WELLS (380-185646-3)	12/1/25	10:24 Hawaiian	G	Water			X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB:MOANALUA WELLS (380-185646-4)	12/1/25	10:24 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 Urratia	12/3/25 1545	KEAP		12-3-25 1545	UP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	12-3-25 1705	UP		12-3-25 1705	
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: 1.7 | 2.2 IR-3

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-185646-1

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

Login Number: 185646

List Source: Eurofins Eaton Analytical 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: 380-185646-1

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

Login Number: 185646

List Source: Eurofins Calscience

List Number: 2

List Creation: 12/03/25 06:44 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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2
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	