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ANALYTICAL REPORT

PREPARED FOR

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City & County of Honolulu
630 South Beretania Street
Public Service Bldg. Room 310
Honolulu, Hawaii 96843

Generated 4/21/2026 12:04:05 PM

JOB DESCRIPTION

RED-HILL
Weekly: Halawa Shaft Viewing Pool

JOB NUMBER

380-207330-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

Job Notes

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

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

Compliance Statement

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

Authorization

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Authorized for release by
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Table of Contents

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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
380-207330-1

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 4/9/2026 10:00 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, 3.4°C, 4.0°C and 5.6°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
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: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL — Lab Sample ID: 380-207330-1

No Detections.

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL — Lab Sample ID: 380-207330-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL
Date Collected: 04/07/26 09:25
Date Received: 04/09/26 10:00

Lab Sample ID: 380-207330-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
2,4'-DDD	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
2,4'-DDE	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
2,4'-DDT	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
2,4-Dinitrotoluene	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
2,6-Dinitrotoluene	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
2-Methylnaphthalene	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
4,4'-DDD	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
4,4'-DDE	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
4,4'-DDT	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Acenaphthene	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Acenaphthylene	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Acetochlor	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Alachlor	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
alpha-BHC	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
alpha-Chlordane	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Anthracene	<0.019		0.019		ug/L		04/14/26 08:24	04/15/26 14:54	1
Atrazine	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Benz(a)anthracene	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Benzo[a]pyrene	<0.019		0.019		ug/L		04/14/26 08:24	04/15/26 14:54	1
Benzo[b]fluoranthene	<0.019	^+	0.019		ug/L		04/14/26 08:24	04/15/26 14:54	1
Benzo[g,h,i]perylene	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		04/14/26 08:24	04/15/26 14:54	1
beta-BHC	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		04/14/26 08:24	04/15/26 14:54	1
Bromacil	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Butachlor	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Butylbenzylphthalate	<0.48		0.48		ug/L		04/14/26 08:24	04/15/26 14:54	1
Chlorobenzilate	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Chloroneb	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Chlorothalonil (Draconil, Bravo)	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Chlorpyrifos	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Chrysene	<0.019		0.019		ug/L		04/14/26 08:24	04/15/26 14:54	1
delta-BHC	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		04/14/26 08:24	04/15/26 14:54	1
Dibenz(a,h)anthracene	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Diclorvos (DDVP)	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Dieldrin	<0.0096		0.0096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Diethylphthalate	<0.48		0.48		ug/L		04/14/26 08:24	04/15/26 14:54	1
Dimethylphthalate	<0.48		0.48		ug/L		04/14/26 08:24	04/15/26 14:54	1
Di-n-butyl phthalate	<0.96		0.96		ug/L		04/14/26 08:24	04/15/26 14:54	1
Di-n-octyl phthalate	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Endosulfan I (Alpha)	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Endosulfan II (Beta)	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Endosulfan sulfate	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Endrin	<0.0096		0.0096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Endrin aldehyde	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
EPTC	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Fluoranthene	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1

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

Job ID: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL
Date Collected: 04/07/26 09:25
Date Received: 04/09/26 10:00

Lab Sample ID: 380-207330-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
gamma-Chlordane	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Heptachlor	<0.0096		0.0096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Heptachlor epoxide (isomer B)	<0.0096		0.0096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Hexachlorobenzene	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Hexachlorocyclopentadiene	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Isophorone	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Lindane	<0.0096		0.0096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Malathion	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Methoxychlor	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Metolachlor	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Molinate	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Naphthalene	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Parathion	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Pendimethalin (Penoxaline)	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Phenanthrene	<0.038		0.038		ug/L		04/14/26 08:24	04/15/26 14:54	1
Propachlor	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Pyrene	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Simazine	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Terbacil	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Terbuthylazine	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Thiobencarb	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		04/14/26 08:24	04/15/26 14:54	1
trans-Nonachlor	<0.048		0.048		ug/L		04/14/26 08:24	04/15/26 14:54	1
Trifluralin	<0.096		0.096		ug/L		04/14/26 08:24	04/15/26 14:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*04/14/26 08:24*	*04/15/26 14:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*04/14/26 08:24*	*04/15/26 14:54*	*1*
Perylene-d12	*102*		*70 - 130*	*04/14/26 08:24*	*04/15/26 14:54*	*1*
Triphenylphosphate	*96*		*70 - 130*	*04/14/26 08:24*	*04/15/26 14:54*	*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		04/10/26 09:15	04/15/26 12:17	1
2-Methylnaphthalene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Acenaphthene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Acenaphthylene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Anthracene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Benzo[a]anthracene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Benzo[a]pyrene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Chrysene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Fluoranthene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-207330-1

Date Collected: 04/07/26 09:25
Date Received: 04/09/26 10:00

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Naphthalene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Phenanthrene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1
Pyrene	<0.19		0.19		ug/L		04/10/26 09:15	04/15/26 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*28 - 127*	*04/10/26 09:15*	*04/15/26 12:17*	*1*
2-Fluorobiphenyl (Surr)	*80*		*31 - 120*	*04/10/26 09:15*	*04/15/26 12:17*	*1*
2-Fluorophenol (Surr)	*50*		*17 - 120*	*04/10/26 09:15*	*04/15/26 12:17*	*1*
Nitrobenzene-d5 (Surr)	*87*		*27 - 120*	*04/10/26 09:15*	*04/15/26 12:17*	*1*
Phenol-d6 (Surr)	*31*		*10 - 120*	*04/10/26 09:15*	*04/15/26 12:17*	*1*
p-Terphenyl-d14 (Surr)	*77*		*45 - 120*	*04/10/26 09:15*	*04/15/26 12:17*	*1*

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

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*04/10/26 09:15*	*04/16/26 13:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*33 - 139*	*04/10/26 09:15*	*04/16/26 13:45*	*1*
2-Fluorobiphenyl (Surr)	*84*		*33 - 126*	*04/10/26 09:15*	*04/16/26 13:45*	*1*
2-Fluorophenol (Surr)	*52*		*12 - 120*	*04/10/26 09:15*	*04/16/26 13:45*	*1*
Nitrobenzene-d5 (Surr)	*85*		*36 - 120*	*04/10/26 09:15*	*04/16/26 13:45*	*1*
Phenol-d6 (Surr)	*32*		*10 - 120*	*04/10/26 09:15*	*04/16/26 13:45*	*1*
p-Terphenyl-d14 (Surr)	*81*		*47 - 131*	*04/10/26 09:15*	*04/16/26 13:45*	*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			04/18/26 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*38 - 134*		*04/18/26 00:20*	*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		04/10/26 09:57	04/12/26 17:25	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		04/10/26 09:57	04/12/26 17:25	1
C8-C18	<26		26		ug/L		04/10/26 09:57	04/12/26 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*60 - 130*	*04/10/26 09:57*	*04/12/26 17:25*	*1*

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-207330-2

Date Collected: 04/07/26 09:25
Date Received: 04/09/26 10:00

Matrix: Water

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			04/18/26 01:07	1

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

Job ID: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL
Date Collected: 04/07/26 09:25
Date Received: 04/09/26 10:00

Lab Sample ID: 380-207330-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		38 - 134		04/18/26 01:07	1

Action Limit Summary

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

Job ID: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-207330-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Alachlor	<0.048		ug/L	2	0.048	525.2	Total/NA
Atrazine	<0.048		ug/L	3	0.048	525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0096		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: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

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)							
380-207330-1	HALAWA SHAFT VIEWING POOL	97	102	96							
380-207341-R-1-B MS	Matrix Spike	103	97	119							
380-207665-T-1-A DU	Duplicate	97	92	107							
LCS 380-219747/23-A	Lab Control Sample	97	98	120							
MB 380-219747/21-A	Method Blank	96	89	115							
MRL 380-219747/22-A	Lab Control Sample	96	90	123							

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)		
380-207330-1	HALAWA SHAFT VIEWING POOL	68	84	52	85	32	81		
MB 570-722458/1-A	Method Blank	75	86	59	104	35	85		

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)		
380-207330-1	HALAWA SHAFT VIEWING POOL	84	80	50	87	31	77		
LCS 570-722458/2-A	Lab Control Sample	80	79	62	75	40	83		
LCSD 570-722458/3-A	Lab Control Sample Dup	89	86	69	81	46	92		
MB 570-722458/1-A	Method Blank	86	78	55	89	33	77		

Surrogate Legend

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

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-207330-1
Project/Site: RED-HILL
SDG: Weekly: Halawa Shaft Viewing Pool

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-207330-1	HALAWA SHAFT VIEWING POOL	105
380-207330-2	TB: HALAWA SHAFT VIEWING POOL	104
570-275047-D-4 MS	Matrix Spike	107
570-275047-E-4 MSD	Matrix Spike Duplicate	107
LCS 570-726079/3	Lab Control Sample	103
LCSD 570 726079/4	Lab Control Sample Dup	103
MB 570-726079/6	Method Blank	103
MRL 570-726079/5	Lab Control Sample	103

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-130)
380-206949-B-1-A MS	Matrix Spike	101
380-206949-B-1-B MSD	Matrix Spike Duplicate	106
380-207330-1	HALAWA SHAFT VIEWING POOL	92
LCS 570-722504/2-A	Lab Control Sample	104
LCSD 570-722504/3-A	Lab Control Sample Dup	98
MB 570-722504/1-A	Method Blank	92
MRL 570-722504/4-A	Lab Control Sample	96

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-219747/21-A
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 219747

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
2,4'-DDD	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
2,4'-DDE	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
2,4'-DDT	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
2-Methylnaphthalene	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
4,4'-DDD	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
4,4'-DDE	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
4,4'-DDT	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Acenaphthene	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Acenaphthylene	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Acetochlor	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Alachlor	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
alpha-BHC	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
alpha-Chlordane	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Anthracene	<0.020		0.020		ug/L		04/14/26 08:24	04/15/26 12:53	1
Atrazine	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Benz(a)anthracene	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Benzo[a]pyrene	<0.020		0.020		ug/L		04/14/26 08:24	04/15/26 12:53	1
Benzo[b]fluoranthene	<0.020	^+	0.020		ug/L		04/14/26 08:24	04/15/26 12:53	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		04/14/26 08:24	04/15/26 12:53	1
beta-BHC	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		04/14/26 08:24	04/15/26 12:53	1
Bromacil	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Butachlor	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Butylbenzylphthalate	<0.50		0.50		ug/L		04/14/26 08:24	04/15/26 12:53	1
Chlorobenzilate	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Chloroneb	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Chlorpyrifos	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Chrysene	<0.020		0.020		ug/L		04/14/26 08:24	04/15/26 12:53	1
delta-BHC	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		04/14/26 08:24	04/15/26 12:53	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Dieldrin	<0.0099		0.0099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Diethylphthalate	<0.50		0.50		ug/L		04/14/26 08:24	04/15/26 12:53	1
Dimethylphthalate	<0.50		0.50		ug/L		04/14/26 08:24	04/15/26 12:53	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		04/14/26 08:24	04/15/26 12:53	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Endosulfan sulfate	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Endrin	<0.0099		0.0099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Endrin aldehyde	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
EPTC	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1

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

Lab Sample ID: MB 380-219747/21-A
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 219747

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Fluorene	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
gamma-Chlordane	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Heptachlor	<0.0099		0.0099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Hexachlorobenzene	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Isophorone	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Lindane	<0.0099		0.0099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Malathion	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Methoxychlor	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Metolachlor	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Molinate	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Naphthalene	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Parathion	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Phenanthrene	<0.040		0.040		ug/L		04/14/26 08:24	04/15/26 12:53	1
Propachlor	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Pyrene	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Simazine	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Terbacil	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Terbuthylazine	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Thiobencarb	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		04/14/26 08:24	04/15/26 12:53	1
trans-Nonachlor	<0.050		0.050		ug/L		04/14/26 08:24	04/15/26 12:53	1
Trifluralin	<0.099		0.099		ug/L		04/14/26 08:24	04/15/26 12:53	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.802*	*T J*	*ug/L*		*3.02*	*N/A*	*04/14/26 08:24*	*04/15/26 12:53*	*1*
Undecane	*5.66*	*T J N*	*ug/L*		*3.17*	*1120-21-4*	*04/14/26 08:24*	*04/15/26 12:53*	*1*
Cyclopentasiloxane, decamethyl-	*0.609*	*T J N*	*ug/L*		*3.30*	*541-02-6*	*04/14/26 08:24*	*04/15/26 12:53*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.619*	*T J N*	*ug/L*		*3.92*	*540-97-6*	*04/14/26 08:24*	*04/15/26 12:53*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*04/14/26 08:24*	*04/15/26 12:53*	*1*
Perylene-d12	*89*		*70 - 130*	*04/14/26 08:24*	*04/15/26 12:53*	*1*
Triphenylphosphate	*115*		*70 - 130*	*04/14/26 08:24*	*04/15/26 12:53*	*1*

Lab Sample ID: LCS 380-219747/23-A
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 219747

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.99	1.98		ug/L		100	70 - 130
2,4'-DDD	1.99	1.94		ug/L		98	70 - 130
2,4'-DDE	1.99	1.71		ug/L		86	70 - 130
2,4'-DDT	1.99	2.31		ug/L		117	70 - 130

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

Lab Sample ID: LCS 380-219747/23-A
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 219747

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	1.99	2.09		ug/L		105	70 - 130
2,6-Dinitrotoluene	1.99	2.01		ug/L		101	70 - 130
2-Methylnaphthalene	1.99	2.00		ug/L		101	70 - 130
4,4'-DDD	1.99	2.34		ug/L		118	70 - 130
4,4'-DDE	1.99	1.88		ug/L		95	70 - 130
4,4'-DDT	1.99	2.50		ug/L		126	70 - 130
Acenaphthene	1.99	2.02		ug/L		102	70 - 130
Acenaphthylene	1.99	1.95		ug/L		98	70 - 130
Acetochlor	1.99	2.23		ug/L		112	70 - 130
Alachlor	1.99	2.01		ug/L		101	70 - 130
alpha-BHC	1.99	1.89		ug/L		95	70 - 130
alpha-Chlordane	1.99	1.93		ug/L		97	70 - 130
Anthracene	1.99	1.98		ug/L		100	70 - 130
Atrazine	1.99	2.10		ug/L		106	70 - 130
Benz(a)anthracene	1.99	2.38		ug/L		120	70 - 130
Benzo[a]pyrene	1.99	1.98		ug/L		100	70 - 130
Benzo[b]fluoranthene	1.99	2.16	^+	ug/L		109	70 - 130
Benzo[g,h,i]perylene	1.99	2.03		ug/L		102	70 - 130
Benzo[k]fluoranthene	1.99	1.93		ug/L		97	70 - 130
beta-BHC	1.99	1.92		ug/L		97	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	1.95		ug/L		98	70 - 130
Bromacil	1.99	1.98		ug/L		100	70 - 130
Butachlor	1.99	1.78		ug/L		90	70 - 130
Butylbenzylphthalate	1.99	2.37		ug/L		119	70 - 130
Chlorobenzilate	1.99	2.14		ug/L		108	70 - 130
Chloroneb	1.99	2.07		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	2.19		ug/L		110	70 - 130
Chlorpyrifos	1.99	2.11		ug/L		106	70 - 130
Chrysene	1.99	2.08		ug/L		105	70 - 130
delta-BHC	1.99	1.96		ug/L		99	70 - 130
Di(2-ethylhexyl)adipate	1.99	2.35		ug/L		118	70 - 130
Dibenz(a,h)anthracene	1.99	2.05		ug/L		103	70 - 130
Diclorvos (DDVP)	1.99	2.10		ug/L		106	70 - 130
Dieldrin	1.99	1.85		ug/L		93	70 - 130
Diethylphthalate	1.99	1.97		ug/L		99	70 - 130
Dimethylphthalate	1.99	2.10		ug/L		106	70 - 130
Di-n-butyl phthalate	3.97	4.56		ug/L		115	70 - 130
Di-n-octyl phthalate	1.99	1.93		ug/L		97	70 - 130
Endosulfan I (Alpha)	1.99	1.68		ug/L		85	70 - 130
Endosulfan II (Beta)	1.99	2.41		ug/L		121	70 - 130
Endosulfan sulfate	1.99	2.45		ug/L		123	70 - 130
Endrin	1.99	2.36		ug/L		119	70 - 130
Endrin aldehyde	1.99	2.44		ug/L		123	60 - 130
EPTC	1.99	2.12		ug/L		107	70 - 130
Fluoranthene	1.99	1.87		ug/L		94	70 - 130
Fluorene	1.99	1.92		ug/L		96	70 - 130
gamma-Chlordane	1.99	1.94		ug/L		98	70 - 130
Heptachlor	1.99	2.25		ug/L		113	70 - 130
Heptachlor epoxide (isomer B)	1.99	2.16		ug/L		109	70 - 130

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

Lab Sample ID: LCS 380-219747/23-A
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 219747

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	1.99	1.79		ug/L		90	70 - 130
Hexachlorocyclopentadiene	1.99	1.94		ug/L		98	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	2.02		ug/L		102	70 - 130
Isophorone	1.99	2.07		ug/L		104	70 - 130
Lindane	1.99	1.93		ug/L		97	70 - 130
Malathion	1.99	2.13		ug/L		107	70 - 130
Methoxychlor	1.99	2.15		ug/L		108	70 - 130
Metolachlor	1.99	2.01		ug/L		101	70 - 130
Molinate	1.99	2.16		ug/L		109	70 - 130
Naphthalene	1.99	2.04		ug/L		103	70 - 130
Parathion	1.99	2.29		ug/L		116	70 - 130
Pendimethalin (Penoxaline)	1.99	2.11		ug/L		106	70 - 130
Phenanthrene	1.99	2.01		ug/L		101	70 - 130
Propachlor	1.99	2.04		ug/L		103	70 - 130
Pyrene	1.99	1.87		ug/L		94	70 - 130
Simazine	1.99	2.03		ug/L		102	70 - 130
Terbacil	1.99	2.33		ug/L		118	70 - 130
Terbuthylazine	1.99	1.96		ug/L		99	70 - 130
Thiobencarb	1.99	2.13		ug/L		108	70 - 130
trans-Nonachlor	1.99	1.86		ug/L		94	70 - 130
Trifluralin	1.99	1.78		ug/L		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*98*		*70 - 130*
Triphenylphosphate	*120*		*70 - 130*

Lab Sample ID: MRL 380-219747/22-A
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 219747

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0990	0.110		ug/L		112	50 - 150
2,4'-DDD	0.0990	0.0872	J	ug/L		88	50 - 150
2,4'-DDE	0.0990	0.103		ug/L		104	50 - 150
2,4'-DDT	0.0990	0.127		ug/L		128	50 - 150
2,4-Dinitrotoluene	0.0990	0.119		ug/L		120	50 - 150
2,6-Dinitrotoluene	0.0990	0.134		ug/L		136	50 - 150
2-Methylnaphthalene	0.0990	0.103		ug/L		104	50 - 150
4,4'-DDD	0.0990	0.115		ug/L		116	50 - 150
4,4'-DDE	0.0990	0.0949	J	ug/L		96	50 - 150
4,4'-DDT	0.0990	0.137		ug/L		138	50 - 150
Acenaphthene	0.0990	0.101		ug/L		102	50 - 150
Acenaphthylene	0.0990	0.0863	J	ug/L		87	50 - 150
Acetochlor	0.0990	0.117		ug/L		118	50 - 150
Alachlor	0.0495	0.0594		ug/L		120	50 - 150
alpha-BHC	0.0990	0.0930	J	ug/L		94	50 - 150
alpha-Chlordane	0.0247	<0.029		ug/L		100	50 - 150

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

Lab Sample ID: MRL 380-219747/22-A
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 219747

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	0.0198	0.0238		ug/L		120	50 - 150
Atrazine	0.0495	0.0509		ug/L		103	50 - 150
Benz(a)anthracene	0.0495	0.0637		ug/L		129	50 - 150
Benzo[a]pyrene	0.0198	0.0221		ug/L		112	50 - 150
Benzo[b]fluoranthene	0.0198	0.0239	^+	ug/L		121	50 - 150
Benzo[g,h,i]perylene	0.0495	0.0492		ug/L		99	50 - 150
Benzo[k]fluoranthene	0.0198	0.0225		ug/L		113	50 - 150
beta-BHC	0.0990	0.108		ug/L		109	50 - 150
Bis(2-ethylhexyl) phthalate	0.594	0.572	J	ug/L		96	50 - 150
Bromacil	0.0990	0.117		ug/L		118	50 - 150
Butachlor	0.0495	0.0641		ug/L		130	50 - 150
Butylbenzylphthalate	0.495	0.627		ug/L		127	50 - 150
Chlorobenzilate	0.0990	0.123		ug/L		125	50 - 150
Chloroneb	0.0990	0.108		ug/L		110	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0990	0.102		ug/L		103	50 - 150
Chlorpyrifos	0.0495	0.0459	J	ug/L		93	50 - 150
Chrysene	0.0198	0.0230		ug/L		116	50 - 150
delta-BHC	0.0990	0.110		ug/L		111	50 - 150
Di(2-ethylhexyl)adipate	0.594	0.730		ug/L		123	50 - 150
Dibenz(a,h)anthracene	0.0495	0.0523		ug/L		106	50 - 150
Diclorvos (DDVP)	0.0495	0.0502		ug/L		102	50 - 150
Dieldrin	0.00990	0.0139		ug/L		140	50 - 150
Diethylphthalate	0.495	0.537		ug/L		108	50 - 150
Dimethylphthalate	0.495	0.508		ug/L		103	50 - 150
Di-n-butyl phthalate	0.495	0.741	J	ug/L		150	49 - 243
Di-n-octyl phthalate	0.0990	0.0982	J	ug/L		99	50 - 150
Endosulfan I (Alpha)	0.0990	0.0952	J	ug/L		96	50 - 150
Endosulfan II (Beta)	0.0990	0.111		ug/L		112	50 - 150
Endosulfan sulfate	0.0990	0.118		ug/L		119	50 - 150
Endrin	0.00990	0.0125		ug/L		127	50 - 150
Endrin aldehyde	0.0990	0.119		ug/L		120	50 - 150
EPTC	0.0990	0.0967	J	ug/L		98	50 - 150
Fluoranthene	0.0990	0.106		ug/L		107	50 - 150
Fluorene	0.0495	0.0530		ug/L		107	50 - 150
gamma-Chlordane	0.0247	0.0281	J	ug/L		114	50 - 150
Heptachlor	0.00990	0.0147		ug/L		149	50 - 150
Heptachlor epoxide (isomer B)	0.00990	0.0109		ug/L		110	50 - 150
Hexachlorobenzene	0.0495	0.0463	J	ug/L		93	50 - 150
Hexachlorocyclopentadiene	0.0495	0.0478	J	ug/L		97	50 - 150
Indeno[1,2,3-cd]pyrene	0.0495	0.0517		ug/L		105	50 - 150
Isophorone	0.0990	0.115		ug/L		116	50 - 150
Lindane	0.00990	0.0115		ug/L		116	50 - 150
Malathion	0.0990	0.115		ug/L		116	50 - 150
Methoxychlor	0.0495	0.0587		ug/L		119	50 - 150
Metolachlor	0.0495	0.0699		ug/L		141	50 - 150
Molinate	0.0990	0.0997		ug/L		101	50 - 150
Naphthalene	0.0990	0.120		ug/L		122	50 - 150
Parathion	0.0990	0.102		ug/L		103	50 - 150
Pendimethalin (Penoxaline)	0.0990	0.102		ug/L		104	50 - 150

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

Lab Sample ID: MRL 380-219747/22-A
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 219747

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Phenanthrene			0.0396	0.0446		ug/L		113	50 - 150		
Propachlor			0.0495	0.0504		ug/L		102	50 - 150		
Pyrene			0.0495	0.0459	J	ug/L		93	50 - 150		
Simazine			0.0495	0.0491		ug/L		99	50 - 150		
Terbacil			0.0990	0.111		ug/L		112	50 - 150		
Terbuthylazine			0.0990	0.0978	J	ug/L		99	50 - 150		
Thiobencarb			0.0990	0.109		ug/L		111	50 - 150		
trans-Nonachlor			0.0247	<0.026		ug/L		96	50 - 150		
Trifluralin			0.0990	0.0919	J	ug/L		93	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*90*		*70 - 130*
Triphenylphosphate	*123*		*70 - 130*

Lab Sample ID: 380-207341-R-1-B MS
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 219747

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene	<0.098		1.96	2.06		ug/L		105	70 - 130		
2,4'-DDD	<0.098		1.96	2.38		ug/L		121	70 - 130		
2,4'-DDE	<0.098		1.96	2.12		ug/L		108	70 - 130		
2,4'-DDT	<0.098		1.96	2.19		ug/L		111	70 - 130		
2,4-Dinitrotoluene	<0.098		1.96	2.24		ug/L		114	70 - 130		
2,6-Dinitrotoluene	<0.098		1.96	2.19		ug/L		111	70 - 130		
2-Methylnaphthalene	<0.098		1.96	2.10		ug/L		107	70 - 130		
4,4'-DDD	<0.098		1.96	2.37		ug/L		121	70 - 130		
4,4'-DDE	<0.098		1.96	2.29		ug/L		117	70 - 130		
4,4'-DDT	<0.098		1.96	2.38		ug/L		121	70 - 130		
Acenaphthene	<0.098		1.96	2.09		ug/L		107	70 - 130		
Acenaphthylene	<0.098		1.96	2.10		ug/L		107	70 - 130		
Acetochlor	<0.098		1.96	2.19		ug/L		112	70 - 130		
Alachlor	<0.049		1.96	2.24		ug/L		114	70 - 130		
alpha-BHC	<0.098		1.96	1.91		ug/L		97	70 - 130		
alpha-Chlordane	<0.049		1.96	2.52		ug/L		127	70 - 130		
Anthracene	<0.020		1.96	2.00		ug/L		102	70 - 130		
Atrazine	<0.049		1.96	2.18		ug/L		111	70 - 130		
Benz(a)anthracene	<0.049		1.96	2.38		ug/L		121	70 - 130		
Benzo[a]pyrene	<0.020		1.96	1.99		ug/L		102	70 - 130		
Benzo[b]fluoranthene	<0.020	^+	1.96	2.06	^+	ug/L		105	70 - 130		
Benzo[g,h,i]perylene	<0.049		1.96	1.77		ug/L		90	70 - 130		
Benzo[k]fluoranthene	<0.020		1.96	1.91		ug/L		97	70 - 130		
beta-BHC	<0.098		1.96	2.05		ug/L		104	70 - 130		
Bis(2-ethylhexyl) phthalate	<0.59		1.96	1.67		ug/L		85	70 - 130		
Bromacil	<0.098		1.96	2.06		ug/L		103	70 - 130		
Butachlor	<0.049		1.96	2.28		ug/L		116	70 - 130		
Butylbenzylphthalate	<0.49		1.96	2.35		ug/L		120	70 - 130		

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

Lab Sample ID: 380-207341-R-1-B MS
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 219747

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzilate	<0.098		1.96	2.41		ug/L		123	70 - 130
Chloroneb	<0.098		1.96	2.16		ug/L		110	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.96	2.29		ug/L		117	70 - 130
Chlorpyrifos	<0.049		1.96	2.07		ug/L		105	70 - 130
Chrysene	<0.020		1.96	2.06		ug/L		105	70 - 130
delta-BHC	<0.098		1.96	2.06		ug/L		105	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.96	2.09		ug/L		107	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	1.64		ug/L		84	70 - 130
Diclorvos (DDVP)	<0.049		1.96	2.24		ug/L		114	70 - 130
Dieldrin	0.072		1.96	2.49		ug/L		123	70 - 130
Diethylphthalate	<0.49		1.96	2.30		ug/L		117	70 - 130
Dimethylphthalate	<0.49		1.96	2.22		ug/L		113	70 - 130
Di-n-butyl phthalate	<0.98		3.92	4.51		ug/L		109	70 - 130
Di-n-octyl phthalate	<0.098		1.96	1.62		ug/L		82	70 - 130
Endosulfan I (Alpha)	<0.098		1.96	2.36		ug/L		120	70 - 130
Endosulfan II (Beta)	<0.098		1.96	2.47		ug/L		126	70 - 130
Endosulfan sulfate	<0.098		1.96	2.48		ug/L		127	70 - 130
Endrin	<0.0098	F1	1.96	2.69	F1	ug/L		137	70 - 130
Endrin aldehyde	<0.098		1.96	2.50		ug/L		127	60 - 130
EPTC	<0.098		1.96	2.24		ug/L		114	70 - 130
Fluoranthene	<0.098		1.96	2.21		ug/L		113	70 - 130
Fluorene	<0.049		1.96	2.20		ug/L		112	70 - 130
gamma-Chlordane	<0.049		1.96	2.45		ug/L		124	70 - 130
Heptachlor	<0.0098		1.96	2.19		ug/L		112	70 - 130
Heptachlor epoxide (isomer B)	0.015		1.96	2.23		ug/L		113	70 - 130
Hexachlorobenzene	<0.049		1.96	1.82		ug/L		93	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	2.07		ug/L		105	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	1.71		ug/L		87	70 - 130
Isophorone	<0.098		1.96	2.15		ug/L		110	70 - 130
Lindane	<0.0098		1.96	1.94		ug/L		99	70 - 130
Malathion	<0.098		1.96	2.11		ug/L		107	70 - 130
Methoxychlor	<0.049		1.96	2.17		ug/L		111	70 - 130
Metolachlor	<0.049		1.96	2.00		ug/L		102	70 - 130
Molinate	<0.098		1.96	2.25		ug/L		115	70 - 130
Naphthalene	<0.098		1.96	2.12		ug/L		108	70 - 130
Parathion	<0.098		1.96	2.20		ug/L		112	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.96	1.94		ug/L		99	70 - 130
Phenanthrene	<0.039		1.96	1.97		ug/L		101	70 - 130
Propachlor	<0.049		1.96	2.39		ug/L		122	70 - 130
Pyrene	<0.049		1.96	2.41		ug/L		123	70 - 130
Simazine	<0.049		1.96	2.13		ug/L		108	70 - 130
Terbacil	<0.098		1.96	2.32		ug/L		119	70 - 130
Terbuthylazine	<0.098		1.96	2.11		ug/L		108	70 - 130
Thiobencarb	<0.098		1.96	2.25		ug/L		115	70 - 130
trans-Nonachlor	<0.049		1.96	2.39		ug/L		121	70 - 130
Trifluralin	<0.098		1.96	1.86		ug/L		95	70 - 130

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

Lab Sample ID: 380-207341-R-1-B MS
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 219747

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	*103*		*70 - 130*
Perylene-d12	*97*		*70 - 130*
Triphenylphosphate	*119*		*70 - 130*

Lab Sample ID: 380-207665-T-1-A DU
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 219747

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.099			<0.097		ug/L				NC	20
2,4'-DDD	<0.099			<0.097		ug/L				NC	20
2,4'-DDE	<0.099			<0.097		ug/L				NC	20
2,4'-DDT	<0.099			<0.097		ug/L				NC	20
2,4-Dinitrotoluene	<0.099			<0.097		ug/L				NC	20
2,6-Dinitrotoluene	<0.099			<0.097		ug/L				NC	20
2-Methylnaphthalene	<0.099			<0.097		ug/L				NC	20
4,4'-DDD	<0.099			<0.097		ug/L				NC	20
4,4'-DDE	<0.099			<0.097		ug/L				NC	20
4,4'-DDT	<0.099			<0.097		ug/L				NC	20
Acenaphthene	<0.099			<0.097		ug/L				NC	20
Acenaphthylene	<0.099			<0.097		ug/L				NC	20
Acetochlor	<0.099			<0.097		ug/L				NC	20
Alachlor	<0.050			<0.049		ug/L				NC	20
alpha-BHC	<0.099			<0.097		ug/L				NC	20
alpha-Chlordane	<0.050			<0.049		ug/L				NC	20
Anthracene	<0.020			<0.019		ug/L				NC	20
Atrazine	<0.050			<0.049		ug/L				NC	20
Benz(a)anthracene	<0.050			<0.049		ug/L				NC	20
Benzo[a]pyrene	<0.020			<0.019		ug/L				NC	20
Benzo[b]fluoranthene	<0.020	^+		<0.019	^+	ug/L				NC	20
Benzo[g,h,i]perylene	<0.050			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.020			<0.019		ug/L				NC	20
beta-BHC	<0.099			<0.097		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.60			<0.58		ug/L				NC	20
Bromacil	<0.099			<0.097		ug/L				NC	20
Butachlor	<0.050			<0.049		ug/L				NC	20
Butylbenzylphthalate	<0.50			<0.49		ug/L				NC	20
Chlorobenzilate	<0.099			<0.097		ug/L				NC	20
Chloroneb	<0.099			<0.097		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.099			<0.097		ug/L				NC	20
Chlorpyrifos	<0.050			<0.049		ug/L				NC	20
Chrysene	<0.020			<0.019		ug/L				NC	20
delta-BHC	<0.099			<0.097		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.60			<0.58		ug/L				NC	20
Dibenz(a,h)anthracene	<0.050			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.050			<0.049		ug/L				NC	20
Dieldrin	0.015			0.0159		ug/L				9	20
Diethylphthalate	<0.50			<0.49		ug/L				NC	20

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

Lab Sample ID: 380-207665-T-1-A DU
Matrix: Water
Analysis Batch: 220139

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 219747

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dimethylphthalate	<0.50			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.99			<0.97		ug/L				NC	20
Di-n-octyl phthalate	<0.099			<0.097		ug/L				NC	20
Endosulfan I (Alpha)	<0.099			<0.097		ug/L				NC	20
Endosulfan II (Beta)	<0.099			<0.097		ug/L				NC	20
Endosulfan sulfate	<0.099			<0.097		ug/L				NC	20
Endrin	<0.0099			<0.0097		ug/L				NC	20
Endrin aldehyde	<0.099			<0.097		ug/L				NC	20
EPTC	<0.099			<0.097		ug/L				NC	20
Fluoranthene	<0.099			<0.097		ug/L				NC	20
Fluorene	<0.050			<0.049		ug/L				NC	20
gamma-Chlordane	<0.050			<0.049		ug/L				NC	20
Heptachlor	<0.0099			<0.0097		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0099			<0.0097		ug/L				NC	20
Hexachlorobenzene	<0.050			<0.049		ug/L				NC	20
Hexachlorocyclopentadiene	<0.050			<0.049		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.050			<0.049		ug/L				NC	20
Isophorone	<0.099			<0.097		ug/L				NC	20
Lindane	<0.0099			<0.0097		ug/L				NC	20
Malathion	<0.099			<0.097		ug/L				NC	20
Methoxychlor	<0.050			<0.049		ug/L				NC	20
Metolachlor	<0.050			<0.049		ug/L				NC	20
Molinate	<0.099			<0.097		ug/L				NC	20
Naphthalene	<0.099			<0.097		ug/L				NC	20
Parathion	<0.099			<0.097		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.099			<0.097		ug/L				NC	20
Phenanthrene	<0.040			<0.039		ug/L				NC	20
Propachlor	<0.050			<0.049		ug/L				NC	20
Pyrene	<0.050			<0.049		ug/L				NC	20
Simazine	<0.050			<0.049		ug/L				NC	20
Terbacil	<0.099			<0.097		ug/L				NC	20
Terbuthylazine	<0.099			<0.097		ug/L				NC	20
Thiobencarb	<0.099			<0.097		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.20			<0.19		ug/L				NC	20
trans-Nonachlor	<0.050			<0.049		ug/L				NC	20
Trifluralin	<0.099			<0.097		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*92*		*70 - 130*
Triphenylphosphate	*107*		*70 - 130*

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

Lab Sample ID: MB 570-722458/1-A
Matrix: Water
Analysis Batch: 725200

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722458

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	04/10/26 09:15	04/16/26 07:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		33 - 139	04/10/26 09:15	04/16/26 07:49	1
2-Fluorobiphenyl (Surr)	86		33 - 126	04/10/26 09:15	04/16/26 07:49	1
2-Fluorophenol (Surr)	59		12 - 120	04/10/26 09:15	04/16/26 07:49	1
Nitrobenzene-d5 (Surr)	104		36 - 120	04/10/26 09:15	04/16/26 07:49	1
Phenol-d6 (Surr)	35		10 - 120	04/10/26 09:15	04/16/26 07:49	1
p-Terphenyl-d14 (Surr)	85		47 - 131	04/10/26 09:15	04/16/26 07:49	1

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

Lab Sample ID: MB 570-722458/1-A
Matrix: Water
Analysis Batch: 724634

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722458

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
2-Methylnaphthalene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Acenaphthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Acenaphthylene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Anthracene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzo[a]anthracene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzo[a]pyrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Chrysene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Fluoranthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Fluorene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Naphthalene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Phenanthrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Pyrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		28 - 127	04/10/26 09:15	04/15/26 07:55	1
2-Fluorobiphenyl (Surr)	78		31 - 120	04/10/26 09:15	04/15/26 07:55	1
2-Fluorophenol (Surr)	55		17 - 120	04/10/26 09:15	04/15/26 07:55	1
Nitrobenzene-d5 (Surr)	89		27 - 120	04/10/26 09:15	04/15/26 07:55	1
Phenol-d6 (Surr)	33		10 - 120	04/10/26 09:15	04/15/26 07:55	1
p-Terphenyl-d14 (Surr)	77		45 - 120	04/10/26 09:15	04/15/26 07:55	1

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

Lab Sample ID: LCS 570-722458/2-A
Matrix: Water
Analysis Batch: 724634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722458

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	13.7		ug/L		69	43 - 120		
Acenaphthene			20.0	15.9		ug/L		80	60 - 132		
Acenaphthylene			20.0	16.1		ug/L		80	54 - 126		
Anthracene			20.0	16.0		ug/L		80	43 - 120		
Benzo[a]anthracene			20.0	16.8		ug/L		84	42 - 133		
Benzo[a]pyrene			20.0	17.6		ug/L		88	32 - 148		
Benzo[b]fluoranthene			20.0	17.4		ug/L		87	42 - 140		
Benzo[g,h,i]perylene			20.0	16.2		ug/L		81	1 - 195		
Benzo[k]fluoranthene			20.0	16.6		ug/L		83	25 - 146		
Chrysene			20.0	15.7		ug/L		79	44 - 140		
Dibenz(a,h)anthracene			20.0	17.1		ug/L		86	1 - 200		
Fluoranthene			20.0	16.9		ug/L		85	43 - 121		
Fluorene			20.0	16.2		ug/L		81	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	16.9		ug/L		84	1 - 151		
Naphthalene			20.0	13.3		ug/L		66	36 - 120		
Phenanthrene			20.0	16.0		ug/L		80	65 - 120		
Pyrene			20.0	16.6		ug/L		83	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*28 - 127*
2-Fluorobiphenyl (Surr)	*79*		*31 - 120*
2-Fluorophenol (Surr)	*62*		*17 - 120*
Nitrobenzene-d5 (Surr)	*75*		*27 - 120*
Phenol-d6 (Surr)	*40*		*10 - 120*
p-Terphenyl-d14 (Surr)	*83*		*45 - 120*

Lab Sample ID: LCSD 570-722458/3-A
Matrix: Water
Analysis Batch: 724634

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722458

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	15.6		ug/L		78	47 - 120	9	20
2-Methylnaphthalene			20.0	14.9		ug/L		75	43 - 120	8	20
Acenaphthene			20.0	17.8		ug/L		89	60 - 132	11	29
Acenaphthylene			20.0	18.0		ug/L		90	54 - 126	11	45
Anthracene			20.0	18.0		ug/L		90	43 - 120	12	40
Benzo[a]anthracene			20.0	19.0		ug/L		95	42 - 133	12	32
Benzo[a]pyrene			20.0	19.8		ug/L		99	32 - 148	12	43
Benzo[b]fluoranthene			20.0	19.3		ug/L		96	42 - 140	10	43
Benzo[g,h,i]perylene			20.0	18.1		ug/L		91	1 - 195	11	61
Benzo[k]fluoranthene			20.0	18.7		ug/L		94	25 - 146	12	38
Chrysene			20.0	17.6		ug/L		88	44 - 140	11	53
Dibenz(a,h)anthracene			20.0	19.2		ug/L		96	1 - 200	11	75
Fluoranthene			20.0	18.6		ug/L		93	43 - 121	9	40
Fluorene			20.0	18.2		ug/L		91	70 - 120	12	23
Indeno[1,2,3-cd]pyrene			20.0	18.8		ug/L		94	1 - 151	11	60
Naphthalene			20.0	14.6		ug/L		73	36 - 120	9	39

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

Lab Sample ID: LCSD 570-722458/3-A
Matrix: Water
Analysis Batch: 724634

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722458

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	17.8		ug/L		89	65 - 120	10	24
Pyrene			20.0	18.7		ug/L		94	70 - 120	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*28 - 127*
2-Fluorobiphenyl (Surr)	*86*		*31 - 120*
2-Fluorophenol (Surr)	*69*		*17 120*
Nitrobenzene-d5 (Surr)	*81*		*27 - 120*
Phenol-d6 (Surr)	*46*		*10 - 120*
p-Terphenyl-d14 (Surr)	*92*		*45 - 120*

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

Lab Sample ID: MB 570-726079/6
Matrix: Water
Analysis Batch: 726079

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			04/17/26 15:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*38 - 134*		*04/17/26 15:48*	*1*

Lab Sample ID: LCS 570-726079/3
Matrix: Water
Analysis Batch: 726079

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	421		ug/L		105	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*38 - 134*

Lab Sample ID: LCSD 570-726079/4
Matrix: Water
Analysis Batch: 726079

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	394		ug/L		98	78 - 120	7	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*38 - 134*

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

Lab Sample ID: MRL 570-726079/5
Matrix: Water
Analysis Batch: 726079

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	11.8		ug/L		118	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*38 - 134*

Lab Sample ID: 570-275047-D-4 MS
Matrix: Water
Analysis Batch: 726079

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)	<10		400	419		ug/L		105	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*38 - 134*

Lab Sample ID: 570-275047-E-4 MSD
Matrix: Water
Analysis Batch: 726079

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	<10		400	419		ug/L		105	68 - 122	0	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*38 - 134*

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

Lab Sample ID: MB 570-722504/1-A
Matrix: Water
Analysis Batch: 722774

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722504

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		04/10/26 09:56	04/10/26 22:15	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		04/10/26 09:56	04/10/26 22:15	1
C8-C18	<25		25		ug/L		04/10/26 09:56	04/10/26 22:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*60 - 130*	*04/10/26 09:56*	*04/10/26 22:15*	*1*

Lab Sample ID: LCS 570-722504/2-A
Matrix: Water
Analysis Batch: 722774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722504

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1530		ug/L		95	56 - 127		

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

Lab Sample ID: LCS 570-722504/2-A
Matrix: Water
Analysis Batch: 722774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722504

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	104		60 - 130

Lab Sample ID: LCSD 570-722504/3-A
Matrix: Water
Analysis Batch: 722774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722504

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1490		ug/L		93	56 - 127	2	23

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	98		60 - 130

Lab Sample ID: MRL 570-722504/4-A
Matrix: Water
Analysis Batch: 723209

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722504

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0253		mg/L		127	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	96		60 - 130

Lab Sample ID: 380-206949-B-1-A MS
Matrix: Water
Analysis Batch: 722774

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 722504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1700	1640		ug/L		97	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	101		60 - 130

Lab Sample ID: 380-206949-B-1-B MSD
Matrix: Water
Analysis Batch: 722774

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 722504

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1670	1690		ug/L		101	70 - 130	3	20

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

QC Association Summary

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

Job ID: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

GC/MS Semi VOA

Prep Batch: 219747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-207330-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	525.2	
MB 380-219747/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-219747/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-219747/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-207341-R-1-B MS	Matrix Spike	Total/NA	Water	525.2	
380-207665-T-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 220139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-207330-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	525.2	219747
MB 380-219747/21-A	Method Blank	Total/NA	Water	525.2	219747
LCS 380-219747/23-A	Lab Control Sample	Total/NA	Water	525.2	219747
MRL 380-219747/22-A	Lab Control Sample	Total/NA	Water	525.2	219747
380-207341-R-1-B MS	Matrix Spike	Total/NA	Water	525.2	219747
380-207665-T-1-A DU	Duplicate	Total/NA	Water	525.2	219747

Prep Batch: 722458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-207330-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1	
MB 570-722458/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-722458/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-722458/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 724634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-207330-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1 SIM	722458
MB 570-722458/1-A	Method Blank	Total/NA	Water	625.1 SIM	722458
LCS 570-722458/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	722458
LCSD 570-722458/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	722458

Analysis Batch: 725200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-207330-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1	722458
MB 570-722458/1-A	Method Blank	Total/NA	Water	625.1	722458

GC VOA

Analysis Batch: 726079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-207330-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B GRO LL	
380-207330-2	TB: HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B GRO LL	
MB 570-726079/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-726079/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-726079/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-726079/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
570-275047-D-4 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
570-275047-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

GC Semi VOA

Prep Batch: 722504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-207330-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	3510C	
MB 570-722504/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-722504/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-722504/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-722504/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-206949-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-206949-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 722774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-722504/1-A	Method Blank	Total/NA	Water	8015B	722504
LCS 570-722504/2-A	Lab Control Sample	Total/NA	Water	8015B	722504
LCSD 570-722504/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	722504
380-206949-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	722504
380-206949-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	722504

Analysis Batch: 723209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-207330-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B	722504
MRL 570-722504/4-A	Lab Control Sample	Total/NA	Water	8015B	722504

Lab Chronicle

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

Job ID: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-207330-1

Date Collected: 04/07/26 09:25
Matrix: Water
Date Received: 04/09/26 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			219747	OTM3	EA POM	04/14/26 08:24
Total/NA	Analysis	525.2		1	220139	UPAC	EA POM	04/15/26 14:54
Total/NA	Prep	625.1			722458	H1SH	EET CAL 4	04/10/26 09:15
Total/NA	Analysis	625.1		1	725200	PQS1	EET CAL 4	04/16/26 13:45
Total/NA	Prep	625.1			722458	H1SH	EET CAL 4	04/10/26 09:15
Total/NA	Analysis	625.1 SIM		1	724634	PQS1	EET CAL 4	04/15/26 12:17
Total/NA	Analysis	8015B GRO LL		1	726079	A9VE	EET CAL 4	04/18/26 00:20
Total/NA	Prep	3510C			722504	EP2G	EET CAL 4	04/10/26 09:57
Total/NA	Analysis	8015B		1	723209	UJ3K	EET CAL 4	04/12/26 17:25

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-207330-2

Date Collected: 04/07/26 09:25
Matrix: Water
Date Received: 04/09/26 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	726079	A9VE	EET CAL 4	04/18/26 01:07

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

Laboratory: Eurofins Pomona

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Water	1-Methylnaphthalene
525.2	525.2	Water	2,4'-DDD
525.2	525.2	Water	2,4'-DDE
525.2	525.2	Water	2,4'-DDT
525.2	525.2	Water	2,4-Dinitrotoluene
525.2	525.2	Water	2,6-Dinitrotoluene
525.2	525.2	Water	2-Methylnaphthalene
525.2	525.2	Water	4,4'-DDD
525.2	525.2	Water	4,4'-DDE
525 2	525 2	Water	4,4' DDT
525.2	525.2	Water	Acetochlor
525.2	525.2	Water	alpha-BHC
525.2	525.2	Water	alpha-Chlordane
525.2	525.2	Water	beta-BHC
525.2	525.2	Water	Chlorobenzilate
525.2	525.2	Water	Chloroneb
525.2	525.2	Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Water	Chlorpyrifos
525.2	525.2	Water	delta-BHC
525.2	525.2	Water	Diclorvos (DDVP)
525.2	525.2	Water	Endosulfan I (Alpha)
525.2	525.2	Water	Endosulfan II (Beta)
525.2	525.2	Water	Endosulfan sulfate
525.2	525.2	Water	Endrin aldehyde
525.2	525.2	Water	EPTC
525.2	525.2	Water	gamma-Chlordane
525.2	525.2	Water	Isophorone
525.2	525.2	Water	Malathion
525.2	525.2	Water	Parathion
525.2	525.2	Water	Pendimethalin (Penoxaline)
525.2	525.2	Water	Terbacil
525.2	525.2	Water	Terbuthylazine
525.2	525.2	Water	Total Permethrin (mixed isomers)
525.2	525.2	Water	trans-Nonachlor

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-27
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

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

Job ID: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

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	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 380-207330-1
SDG: Weekly: Halawa Shaft Viewing Pool

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-207330-1	HALAWA SHAFT VIEWING POOL	Water	04/07/26 09:25	04/09/26 10:00	Hawaii
380-207330-2	TB: HALAWA SHAFT VIEWING POOL	Water	04/07/26 09:25	04/09/26 10:00	Hawaii

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jason Rakofsky	Lab PM: Arada, Rachelle	Carrier Tracking No(s):	COC No: 380-28005-2757.1
Client Contact: Mr. Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street Chemistry Lab	Due Date Requested:			
City: Honolulu	TAT Requested (days):			
State, Zip: HI, 96843	Compliance Project: Δ 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

380-207330 COC

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)	625.1, 625.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C36/C8-C18	525.2_PREC - (MOD) 525plus Plus TICs	537.1_DW_PREC - 537.1 Full List	533 - All Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	R	RA	Q	QA	Y	I	X	
Halawa Shaft Viewing Pool	7-Apr-2026	0925	G	Water			2	3	2	2				
TB: Halawa Shaft Viewing Pool	7-Apr-2026		G	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: 8704 6049 3280			
[redacted]	Date/Time: 4/8/26 1100	Company HBWS	Received by: [signature] 4101	Date/Time: 4/9/26 10:00	Company EA
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: 6.0A/4.0 = 4.0 CF

Ver: 04/02/2024

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

SHIP DATE: 08APR26
ACTWGT: 54.00 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:

58KJ3/087D/4848

FedEx Express

2 of 4
MPS# 0263 8704 6049 3297
Mstr# 8704 6049 3286

THU - 09 APR 10:30A
PRIORITY OVERNIGHT

0201

91768

WM ONTA

CA-US ONT

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.

6 @ 1.6 = 1.6 BG

4401 4/9/26
10:00

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: 08APR26
ACTWGT: 54.00 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:

58KJ3/087D/4B4B

FedEx Express

4 of 4
MPS# 0263 8704 6049 3312
Mstr# 8704 6049 3286

THU - 09 APR 10:30A
PRIORITY OVERNIGHT

0201

91768
CA-US ONT

WM ONTA

6 CDA / 3-4 = 3-4 BOL

4/9/26
10:00

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: 08APR26
ACTWGT: 54.00 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:

58KJ3J087D/484B

FedEx Express

E

J261026012001uv

THU - 09 APR 10:30A
PRIORITY OVERNIGHT

3 of 4
MPS# 0263 8704 6049 3301
Mstr# 8704 6049 3286

0201

91768

WM ONTA

CA-US ONT

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.

6(A)/5-6 = 5-6 GO2

4401 4/9/26 10:00

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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

Chain of Custody Record

eurofins

Loc: 380
207330

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-322133.1
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 L		Accreditations Required (See note): State - Hawaii		Job #: 380-207330-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 4/22/2026			Preservation Code: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS/3510C_LL/NL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended PAH List	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	Total Number of containers	Special
			Preservation Code:									
HALAWA SHAFT VIEWING POOL (380-207330-1)	4/7/26	09:25 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: HALAWA SHAFT VIEWING POOL (380-207330-2)	4/7/26	09:25 Hawaiian	G	Water				X			2	MRLs are needed. Confirm any hits >RL.

380-207330 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater West, 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 Drinking Water and Wastewater West, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater West, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater West, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Mark Uccetta	4/9/26 1545	EEAP	Robert	4-9-26 1545	Way
2	Robert	4-9-26 1647	Way		4-9-26 1647	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	1.1 / 1.2 IR-4

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-207330-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 207330
List Number: 1
Creator: Edrosa, Rey

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	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: 380-207330-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 207330
List Number: 2
Creator: Ferreira, Bruno

List Source: Eurofins Calscience
List Creation: 04/09/26 06:48 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2
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	vu9z
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	