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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/13/2026 3:05:39 PM

JOB DESCRIPTION

RED-HILL
Weekly: Halawa Shaft Viewing Pool

JOB NUMBER

380-211233-1

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

Definitions/Glossary

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

Job ID: 380-211233-1
SDG: Weekly: Halawa Shaft Viewing Pool

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
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.

GC Semi VOA

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

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
380-211233-1

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 4/30/2026 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

GC/MS Semi VOA
Method 625.1: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-733738.

Method 625.1 SIM: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-733738.

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

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

Diesel Range Organics
Method 8015B: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: (380-210938-B-1-B MS). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported

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: 380-211233-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: Halawa Shaft Viewing Pool — Lab Sample ID: 380-211233-1

No Detections.

Client Sample ID: TB: Halawa Shaft Viewing Pool — Lab Sample ID: 380-211233-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-211233-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: Halawa Shaft Viewing Pool
Date Collected: 04/28/26 09:30
Date Received: 04/30/26 10:00

Lab Sample ID: 380-211233-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
2,4'-DDD	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
2,4'-DDE	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
2,4'-DDT	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
2-Methylnaphthalene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
4,4'-DDD	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
4,4'-DDE	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
4,4'-DDT	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Acenaphthene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Acenaphthylene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Acetochlor	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Alachlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
alpha-BHC	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
alpha-Chlordane	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Anthracene	<0.020		0.020		ug/L		05/05/26 14:25	05/07/26 12:42	1
Atrazine	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Benz(a)anthracene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Benzo[a]pyrene	<0.020		0.020		ug/L		05/05/26 14:25	05/07/26 12:42	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		05/05/26 14:25	05/07/26 12:42	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		05/05/26 14:25	05/07/26 12:42	1
beta-BHC	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		05/05/26 14:25	05/07/26 12:42	1
Bromacil	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Butachlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Butylbenzylphthalate	<0.49		0.49		ug/L		05/05/26 14:25	05/07/26 12:42	1
Chlorobenzilate	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Chloroneb	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Chlorpyrifos	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Chrysene	<0.020		0.020		ug/L		05/05/26 14:25	05/07/26 12:42	1
delta-BHC	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		05/05/26 14:25	05/07/26 12:42	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Dieldrin	<0.0098		0.0098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Diethylphthalate	<0.49		0.49		ug/L		05/05/26 14:25	05/07/26 12:42	1
Dimethylphthalate	<0.49		0.49		ug/L		05/05/26 14:25	05/07/26 12:42	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		05/05/26 14:25	05/07/26 12:42	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Endosulfan sulfate	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Endrin	<0.0098		0.0098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Endrin aldehyde	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
EPTC	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Fluoranthene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1

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

Job ID: 380-211233-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: Halawa Shaft Viewing Pool
Date Collected: 04/28/26 09:30
Date Received: 04/30/26 10:00

Lab Sample ID: 380-211233-1
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		05/05/26 14:25	05/07/26 12:42	1
gamma-Chlordane	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Heptachlor	<0.0098	^3+	0.0098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Hexachlorobenzene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Isophorone	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Lindane	<0.0098		0.0098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Malathion	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Methoxychlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Metolachlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Molinate	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Naphthalene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Parathion	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Phenanthrene	<0.039		0.039		ug/L		05/05/26 14:25	05/07/26 12:42	1
Propachlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Pyrene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Simazine	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Terbacil	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Terbuthylazine	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Thiobencarb	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		05/05/26 14:25	05/07/26 12:42	1
trans-Nonachlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 12:42	1
Trifluralin	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 12:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*05/05/26 14:25*	*05/07/26 12:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*05/05/26 14:25*	*05/07/26 12:42*	*1*
Perylene-d12	*90*		*70 - 130*	*05/05/26 14:25*	*05/07/26 12:42*	*1*
Triphenylphosphate	*101*		*70 - 130*	*05/05/26 14:25*	*05/07/26 12:42*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
2-Methylnaphthalene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Acenaphthene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Acenaphthylene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Anthracene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Benzo[a]anthracene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Benzo[a]pyrene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Chrysene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Fluoranthene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-211233-1

Date Collected: 04/28/26 09:30
Matrix: Water
Date Received: 04/30/26 10:00

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		05/04/26 09:53	05/05/26 18:15	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Naphthalene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Phenanthrene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1
Pyrene	<0.19		0.19		ug/L		05/04/26 09:53	05/05/26 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*28 - 127*	*05/04/26 09:53*	*05/05/26 18:15*	*1*
2-Fluorobiphenyl (Surr)	*80*		*31 - 120*	*05/04/26 09:53*	*05/05/26 18:15*	*1*
2-Fluorophenol (Surr)	*51*		*17 - 120*	*05/04/26 09:53*	*05/05/26 18:15*	*1*
Nitrobenzene-d5 (Surr)	*84*		*27 - 120*	*05/04/26 09:53*	*05/05/26 18:15*	*1*
Phenol-d6 (Surr)	*31*		*10 - 120*	*05/04/26 09:53*	*05/05/26 18:15*	*1*
p-Terphenyl-d14 (Surr)	*82*		*45 - 120*	*05/04/26 09:53*	*05/05/26 18:15*	*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*	*05/04/26 09:53*	*05/06/26 12:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*59*		*33 - 139*	*05/04/26 09:53*	*05/06/26 12:29*	*1*
2-Fluorobiphenyl (Surr)	*62*		*33 - 126*	*05/04/26 09:53*	*05/06/26 12:29*	*1*
2-Fluorophenol (Surr)	*44*		*12 - 120*	*05/04/26 09:53*	*05/06/26 12:29*	*1*
Nitrobenzene-d5 (Surr)	*76*		*36 - 120*	*05/04/26 09:53*	*05/06/26 12:29*	*1*
Phenol-d6 (Surr)	*24*		*10 - 120*	*05/04/26 09:53*	*05/06/26 12:29*	*1*
p-Terphenyl-d14 (Surr)	*74*		*47 - 131*	*05/04/26 09:53*	*05/06/26 12:29*	*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			05/08/26 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*38 - 134*		*05/08/26 22:14*	*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)	<25		25		ug/L		04/30/26 16:48	05/04/26 20:34	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		04/30/26 16:48	05/04/26 20:34	1
C8-C18	<25		25		ug/L		04/30/26 16:48	05/04/26 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*121*		*60 - 130*	*04/30/26 16:48*	*05/04/26 20:34*	*1*

Client Sample ID: TB: Halawa Shaft Viewing Pool

Lab Sample ID: 380-211233-2

Date Collected: 04/28/26 09:30
Matrix: Water
Date Received: 04/30/26 10:00

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			05/08/26 23:46	1

Client Sample ID: TB: Halawa Shaft Viewing Pool

Date Collected: 04/28/26 09:30
Date Received: 04/30/26 10:00

Lab Sample ID: 380-211233-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*100*		*38 - 134*		*05/08/26 23:46*	*1*

Action Limit Summary

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

Job ID: 380-211233-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: Halawa Shaft Viewing Pool — Lab Sample ID: 380-211233-1

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	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0098		ug/L	2	0.0098	525.2	Total/NA
Heptachlor	<0.0098	^3+	ug/L	0.4	0.0098	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0098		ug/L	0.2	0.0098	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	<0.0098		ug/L	0.2	0.0098	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: 380-211233-1
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)
380-210103-R-1-A DU	Duplicate	99	87	99
380-211233-1	Halawa Shaft Viewing Pool	97	90	101
380-211233-1 MS	Halawa Shaft Viewing Pool	97	93	97
LCS 380-225056/23-A	Lab Control Sample	97	93	97
MB 380-225056/21-A	Method Blank	97	81	93
MRL 380-225056/22-A	Lab Control Sample	97	85	94

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)
380-211233-1	Halawa Shaft Viewing Pool	59	62	44	76	24	74
MB 570-733738/1-A	Method Blank	53	59	41	79	28	67

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)
380-211233-1	Halawa Shaft Viewing Pool	83	80	51	84	31	82
LCS 570-733738/2-A	Lab Control Sample	80	86	65	74	41	94
LCSD 570-733738/3-A	Lab Control Sample Dup	76	79	58	66	37	86
MB 570-733738/1-A	Method Blank	95	89	66	98	40	92

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
Project/Site: RED-HILL

Job ID: 380-211233-1
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)
Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-210938-C-1 MS	Matrix Spike	97
380-210938-C-1 MSD	Matrix Spike Duplicate	99
380-211233-1	Halawa Shaft Viewing Pool	98
380-211233-2	TB: Halawa Shaft Viewing Pool	100
LCS 570-736059/1010	Lab Control Sample	98
LCSD 570-736059/11	Lab Control Sample Dup	94
MB 570-736059/12	Method Blank	100
MRL 570-736059/1005	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)
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-210938-B-1-B MS	Matrix Spike	131 S1+
380-210938-B-1-C MSD	Matrix Spike Duplicate	129
380-211233-1	Halawa Shaft Viewing Pool	121
LCS 570-732112/2-A	Lab Control Sample	126
LCSD 570-732112/3-A	Lab Control Sample Dup	129
MB 570-732112/1-A	Method Blank	115
MRL 570-732112/4-A	Lab Control Sample	115

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-225056/21-A
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 225056

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
2,4'-DDD	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
2,4'-DDE	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
2,4'-DDT	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
2-Methylnaphthalene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
4,4'-DDD	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
4,4'-DDE	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
4,4'-DDT	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Acenaphthene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Acenaphthylene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Acetochlor	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Alachlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
alpha-BHC	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
alpha-Chlordane	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Anthracene	<0.020		0.020		ug/L		05/05/26 14:25	05/07/26 11:22	1
Atrazine	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Benz(a)anthracene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Benzo[a]pyrene	<0.020		0.020		ug/L		05/05/26 14:25	05/07/26 11:22	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		05/05/26 14:25	05/07/26 11:22	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		05/05/26 14:25	05/07/26 11:22	1
beta-BHC	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		05/05/26 14:25	05/07/26 11:22	1
Bromacil	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Butachlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Butylbenzylphthalate	<0.49		0.49		ug/L		05/05/26 14:25	05/07/26 11:22	1
Chlorobenzilate	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Chloroneb	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Chlorpyrifos	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Chrysene	<0.020		0.020		ug/L		05/05/26 14:25	05/07/26 11:22	1
delta-BHC	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		05/05/26 14:25	05/07/26 11:22	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Dieldrin	<0.0098		0.0098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Diethylphthalate	<0.49		0.49		ug/L		05/05/26 14:25	05/07/26 11:22	1
Dimethylphthalate	<0.49		0.49		ug/L		05/05/26 14:25	05/07/26 11:22	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		05/05/26 14:25	05/07/26 11:22	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Endosulfan sulfate	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Endrin	<0.0098		0.0098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Endrin aldehyde	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
EPTC	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1

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

Lab Sample ID: MB 380-225056/21-A
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 225056

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Fluorene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
gamma-Chlordane	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Heptachlor	<0.0098	^3+	0.0098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Hexachlorobenzene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Isophorone	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Lindane	<0.0098		0.0098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Malathion	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Methoxychlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Metolachlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Molinate	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Naphthalene	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Parathion	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Phenanthrene	<0.039		0.039		ug/L		05/05/26 14:25	05/07/26 11:22	1
Propachlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Pyrene	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Simazine	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Terbacil	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Terbuthylazine	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Thiobencarb	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		05/05/26 14:25	05/07/26 11:22	1
trans-Nonachlor	<0.049		0.049		ug/L		05/05/26 14:25	05/07/26 11:22	1
Trifluralin	<0.098		0.098		ug/L		05/05/26 14:25	05/07/26 11:22	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*5.91*	*T J N*	*ug/L*		*3.21*	*1120-21-4*	*05/05/26 14:25*	*05/07/26 11:22*	*1*
9-Octadecenamide, (Z)-	*3.21*	*T J N*	*ug/L*		*8.02*	*301-02-0*	*05/05/26 14:25*	*05/07/26 11:22*	*1*
9-Octadecenamide, (Z)-	*0.631*	*T J N*	*ug/L*		*8.12*	*301-02-0*	*05/05/26 14:25*	*05/07/26 11:22*	*1*
9-Octadecenamide, (Z)-	*1.90*	*T J N*	*ug/L*		*10.58*	*301-02-0*	*05/05/26 14:25*	*05/07/26 11:22*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*05/05/26 14:25*	*05/07/26 11:22*	*1*
Perylene-d12	*81*		*70 - 130*	*05/05/26 14:25*	*05/07/26 11:22*	*1*
Triphenylphosphate	*93*		*70 - 130*	*05/05/26 14:25*	*05/07/26 11:22*	*1*

Lab Sample ID: LCS 380-225056/23-A
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.97	2.06		ug/L		105	70 - 130
2,4'-DDD	1.97	2.09		ug/L		106	70 - 130
2,4'-DDE	1.97	2.05		ug/L		104	70 - 130
2,4'-DDT	1.97	2.11		ug/L		107	70 - 130

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

Lab Sample ID: LCS 380-225056/23-A
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	1.97	2.06		ug/L		105	70 - 130
2,6-Dinitrotoluene	1.97	2.05		ug/L		104	70 - 130
2-Methylnaphthalene	1.97	2.04		ug/L		104	70 - 130
4,4'-DDD	1.97	2.22		ug/L		113	70 - 130
4,4'-DDE	1.97	1.87		ug/L		95	70 - 130
4,4'-DDT	1.97	2.29		ug/L		117	70 - 130
Acenaphthene	1.97	2.06		ug/L		105	70 - 130
Acenaphthylene	1.97	1.95		ug/L		99	70 - 130
Acetochlor	1.97	2.08		ug/L		106	70 - 130
Alachlor	1.97	2.05		ug/L		104	70 - 130
alpha-BHC	1.97	1.95		ug/L		99	70 - 130
alpha-Chlordane	1.97	2.13		ug/L		108	70 - 130
Anthracene	1.97	2.08		ug/L		106	70 - 130
Atrazine	1.97	2.12		ug/L		108	70 - 130
Benz(a)anthracene	1.97	2.32		ug/L		118	70 - 130
Benzo[a]pyrene	1.97	2.13		ug/L		108	70 - 130
Benzo[b]fluoranthene	1.97	2.29		ug/L		116	70 - 130
Benzo[g,h,i]perylene	1.97	2.10		ug/L		107	70 - 130
Benzo[k]fluoranthene	1.97	2.35		ug/L		119	70 - 130
beta-BHC	1.97	2.06		ug/L		105	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.07		ug/L		105	70 - 130
Bromacil	1.97	1.99		ug/L		101	70 - 130
Butachlor	1.97	2.06		ug/L		105	70 - 130
Butylbenzylphthalate	1.97	2.21		ug/L		112	70 - 130
Chlorobenzilate	1.97	2.07		ug/L		105	70 - 130
Chloroneb	1.97	2.14		ug/L		109	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.04		ug/L		104	70 - 130
Chlorpyrifos	1.97	2.04		ug/L		104	70 - 130
Chrysene	1.97	2.16		ug/L		110	70 - 130
delta-BHC	1.97	1.97		ug/L		100	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.22		ug/L		113	70 - 130
Dibenz(a,h)anthracene	1.97	2.11		ug/L		107	70 - 130
Diclorvos (DDVP)	1.97	2.05		ug/L		104	70 - 130
Dieldrin	1.97	2.12		ug/L		108	70 - 130
Diethylphthalate	1.97	2.15		ug/L		110	70 - 130
Dimethylphthalate	1.97	2.09		ug/L		106	70 - 130
Di-n-butyl phthalate	3.93	4.39		ug/L		112	70 - 130
Di-n-octyl phthalate	1.97	1.99		ug/L		101	70 - 130
Endosulfan I (Alpha)	1.97	2.07		ug/L		105	70 - 130
Endosulfan II (Beta)	1.97	2.01		ug/L		102	70 - 130
Endosulfan sulfate	1.97	2.01		ug/L		102	70 - 130
Endrin	1.97	2.32		ug/L		118	70 - 130
Endrin aldehyde	1.97	1.98		ug/L		101	60 - 130
EPTC	1.97	2.07		ug/L		105	70 - 130
Fluoranthene	1.97	2.01		ug/L		102	70 - 130
Fluorene	1.97	2.06		ug/L		105	70 - 130
gamma-Chlordane	1.97	2.25		ug/L		114	70 - 130
Heptachlor	1.97	1.97		ug/L		100	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.08		ug/L		106	70 - 130

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

Lab Sample ID: LCS 380-225056/23-A
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	1.97	1.92		ug/L		98	70 - 130
Hexachlorocyclopentadiene	1.97	1.83		ug/L		93	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.15		ug/L		109	70 - 130
Isophorone	1.97	2.06		ug/L		105	70 - 130
Lindane	1.97	2.25		ug/L		114	70 - 130
Malathion	1.97	1.97		ug/L		100	70 - 130
Methoxychlor	1.97	2.41		ug/L		123	70 - 130
Metolachlor	1.97	2.03		ug/L		103	70 - 130
Molinate	1.97	2.09		ug/L		107	70 - 130
Naphthalene	1.97	1.98		ug/L		101	70 - 130
Parathion	1.97	2.12		ug/L		108	70 - 130
Pendimethalin (Penoxaline)	1.97	1.96		ug/L		99	70 - 130
Phenanthrene	1.97	2.05		ug/L		104	70 - 130
Propachlor	1.97	2.11		ug/L		107	70 - 130
Pyrene	1.97	2.10		ug/L		107	70 - 130
Simazine	1.97	2.01		ug/L		102	70 - 130
Terbacil	1.97	2.07		ug/L		105	70 - 130
Terbuthylazine	1.97	2.08		ug/L		106	70 - 130
Thiobencarb	1.97	2.05		ug/L		104	70 - 130
trans-Nonachlor	1.97	2.14		ug/L		109	70 - 130
Trifluralin	1.97	1.86		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*93*		*70 - 130*
Triphenylphosphate	*97*		*70 - 130*

Lab Sample ID: MRL 380-225056/22-A
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225056

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0985	0.114		ug/L		116	50 - 150
2,4'-DDD	0.0985	0.102		ug/L		103	50 - 150
2,4'-DDE	0.0985	0.108		ug/L		110	50 - 150
2,4'-DDT	0.0985	0.118		ug/L		120	50 - 150
2,4-Dinitrotoluene	0.0985	0.111		ug/L		113	50 - 150
2,6-Dinitrotoluene	0.0985	0.126		ug/L		128	50 - 150
2-Methylnaphthalene	0.0985	0.108		ug/L		109	50 - 150
4,4'-DDD	0.0985	0.117		ug/L		118	50 - 150
4,4'-DDE	0.0985	0.106		ug/L		107	50 - 150
4,4'-DDT	0.0985	0.127		ug/L		129	50 - 150
Acenaphthene	0.0985	0.102		ug/L		104	50 - 150
Acenaphthylene	0.0985	0.0922	J	ug/L		94	50 - 150
Acetochlor	0.0985	0.122		ug/L		124	50 - 150
Alachlor	0.0492	0.0609		ug/L		124	50 - 150
alpha-BHC	0.0985	0.107		ug/L		108	50 - 150
alpha-Chlordane	0.0246	<0.029		ug/L		106	50 - 150

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

Lab Sample ID: MRL 380-225056/22-A
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225056

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	0.0197	0.0236		ug/L		120	50 - 150
Atrazine	0.0492	0.0553		ug/L		112	50 - 150
Benz(a)anthracene	0.0492	0.0519		ug/L		105	50 - 150
Benzo[a]pyrene	0.0197	0.0244		ug/L		124	50 - 150
Benzo[b]fluoranthene	0.0197	0.0244		ug/L		124	50 - 150
Benzo[g,h,i]perylene	0.0492	0.0503		ug/L		102	50 - 150
Benzo[k]fluoranthene	0.0197	0.0269		ug/L		136	50 - 150
beta-BHC	0.0985	0.107		ug/L		109	50 - 150
Bis(2-ethylhexyl) phthalate	0.591	0.643		ug/L		109	50 - 150
Bromacil	0.0985	0.112		ug/L		114	50 - 150
Butachlor	0.0492	0.0610		ug/L		124	50 - 150
Butylbenzylphthalate	0.492	0.608		ug/L		123	50 - 150
Chlorobenzilate	0.0985	0.112		ug/L		113	50 - 150
Chloroneb	0.0985	0.105		ug/L		107	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0985	0.101		ug/L		103	50 - 150
Chlorpyrifos	0.0492	0.0569		ug/L		116	50 - 150
Chrysene	0.0197	0.0287		ug/L		146	50 - 150
delta-BHC	0.0985	0.103		ug/L		105	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.715		ug/L		121	50 - 150
Dibenz(a,h)anthracene	0.0492	0.0509		ug/L		103	50 - 150
Diclorvos (DDVP)	0.0492	0.0560		ug/L		114	50 - 150
Dieldrin	0.00985	0.0129		ug/L		131	50 - 150
Diethylphthalate	0.492	0.541		ug/L		110	50 - 150
Dimethylphthalate	0.492	0.524		ug/L		106	50 - 150
Di-n-butyl phthalate	0.492	0.513	J	ug/L		104	49 - 243
Di-n-octyl phthalate	0.0985	0.101		ug/L		103	50 - 150
Endosulfan I (Alpha)	0.0985	0.0984		ug/L		100	50 - 150
Endosulfan II (Beta)	0.0985	0.128		ug/L		130	50 - 150
Endosulfan sulfate	0.0985	0.112		ug/L		113	50 - 150
Endrin	0.00985	0.0128		ug/L		130	50 - 150
Endrin aldehyde	0.0985	0.118		ug/L		120	50 - 150
EPTC	0.0985	0.104		ug/L		106	50 - 150
Fluoranthene	0.0985	0.106		ug/L		108	50 - 150
Fluorene	0.0492	0.0556		ug/L		113	50 - 150
gamma-Chlordane	0.0246	0.0250	J	ug/L		102	50 - 150
Heptachlor	0.00985	0.0150	^3+	ug/L		153	50 - 150
Heptachlor epoxide (isomer B)	0.00985	0.00780	J	ug/L		79	50 - 150
Hexachlorobenzene	0.0492	0.0470	J	ug/L		95	50 - 150
Hexachlorocyclopentadiene	0.0492	0.0488	J	ug/L		99	50 - 150
Indeno[1,2,3-cd]pyrene	0.0492	0.0479	J	ug/L		97	50 - 150
Isophorone	0.0985	0.121		ug/L		123	50 - 150
Lindane	0.00985	0.0135		ug/L		137	50 - 150
Malathion	0.0985	0.103		ug/L		105	50 - 150
Methoxychlor	0.0492	0.0610		ug/L		124	50 - 150
Metolachlor	0.0492	0.0573		ug/L		116	50 - 150
Molinate	0.0985	0.113		ug/L		115	50 - 150
Naphthalene	0.0985	0.103		ug/L		105	50 - 150
Parathion	0.0985	0.0944	J	ug/L		96	50 - 150
Pendimethalin (Penoxaline)	0.0985	0.0980		ug/L		99	50 - 150

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

Lab Sample ID: MRL 380-225056/22-A
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225056

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	0.0394	0.0477		ug/L		121	50 - 150
Propachlor	0.0492	0.0579		ug/L		118	50 - 150
Pyrene	0.0492	0.0553		ug/L		112	50 - 150
Simazine	0.0492	0.0539		ug/L		110	50 - 150
Terbacil	0.0985	0.116		ug/L		118	50 - 150
Terbuthylazine	0.0985	0.112		ug/L		113	50 - 150
Thiobencarb	0.0985	0.117		ug/L		119	50 - 150
trans-Nonachlor	0.0246	0.0276	J	ug/L		112	50 - 150
Trifluralin	0.0985	0.0979	J	ug/L		99	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*85*		*70 - 130*
Triphenylphosphate	*94*		*70 - 130*

Lab Sample ID: 380-211233-1 MS
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Halawa Shaft Viewing Pool
Prep Type: Total/NA
Prep Batch: 225056

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		104	70 - 130
2,4'-DDD	<0.098		1.96	2.07		ug/L		106	70 - 130
2,4'-DDE	<0.098		1.96	2.04		ug/L		104	70 - 130
2,4'-DDT	<0.098		1.96	2.04		ug/L		104	70 - 130
2,4-Dinitrotoluene	<0.098		1.96	2.11		ug/L		108	70 - 130
2,6-Dinitrotoluene	<0.098		1.96	2.10		ug/L		107	70 - 130
2-Methylnaphthalene	<0.098		1.96	2.05		ug/L		104	70 - 130
4,4'-DDD	<0.098		1.96	2.19		ug/L		112	70 - 130
4,4'-DDE	<0.098		1.96	1.87		ug/L		95	70 - 130
4,4'-DDT	<0.098		1.96	2.22		ug/L		113	70 - 130
Acenaphthene	<0.098		1.96	2.07		ug/L		106	70 - 130
Acenaphthylene	<0.098		1.96	2.07		ug/L		106	70 - 130
Acetochlor	<0.098		1.96	2.11		ug/L		108	70 - 130
Alachlor	<0.049		1.96	2.09		ug/L		107	70 - 130
alpha-BHC	<0.098		1.96	1.98		ug/L		101	70 - 130
alpha-Chlordane	<0.049		1.96	2.15		ug/L		110	70 - 130
Anthracene	<0.020		1.96	1.72		ug/L		88	70 - 130
Atrazine	<0.049		1.96	2.16		ug/L		110	70 - 130
Benz(a)anthracene	<0.049		1.96	2.24		ug/L		115	70 - 130
Benzo[a]pyrene	<0.020		1.96	2.02		ug/L		103	70 - 130
Benzo[b]fluoranthene	<0.020		1.96	2.37		ug/L		121	70 - 130
Benzo[g,h,i]perylene	<0.049		1.96	1.99		ug/L		102	70 - 130
Benzo[k]fluoranthene	<0.020		1.96	2.25		ug/L		115	70 - 130
beta-BHC	<0.098		1.96	2.09		ug/L		107	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.96	1.96		ug/L		100	70 - 130
Bromacil	<0.098		1.96	2.02		ug/L		103	70 - 130
Butachlor	<0.049		1.96	2.08		ug/L		106	70 - 130
Butylbenzylphthalate	<0.49		1.96	2.31		ug/L		118	70 - 130

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

Lab Sample ID: 380-211233-1 MS
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Halawa Shaft Viewing Pool
Prep Type: Total/NA
Prep Batch: 225056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzilate	<0.098		1.96	2.12		ug/L		109	70 - 130
Chloroneb	<0.098		1.96	2.11		ug/L		108	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.96	2.05		ug/L		105	70 - 130
Chlorpyrifos	<0.049		1.96	2.01		ug/L		103	70 - 130
Chrysene	<0.020		1.96	2.18		ug/L		111	70 - 130
delta-BHC	<0.098		1.96	1.99		ug/L		102	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.96	2.13		ug/L		109	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	2.02		ug/L		103	70 - 130
Diclorvos (DDVP)	<0.049		1.96	2.07		ug/L		106	70 - 130
Dieldrin	<0.0098		1.96	2.18		ug/L		112	70 - 130
Diethylphthalate	<0.49		1.96	2.18		ug/L		112	70 - 130
Dimethylphthalate	<0.49		1.96	2.10		ug/L		108	70 - 130
Di-n-butyl phthalate	<0.98		3.91	4.41		ug/L		113	70 - 130
Di-n-octyl phthalate	<0.098		1.96	1.75		ug/L		90	70 - 130
Endosulfan I (Alpha)	<0.098		1.96	2.07		ug/L		106	70 - 130
Endosulfan II (Beta)	<0.098		1.96	2.02		ug/L		103	70 - 130
Endosulfan sulfate	<0.098		1.96	1.98		ug/L		101	70 - 130
Endrin	<0.0098		1.96	2.32		ug/L		119	70 - 130
Endrin aldehyde	<0.098		1.96	1.70		ug/L		87	60 - 130
EPTC	<0.098		1.96	2.04		ug/L		104	70 - 130
Fluoranthene	<0.098		1.96	2.04		ug/L		104	70 - 130
Fluorene	<0.049		1.96	2.10		ug/L		107	70 - 130
gamma-Chlordane	<0.049		1.96	2.22		ug/L		114	70 - 130
Heptachlor	<0.0098	^3+	1.96	1.98		ug/L		101	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.96	2.11		ug/L		108	70 - 130
Hexachlorobenzene	<0.049		1.96	1.96		ug/L		100	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	1.92		ug/L		98	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	2.08		ug/L		107	70 - 130
Isophorone	<0.098		1.96	2.03		ug/L		104	70 - 130
Lindane	<0.0098		1.96	2.29		ug/L		117	70 - 130
Malathion	<0.098		1.96	2.02		ug/L		103	70 - 130
Methoxychlor	<0.049		1.96	2.51		ug/L		128	70 - 130
Metolachlor	<0.049		1.96	2.05		ug/L		105	70 - 130
Molinate	<0.098		1.96	2.10		ug/L		107	70 - 130
Naphthalene	<0.098		1.96	1.97		ug/L		101	70 - 130
Parathion	<0.098		1.96	2.18		ug/L		111	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.96	2.04		ug/L		104	70 - 130
Phenanthrene	<0.039		1.96	2.07		ug/L		106	70 - 130
Propachlor	<0.049		1.96	2.16		ug/L		110	70 - 130
Pyrene	<0.049		1.96	2.12		ug/L		108	70 - 130
Simazine	<0.049		1.96	2.05		ug/L		105	70 - 130
Terbacil	<0.098		1.96	2.10		ug/L		107	70 - 130
Terbuthylazine	<0.098		1.96	2.14		ug/L		109	70 - 130
Thiobencarb	<0.098		1.96	2.11		ug/L		108	70 - 130
trans-Nonachlor	<0.049		1.96	2.10		ug/L		107	70 - 130
Trifluralin	<0.098		1.96	1.94		ug/L		99	70 - 130

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

Lab Sample ID: 380-211233-1 MS
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Halawa Shaft Viewing Pool
Prep Type: Total/NA
Prep Batch: 225056

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	93		70 - 130
Triphenylphosphate	97		70 - 130

Lab Sample ID: 380-210103-R-1-A DU
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 225056

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

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

Lab Sample ID: 380-210103-R-1-A DU
Matrix: Water
Analysis Batch: 225514

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 225056

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

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*87*		*70 - 130*
Triphenylphosphate	*99*		*70 - 130*

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

Lab Sample ID: MB 570-733738/1-A
Matrix: Water
Analysis Batch: 734979

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 733738

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	05/04/26 09:53	05/06/26 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	53		33 - 139	05/04/26 09:53	05/06/26 12:04	1
2-Fluorobiphenyl (Surr)	59		33 - 126	05/04/26 09:53	05/06/26 12:04	1
2-Fluorophenol (Surr)	41		12 - 120	05/04/26 09:53	05/06/26 12:04	1
Nitrobenzene-d5 (Surr)	79		36 - 120	05/04/26 09:53	05/06/26 12:04	1
Phenol-d6 (Surr)	28		10 - 120	05/04/26 09:53	05/06/26 12:04	1
p-Terphenyl-d14 (Surr)	67		47 - 131	05/04/26 09:53	05/06/26 12:04	1

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

Lab Sample ID: MB 570-733738/1-A
Matrix: Water
Analysis Batch: 734528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 733738

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
2-Methylnaphthalene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Acenaphthene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Acenaphthylene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Anthracene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Benzo[a]anthracene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Benzo[a]pyrene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Chrysene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Fluoranthene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Fluorene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Naphthalene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Phenanthrene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1
Pyrene	<0.20		0.20		ug/L		05/04/26 09:53	05/05/26 17:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		28 - 127	05/04/26 09:53	05/05/26 17:10	1
2-Fluorobiphenyl (Surr)	89		31 - 120	05/04/26 09:53	05/05/26 17:10	1
2-Fluorophenol (Surr)	66		17 - 120	05/04/26 09:53	05/05/26 17:10	1
Nitrobenzene-d5 (Surr)	98		27 - 120	05/04/26 09:53	05/05/26 17:10	1
Phenol-d6 (Surr)	40		10 - 120	05/04/26 09:53	05/05/26 17:10	1
p-Terphenyl-d14 (Surr)	92		45 - 120	05/04/26 09:53	05/05/26 17:10	1

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

Lab Sample ID: LCS 570-733738/2-A
Matrix: Water
Analysis Batch: 734528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 733738

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	14.5		ug/L		73	47 - 120		
2-Methylnaphthalene			20.0	13.6		ug/L		68	43 - 120		
Acenaphthene			20.0	17.3		ug/L		87	60 - 132		
Acenaphthylene			20.0	17.1		ug/L		85	54 - 126		
Anthracene			20.0	17.1		ug/L		86	43 - 120		
Benzo[a]anthracene			20.0	18.4		ug/L		92	42 - 133		
Benzo[a]pyrene			20.0	19.1		ug/L		96	32 - 148		
Benzo[b]fluoranthene			20.0	18.3		ug/L		91	42 - 140		
Benzo[g,h,i]perylene			20.0	18.1		ug/L		91	1 - 195		
Benzo[k]fluoranthene			20.0	18.6		ug/L		93	25 - 146		
Chrysene			20.0	18.2		ug/L		91	44 - 140		
Dibenz(a,h)anthracene			20.0	19.7		ug/L		98	1 - 200		
Fluoranthene			20.0	17.4		ug/L		87	43 - 121		
Fluorene			20.0	18.2		ug/L		91	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	19.0		ug/L		95	1 - 151		
Naphthalene			20.0	14.2		ug/L		71	36 - 120		
Phenanthrene			20.0	18.0		ug/L		90	65 - 120		
Pyrene			20.0	19.8		ug/L		99	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*28 - 127*
2-Fluorobiphenyl (Surr)	*86*		*31 - 120*
2-Fluorophenol (Surr)	*65*		*17 - 120*
Nitrobenzene-d5 (Surr)	*74*		*27 - 120*
Phenol-d6 (Surr)	*41*		*10 - 120*
p-Terphenyl-d14 (Surr)	*94*		*45 - 120*

Lab Sample ID: LCSD 570-733738/3-A
Matrix: Water
Analysis Batch: 734528

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 733738

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	13.9		ug/L		70	47 - 120	4	20
2-Methylnaphthalene			20.0	13.0		ug/L		65	43 - 120	5	20
Acenaphthene			20.0	16.7		ug/L		83	60 - 132	4	29
Acenaphthylene			20.0	16.7		ug/L		83	54 - 126	2	45
Anthracene			20.0	16.5		ug/L		83	43 - 120	4	40
Benzo[a]anthracene			20.0	17.3		ug/L		87	42 - 133	6	32
Benzo[a]pyrene			20.0	17.5		ug/L		88	32 - 148	9	43
Benzo[b]fluoranthene			20.0	17.2		ug/L		86	42 - 140	6	43
Benzo[g,h,i]perylene			20.0	17.1		ug/L		86	1 - 195	6	61
Benzo[k]fluoranthene			20.0	16.9		ug/L		85	25 - 146	10	38
Chrysene			20.0	16.8		ug/L		84	44 - 140	8	53
Dibenz(a,h)anthracene			20.0	17.6		ug/L		88	1 - 200	11	75
Fluoranthene			20.0	16.7		ug/L		83	43 - 121	4	40
Fluorene			20.0	17.4		ug/L		87	70 - 120	5	23
Indeno[1,2,3-cd]pyrene			20.0	17.6		ug/L		88	1 - 151	7	60
Naphthalene			20.0	13.3		ug/L		66	36 - 120	7	39

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

Lab Sample ID: LCSD 570-733738/3-A
Matrix: Water
Analysis Batch: 734528

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 733738

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	17.0		ug/L		85	65 - 120	6	24
Pyrene			20.0	18.5		ug/L		93	70 - 120	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*28 - 127*
2-Fluorobiphenyl (Surr)	*79*		*31 - 120*
2-Fluorophenol (Surr)	*58*		*17 120*
Nitrobenzene-d5 (Surr)	*66*		*27 - 120*
Phenol-d6 (Surr)	*37*		*10 - 120*
p-Terphenyl-d14 (Surr)	*86*		*45 - 120*

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

Lab Sample ID: MB 570-736059/12
Matrix: Water
Analysis Batch: 736059

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			05/08/26 14:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*38 - 134*		*05/08/26 14:43*	*1*

Lab Sample ID: LCS 570-736059/1010
Matrix: Water
Analysis Batch: 736059

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	420		ug/L		105	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*38 - 134*

Lab Sample ID: LCSD 570-736059/11
Matrix: Water
Analysis Batch: 736059

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	395		ug/L		99	78 - 120	6	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 570-736059/1005
Matrix: Water
Analysis Batch: 736059

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	11.5		ug/L		115	50 - 150		

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

Lab Sample ID: 380-210938-C-1 MS
Matrix: Water
Analysis Batch: 736059

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	388		ug/L		97	68 - 122		

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

Lab Sample ID: 380-210938-C-1 MSD
Matrix: Water
Analysis Batch: 736059

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	392		ug/L		98	68 - 122	1	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*38 - 134*

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

Lab Sample ID: MB 570-732112/1-A
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 732112

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		04/30/26 09:45	05/04/26 15:10	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		04/30/26 09:45	05/04/26 15:10	1
C8-C18	<25		25		ug/L		04/30/26 09:45	05/04/26 15:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*115*		*60 - 130*	*04/30/26 09:45*	*05/04/26 15:10*	*1*

Lab Sample ID: LCS 570-732112/2-A
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 732112

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1510		ug/L		94	56 - 127		

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

Lab Sample ID: LCS 570-732112/2-A
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 732112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	126		60 - 130

Lab Sample ID: LCSD 570-732112/3-A
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 732112

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1530		ug/L		96	56 - 127	2	23

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	129		60 - 130

Lab Sample ID: MRL 570-732112/4-A
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 732112

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0245	J	mg/L		123	50 - 150		

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

Lab Sample ID: 380-210938-B-1-B MS
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 732112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1640	1660		ug/L		101	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	131	S1+	60 - 130

Lab Sample ID: 380-210938-B-1-C MSD
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 732112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1660	1630		ug/L		98	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	129		60 - 130

QC Association Summary

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

Job ID: 380-211233-1
SDG: Weekly: Halawa Shaft Viewing Pool

GC/MS Semi VOA

Prep Batch: 225056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-211233-1	Halawa Shaft Viewing Pool	Total/NA	Water	525.2	
MB 380-225056/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-225056/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-225056/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-211233-1 MS	Halawa Shaft Viewing Pool	Total/NA	Water	525.2	
380-210103-R-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 225514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-211233-1	Halawa Shaft Viewing Pool	Total/NA	Water	525.2	225056
MB 380-225056/21-A	Method Blank	Total/NA	Water	525.2	225056
LCS 380-225056/23-A	Lab Control Sample	Total/NA	Water	525.2	225056
MRL 380-225056/22-A	Lab Control Sample	Total/NA	Water	525.2	225056
380-211233-1 MS	Halawa Shaft Viewing Pool	Total/NA	Water	525.2	225056
380-210103-R-1-A DU	Duplicate	Total/NA	Water	525.2	225056

Prep Batch: 733738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-211233-1	Halawa Shaft Viewing Pool	Total/NA	Water	625.1	
MB 570-733738/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-733738/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-733738/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 734528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-211233-1	Halawa Shaft Viewing Pool	Total/NA	Water	625.1 SIM	733738
MB 570-733738/1-A	Method Blank	Total/NA	Water	625.1 SIM	733738
LCS 570-733738/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	733738
LCSD 570-733738/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	733738

Analysis Batch: 734979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-211233-1	Halawa Shaft Viewing Pool	Total/NA	Water	625.1	733738
MB 570-733738/1-A	Method Blank	Total/NA	Water	625.1	733738

GC VOA

Analysis Batch: 736059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-211233-1	Halawa Shaft Viewing Pool	Total/NA	Water	8015B GRO LL	
380-211233-2	TB: Halawa Shaft Viewing Pool	Total/NA	Water	8015B GRO LL	
MB 570-736059/12	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-736059/1010	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-736059/11	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-736059/1005	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-210938-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-210938-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-211233-1
SDG: Weekly: Halawa Shaft Viewing Pool

GC Semi VOA

Prep Batch: 732112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-211233-1	Halawa Shaft Viewing Pool	Total/NA	Water	3510C	
MB 570-732112/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-732112/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-732112/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-732112/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-210938-B-1-B MS	Matrix Spike	Total/NA	Water	3510C	
380-210938-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 733888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-211233-1	Halawa Shaft Viewing Pool	Total/NA	Water	8015B	732112
MB 570-732112/1-A	Method Blank	Total/NA	Water	8015B	732112
LCS 570-732112/2-A	Lab Control Sample	Total/NA	Water	8015B	732112
LCSD 570-732112/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	732112
MRL 570-732112/4-A	Lab Control Sample	Total/NA	Water	8015B	732112
380-210938-B-1-B MS	Matrix Spike	Total/NA	Water	8015B	732112
380-210938-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	732112

Lab Chronicle

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

Job ID: 380-211233-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-211233-1

Date Collected: 04/28/26 09:30
Matrix: Water
Date Received: 04/30/26 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			225056	IQ42	EA POM	05/05/26 14:25
Total/NA	Analysis	525.2		1	225514	Q8LA	EA POM	05/07/26 12:42
Total/NA	Prep	625.1			733738	H1SH	EET CAL 4	05/04/26 09:53
Total/NA	Analysis	625.1		1	734979	PQS1	EET CAL 4	05/06/26 12:29
Total/NA	Prep	625.1			733738	H1SH	EET CAL 4	05/04/26 09:53
Total/NA	Analysis	625.1 SIM		1	734528	NUUG	EET CAL 4	05/05/26 18:15
Total/NA	Analysis	8015B GRO LL		1	736059	A9VE	EET CAL 4	05/08/26 22:14
Total/NA	Prep	3510C			732112	TVD6	EET CAL 4	04/30/26 16:48
Total/NA	Analysis	8015B		1	733888	H6FE	EET CAL 4	05/04/26 20:34

Client Sample ID: TB: Halawa Shaft Viewing Pool

Lab Sample ID: 380-211233-2

Date Collected: 04/28/26 09:30
Matrix: Water
Date Received: 04/30/26 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	736059	A9VE	EET CAL 4	05/08/26 23:46

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: 380-211233-1
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 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	11-17-26
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: 380-211233-1
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	05-10-26
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: 380-211233-1
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: 380-211233-1
SDG: Weekly: Halawa Shaft Viewing Pool

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-211233-1	Halawa Shaft Viewing Pool	Water	04/28/26 09:30	04/30/26 10:00	Hawaii
380-211233-2	TB: Halawa Shaft Viewing Pool	Water	04/28/26 09:30	04/30/26 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
Other:

380-211233 COC

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_C9 - 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:				R	RA	Q	QA	Y	I		
Halawa Shaft Viewing Pool	28-Apr-2026	0930	G	Water			2	3	2	2				
TB: Halawa Shaft Viewing Pool	28-Apr-2026	V	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: Fed X 871236152321
Relinquished by: [redacted]	Date/Time: 4/29/26 1100	Company: HBWS	Received by: Mark Mercurio	Date/Time: 4/30/26 1000	Company: EEAP
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: (631A) 1.5+0.2=1.7 gel-frozen

Ver: 04/02/2024

5/13/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-211233-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 211233
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: 380-211233-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 211233
List Number: 2
Creator: Mills, Mary

List Source: Eurofins Calscience
List Creation: 04/30/26 04:35 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	0.4
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	