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ANALYTICAL REPORT

PREPARED FOR

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City & County of Honolulu
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Honolulu, Hawaii 96843

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JOB DESCRIPTION

RED-HILL
Weekly: Halawa Shaft Viewing Pool

JOB NUMBER

380-243694-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

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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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Definitions/Glossary

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

Job ID: 380-243694-1
SDG: Weekly: Halawa Shaft Viewing Pool

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
380-243694-1

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 10/22/2026 10:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.8°C and 2.5°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: 380-243694-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL — Lab Sample ID: 380-243694-1

No Detections.

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL — Lab Sample ID: 380-243694-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-243694-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL
Date Collected: 10/20/26 09:30
Date Received: 10/22/26 10:05

Lab Sample ID: 380-243694-1
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		10/23/26 14:49	10/26/26 15:37	1
2,4'-DDD	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
2,4'-DDE	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
2,4'-DDT	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
2,4-Dinitrotoluene	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
2,6-Dinitrotoluene	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
2-Methylnaphthalene	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
4,4'-DDD	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
4,4'-DDE	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
4,4'-DDT	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Acenaphthene	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Acenaphthylene	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Acetochlor	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Alachlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
alpha-BHC	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
alpha-Chlordane	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Anthracene	<0.019		0.019		ug/L		10/23/26 14:49	10/26/26 15:37	1
Atrazine	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Benz(a)anthracene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Benzo[a]pyrene	<0.019		0.019		ug/L		10/23/26 14:49	10/26/26 15:37	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		10/23/26 14:49	10/26/26 15:37	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		10/23/26 14:49	10/26/26 15:37	1
beta-BHC	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		10/23/26 14:49	10/26/26 15:37	1
Bromacil	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Butachlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Butylbenzylphthalate	<0.49		0.49		ug/L		10/23/26 14:49	10/26/26 15:37	1
Chlorobenzilate	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Chloroneb	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Chlorpyrifos	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Chrysene	<0.019		0.019		ug/L		10/23/26 14:49	10/26/26 15:37	1
delta-BHC	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		10/23/26 14:49	10/26/26 15:37	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Dieldrin	<0.0097		0.0097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Diethylphthalate	<0.49		0.49		ug/L		10/23/26 14:49	10/26/26 15:37	1
Dimethylphthalate	<0.49		0.49		ug/L		10/23/26 14:49	10/26/26 15:37	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		10/23/26 14:49	10/26/26 15:37	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Endosulfan sulfate	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Endrin	<0.0097		0.0097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Endrin aldehyde	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
EPTC	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Fluoranthene	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1

Client Sample ID: HALAWA SHAFT VIEWING POOL
Date Collected: 10/20/26 09:30
Date Received: 10/22/26 10:05

Lab Sample ID: 380-243694-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
gamma-Chlordane	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Heptachlor	<0.0097		0.0097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Hexachlorobenzene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Isophorone	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Lindane	<0.0097		0.0097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Malathion	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Methoxychlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Metolachlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Molinate	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Naphthalene	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Parathion	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Phenanthrene	<0.039		0.039		ug/L		10/23/26 14:49	10/26/26 15:37	1
Propachlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Pyrene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Simazine	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Terbacil	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Terbuthylazine	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Thiobencarb	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		10/23/26 14:49	10/26/26 15:37	1
trans-Nonachlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 15:37	1
Trifluralin	<0.097		0.097		ug/L		10/23/26 14:49	10/26/26 15:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*10/23/26 14:49*	*10/26/26 15:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*10/23/26 14:49*	*10/26/26 15:37*	*1*
Perylene-d12	*93*		*70 - 130*	*10/23/26 14:49*	*10/26/26 15:37*	*1*
Triphenylphosphate	*102*		*70 - 130*	*10/23/26 14:49*	*10/26/26 15:37*	*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		10/26/26 08:20	10/30/26 17:06	1
2-Methylnaphthalene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Acenaphthene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Acenaphthylene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Anthracene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Benzo[a]anthracene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Benzo[a]pyrene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Chrysene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Fluoranthene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-243694-1

Date Collected: 10/20/26 09:30
Matrix: Water
Date Received: 10/22/26 10:05

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		10/26/26 08:20	10/30/26 17:06	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Naphthalene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Phenanthrene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1
Pyrene	<0.19		0.19		ug/L		10/26/26 08:20	10/30/26 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*28 - 127*	*10/26/26 08:20*	*10/30/26 17:06*	*1*
2-Fluorobiphenyl (Surr)	*79*		*31 - 120*	*10/26/26 08:20*	*10/30/26 17:06*	*1*
2-Fluorophenol (Surr)	*55*		*17 - 120*	*10/26/26 08:20*	*10/30/26 17:06*	*1*
Nitrobenzene-d5 (Surr)	*87*		*27 - 120*	*10/26/26 08:20*	*10/30/26 17:06*	*1*
Phenol-d6 (Surr)	*30*		*10 - 120*	*10/26/26 08:20*	*10/30/26 17:06*	*1*
p-Terphenyl-d14 (Surr)	*77*		*45 - 120*	*10/26/26 08:20*	*10/30/26 17:06*	*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*	*10/26/26 08:20*	*10/30/26 04:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*33 - 139*	*10/26/26 08:20*	*10/30/26 04:51*	*1*
2-Fluorobiphenyl (Surr)	*88*		*33 - 126*	*10/26/26 08:20*	*10/30/26 04:51*	*1*
2-Fluorophenol (Surr)	*47*		*12 - 120*	*10/26/26 08:20*	*10/30/26 04:51*	*1*
Nitrobenzene-d5 (Surr)	*74*		*36 - 120*	*10/26/26 08:20*	*10/30/26 04:51*	*1*
Phenol-d6 (Surr)	*26*		*10 - 120*	*10/26/26 08:20*	*10/30/26 04:51*	*1*
p-Terphenyl-d14 (Surr)	*97*		*47 - 131*	*10/26/26 08:20*	*10/30/26 04:51*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			10/30/26 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*38 - 134*		*10/30/26 18:02*	*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		10/25/26 09:41	10/31/26 21:20	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		10/25/26 09:41	10/31/26 21:20	1
C8-C18	<26		26		ug/L		10/25/26 09:41	10/31/26 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*101*		*60 - 130*	*10/25/26 09:41*	*10/31/26 21:20*	*1*

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-243694-2

Date Collected: 10/20/26 09:30
Matrix: Water
Date Received: 10/22/26 10:05

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			10/30/26 15:21	1

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

Job ID: 380-243694-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL
Date Collected: 10/20/26 09:30
Date Received: 10/22/26 10:05

Lab Sample ID: 380-243694-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*100*		*38 - 134*		*10/30/26 15:21*	*1*

Action Limit Summary

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

Job ID: 380-243694-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-243694-1

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)	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-243694-1
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)							
380-243694-1	HALAWA SHAFT VIEWING POOL	97	93	102							
380-243722-B-1-A MS	Matrix Spike	95	89	107							
380-243722-B-1-B MSD	Matrix Spike Duplicate	96	87	108							
LCS 380-260934/23-A	Lab Control Sample	95	97	105							
MB 380-260934/21-A	Method Blank	97	90	103							
MRL 380-260934/22-A	Lab Control Sample	98	92	103							

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)		
380-243694-1	HALAWA SHAFT VIEWING POOL	78	88	47	74	26	97		
MB 570-821314/1-A	Method Blank	62	65	41	65	21	77		

Surrogate Legend

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

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

Matrix: 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)		
380-243694-1	HALAWA SHAFT VIEWING POOL	85	79	55	87	30	77		
LCS 570-821314/2-A	Lab Control Sample	77	79	66	67	37	80		
LCSD 570-821314/3-A	Lab Control Sample Dup	84	86	70	71	39	91		
MB 570-821314/1-A	Method Blank	64	58	47	71	26	68		

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: 380-243694-1
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)
380-243694-1	HALAWA SHAFT VIEWING POOL	101
380-243694-2	TB: HALAWA SHAFT VIEWING POOL	100
380-244779-B-1 MS	Matrix Spike	103
380-244779-B-1 MSD	Matrix Spike Duplicate	103
LCS 570-823996/3	Lab Control Sample	95
LCSD 570 823996/4	Lab Control Sample Dup	94
MB 570-823996/6	Method Blank	100
MRL 570-823996/5	Lab Control Sample	97

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)
380-243694-1	HALAWA SHAFT VIEWING POOL	101
380-244052-C-1-A MS	Matrix Spike	108
380-244052-C-1-B MSD	Matrix Spike Duplicate	111
LCS 570-821050/2-A	Lab Control Sample	112
LCSD 570-821050/3-A	Lab Control Sample Dup	97
MB 570-821050/1-A	Method Blank	110
MRL 570-821050/4-A	Lab Control Sample	97

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-260934/21-A
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260934

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
2,4'-DDD	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
2,4'-DDE	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
2,4'-DDT	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
2-Methylnaphthalene	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
4,4'-DDD	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
4,4'-DDE	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
4,4'-DDT	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Acenaphthene	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Acenaphthylene	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Acetochlor	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Alachlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
alpha-BHC	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
alpha-Chlordane	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Anthracene	<0.020		0.020		ug/L		10/23/26 14:49	10/26/26 13:35	1
Atrazine	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Benz(a)anthracene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Benzo[a]pyrene	<0.020		0.020		ug/L		10/23/26 14:49	10/26/26 13:35	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		10/23/26 14:49	10/26/26 13:35	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		10/23/26 14:49	10/26/26 13:35	1
beta-BHC	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		10/23/26 14:49	10/26/26 13:35	1
Bromacil	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Butachlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Butylbenzylphthalate	<0.49		0.49		ug/L		10/23/26 14:49	10/26/26 13:35	1
Chlorobenzilate	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Chloroneb	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Chlorpyrifos	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Chrysene	<0.020		0.020		ug/L		10/23/26 14:49	10/26/26 13:35	1
delta-BHC	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		10/23/26 14:49	10/26/26 13:35	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Dieldrin	<0.0098		0.0098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Diethylphthalate	<0.49		0.49		ug/L		10/23/26 14:49	10/26/26 13:35	1
Dimethylphthalate	<0.49		0.49		ug/L		10/23/26 14:49	10/26/26 13:35	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		10/23/26 14:49	10/26/26 13:35	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Endosulfan sulfate	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Endrin	<0.0098		0.0098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Endrin aldehyde	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
EPTC	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1

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

Lab Sample ID: MB 380-260934/21-A
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260934

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Fluorene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
gamma-Chlordane	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Heptachlor	<0.0098		0.0098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Hexachlorobenzene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Isophorone	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Lindane	<0.0098		0.0098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Malathion	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Methoxychlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Metolachlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Molinate	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Naphthalene	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Parathion	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Phenanthrene	<0.039		0.039		ug/L		10/23/26 14:49	10/26/26 13:35	1
Propachlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Pyrene	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Simazine	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Terbacil	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Terbuthylazine	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Thiobencarb	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		10/23/26 14:49	10/26/26 13:35	1
trans-Nonachlor	<0.049		0.049		ug/L		10/23/26 14:49	10/26/26 13:35	1
Trifluralin	<0.098		0.098		ug/L		10/23/26 14:49	10/26/26 13:35	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*5.41*	*T J N*	*ug/L*		*3.13*	*1120-21-4*	*10/23/26 14:49*	*10/26/26 13:35*	*1*
Plumbane, diethyldimethyl-	*1.11*	*T J N*	*ug/L*		*3.26*	*1762-27-2*	*10/23/26 14:49*	*10/26/26 13:35*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.800*	*T J N*	*ug/L*		*3.87*	*540-97-6*	*10/23/26 14:49*	*10/26/26 13:35*	*1*
Hexadecanamide	*0.590*	*T J N*	*ug/L*		*7.01*	*629-54-9*	*10/23/26 14:49*	*10/26/26 13:35*	*1*
9-Octadecenamide, (Z)-	*9.37*	*T J N*	*ug/L*		*7.87*	*301-02-0*	*10/23/26 14:49*	*10/26/26 13:35*	*1*
Octadecanamide	*0.542*	*T J N*	*ug/L*		*7.97*	*124-26-5*	*10/23/26 14:49*	*10/26/26 13:35*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*10/23/26 14:49*	*10/26/26 13:35*	*1*
Perylene-d12	*90*		*70 - 130*	*10/23/26 14:49*	*10/26/26 13:35*	*1*
Triphenylphosphate	*103*		*70 - 130*	*10/23/26 14:49*	*10/26/26 13:35*	*1*

Lab Sample ID: LCS 380-260934/23-A
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260934

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			1.96	2.15		ug/L		110	70 - 130		
2,4'-DDD			1.96	2.21		ug/L		113	70 - 130		

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

Lab Sample ID: LCS 380-260934/23-A
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260934

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDE	1.96	2.16		ug/L		110	70 - 130
2,4'-DDT	1.96	2.21		ug/L		113	70 - 130
2,4-Dinitrotoluene	1.96	2.26		ug/L		115	70 - 130
2,6-Dinitrotoluene	1.96	2.22		ug/L		113	70 - 130
2-Methylnaphthalene	1.96	2.17		ug/L		111	70 - 130
4,4'-DDD	1.96	2.35		ug/L		120	70 - 130
4,4'-DDE	1.96	2.15		ug/L		110	70 - 130
4,4'-DDT	1.96	2.21		ug/L		113	70 - 130
Acenaphthene	1.96	2.18		ug/L		111	70 - 130
Acenaphthylene	1.96	2.12		ug/L		108	70 - 130
Acetochlor	1.96	2.22		ug/L		113	70 - 130
Alachlor	1.96	2.21		ug/L		113	70 - 130
alpha-BHC	1.96	2.22		ug/L		113	70 - 130
alpha-Chlordane	1.96	2.19		ug/L		111	70 - 130
Anthracene	1.96	2.11		ug/L		108	70 - 130
Atrazine	1.96	2.33		ug/L		119	70 - 130
Benz(a)anthracene	1.96	2.37		ug/L		121	70 - 130
Benzo[a]pyrene	1.96	2.20		ug/L		112	70 - 130
Benzo[b]fluoranthene	1.96	2.32		ug/L		118	70 - 130
Benzo[g,h,i]perylene	1.96	2.19		ug/L		112	70 - 130
Benzo[k]fluoranthene	1.96	2.21		ug/L		113	70 - 130
beta-BHC	1.96	2.31		ug/L		118	70 - 130
Bis(2-ethylhexyl) phthalate	1.96	2.23		ug/L		114	70 - 130
Bromacil	1.96	2.04		ug/L		104	70 - 130
Butachlor	1.96	2.33		ug/L		119	70 - 130
Butylbenzylphthalate	1.96	2.40		ug/L		122	70 - 130
Chlorobenzilate	1.96	2.19		ug/L		112	70 - 130
Chloroneb	1.96	2.20		ug/L		112	70 - 130
Chlorothalonil (Draconil, Bravo)	1.96	2.21		ug/L		113	70 - 130
Chlorpyrifos	1.96	2.24		ug/L		114	70 - 130
Chrysene	1.96	2.25		ug/L		115	70 - 130
delta-BHC	1.96	2.20		ug/L		112	70 - 130
Di(2-ethylhexyl)adipate	1.96	2.44		ug/L		124	70 - 130
Dibenz(a,h)anthracene	1.96	2.20		ug/L		112	70 - 130
Diclorvos (DDVP)	1.96	2.10		ug/L		107	70 - 130
Dieldrin	1.96	2.07		ug/L		105	70 - 130
Diethylphthalate	1.96	2.31		ug/L		117	70 - 130
Dimethylphthalate	1.96	2.24		ug/L		114	70 - 130
Di-n-butyl phthalate	3.93	4.49		ug/L		114	70 - 130
Di-n-octyl phthalate	1.96	2.18		ug/L		111	70 - 130
Endosulfan I (Alpha)	1.96	2.16		ug/L		110	70 - 130
Endosulfan II (Beta)	1.96	2.11		ug/L		108	70 - 130
Endosulfan sulfate	1.96	1.99		ug/L		101	70 - 130
Endrin	1.96	2.16		ug/L		110	70 - 130
Endrin aldehyde	1.96	2.10		ug/L		107	60 - 130
EPTC	1.96	2.13		ug/L		109	70 - 130
Fluoranthene	1.96	2.34		ug/L		119	70 - 130
Fluorene	1.96	2.24		ug/L		114	70 - 130
gamma-Chlordane	1.96	2.30		ug/L		117	70 - 130

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

Lab Sample ID: LCS 380-260934/23-A
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260934

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor	1.96	2.02		ug/L		103	70 - 130
Heptachlor epoxide (isomer B)	1.96	2.14		ug/L		109	70 - 130
Hexachlorobenzene	1.96	2.12		ug/L		108	70 - 130
Hexachlorocyclopentadiene	1.96	2.15		ug/L		109	70 - 130
Indeno[1,2,3-cd]pyrene	1.96	2.17		ug/L		111	70 - 130
Isophorone	1.96	2.12		ug/L		108	70 - 130
Lindane	1.96	2.19		ug/L		111	70 - 130
Malathion	1.96	2.28		ug/L		116	70 - 130
Methoxychlor	1.96	2.24		ug/L		114	70 - 130
Metolachlor	1.96	2.19		ug/L		112	70 - 130
Molinate	1.96	2.24		ug/L		114	70 - 130
Naphthalene	1.96	2.06		ug/L		105	70 - 130
Parathion	1.96	2.29		ug/L		117	70 - 130
Pendimethalin (Penoxaline)	1.96	2.20		ug/L		112	70 - 130
Phenanthrene	1.96	2.24		ug/L		114	70 - 130
Propachlor	1.96	2.31		ug/L		117	70 - 130
Pyrene	1.96	2.34		ug/L		119	70 - 130
Simazine	1.96	2.31		ug/L		118	70 - 130
Terbacil	1.96	2.14		ug/L		109	70 - 130
Terbuthylazine	1.96	2.36		ug/L		120	70 - 130
Thiobencarb	1.96	2.33		ug/L		119	70 - 130
trans-Nonachlor	1.96	2.18		ug/L		111	70 - 130
Trifluralin	1.96	2.03		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*97*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

Lab Sample ID: MRL 380-260934/22-A
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260934

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0982	0.0930	J	ug/L		95	50 - 150
2,4'-DDD	0.0982	0.0913	J	ug/L		93	50 - 150
2,4'-DDE	0.0982	0.0983		ug/L		100	50 - 150
2,4'-DDT	0.0982	0.105		ug/L		107	50 - 150
2,4-Dinitrotoluene	0.0982	0.115		ug/L		117	50 - 150
2,6-Dinitrotoluene	0.0982	0.123		ug/L		125	50 - 150
2-Methylnaphthalene	0.0982	0.0988		ug/L		101	50 - 150
4,4'-DDD	0.0982	0.113		ug/L		115	50 - 150
4,4'-DDE	0.0982	0.0990		ug/L		101	50 - 150
4,4'-DDT	0.0982	0.107		ug/L		109	50 - 150
Acenaphthene	0.0982	0.0940	J	ug/L		96	50 - 150
Acenaphthylene	0.0982	0.0773	J	ug/L		79	50 - 150
Acetochlor	0.0982	0.101		ug/L		103	50 - 150
Alachlor	0.0491	0.0528		ug/L		108	50 - 150

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

Lab Sample ID: MRL 380-260934/22-A
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260934

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	0.0982	0.0962	J	ug/L		98	50 - 150
alpha-Chlordane	0.0245	<0.028		ug/L		106	50 - 150
Anthracene	0.0196	0.0203		ug/L		103	50 - 150
Atrazine	0.0491	0.0481	J	ug/L		98	50 - 150
Benz(a)anthracene	0.0491	0.0537		ug/L		109	50 - 150
Benzo[a]pyrene	0.0196	0.0165	J	ug/L		84	50 - 150
Benzo[b]fluoranthene	0.0196	0.0187	J	ug/L		95	50 - 150
Benzo[g,h,i]perylene	0.0491	0.0474	J	ug/L		97	50 - 150
Benzo[k]fluoranthene	0.0196	0.0218		ug/L		111	50 - 150
beta-BHC	0.0982	0.102		ug/L		104	50 - 150
Bis(2-ethylhexyl) phthalate	0.589	0.673		ug/L		114	50 - 150
Bromacil	0.0982	0.107		ug/L		109	50 - 150
Butachlor	0.0491	0.0562		ug/L		115	50 - 150
Butylbenzylphthalate	0.491	0.592		ug/L		121	50 - 150
Chlorobenzilate	0.0982	0.102		ug/L		104	50 - 150
Chloroneb	0.0982	0.110		ug/L		112	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0982	0.0981		ug/L		100	50 - 150
Chlorpyrifos	0.0491	0.0572		ug/L		117	50 - 150
Chrysene	0.0196	0.0225		ug/L		114	50 - 150
delta-BHC	0.0982	0.109		ug/L		111	50 - 150
Di(2-ethylhexyl)adipate	0.589	0.719		ug/L		122	50 - 150
Dibenz(a,h)anthracene	0.0491	0.0467	J	ug/L		95	50 - 150
Diclorvos (DDVP)	0.0491	0.0477	J	ug/L		97	50 - 150
Dieldrin	0.00982	0.00788	J	ug/L		80	50 - 150
Diethylphthalate	0.491	0.559		ug/L		114	50 - 150
Dimethylphthalate	0.491	0.540		ug/L		110	50 - 150
Di-n-butyl phthalate	0.491	0.564	J	ug/L		115	49 - 243
Di-n-octyl phthalate	0.0982	0.106		ug/L		108	50 - 150
Endosulfan I (Alpha)	0.0982	0.0898	J	ug/L		91	50 - 150
Endosulfan II (Beta)	0.0982	0.136		ug/L		139	50 - 150
Endosulfan sulfate	0.0982	0.102		ug/L		104	50 - 150
Endrin	0.00982	0.0102		ug/L		104	50 - 150
Endrin aldehyde	0.0982	0.0949	J	ug/L		97	50 - 150
EPTC	0.0982	0.0895	J	ug/L		91	50 - 150
Fluoranthene	0.0982	0.101		ug/L		103	50 - 150
Fluorene	0.0491	0.0494		ug/L		101	50 - 150
gamma-Chlordane	0.0245	0.0251	J	ug/L		102	50 - 150
Heptachlor	0.00982	0.00915	J	ug/L		93	50 - 150
Heptachlor epoxide (isomer B)	0.00982	0.0130		ug/L		132	50 - 150
Hexachlorobenzene	0.0491	0.0442	J	ug/L		90	50 - 150
Hexachlorocyclopentadiene	0.0491	0.0468	J	ug/L		95	50 - 150
Indeno[1,2,3-cd]pyrene	0.0491	0.0447	J	ug/L		91	50 - 150
Isophorone	0.0982	0.0913	J	ug/L		93	50 - 150
Lindane	0.00982	0.00902	J	ug/L		92	50 - 150
Malathion	0.0982	0.105		ug/L		107	50 - 150
Methoxychlor	0.0491	0.0484	J	ug/L		99	50 - 150
Metolachlor	0.0491	0.0485	J	ug/L		99	50 - 150
Molinate	0.0982	0.106		ug/L		108	50 - 150
Naphthalene	0.0982	0.0910	J	ug/L		93	50 - 150

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

Lab Sample ID: MRL 380-260934/22-A
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260934

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Parathion	0.0982	0.102		ug/L		104	50 - 150
Pendimethalin (Penoxaline)	0.0982	0.0938	J	ug/L		96	50 - 150
Phenanthrene	0.0393	0.0388	J	ug/L		99	50 - 150
Propachlor	0.0491	0.0500		ug/L		102	50 - 150
Pyrene	0.0491	0.0511		ug/L		104	50 - 150
Simazine	0.0491	0.0522		ug/L		106	50 - 150
Terbacil	0.0982	0.0823	J	ug/L		84	50 - 150
Terbuthylazine	0.0982	0.110		ug/L		112	50 - 150
Thiobencarb	0.0982	0.111		ug/L		113	50 - 150
trans-Nonachlor	0.0245	0.0269	J	ug/L		110	50 - 150
Trifluralin	0.0982	0.0875	J	ug/L		89	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*92*		*70 - 130*
Triphenylphosphate	*103*		*70 - 130*

Lab Sample ID: 380-243722-B-1-A MS
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 260934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.94	2.16		ug/L		111	70 - 130
2,4'-DDD	<0.097		1.94	2.05		ug/L		105	70 - 130
2,4'-DDE	<0.097		1.94	1.96		ug/L		101	70 - 130
2,4'-DDT	<0.097		1.94	2.00		ug/L		103	70 - 130
2,4-Dinitrotoluene	<0.097		1.94	2.36		ug/L		121	70 - 130
2,6-Dinitrotoluene	<0.097		1.94	2.29		ug/L		118	70 - 130
2-Methylnaphthalene	<0.097		1.94	2.16		ug/L		111	70 - 130
4,4'-DDD	<0.097		1.94	2.24		ug/L		115	70 - 130
4,4'-DDE	<0.097		1.94	1.98		ug/L		102	70 - 130
4,4'-DDT	<0.097		1.94	1.98		ug/L		102	70 - 130
Acenaphthene	<0.097		1.94	2.16		ug/L		111	70 - 130
Acenaphthylene	<0.097		1.94	2.23		ug/L		115	70 - 130
Acetochlor	<0.097		1.94	2.22		ug/L		114	70 - 130
Alachlor	<0.049		1.94	2.26		ug/L		116	70 - 130
alpha-BHC	<0.097		1.94	2.20		ug/L		113	70 - 130
alpha-Chlordane	<0.049		1.94	2.09		ug/L		108	70 - 130
Anthracene	<0.019		1.94	2.05		ug/L		105	70 - 130
Atrazine	<0.049		1.94	2.12		ug/L		109	70 - 130
Benz(a)anthracene	<0.049		1.94	2.20		ug/L		113	70 - 130
Benzo[a]pyrene	<0.019	F1	1.94	2.77	F1	ug/L		143	70 - 130
Benzo[b]fluoranthene	<0.019	F1	1.94	2.83	F1	ug/L		146	70 - 130
Benzo[g,h,i]perylene	<0.049		1.94	2.49		ug/L		128	70 - 130
Benzo[k]fluoranthene	<0.019	F1	1.94	2.66	F1	ug/L		137	70 - 130
beta-BHC	<0.097		1.94	2.26		ug/L		116	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.94	2.50		ug/L		118	70 - 130
Bromacil	<0.097		1.94	1.40		ug/L		72	70 - 130

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

Lab Sample ID: 380-243722-B-1-A MS
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 260934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Butachlor	<0.049		1.94	2.43		ug/L		125	70 - 130
Butylbenzylphthalate	<0.49		1.94	2.46		ug/L		127	70 - 130
Chlorobenzilate	<0.097		1.94	2.37		ug/L		122	70 - 130
Chloroneb	<0.097		1.94	2.19		ug/L		113	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.94	2.17		ug/L		111	70 - 130
Chlorpyrifos	<0.049		1.94	2.23		ug/L		115	70 - 130
Chrysene	<0.019	F1	1.94	2.73	F1	ug/L		141	70 - 130
delta-BHC	<0.097		1.94	2.26		ug/L		116	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.94	2.06		ug/L		106	70 - 130
Dibenz(a,h)anthracene	<0.049	F1	1.94	2.58	F1	ug/L		133	70 - 130
Diclorvos (DDVP)	<0.049		1.94	1.96		ug/L		101	70 - 130
Dieldrin	<0.0097		1.94	1.98		ug/L		102	70 - 130
Diethylphthalate	<0.49		1.94	2.40		ug/L		119	70 - 130
Dimethylphthalate	<0.49		1.94	2.22		ug/L		114	70 - 130
Di-n-butyl phthalate	<0.97		3.89	4.58		ug/L		112	70 - 130
Di-n-octyl phthalate	<0.097		1.94	1.92		ug/L		99	70 - 130
Endosulfan I (Alpha)	<0.097		1.94	2.05		ug/L		106	70 - 130
Endosulfan II (Beta)	<0.097		1.94	2.11		ug/L		108	70 - 130
Endosulfan sulfate	<0.097		1.94	1.95		ug/L		100	70 - 130
Endrin	<0.0097		1.94	2.11		ug/L		109	70 - 130
Endrin aldehyde	<0.097		1.94	1.34		ug/L		69	60 - 130
EPTC	<0.097		1.94	2.17		ug/L		111	70 - 130
Fluoranthene	<0.097		1.94	2.30		ug/L		119	70 - 130
Fluorene	<0.049		1.94	2.27		ug/L		117	70 - 130
gamma-Chlordane	<0.049		1.94	2.20		ug/L		113	70 - 130
Heptachlor	<0.0097		1.94	1.93		ug/L		99	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.94	2.16		ug/L		111	70 - 130
Hexachlorobenzene	<0.049		1.94	2.08		ug/L		107	70 - 130
Hexachlorocyclopentadiene	<0.049		1.94	2.07		ug/L		106	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.94	2.50		ug/L		129	70 - 130
Isophorone	<0.097		1.94	2.04		ug/L		105	70 - 130
Lindane	<0.0097		1.94	2.20		ug/L		113	70 - 130
Malathion	<0.097		1.94	2.31		ug/L		119	70 - 130
Methoxychlor	<0.049	F1	1.94	3.08	F1	ug/L		158	70 - 130
Metolachlor	<0.049		1.94	2.20		ug/L		113	70 - 130
Molinate	<0.097		1.94	2.27		ug/L		117	70 - 130
Naphthalene	<0.097		1.94	2.07		ug/L		107	70 - 130
Parathion	<0.097		1.94	2.47		ug/L		127	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.94	2.30		ug/L		118	70 - 130
Phenanthrene	<0.039		1.94	2.24		ug/L		115	70 - 130
Propachlor	<0.049		1.94	2.33		ug/L		120	70 - 130
Pyrene	<0.049		1.94	2.30		ug/L		118	70 - 130
Simazine	<0.049		1.94	1.93		ug/L		99	70 - 130
Terbacil	<0.097		1.94	1.61		ug/L		83	70 - 130
Terbuthylazine	<0.097		1.94	2.38		ug/L		122	70 - 130
Thiobencarb	<0.097		1.94	2.36		ug/L		121	70 - 130
trans-Nonachlor	<0.049		1.94	2.08		ug/L		107	70 - 130
Trifluralin	<0.097		1.94	2.14		ug/L		110	70 - 130

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

Lab Sample ID: 380-243722-B-1-A MS
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 260934

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*89*		*70 - 130*
Triphenylphosphate	*107*		*70 - 130*

Lab Sample ID: 380-243722-B-1-B MSD
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 260934

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.097		1.96	2.14		ug/L		109	70 - 130	1	20
2,4'-DDD	<0.097		1.96	2.03		ug/L		104	70 - 130	1	20
2,4'-DDE	<0.097		1.96	1.93		ug/L		98	70 - 130	2	20
2,4'-DDT	<0.097		1.96	1.93		ug/L		99	70 - 130	3	20
2,4-Dinitrotoluene	<0.097		1.96	2.42		ug/L		123	70 - 130	3	20
2,6-Dinitrotoluene	<0.097		1.96	2.39		ug/L		122	70 - 130	4	20
2-Methylnaphthalene	<0.097		1.96	2.15		ug/L		110	70 - 130	0	20
4,4'-DDD	<0.097		1.96	2.21		ug/L		113	70 - 130	1	20
4,4'-DDE	<0.097		1.96	1.96		ug/L		100	70 - 130	1	20
4,4'-DDT	<0.097		1.96	1.95		ug/L		99	70 - 130	2	20
Acenaphthene	<0.097		1.96	2.15		ug/L		110	70 - 130	0	20
Acenaphthylene	<0.097		1.96	2.20		ug/L		113	70 - 130	1	20
Acetochlor	<0.097		1.96	2.22		ug/L		113	70 - 130	0	20
Alachlor	<0.049		1.96	2.28		ug/L		116	70 - 130	1	20
alpha-BHC	<0.097		1.96	2.21		ug/L		113	70 - 130	1	20
alpha-Chlordane	<0.049		1.96	2.12		ug/L		108	70 - 130	1	20
Anthracene	<0.019		1.96	2.10		ug/L		107	70 - 130	3	20
Atrazine	<0.049		1.96	2.16		ug/L		110	70 - 130	2	20
Benz(a)anthracene	<0.049		1.96	2.17		ug/L		111	70 - 130	1	20
Benzo[a]pyrene	<0.019	F1	1.96	2.80	F1	ug/L		143	70 - 130	1	20
Benzo[b]fluoranthene	<0.019	F1	1.96	2.89	F1	ug/L		147	70 - 130	2	20
Benzo[g,h,i]perylene	<0.049		1.96	2.38		ug/L		122	70 - 130	5	20
Benzo[k]fluoranthene	<0.019	F1	1.96	2.57	F1	ug/L		131	70 - 130	3	20
beta-BHC	<0.097		1.96	2.26		ug/L		115	70 - 130	0	20
Bis(2-ethylhexyl) phthalate	<0.58		1.96	2.61		ug/L		123	70 - 130	4	20
Bromacil	<0.097		1.96	1.56		ug/L		80	70 - 130	10	20
Butachlor	<0.049		1.96	2.44		ug/L		124	70 - 130	1	20
Butylbenzylphthalate	<0.49		1.96	2.50		ug/L		127	70 - 130	1	20
Chlorobenzilate	<0.097		1.96	2.42		ug/L		124	70 - 130	2	20
Chloroneb	<0.097		1.96	2.18		ug/L		112	70 - 130	0	20
Chlorothalonil (Draconil, Bravo)	<0.097		1.96	2.19		ug/L		112	70 - 130	1	20
Chlorpyrifos	<0.049		1.96	2.19		ug/L		112	70 - 130	2	20
Chrysene	<0.019	F1	1.96	2.84	F1	ug/L		145	70 - 130	4	20
delta-BHC	<0.097		1.96	2.22		ug/L		114	70 - 130	2	20
Di(2-ethylhexyl)adipate	<0.58		1.96	2.05		ug/L		104	70 - 130	1	20
Dibenz(a,h)anthracene	<0.049	F1	1.96	2.55		ug/L		130	70 - 130	1	20
Diclorvos (DDVP)	<0.049		1.96	2.06		ug/L		105	70 - 130	5	20
Dieldrin	<0.0097		1.96	1.98		ug/L		101	70 - 130	0	20
Diethylphthalate	<0.49		1.96	2.43		ug/L		119	70 - 130	1	20

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

Lab Sample ID: 380-243722-B-1-B MSD
Matrix: Water
Analysis Batch: 261293

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 260934

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dimethylphthalate	<0.49		1.96	2.23		ug/L		114	70 - 130	0	20
Di-n-butyl phthalate	<0.97		3.92	4.61		ug/L		112	70 - 130	1	20
Di-n-octyl phthalate	<0.097		1.96	1.95		ug/L		99	70 - 130	1	20
Endosulfan I (Alpha)	<0.097		1.96	2.11		ug/L		108	70 - 130	3	20
Endosulfan II (Beta)	<0.097		1.96	2.15		ug/L		110	70 - 130	2	20
Endosulfan sulfate	<0.097		1.96	1.97		ug/L		100	70 - 130	1	20
Endrin	<0.0097		1.96	2.15		ug/L		110	70 - 130	2	20
Endrin aldehyde	<0.097		1.96	1.27		ug/L		65	60 - 130	6	20
EPTC	<0.097		1.96	2.15		ug/L		110	70 - 130	0	20
Fluoranthene	<0.097		1.96	2.26		ug/L		115	70 - 130	2	20
Fluorene	<0.049		1.96	2.26		ug/L		115	70 - 130	1	20
gamma-Chlordane	<0.049		1.96	2.18		ug/L		111	70 - 130	1	20
Heptachlor	<0.0097		1.96	1.94		ug/L		99	70 - 130	1	20
Heptachlor epoxide (isomer B)	<0.0097		1.96	2.22		ug/L		113	70 - 130	2	20
Hexachlorobenzene	<0.049		1.96	2.03		ug/L		104	70 - 130	3	20
Hexachlorocyclopentadiene	<0.049		1.96	2.06		ug/L		105	70 - 130	0	20
Indeno[1,2,3-cd]pyrene	<0.049		1.96	2.55		ug/L		130	70 - 130	2	20
Isophorone	<0.097		1.96	2.08		ug/L		106	70 - 130	2	20
Lindane	<0.0097		1.96	2.15		ug/L		110	70 - 130	2	20
Malathion	<0.097		1.96	2.36		ug/L		120	70 - 130	2	20
Methoxychlor	<0.049	F1	1.96	3.20	F1	ug/L		163	70 - 130	4	20
Metolachlor	<0.049		1.96	2.21		ug/L		113	70 - 130	1	20
Molinate	<0.097		1.96	2.29		ug/L		117	70 - 130	1	20
Naphthalene	<0.097		1.96	2.07		ug/L		105	70 - 130	0	20
Parathion	<0.097		1.96	2.50		ug/L		128	70 - 130	1	20
Pendimethalin (Penoxaline)	<0.097		1.96	2.32		ug/L		118	70 - 130	1	20
Phenanthrene	<0.039		1.96	2.26		ug/L		115	70 - 130	1	20
Propachlor	<0.049		1.96	2.36		ug/L		121	70 - 130	1	20
Pyrene	<0.049		1.96	2.26		ug/L		116	70 - 130	2	20
Simazine	<0.049		1.96	2.02		ug/L		103	70 - 130	5	20
Terbacil	<0.097		1.96	1.76		ug/L		90	70 - 130	9	20
Terbuthylazine	<0.097		1.96	2.36		ug/L		120	70 - 130	1	20
Thiobencarb	<0.097		1.96	2.37		ug/L		121	70 - 130	1	20
trans-Nonachlor	<0.049		1.96	2.07		ug/L		106	70 - 130	0	20
Trifluralin	<0.097		1.96	2.16		ug/L		110	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*87*		*70 - 130*
Triphenylphosphate	*108*		*70 - 130*

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

Lab Sample ID: MB 570-821314/1-A
Matrix: Water
Analysis Batch: 823736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 821314

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	10/26/26 08:20	10/29/26 20:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		33 - 139	10/26/26 08:20	10/29/26 20:41	1
2-Fluorobiphenyl (Surr)	65		33 - 126	10/26/26 08:20	10/29/26 20:41	1
2-Fluorophenol (Surr)	41		12 - 120	10/26/26 08:20	10/29/26 20:41	1
Nitrobenzene-d5 (Surr)	65		36 - 120	10/26/26 08:20	10/29/26 20:41	1
Phenol-d6 (Surr)	21		10 - 120	10/26/26 08:20	10/29/26 20:41	1
p-Terphenyl-d14 (Surr)	77		47 - 131	10/26/26 08:20	10/29/26 20:41	1

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

Lab Sample ID: MB 570-821314/1-A
Matrix: Water
Analysis Batch: 823800

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 821314

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
2-Methylnaphthalene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Acenaphthene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Acenaphthylene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Anthracene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Benzo[a]anthracene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Benzo[a]pyrene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Chrysene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Fluoranthene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Fluorene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Naphthalene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Phenanthrene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1
Pyrene	<0.20		0.20		ug/L		10/26/26 08:20	10/30/26 03:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	64		28 - 127	10/26/26 08:20	10/30/26 03:16	1
2-Fluorobiphenyl (Surr)	58		31 - 120	10/26/26 08:20	10/30/26 03:16	1
2-Fluorophenol (Surr)	47		17 - 120	10/26/26 08:20	10/30/26 03:16	1
Nitrobenzene-d5 (Surr)	71		27 - 120	10/26/26 08:20	10/30/26 03:16	1
Phenol-d6 (Surr)	26		10 - 120	10/26/26 08:20	10/30/26 03:16	1
p-Terphenyl-d14 (Surr)	68		45 - 120	10/26/26 08:20	10/30/26 03:16	1

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

Lab Sample ID: LCS 570-821314/2-A
Matrix: Water
Analysis Batch: 824082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 821314

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	11.4		ug/L		57	47 - 120		
2-Methylnaphthalene			20.0	11.6		ug/L		58	43 - 120		
Acenaphthene			20.0	14.5		ug/L		72	60 - 132		
Acenaphthylene			20.0	14.8		ug/L		74	54 - 126		
Anthracene			20.0	15.4		ug/L		77	43 - 120		
Benzo[a]anthracene			20.0	15.8		ug/L		79	42 - 133		
Benzo[a]pyrene			20.0	17.2		ug/L		86	32 - 148		
Benzo[b]fluoranthene			20.0	16.8		ug/L		84	42 - 140		
Benzo[g,h,i]perylene			20.0	15.1		ug/L		75	1 - 195		
Benzo[k]fluoranthene			20.0	16.1		ug/L		80	25 - 146		
Chrysene			20.0	15.2		ug/L		76	44 - 140		
Dibenz(a,h)anthracene			20.0	15.4		ug/L		77	1 - 200		
Fluoranthene			20.0	16.3		ug/L		82	43 - 121		
Fluorene			20.0	15.0		ug/L		75	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	15.5		ug/L		77	1 - 151		
Naphthalene			20.0	10.8		ug/L		54	36 - 120		
Phenanthrene			20.0	15.7		ug/L		79	65 - 120		
Pyrene			20.0	15.6		ug/L		78	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*28 - 127*
2-Fluorobiphenyl (Surr)	*79*		*31 - 120*
2-Fluorophenol (Surr)	*66*		*17 - 120*
Nitrobenzene-d5 (Surr)	*67*		*27 - 120*
Phenol-d6 (Surr)	*37*		*10 - 120*
p-Terphenyl-d14 (Surr)	*80*		*45 - 120*

Lab Sample ID: LCSD 570-821314/3-A
Matrix: Water
Analysis Batch: 824082

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 821314

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	12.1		ug/L		61	47 - 120	6	20
2-Methylnaphthalene			20.0	12.3		ug/L		62	43 - 120	6	20
Acenaphthene			20.0	16.0		ug/L		80	60 - 132	10	29
Acenaphthylene			20.0	16.4		ug/L		82	54 - 126	10	45
Anthracene			20.0	17.2		ug/L		86	43 - 120	11	40
Benzo[a]anthracene			20.0	17.8		ug/L		89	42 - 133	12	32
Benzo[a]pyrene			20.0	19.4		ug/L		97	32 - 148	12	43
Benzo[b]fluoranthene			20.0	19.5		ug/L		98	42 - 140	15	43
Benzo[g,h,i]perylene			20.0	17.8		ug/L		89	1 - 195	17	61
Benzo[k]fluoranthene			20.0	17.9		ug/L		89	25 - 146	11	38
Chrysene			20.0	17.3		ug/L		87	44 - 140	13	53
Dibenz(a,h)anthracene			20.0	18.2		ug/L		91	1 - 200	17	75
Fluoranthene			20.0	18.2		ug/L		91	43 - 121	11	40
Fluorene			20.0	16.3		ug/L		81	70 - 120	9	23
Indeno[1,2,3-cd]pyrene			20.0	18.1		ug/L		91	1 - 151	16	60
Naphthalene			20.0	11.5		ug/L		57	36 - 120	6	39

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

Lab Sample ID: LCSD 570-821314/3-A
Matrix: Water
Analysis Batch: 824082

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 821314

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	17.4		ug/L		87	65 - 120	10	24
Pyrene			20.0	17.7		ug/L		88	70 - 120	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*28 - 127*
2-Fluorobiphenyl (Surr)	*86*		*31 - 120*
2-Fluorophenol (Surr)	*70*		*17 120*
Nitrobenzene-d5 (Surr)	*71*		*27 - 120*
Phenol-d6 (Surr)	*39*		*10 - 120*
p-Terphenyl-d14 (Surr)	*91*		*45 - 120*

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

Lab Sample ID: MB 570-823996/6
Matrix: Water
Analysis Batch: 823996

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			10/30/26 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*38 - 134*		*10/30/26 11:08*	*1*

Lab Sample ID: LCS 570-823996/3
Matrix: Water
Analysis Batch: 823996

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	316		ug/L		79	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*38 - 134*

Lab Sample ID: LCSD 570-823996/4
Matrix: Water
Analysis Batch: 823996

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	328		ug/L		82	78 - 120	4	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*

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

Lab Sample ID: MRL 570-823996/5
Matrix: Water
Analysis Batch: 823996

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	14.1		ug/L		141	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*

Lab Sample ID: 380-244779-B-1 MS
Matrix: Water
Analysis Batch: 823996

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	343		ug/L		86	68 - 122		

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

Lab Sample ID: 380-244779-B-1 MSD
Matrix: Water
Analysis Batch: 823996

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	347		ug/L		87	68 - 122	1	18

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

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

Lab Sample ID: MB 570-821050/1-A
Matrix: Water
Analysis Batch: 823299

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 821050

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		10/25/26 09:40	10/29/26 09:09	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		10/25/26 09:40	10/29/26 09:09	1
C8-C18	<25		25		ug/L		10/25/26 09:40	10/29/26 09:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*110*		*60 - 130*	*10/25/26 09:40*	*10/29/26 09:09*	*1*

Lab Sample ID: LCS 570-821050/2-A
Matrix: Water
Analysis Batch: 823299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 821050

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1610		ug/L		101	56 - 127		

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

Lab Sample ID: LCS 570-821050/2-A
Matrix: Water
Analysis Batch: 823299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 821050

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	112		60 - 130

Lab Sample ID: LCSD 570-821050/3-A
Matrix: Water
Analysis Batch: 823299

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 821050

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1420		ug/L		89	56 - 127	13	23

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	97		60 - 130

Lab Sample ID: MRL 570-821050/4-A
Matrix: Water
Analysis Batch: 824688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 821050

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0251		mg/L		125	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	97		60 - 130

Lab Sample ID: 380-244052-C-1-A MS
Matrix: Water
Analysis Batch: 824688

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 821050

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1620	1610		ug/L		99	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	108		60 - 130

Lab Sample ID: 380-244052-C-1-B MSD
Matrix: Water
Analysis Batch: 824688

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 821050

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1620	1610		ug/L		99	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	111		60 - 130

GC/MS Semi VOA

Prep Batch: 260934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243694-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	525.2	
MB 380-260934/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-260934/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-260934/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-243722-B-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-243722-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	

Analysis Batch: 261293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243694-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	525.2	260934
MB 380-260934/21-A	Method Blank	Total/NA	Water	525.2	260934
LCS 380-260934/23-A	Lab Control Sample	Total/NA	Water	525.2	260934
MRL 380-260934/22-A	Lab Control Sample	Total/NA	Water	525.2	260934
380-243722-B-1-A MS	Matrix Spike	Total/NA	Water	525.2	260934
380-243722-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	260934

Prep Batch: 821314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243694-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1	
MB 570-821314/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-821314/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-821314/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 823736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243694-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1	821314
MB 570-821314/1-A	Method Blank	Total/NA	Water	625.1	821314

Analysis Batch: 823800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-821314/1-A	Method Blank	Total/NA	Water	625.1 SIM	821314

Analysis Batch: 824082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243694-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1 SIM	821314
LCS 570-821314/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	821314
LCSD 570-821314/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	821314

GC VOA

Analysis Batch: 823996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243694-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B GRO LL	
380-243694-2	TB: HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B GRO LL	
MB 570-823996/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-823996/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-823996/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-823996/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-244779-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-244779-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 821050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243694-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	3510C	
MB 570-821050/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-821050/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-821050/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-821050/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-244052-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-244052-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 823299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-821050/1-A	Method Blank	Total/NA	Water	8015B	821050
LCS 570-821050/2-A	Lab Control Sample	Total/NA	Water	8015B	821050
LCSD 570-821050/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	821050

Analysis Batch: 824688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243694-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B	821050
MRL 570-821050/4-A	Lab Control Sample	Total/NA	Water	8015B	821050
380-244052-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	821050
380-244052-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	821050

Lab Chronicle

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

Job ID: 380-243694-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-243694-1

Date Collected: 10/20/26 09:30
Matrix: Water
Date Received: 10/22/26 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			260934	IQ42	EA POM	10/23/26 14:49
Total/NA	Analysis	525.2		1	261293	UPAC	EA POM	10/26/26 15:37
Total/NA	Prep	625.1			821314	KLZQ	EET CAL 4	10/26/26 08:20
Total/NA	Analysis	625.1		1	823736	5BV3	EET CAL 4	10/30/26 04:51
Total/NA	Prep	625.1			821314	KLZQ	EET CAL 4	10/26/26 08:20
Total/NA	Analysis	625.1 SIM		1	824082	J7WE	EET CAL 4	10/30/26 17:06
Total/NA	Analysis	8015B GRO LL		1	823996	A9VE	EET CAL 4	10/30/26 18:02
Total/NA	Prep	3510C			821050	TVD6	EET CAL 4	10/25/26 09:41
Total/NA	Analysis	8015B		1	824688	H6FE	EET CAL 4	10/31/26 21:20

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-243694-2

Date Collected: 10/20/26 09:30
Matrix: Water
Date Received: 10/22/26 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	823996	A9VE	EET CAL 4	10/30/26 15:21

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: 380-243694-1
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	01-31-27

The following analytes are included in this report, but the laboratory is not certified by Hawaii State CA00006. 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	11-16-26
California	Los Angeles County Sanitation Districts	9257304	07-31-28
California	SCAQMD LAP	17LA0919	11-30-26

Accreditation/Certification Summary

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

Job ID: 380-243694-1
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	07-31-28
Kansas	NELAP	E-10420	07-31-27
Nevada	State	CA00111	07-31-27
Oregon	NELAP	4175	02-02-27
Texas	NELAP	T104704499	07-31-27
USDA	US Federal Programs	525-23-159-97150	01-01-27
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-11-27

Method Summary

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

Job ID: 380-243694-1
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: 380-243694-1
SDG: Weekly: Halawa Shaft Viewing Pool

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-243694-1	HALAWA SHAFT VIEWING POOL	Water	10/20/26 09:30	10/22/26 10:05	Hawaii
380-243694-2	TB: HALAWA SHAFT VIEWING POOL	Water	10/20/26 09:30	10/22/26 10:05	Hawaii

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

Chain of Custody Record

eurofins

380-243694 COC

Client Information	Sampler: Kai Edison	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No:
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)	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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				R	RA	Q	QA		
HALAWA SHAFT VIEWING POOL	20-Oct-2026	9:30	G	Water			2	3	2	2		
TB HALAWA SHAFT VIEWING POOL	20-Oct-2026	9:30	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: FedEx

	Relinquished [redacted]	Date/Time: 10/21/26 12:00	Company HBWS	Received by: Mavricrata	Date/Time: 10/22/26 1005	Company ETAP
	Relinquished	Date/Time:	Company	Received by	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: (63/A) 1.6 + 0.2 = 1.8 gel-frozen

Ver: 04/02/2024

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

SHIP DATE: 21OCT26
ACTWGT 62.00 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.

58KJ1/70DF/4B4B

FedEx Express

J2610260130001uv

THU - 22 OCT 10:30A
PRIORITY OVERNIGHT

3 of 6
MPS# 8790 1902 2259
0263
Mstr# 8790 1902 2237

0201

91768
CA-US ONT

WM ONTA

(63|A) 2-3102-25 96/- FRO 761

Mark Mark Curtin 10/22/26 005

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

Chain of Custody Record

eurofins | Envir

Loc: 380
243694

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-396448.1
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 #: 380-243694-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 11/2/2026	Analysis Requested		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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/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/CB-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 Instructions/Note:
			Preservation Code:									
HALAWA SHAFT VIEWING POOL (380-243694-1)	10/20/26	09:30 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: HALAWA SHAFT VIEWING POOL (380-243694-2)	10/20/26	09:30 Hawaiian	G	Water				X			2	MRLs are needed. Confirm any hits >RL.

380-243694 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
Mark Urrutia	10/22/26 1700	EEAP		10.22.26 17:10	
	10.22.26 18:15	LAY		10/22/26 1815	EC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.6/2.4 FR-3

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-243694-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 243694
List Number: 1
Creator: Tran, Kristine

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").	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: 380-243694-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 243694
List Number: 2
Creator: Mills, Mary

List Source: Eurofins Calscience
List Creation: 10/22/26 09:57 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
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	