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ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly: Halawa Shaft Viewing Pool
RUSH Weekly Red Hill

JOB NUMBER

380-214057-1

Eurofins Pomona

Job Notes

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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



Authorized for release by
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Definitions/Glossary

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
^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.

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

Case Narrative

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

Job ID: 380-214057-1

Job ID: 380-214057-1

Eurofins Pomona

Job Narrative 380-214057-1

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 5/14/2026 10:16 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 1.6°C.

Receipt Exceptions

The following sample was received with headspace in the sample container: 1 of 3 vials received with headspace. HALAWA SHAFT VIEWING POOL (380-214057-1). Enough volume remained for analysis. (XWB4)

GC/MS Semi VOA

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

Gasoline Range Organics

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

Diesel Range Organics

Method 8015B: 8015B results for HALAWA SHAFT VIEWING POOL (380-214057-1) collected on 05/12/26 is a follow up sample for HALAWA SHAFT VIEWING POOL (380-212217-1) collected on 05/05/26. (XWB4)

Method 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-740598. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method: 3510C_LL / 8015B_LL_CS

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

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Detection Summary

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-214057-1

No Detections.

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-214057-2

No Detections.

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This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-214057-1

Date Collected: 05/12/26 09:30

Matrix: Drinking Water

Date Received: 05/14/26 10:16

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		05/19/26 07:46	05/20/26 14:13	1
2,4'-DDD	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
2,4'-DDE	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
2,4'-DDT	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
2-Methylnaphthalene	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
4,4'-DDD	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
4,4'-DDE	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
4,4'-DDT	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Acenaphthene	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Acenaphthylene	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Acetochlor	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Alachlor	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
alpha-BHC	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
alpha-Chlordane	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Anthracene	<0.019		0.019	ug/L		05/19/26 07:46	05/20/26 14:13	1
Atrazine	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Benz(a)anthracene	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Benzo[a]pyrene	<0.019		0.019	ug/L		05/19/26 07:46	05/20/26 14:13	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		05/19/26 07:46	05/20/26 14:13	1
Benzo[g,h,i]perylene	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		05/19/26 07:46	05/20/26 14:13	1
beta-BHC	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		05/19/26 07:46	05/20/26 14:13	1
Bromacil	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Butachlor	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Butylbenzylphthalate	<0.48		0.48	ug/L		05/19/26 07:46	05/20/26 14:13	1
Chlorobenzilate	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Chloroneb	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Chlorpyrifos	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Chrysene	<0.019		0.019	ug/L		05/19/26 07:46	05/20/26 14:13	1
delta-BHC	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		05/19/26 07:46	05/20/26 14:13	1
Dibenz(a,h)anthracene	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Diclorvos (DDVP)	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Dieldrin	<0.0097		0.0097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Diethylphthalate	<0.48		0.48	ug/L		05/19/26 07:46	05/20/26 14:13	1
Dimethylphthalate	<0.48		0.48	ug/L		05/19/26 07:46	05/20/26 14:13	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		05/19/26 07:46	05/20/26 14:13	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Endosulfan sulfate	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Endrin	<0.0097	^3+	0.0097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Endrin aldehyde	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
EPTC	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Fluoranthene	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1

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Client Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-214057-1

Date Collected: 05/12/26 09:30

Matrix: Drinking Water

Date Received: 05/14/26 10:16

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
gamma-Chlordane	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Heptachlor	<0.0097		0.0097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Hexachlorobenzene	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Hexachlorocyclopentadiene	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Isophorone	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Lindane	<0.0097		0.0097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Malathion	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Methoxychlor	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Metolachlor	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Molinate	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Naphthalene	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Parathion	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Phenanthrene	<0.039		0.039	ug/L		05/19/26 07:46	05/20/26 14:13	1
Propachlor	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Pyrene	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Simazine	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Terbacil	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Terbutylazine	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Thiobencarb	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		05/19/26 07:46	05/20/26 14:13	1
trans-Nonachlor	<0.048		0.048	ug/L		05/19/26 07:46	05/20/26 14:13	1
Trifluralin	<0.097		0.097	ug/L		05/19/26 07:46	05/20/26 14:13	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	05/19/26 07:46	05/20/26 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	101		70 - 130	05/19/26 07:46	05/20/26 14:13	1
Perylene-d12	92		70 - 130	05/19/26 07:46	05/20/26 14:13	1
Triphenylphosphate	94		70 - 130	05/19/26 07:46	05/20/26 14:13	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	*1	0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
2-Methylnaphthalene	<0.19	*1	0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Acenaphthene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Acenaphthylene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Anthracene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Benzo[a]anthracene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Benzo[a]pyrene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Chrysene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Fluoranthene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-214057-1

Date Collected: 05/12/26 09:30

Matrix: Drinking Water

Date Received: 05/14/26 10:16

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		05/17/26 08:58	05/20/26 03:06	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Naphthalene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Phenanthrene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1
Pyrene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		28 - 127	05/17/26 08:58	05/20/26 03:06	1
2-Fluorobiphenyl (Surr)	88		31 - 120	05/17/26 08:58	05/20/26 03:06	1
2-Fluorophenol (Surr)	50		17 - 120	05/17/26 08:58	05/20/26 03:06	1
Nitrobenzene-d5 (Surr)	91		27 - 120	05/17/26 08:58	05/20/26 03:06	1
Phenol-d6 (Surr)	30		10 - 120	05/17/26 08:58	05/20/26 03:06	1
p-Terphenyl-d14 (Surr)	88		45 - 120	05/17/26 08:58	05/20/26 03:06	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	05/17/26 08:58	05/26/26 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		33 - 139	05/17/26 08:58	05/26/26 13:06	1
2-Fluorobiphenyl (Surr)	91		33 - 126	05/17/26 08:58	05/26/26 13:06	1
2-Fluorophenol (Surr)	59		12 - 120	05/17/26 08:58	05/26/26 13:06	1
Nitrobenzene-d5 (Surr)	89		36 - 120	05/17/26 08:58	05/26/26 13:06	1
Phenol-d6 (Surr)	33		10 - 120	05/17/26 08:58	05/26/26 13:06	1
p-Terphenyl-d14 (Surr)	86		47 - 131	05/17/26 08:58	05/26/26 13:06	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			05/22/26 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		38 - 134		05/22/26 15:07	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		05/18/26 14:35	05/18/26 19:03	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		05/18/26 14:35	05/18/26 19:03	1
C8-C18	<26		26	ug/L		05/18/26 14:35	05/18/26 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	123		60 - 130	05/18/26 14:35	05/18/26 19:03	1

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-214057-2

Date Collected: 05/12/26 09:30

Matrix: Water

Date Received: 05/14/26 10:16

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			05/22/26 13:58	1

Client Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-214057-2

Date Collected: 05/12/26 09:30

Matrix: Water

Date Received: 05/14/26 10:16

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
4-Bromofluorobenzene (Surr)	105		38 - 134		05/22/26 13:58	1

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Action Limit Summary

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-214057-1

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	RL	Method	Prep Type
				Limit			
Alachlor	<0.048		ug/L	2	0.048	525.2	Total/NA
Atrazine	<0.048		ug/L	3	0.048	525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0097	^3+	ug/L	2	0.0097	525.2	Total/NA
Heptachlor	<0.0097		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Hexachlorobenzene	<0.048		ug/L	1	0.048	525.2	Total/NA
Hexachlorocyclopentadiene	<0.048		ug/L	50	0.048	525.2	Total/NA
Lindane	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Methoxychlor	<0.048		ug/L	40	0.048	525.2	Total/NA
Simazine	<0.048		ug/L	4	0.048	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-214057-1	HALAWA SHAFT VIEWING POC	101	92	94

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-213978-O-1-A MS	Matrix Spike	100	96	95
380-214120-Q-2-A DU	Duplicate	101	83	97
LCS 380-228014/23-A	Lab Control Sample	102	96	92
MB 380-228014/21-A	Method Blank	99	88	96
MRL 380-228014/22-A	Lab Control Sample	99	93	95

Surrogate Legend

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-214057-1	HALAWA SHAFT VIEWING POC	76	91	59	89	33	86

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: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-214057-1	HALAWA SHAFT VIEWING POC	95	88	50	91	30	88

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Surrogate Summary

Client: City & County of Honolulu

Job ID: 380-214057-1

Project/Site: RED-HILL

SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-213690-A-1-A MS	Matrix Spike	93	85	57	74	35	90
380-213690-A-1-B MSD	Matrix Spike Duplicate	89	81	54	72	34	87

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL6 = Phenol-d6 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (38-134)
380-214057-1	HALAWA SHAFT VIEWING PO	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (38-134)
380-214057-2	TB: HALAWA SHAFT VIEWING	105
570-279849-A-4 MSD	Matrix Spike Duplicate	91
570-279849-C-4 MS	Matrix Spike	99
LCS 570-742887/3	Lab Control Sample	93
LCSD 570-742887/4	Lab Control Sample Dup	100
MB 570-742887/6	Method Blank	99
MRL 570-742887/5	Lab Control Sample	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1 (60-130)
380-214057-1	HALAWA SHAFT VIEWING PO	123

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Surrogate Summary

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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)
LCS 570-740598/2-A	Lab Control Sample	113
LCSD 570-740598/3-A	Lab Control Sample Dup	121
MB 570-740598/1-A	Method Blank	121
MRL 570-740598/4-A	Lab Control Sample	119

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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QC Sample Results

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

Job ID: 380-214057-1
 SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 380-228014/21-A
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 228014

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
2,4'-DDD	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
2,4'-DDE	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
2,4'-DDT	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
2-Methylnaphthalene	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
4,4'-DDD	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
4,4'-DDE	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
4,4'-DDT	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Acenaphthene	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Acenaphthylene	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Acetochlor	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Alachlor	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
alpha-BHC	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
alpha-Chlordane	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Anthracene	<0.020		0.020	ug/L		05/19/26 07:46	05/20/26 11:11	1
Atrazine	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Benz(a)anthracene	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Benzo[a]pyrene	<0.020		0.020	ug/L		05/19/26 07:46	05/20/26 11:11	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		05/19/26 07:46	05/20/26 11:11	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		05/19/26 07:46	05/20/26 11:11	1
beta-BHC	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60	ug/L		05/19/26 07:46	05/20/26 11:11	1
Bromacil	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Butachlor	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Butylbenzylphthalate	<0.50		0.50	ug/L		05/19/26 07:46	05/20/26 11:11	1
Chlorobenzilate	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Chloroneb	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Chlorpyrifos	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Chrysene	<0.020		0.020	ug/L		05/19/26 07:46	05/20/26 11:11	1
delta-BHC	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		05/19/26 07:46	05/20/26 11:11	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Dieldrin	<0.0099		0.0099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Diethylphthalate	<0.50		0.50	ug/L		05/19/26 07:46	05/20/26 11:11	1
Dimethylphthalate	<0.50		0.50	ug/L		05/19/26 07:46	05/20/26 11:11	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		05/19/26 07:46	05/20/26 11:11	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Endosulfan sulfate	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Endrin	<0.0099	^3+	0.0099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Endrin aldehyde	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
EPTC	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1

QC Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 380-228014/21-A
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 228014

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Fluorene	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
gamma-Chlordane	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Heptachlor	<0.0099		0.0099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Hexachlorobenzene	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Isophorone	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Lindane	<0.0099		0.0099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Malathion	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Methoxychlor	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Metolachlor	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Molinate	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Naphthalene	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Parathion	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Phenanthrene	<0.040		0.040	ug/L		05/19/26 07:46	05/20/26 11:11	1
Propachlor	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Pyrene	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Simazine	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Terbacil	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Terbutylazine	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Thiobencarb	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		05/19/26 07:46	05/20/26 11:11	1
trans-Nonachlor	<0.050		0.050	ug/L		05/19/26 07:46	05/20/26 11:11	1
Trifluralin	<0.099		0.099	ug/L		05/19/26 07:46	05/20/26 11:11	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Undecane	6.59	T J N	ug/L		3.19	1120-21-4	05/19/26 07:46	05/20/26 11:11	1
9-Octadecenamide, (Z)-	2.59	T J N	ug/L		7.98	301-02-0	05/19/26 07:46	05/20/26 11:11	1
13-Docosenamide, (Z)-	1.39	T J N	ug/L		10.53	112-84-5	05/19/26 07:46	05/20/26 11:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	99		70 - 130	05/19/26 07:46	05/20/26 11:11	1
Perylene-d12	88		70 - 130	05/19/26 07:46	05/20/26 11:11	1
Triphenylphosphate	96		70 - 130	05/19/26 07:46	05/20/26 11:11	1

Lab Sample ID: LCS 380-228014/23-A
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 228014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1-Methylnaphthalene	1.99	2.01		ug/L		101	70 - 130
2,4'-DDD	1.99	1.87		ug/L		94	70 - 130
2,4'-DDE	1.99	1.99		ug/L		100	70 - 130
2,4'-DDT	1.99	1.94		ug/L		97	70 - 130
2,4-Dinitrotoluene	1.99	2.03		ug/L		102	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 380-228014/23-A
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 228014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	1.99	2.05		ug/L		103	70 - 130
2-Methylnaphthalene	1.99	1.98		ug/L		99	70 - 130
4,4'-DDD	1.99	1.96		ug/L		98	70 - 130
4,4'-DDE	1.99	1.96		ug/L		99	70 - 130
4,4'-DDT	1.99	2.06		ug/L		103	70 - 130
Acenaphthene	1.99	2.05		ug/L		103	70 - 130
Acenaphthylene	1.99	1.90		ug/L		96	70 - 130
Acetochlor	1.99	2.21		ug/L		111	70 - 130
Alachlor	1.99	2.26		ug/L		113	70 - 130
alpha-BHC	1.99	1.94		ug/L		98	70 - 130
alpha-Chlordane	1.99	2.07		ug/L		104	70 - 130
Anthracene	1.99	2.08		ug/L		105	70 - 130
Atrazine	1.99	1.92		ug/L		97	70 - 130
Benz(a)anthracene	1.99	1.99		ug/L		100	70 - 130
Benzo[a]pyrene	1.99	1.96		ug/L		98	70 - 130
Benzo[b]fluoranthene	1.99	2.23		ug/L		112	70 - 130
Benzo[g,h,i]perylene	1.99	2.22		ug/L		111	70 - 130
Benzo[k]fluoranthene	1.99	2.16		ug/L		108	70 - 130
beta-BHC	1.99	1.95		ug/L		98	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	2.27		ug/L		114	70 - 130
Bromacil	1.99	1.82		ug/L		91	70 - 130
Butachlor	1.99	2.23		ug/L		112	70 - 130
Butylbenzylphthalate	1.99	2.18		ug/L		109	70 - 130
Chlorobenzilate	1.99	2.10		ug/L		105	70 - 130
Chloroneb	1.99	2.01		ug/L		101	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	1.96		ug/L		98	70 - 130
Chlorpyrifos	1.99	1.88		ug/L		94	70 - 130
Chrysene	1.99	1.96		ug/L		98	70 - 130
delta-BHC	1.99	2.09		ug/L		105	70 - 130
Di(2-ethylhexyl)adipate	1.99	2.19		ug/L		110	70 - 130
Dibenz(a,h)anthracene	1.99	2.21		ug/L		111	70 - 130
Diclorvos (DDVP)	1.99	1.93		ug/L		97	70 - 130
Dieldrin	1.99	2.19		ug/L		110	70 - 130
Diethylphthalate	1.99	2.14		ug/L		107	70 - 130
Dimethylphthalate	1.99	2.05		ug/L		103	70 - 130
Di-n-butyl phthalate	3.98	4.22		ug/L		106	70 - 130
Di-n-octyl phthalate	1.99	2.12		ug/L		106	70 - 130
Endosulfan I (Alpha)	1.99	2.08		ug/L		105	70 - 130
Endosulfan II (Beta)	1.99	2.14		ug/L		108	70 - 130
Endosulfan sulfate	1.99	2.03		ug/L		102	70 - 130
Endrin	1.99	2.31		ug/L		116	70 - 130
Endrin aldehyde	1.99	2.04		ug/L		103	60 - 130
EPTC	1.99	2.02		ug/L		102	70 - 130
Fluoranthene	1.99	1.91		ug/L		96	70 - 130
Fluorene	1.99	2.01		ug/L		101	70 - 130
gamma-Chlordane	1.99	2.16		ug/L		108	70 - 130
Heptachlor	1.99	2.06		ug/L		104	70 - 130
Heptachlor epoxide (isomer B)	1.99	2.19		ug/L		110	70 - 130
Hexachlorobenzene	1.99	1.90		ug/L		96	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 380-228014/23-A
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 228014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	1.99	1.72		ug/L		86	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	2.21		ug/L		111	70 - 130
Isophorone	1.99	2.22		ug/L		111	70 - 130
Lindane	1.99	2.07		ug/L		104	70 - 130
Malathion	1.99	2.04		ug/L		102	70 - 130
Methoxychlor	1.99	2.31		ug/L		116	70 - 130
Metolachlor	1.99	2.22		ug/L		112	70 - 130
Molinate	1.99	1.98		ug/L		100	70 - 130
Naphthalene	1.99	2.01		ug/L		101	70 - 130
Parathion	1.99	2.16		ug/L		109	70 - 130
Pendimethalin (Penoxaline)	1.99	1.87		ug/L		94	70 - 130
Phenanthrene	1.99	2.07		ug/L		104	70 - 130
Propachlor	1.99	2.06		ug/L		104	70 - 130
Pyrene	1.99	1.94		ug/L		97	70 - 130
Simazine	1.99	1.86		ug/L		93	70 - 130
Terbacil	1.99	2.15		ug/L		108	70 - 130
Terbutylazine	1.99	1.90		ug/L		96	70 - 130
Thiobencarb	1.99	1.99		ug/L		100	70 - 130
trans-Nonachlor	1.99	1.99		ug/L		100	70 - 130
Trifluralin	1.99	1.86		ug/L		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	102		70 - 130
Perylene-d12	96		70 - 130
Triphenylphosphate	92		70 - 130

Lab Sample ID: MRL 380-228014/22-A
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 228014

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0992	0.109		ug/L		110	50 - 150
2,4'-DDD	0.0992	0.0954	J	ug/L		96	50 - 150
2,4'-DDE	0.0992	0.102		ug/L		103	50 - 150
2,4'-DDT	0.0992	0.116		ug/L		117	50 - 150
2,4-Dinitrotoluene	0.0992	0.102		ug/L		103	50 - 150
2,6-Dinitrotoluene	0.0992	0.121		ug/L		122	50 - 150
2-Methylnaphthalene	0.0992	0.104		ug/L		105	50 - 150
4,4'-DDD	0.0992	0.109		ug/L		110	50 - 150
4,4'-DDE	0.0992	0.106		ug/L		106	50 - 150
4,4'-DDT	0.0992	0.118		ug/L		119	50 - 150
Acenaphthene	0.0992	0.101		ug/L		102	50 - 150
Acenaphthylene	0.0992	0.0899	J	ug/L		91	50 - 150
Acetochlor	0.0992	0.129		ug/L		130	50 - 150
Alachlor	0.0496	0.0636		ug/L		128	50 - 150
alpha-BHC	0.0992	0.107		ug/L		108	50 - 150
alpha-Chlordane	0.0248	<0.029		ug/L		106	50 - 150
Anthracene	0.0198	0.0240		ug/L		121	50 - 150

QC Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 380-228014/22-A
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 228014

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	0.0496	0.0545		ug/L		110	50 - 150
Benz(a)anthracene	0.0496	0.0471	J	ug/L		95	50 - 150
Benzo[a]pyrene	0.0198	0.0224		ug/L		113	50 - 150
Benzo[b]fluoranthene	0.0198	0.0229		ug/L		115	50 - 150
Benzo[g,h,i]perylene	0.0496	0.0525		ug/L		106	50 - 150
Benzo[k]fluoranthene	0.0198	0.0260		ug/L		131	50 - 150
beta-BHC	0.0992	0.105		ug/L		106	50 - 150
Bis(2-ethylhexyl) phthalate	0.595	0.673		ug/L		113	50 - 150
Bromacil	0.0992	0.111		ug/L		112	50 - 150
Butachlor	0.0496	0.0624		ug/L		126	50 - 150
Butylbenzylphthalate	0.496	0.560		ug/L		113	50 - 150
Chlorobenzilate	0.0992	0.116		ug/L		117	50 - 150
Chloroneb	0.0992	0.0966	J	ug/L		97	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0992	0.0903	J	ug/L		91	50 - 150
Chlorpyrifos	0.0496	0.0580		ug/L		117	50 - 150
Chrysene	0.0198	0.0269		ug/L		136	50 - 150
delta-BHC	0.0992	0.111		ug/L		112	50 - 150
Di(2-ethylhexyl)adipate	0.595	0.703		ug/L		118	50 - 150
Dibenz(a,h)anthracene	0.0496	0.0563		ug/L		114	50 - 150
Diclorvos (DDVP)	0.0496	0.0519		ug/L		105	50 - 150
Dieldrin	0.00992	0.00835	J	ug/L		84	50 - 150
Diethylphthalate	0.496	0.514		ug/L		104	50 - 150
Dimethylphthalate	0.496	0.500		ug/L		101	50 - 150
Di-n-butyl phthalate	0.496	0.533	J	ug/L		107	49 - 243
Di-n-octyl phthalate	0.0992	0.108		ug/L		109	50 - 150
Endosulfan I (Alpha)	0.0992	0.109		ug/L		110	50 - 150
Endosulfan II (Beta)	0.0992	0.117		ug/L		118	50 - 150
Endosulfan sulfate	0.0992	0.108		ug/L		109	50 - 150
Endrin	0.00992	0.0150	^3+	ug/L		152	50 - 150
Endrin aldehyde	0.0992	0.110		ug/L		111	50 - 150
EPTC	0.0992	0.106		ug/L		106	50 - 150
Fluoranthene	0.0992	0.106		ug/L		107	50 - 150
Fluorene	0.0496	0.0554		ug/L		112	50 - 150
gamma-Chlordane	0.0248	0.0283	J	ug/L		114	50 - 150
Heptachlor	0.00992	0.0130		ug/L		131	50 - 150
Heptachlor epoxide (isomer B)	0.00992	0.00997		ug/L		101	50 - 150
Hexachlorobenzene	0.0496	0.0459	J	ug/L		93	50 - 150
Hexachlorocyclopentadiene	0.0496	0.0471	J	ug/L		95	50 - 150
Indeno[1,2,3-cd]pyrene	0.0496	0.0528		ug/L		107	50 - 150
Isophorone	0.0992	0.127		ug/L		128	50 - 150
Lindane	0.00992	0.0112		ug/L		113	50 - 150
Malathion	0.0992	0.111		ug/L		112	50 - 150
Methoxychlor	0.0496	0.0657		ug/L		133	50 - 150
Metolachlor	0.0496	0.0596		ug/L		120	50 - 150
Molinate	0.0992	0.110		ug/L		111	50 - 150
Naphthalene	0.0992	0.105		ug/L		106	50 - 150
Parathion	0.0992	0.0976	J	ug/L		98	50 - 150
Pendimethalin (Penoxaline)	0.0992	0.0981	J	ug/L		99	50 - 150
Phenanthrene	0.0397	0.0460		ug/L		116	50 - 150

Eurofins Pomona

QC Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 380-228014/22-A
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 228014

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Propachlor	0.0496	0.0573		ug/L		116	50 - 150
Pyrene	0.0496	0.0543		ug/L		110	50 - 150
Simazine	0.0496	0.0515		ug/L		104	50 - 150
Terbacil	0.0992	0.105		ug/L		106	50 - 150
Terbutylazine	0.0992	0.106		ug/L		107	50 - 150
Thiobencarb	0.0992	0.108		ug/L		109	50 - 150
trans-Nonachlor	0.0248	0.0291	J	ug/L		117	50 - 150
Trifluralin	0.0992	0.0993		ug/L		100	50 - 150
	<i>MRL</i>	<i>MRL</i>					
Surrogate	%Recovery	Qualifier	Limits				
2-Nitro-m-xylene	99		70 - 130				
Perylene-d12	93		70 - 130				
Triphenylphosphate	95		70 - 130				

Lab Sample ID: 380-213978-O-1-A MS
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 228014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.94	1.96		ug/L		100	70 - 130
2,4'-DDD	<0.097		1.94	1.80		ug/L		93	70 - 130
2,4'-DDE	<0.097		1.94	1.84		ug/L		95	70 - 130
2,4'-DDT	<0.097		1.94	1.81		ug/L		93	70 - 130
2,4-Dinitrotoluene	<0.097		1.94	1.99		ug/L		102	70 - 130
2,6-Dinitrotoluene	<0.097		1.94	2.02		ug/L		104	70 - 130
2-Methylnaphthalene	<0.097		1.94	1.96		ug/L		100	70 - 130
4,4'-DDD	<0.097		1.94	1.88		ug/L		97	70 - 130
4,4'-DDE	<0.097		1.94	1.78		ug/L		91	70 - 130
4,4'-DDT	<0.097		1.94	1.87		ug/L		96	70 - 130
Acenaphthene	<0.097		1.94	1.98		ug/L		102	70 - 130
Acenaphthylene	<0.097		1.94	1.86		ug/L		96	70 - 130
Acetochlor	<0.097		1.94	2.16		ug/L		111	70 - 130
Alachlor	<0.048		1.94	2.16		ug/L		111	70 - 130
alpha-BHC	<0.097		1.94	1.92		ug/L		99	70 - 130
alpha-Chlordane	<0.048		1.94	2.00		ug/L		103	70 - 130
Anthracene	<0.019		1.94	1.65		ug/L		85	70 - 130
Atrazine	<0.048		1.94	1.95		ug/L		99	70 - 130
Benz(a)anthracene	<0.048		1.94	1.89		ug/L		97	70 - 130
Benzo[a]pyrene	<0.019		1.94	1.79		ug/L		92	70 - 130
Benzo[b]fluoranthene	<0.019		1.94	2.23		ug/L		115	70 - 130
Benzo[g,h,i]perylene	<0.048		1.94	2.06		ug/L		106	70 - 130
Benzo[k]fluoranthene	<0.019		1.94	2.06		ug/L		106	70 - 130
beta-BHC	<0.097		1.94	1.92		ug/L		99	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.94	1.87		ug/L		96	70 - 130
Bromacil	<0.097		1.94	1.77		ug/L		91	70 - 130
Butachlor	<0.048		1.94	2.17		ug/L		112	70 - 130
Butylbenzylphthalate	<0.48		1.94	2.12		ug/L		109	70 - 130
Chlorobenzilate	<0.097		1.94	2.07		ug/L		107	70 - 130

QC Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-213978-O-1-A MS
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 228014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroneb	<0.097		1.94	1.98		ug/L		102	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.94	2.01		ug/L		103	70 - 130
Chlorpyrifos	<0.048		1.94	1.86		ug/L		96	70 - 130
Chrysene	<0.019		1.94	1.97		ug/L		101	70 - 130
delta-BHC	<0.097		1.94	1.97		ug/L		102	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.94	1.88		ug/L		97	70 - 130
Dibenz(a,h)anthracene	<0.048		1.94	2.05		ug/L		105	70 - 130
Diclorvos (DDVP)	<0.048		1.94	1.91		ug/L		98	70 - 130
Dieldrin	<0.0097		1.94	2.18		ug/L		112	70 - 130
Diethylphthalate	<0.48		1.94	2.10		ug/L		108	70 - 130
Dimethylphthalate	<0.48		1.94	2.04		ug/L		105	70 - 130
Di-n-butyl phthalate	<0.97		3.89	4.12		ug/L		106	70 - 130
Di-n-octyl phthalate	<0.097		1.94	1.67		ug/L		86	70 - 130
Endosulfan I (Alpha)	<0.097		1.94	2.00		ug/L		103	70 - 130
Endosulfan II (Beta)	<0.097		1.94	2.06		ug/L		106	70 - 130
Endosulfan sulfate	<0.097		1.94	2.02		ug/L		104	70 - 130
Endrin	<0.0097	^3+	1.94	2.32		ug/L		120	70 - 130
Endrin aldehyde	<0.097		1.94	1.80		ug/L		93	60 - 130
EPTC	<0.097		1.94	1.97		ug/L		101	70 - 130
Fluoranthene	<0.097		1.94	1.85		ug/L		95	70 - 130
Fluorene	<0.048		1.94	1.98		ug/L		102	70 - 130
gamma-Chlordane	<0.048		1.94	2.09		ug/L		108	70 - 130
Heptachlor	<0.0097		1.94	2.04		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.94	2.06		ug/L		106	70 - 130
Hexachlorobenzene	<0.048		1.94	1.82		ug/L		94	70 - 130
Hexachlorocyclopentadiene	<0.048		1.94	1.73		ug/L		89	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.94	2.06		ug/L		106	70 - 130
Isophorone	<0.097		1.94	2.19		ug/L		113	70 - 130
Lindane	<0.0097		1.94	2.05		ug/L		105	70 - 130
Malathion	<0.097		1.94	2.01		ug/L		103	70 - 130
Methoxychlor	<0.048		1.94	2.36		ug/L		121	70 - 130
Metolachlor	<0.048		1.94	2.14		ug/L		110	70 - 130
Molinate	<0.097		1.94	1.99		ug/L		103	70 - 130
Naphthalene	<0.097		1.94	1.92		ug/L		98	70 - 130
Parathion	<0.097		1.94	2.16		ug/L		111	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.94	1.90		ug/L		98	70 - 130
Phenanthrene	<0.039		1.94	1.98		ug/L		102	70 - 130
Propachlor	<0.048		1.94	2.08		ug/L		107	70 - 130
Pyrene	<0.048		1.94	1.89		ug/L		97	70 - 130
Simazine	<0.048		1.94	1.84		ug/L		95	70 - 130
Terbacil	<0.097		1.94	2.12		ug/L		109	70 - 130
Terbutylazine	<0.097		1.94	1.95		ug/L		100	70 - 130
Thiobencarb	<0.097		1.94	1.96		ug/L		101	70 - 130
trans-Nonachlor	<0.048		1.94	1.89		ug/L		98	70 - 130
Trifluralin	<0.097		1.94	1.86		ug/L		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
2-Nitro-m-xylene	100		70 - 130

QC Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-213978-O-1-A MS
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 228014

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
<i>Perylene-d12</i>	96		70 - 130
<i>Triphenylphosphate</i>	95		70 - 130

Lab Sample ID: 380-214120-Q-2-A DU
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 228014

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
1-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
2,4'-DDD	<0.097		<0.097		ug/L		NC	20
2,4'-DDE	<0.097		<0.097		ug/L		NC	20
2,4'-DDT	<0.097		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
4,4'-DDD	<0.097		<0.097		ug/L		NC	20
4,4'-DDE	<0.097		<0.097		ug/L		NC	20
4,4'-DDT	<0.097		<0.097		ug/L		NC	20
Acenaphthene	<0.097		<0.097		ug/L		NC	20
Acenaphthylene	<0.097		<0.097		ug/L		NC	20
Acetochlor	<0.097		<0.097		ug/L		NC	20
Alachlor	<0.048		<0.049		ug/L		NC	20
alpha-BHC	<0.097		<0.097		ug/L		NC	20
alpha-Chlordane	<0.048		<0.049		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.048		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.048		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.019		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.048		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.097		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Bromacil	<0.097		<0.097		ug/L		NC	20
Butachlor	<0.048		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.48		<0.49		ug/L		NC	20
Chlorobenzilate	<0.097		<0.097		ug/L		NC	20
Chloroneb	<0.097		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.097		<0.097		ug/L		NC	20
Chlorpyrifos	<0.048		<0.049		ug/L		NC	20
Chrysene	<0.019		<0.019		ug/L		NC	20
delta-BHC	<0.097		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.048		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.048		<0.049		ug/L		NC	20
Dieldrin	<0.0097		<0.0097		ug/L		NC	20
Diethylphthalate	<0.48		<0.49		ug/L		NC	20
Dimethylphthalate	<0.48		<0.49		ug/L		NC	20

QC Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-214120-Q-2-A DU
Matrix: Water
Analysis Batch: 228309

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 228014

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Di-n-butyl phthalate	<0.97		<0.97		ug/L		NC	20
Di-n-octyl phthalate	<0.097		<0.097		ug/L		NC	20
Endosulfan I (Alpha)	<0.097		<0.097		ug/L		NC	20
Endosulfan II (Beta)	<0.097		<0.097		ug/L		NC	20
Endosulfan sulfate	<0.097		<0.097		ug/L		NC	20
Endrin	<0.0097	^3+	<0.0097		ug/L		NC	20
Endrin aldehyde	<0.097		<0.097		ug/L		NC	20
EPTC	<0.097		<0.097		ug/L		NC	20
Fluoranthene	<0.097		<0.097		ug/L		NC	20
Fluorene	<0.048		<0.049		ug/L		NC	20
gamma-Chlordane	<0.048		<0.049		ug/L		NC	20
Heptachlor	<0.0097		<0.0097		ug/L		NC	20
Heptachlor epoxide (isomer B)	<0.0097		<0.0097		ug/L		NC	20
Hexachlorobenzene	<0.048		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.048		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.048		<0.049		ug/L		NC	20
Isophorone	<0.097		<0.097		ug/L		NC	20
Lindane	<0.0097		<0.0097		ug/L		NC	20
Malathion	<0.097		<0.097		ug/L		NC	20
Methoxychlor	<0.048		<0.049		ug/L		NC	20
Metolachlor	<0.048		<0.049		ug/L		NC	20
Molinate	<0.097		<0.097		ug/L		NC	20
Naphthalene	<0.097		<0.097		ug/L		NC	20
Parathion	<0.097		<0.097		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.097		<0.097		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.048		<0.049		ug/L		NC	20
Pyrene	<0.048		<0.049		ug/L		NC	20
Simazine	<0.048		<0.049		ug/L		NC	20
Terbacil	<0.097		<0.097		ug/L		NC	20
Terbutylazine	<0.097		<0.097		ug/L		NC	20
Thiobencarb	<0.097		<0.097		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.19		<0.19		ug/L		NC	20
trans-Nonachlor	<0.048		<0.049		ug/L		NC	20
Trifluralin	<0.097		<0.097		ug/L		NC	20
		DU	DU					
Surrogate	%Recovery	Qualifier	Limits					
2-Nitro-m-xylene	101		70 - 130					
Perylene-d12	83		70 - 130					
Triphenylphosphate	97		70 - 130					

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

Lab Sample ID: 380-213690-A-1-A MS
Matrix: Water
Analysis Batch: 741368

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 740088

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
1-Methylnaphthalene	<0.19	*1	19.3	15.7		ug/L		81	36 - 120

Eurofins Pomona

QC Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-213690-A-1-A MS
Matrix: Water
Analysis Batch: 741368

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 740088

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
2-Methylnaphthalene	<0.19	*1	19.3	14.2		ug/L		74	32 - 124
Acenaphthene	<0.19		19.3	18.2		ug/L		95	47 - 145
Acenaphthylene	<0.19		19.3	18.2		ug/L		94	33 - 145
Anthracene	<0.19		19.3	18.5		ug/L		96	27 - 133
Benzo[a]anthracene	<0.19		19.3	18.9		ug/L		98	33 - 143
Benzo[a]pyrene	<0.19		19.3	17.7		ug/L		92	17 - 163
Benzo[b]fluoranthene	<0.19		19.3	18.2		ug/L		94	24 - 159
Benzo[g,h,i]perylene	<0.19		19.3	17.6		ug/L		91	1 - 219
Benzo[k]fluoranthene	<0.19		19.3	18.4		ug/L		96	11 - 162
Chrysene	<0.19		19.3	18.7		ug/L		97	17 - 168
Dibenz(a,h)anthracene	<0.19		19.3	18.4		ug/L		96	1 - 227
Fluoranthene	<0.19		19.3	18.8		ug/L		98	26 - 137
Fluorene	<0.19		19.3	18.5		ug/L		96	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.3	18.7		ug/L		97	1 - 171
Naphthalene	<0.19		19.3	15.1		ug/L		78	21 - 133
Phenanthrene	<0.19		19.3	17.9		ug/L		93	54 - 120
Pyrene	<0.19		19.3	19.8		ug/L		103	52 - 120

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	93		28 - 127
2-Fluorobiphenyl (Surr)	85		31 - 120
2-Fluorophenol (Surr)	57		17 - 120
Nitrobenzene-d5 (Surr)	74		27 - 120
Phenol-d6 (Surr)	35		10 - 120
p-Terphenyl-d14 (Surr)	90		45 - 120

Lab Sample ID: 380-213690-A-1-B MSD
Matrix: Water
Analysis Batch: 741368

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 740088

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	
	Result	Qualifier	Added	Result	Qualifier						Limits
1-Methylnaphthalene	<0.19	*1	19.3	15.2		ug/L		79	36 - 120	3	30
2-Methylnaphthalene	<0.19	*1	19.3	13.7		ug/L		71	32 - 124	4	30
Acenaphthene	<0.19		19.3	17.7		ug/L		91	47 - 145	3	48
Acenaphthylene	<0.19		19.3	17.4		ug/L		90	33 - 145	4	74
Anthracene	<0.19		19.3	17.7		ug/L		91	27 - 133	5	66
Benzo[a]anthracene	<0.19		19.3	18.5		ug/L		96	33 - 143	2	53
Benzo[a]pyrene	<0.19		19.3	17.1		ug/L		88	17 - 163	4	72
Benzo[b]fluoranthene	<0.19		19.3	17.8		ug/L		92	24 - 159	2	71
Benzo[g,h,i]perylene	<0.19		19.3	17.1		ug/L		89	1 - 219	3	97
Benzo[k]fluoranthene	<0.19		19.3	17.8		ug/L		92	11 - 162	3	63
Chrysene	<0.19		19.3	18.3		ug/L		95	17 - 168	2	87
Dibenz(a,h)anthracene	<0.19		19.3	17.8		ug/L		92	1 - 227	3	126
Fluoranthene	<0.19		19.3	18.0		ug/L		93	26 - 137	4	66
Fluorene	<0.19		19.3	17.9		ug/L		92	59 - 121	4	38
Indeno[1,2,3-cd]pyrene	<0.19		19.3	18.3		ug/L		95	1 - 171	2	99
Naphthalene	<0.19		19.3	14.5		ug/L		75	21 - 133	4	65
Phenanthrene	<0.19		19.3	17.2		ug/L		89	54 - 120	4	39

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QC Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-213690-A-1-B MSD
Matrix: Water
Analysis Batch: 741368

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 740088

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene	<0.19		19.3	19.4		ug/L		100	52 - 120	2	49
MSD MSD											
Surrogate	%Recovery	Qualifier				Limits					
2,4,6-Tribromophenol (Surr)	89					28 - 127					
2-Fluorobiphenyl (Surr)	81					31 - 120					
2-Fluorophenol (Surr)	54					17 - 120					
Nitrobenzene-d5 (Surr)	72					27 - 120					
Phenol-d6 (Surr)	34					10 - 120					
p-Terphenyl-d14 (Surr)	87					45 - 120					

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

Lab Sample ID: MB 570-742887/6
Matrix: Water
Analysis Batch: 742887

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			05/22/26 12:31	1	
MB MB									
Surrogate	%Recovery	Qualifier				Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99					38 - 134		05/22/26 12:31	1

Lab Sample ID: LCS 570-742887/3
Matrix: Water
Analysis Batch: 742887

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	408		ug/L		102	78 - 120		
LCS LCS									
Surrogate	%Recovery	Qualifier				Limits			
4-Bromofluorobenzene (Surr)	93					38 - 134			

Lab Sample ID: LCSD 570-742887/4
Matrix: Water
Analysis Batch: 742887

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	426		ug/L		107	78 - 120	4	10
LCSD LCSD									
Surrogate	%Recovery	Qualifier				Limits			
4-Bromofluorobenzene (Surr)	100					38 - 134			

QC Sample Results

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 570-742887/5
Matrix: Water
Analysis Batch: 742887

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	10.0	11.8		ug/L		118	50 - 150
Surrogate		MRL %Recovery	MRL Qualifier				Limits
4-Bromofluorobenzene (Surr)		97					38 - 134

Lab Sample ID: 570-279849-A-4 MSD
Matrix: Water
Analysis Batch: 742887

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	402		ug/L		100	68 - 122	1	18
Surrogate		MSD %Recovery	MSD Qualifier						Limits		
4-Bromofluorobenzene (Surr)		91							38 - 134		

Lab Sample ID: 570-279849-C-4 MS
Matrix: Water
Analysis Batch: 742887

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	397		ug/L		99	68 - 122
Surrogate		MS %Recovery	MS Qualifier						Limits
4-Bromofluorobenzene (Surr)		99							38 - 134

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

Lab Sample ID: MB 570-740598/1-A
Matrix: Water
Analysis Batch: 740697

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740598

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		05/18/26 14:35	05/18/26 17:37	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		05/18/26 14:35	05/18/26 17:37	1
C8-C18	<25		25	ug/L		05/18/26 14:35	05/18/26 17:37	1
Surrogate		MB %Recovery	MB Qualifier			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)		121				05/18/26 14:35	05/18/26 17:37	1

Lab Sample ID: LCS 570-740598/2-A
Matrix: Water
Analysis Batch: 740697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740598

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

Eurofins Pomona

QC Sample Results

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

Job ID: 380-214057-1
 SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 570-740598/2-A
Matrix: Water
Analysis Batch: 740697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740598

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>n-Octacosane (Surr)</i>	113		60 - 130

Lab Sample ID: LCSD 570-740598/3-A
Matrix: Water
Analysis Batch: 740697

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740598

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C10-C28	1600	1680		ug/L	-	105	56 - 127	6	23

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
<i>n-Octacosane (Surr)</i>	121		60 - 130

Lab Sample ID: MRL 570-740598/4-A
Matrix: Water
Analysis Batch: 740697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740598

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	Limits
C10-C28	0.0200	0.0282		mg/L	-	141	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
<i>n-Octacosane (Surr)</i>	119		60 - 130

QC Association Summary

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

Job ID: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

GC/MS Semi VOA

Prep Batch: 228014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-214057-1	HALAWA SHAFT VIEWING POOL	Total/NA	Drinking Water	525.2	
MB 380-228014/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-228014/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-228014/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-213978-O-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-214120-Q-2-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 228309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-214057-1	HALAWA SHAFT VIEWING POOL	Total/NA	Drinking Water	525.2	228014
MB 380-228014/21-A	Method Blank	Total/NA	Water	525.2	228014
LCS 380-228014/23-A	Lab Control Sample	Total/NA	Water	525.2	228014
MRL 380-228014/22-A	Lab Control Sample	Total/NA	Water	525.2	228014
380-213978-O-1-A MS	Matrix Spike	Total/NA	Water	525.2	228014
380-214120-Q-2-A DU	Duplicate	Total/NA	Water	525.2	228014

Prep Batch: 740088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-214057-1	HALAWA SHAFT VIEWING POOL	Total/NA	Drinking Water	625.1	
380-213690-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-213690-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 741368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-214057-1	HALAWA SHAFT VIEWING POOL	Total/NA	Drinking Water	625.1 SIM	740088
380-213690-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	740088
380-213690-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	740088

Analysis Batch: 744032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-214057-1	HALAWA SHAFT VIEWING POOL	Total/NA	Drinking Water	625.1	740088

GC VOA

Analysis Batch: 742887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-214057-1	HALAWA SHAFT VIEWING POOL	Total/NA	Drinking Water	8015B GRO LL	
380-214057-2	TB: HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B GRO LL	
MB 570-742887/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-742887/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-742887/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-742887/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
570-279849-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	
570-279849-C-4 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 740598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-214057-1	HALAWA SHAFT VIEWING POOL	Total/NA	Drinking Water	3510C	
MB 570-740598/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-740598/2-A	Lab Control Sample	Total/NA	Water	3510C	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-214057-1
 SDG: Weekly: Halawa Shaft Viewing Pool

GC Semi VOA (Continued)

Prep Batch: 740598 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-740598/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-740598/4-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 740697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-214057-1	HALAWA SHAFT VIEWING POOL	Total/NA	Drinking Water	8015B	740598
MB 570-740598/1-A	Method Blank	Total/NA	Water	8015B	740598
LCS 570-740598/2-A	Lab Control Sample	Total/NA	Water	8015B	740598
LCSD 570-740598/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	740598
MRL 570-740598/4-A	Lab Control Sample	Total/NA	Water	8015B	740598

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

Lab Chronicle

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

Job ID: 380-214057-1
 SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-214057-1

Date Collected: 05/12/26 09:30

Matrix: Drinking Water

Date Received: 05/14/26 10:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			228014	OTM3	EA POM	05/19/26 07:46
Total/NA	Analysis	525.2		1	228309	UPAC	EA POM	05/20/26 14:13
Total/NA	Prep	625.1			740088	KLZQ	EET CAL 4	05/17/26 08:58
Total/NA	Analysis	625.1		1	744032	PQS1	EET CAL 4	05/26/26 13:06
Total/NA	Prep	625.1			740088	KLZQ	EET CAL 4	05/17/26 08:58
Total/NA	Analysis	625.1 SIM		1	741368	NUUG	EET CAL 4	05/20/26 03:06
Total/NA	Analysis	8015B GRO LL		1	742887	A9VE	EET CAL 4	05/22/26 15:07
Total/NA	Prep	3510C			740598	TVD6	EET CAL 4	05/18/26 14:35
Total/NA	Analysis	8015B		1	740697	H6FE	EET CAL 4	05/18/26 19:03

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-214057-2

Date Collected: 05/12/26 09:30

Matrix: Water

Date Received: 05/14/26 10:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	742887	A9VE	EET CAL 4	05/22/26 13:58

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: 380-214057-1
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	Drinking Water	1-Methylnaphthalene
525.2	525.2	Drinking Water	2,4'-DDD
525.2	525.2	Drinking Water	2,4'-DDE
525.2	525.2	Drinking Water	2,4'-DDT
525.2	525.2	Drinking Water	2,4-Dinitrotoluene
525.2	525.2	Drinking Water	2,6-Dinitrotoluene
525.2	525.2	Drinking Water	2-Methylnaphthalene
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	4,4'-DDE
525.2	525.2	Drinking Water	4,4'-DDT
525.2	525.2	Drinking Water	Acetochlor
525.2	525.2	Drinking Water	alpha-BHC
525.2	525.2	Drinking Water	alpha-Chlordane
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Chlorobenzilate
525.2	525.2	Drinking Water	Chloroneb
525.2	525.2	Drinking Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Drinking Water	Chlorpyrifos
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbutylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking 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: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

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Method Summary

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

Job ID: 380-214057-1
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: 380-214057-1
SDG: Weekly: Halawa Shaft Viewing Pool

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-214057-1	HALAWA SHAFT VIEWING POOL	Drinking Water	05/12/26 09:30	05/14/26 10:16	Hawaii
380-214057-2	TB: HALAWA SHAFT VIEWING POOL	Water	05/12/26 09:30	05/14/26 10:16	Hawaii

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Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-214057-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 214057

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
CIO4 headspace requirement met (>50% for CA, >30% for other states).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-214057-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 214057

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 05/15/26 03:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4
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 <math><6\text{mm}</math> (1/4").	False	Headspace larger than 1/4".
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	