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ANALYTICAL REPORT

PREPARED FOR

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Honolulu, Hawaii 96843

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JOB DESCRIPTION

RED-HILL
Weekly: Halawa Shaft Viewing Pool

JOB NUMBER

380-220437-1

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: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

Qualifiers

GC/MS Semi VOA

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

GC/MS Semi VOA TICs

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

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.

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: 380-220437-1

Job ID: 380-220437-1

Eurofins Pomona

Job Narrative 380-220437-1

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 6/18/2026 9:43 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 2.2°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 570-757352.

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 570-757352.

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

Gasoline Range Organics

Method 8015B GRO LL: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-761708. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

Diesel Range Organics

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

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Detection Summary

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-220437-1

No Detections.

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-220437-2

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: 380-220437-1
 SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-220437-1

Date Collected: 06/16/26 09:30

Matrix: Water

Date Received: 06/18/26 09:43

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		06/22/26 14:16	06/23/26 17:39	1
2,4'-DDD	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
2,4'-DDE	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
2,4'-DDT	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
2-Methylnaphthalene	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
4,4'-DDD	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
4,4'-DDE	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
4,4'-DDT	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Acenaphthene	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Acenaphthylene	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Acetochlor	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Alachlor	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
alpha-BHC	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
alpha-Chlordane	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Anthracene	<0.020		0.020	ug/L		06/22/26 14:16	06/23/26 17:39	1
Atrazine	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Benz(a)anthracene	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Benzo[a]pyrene	<0.020		0.020	ug/L		06/22/26 14:16	06/23/26 17:39	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		06/22/26 14:16	06/23/26 17:39	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		06/22/26 14:16	06/23/26 17:39	1
beta-BHC	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		06/22/26 14:16	06/23/26 17:39	1
Bromacil	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Butachlor	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Butylbenzylphthalate	<0.49		0.49	ug/L		06/22/26 14:16	06/23/26 17:39	1
Chlorobenzilate	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Chloroneb	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Chlorpyrifos	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Chrysene	<0.020		0.020	ug/L		06/22/26 14:16	06/23/26 17:39	1
delta-BHC	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		06/22/26 14:16	06/23/26 17:39	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Dieldrin	<0.0098		0.0098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Diethylphthalate	<0.49		0.49	ug/L		06/22/26 14:16	06/23/26 17:39	1
Dimethylphthalate	<0.49		0.49	ug/L		06/22/26 14:16	06/23/26 17:39	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		06/22/26 14:16	06/23/26 17:39	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Endosulfan sulfate	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Endrin	<0.0098		0.0098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Endrin aldehyde	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
EPTC	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Fluoranthene	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1

Client Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-220437-1

Date Collected: 06/16/26 09:30

Matrix: Water

Date Received: 06/18/26 09:43

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		06/22/26 14:16	06/23/26 17:39	1
gamma-Chlordane	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Heptachlor	<0.0098		0.0098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Hexachlorobenzene	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Isophorone	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Lindane	<0.0098		0.0098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Malathion	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Methoxychlor	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Metolachlor	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Molinate	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Naphthalene	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Parathion	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Phenanthrene	<0.039		0.039	ug/L		06/22/26 14:16	06/23/26 17:39	1
Propachlor	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Pyrene	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Simazine	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Terbacil	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Terbutylazine	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Thiobencarb	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		06/22/26 14:16	06/23/26 17:39	1
trans-Nonachlor	<0.049		0.049	ug/L		06/22/26 14:16	06/23/26 17:39	1
Trifluralin	<0.098		0.098	ug/L		06/22/26 14:16	06/23/26 17:39	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	06/22/26 14:16	06/23/26 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	99		70 - 130	06/22/26 14:16	06/23/26 17:39	1
Perylene-d12	89		70 - 130	06/22/26 14:16	06/23/26 17:39	1
Triphenylphosphate	96		70 - 130	06/22/26 14:16	06/23/26 17:39	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		06/20/26 10:43	06/25/26 12:06	1
2-Methylnaphthalene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Acenaphthene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Acenaphthylene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Anthracene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Benzo[a]anthracene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Benzo[a]pyrene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Chrysene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Fluoranthene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1

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Client Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-220437-1

Date Collected: 06/16/26 09:30

Matrix: Water

Date Received: 06/18/26 09:43

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		06/20/26 10:43	06/25/26 12:06	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Naphthalene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Phenanthrene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1
Pyrene	<0.19		0.19	ug/L		06/20/26 10:43	06/25/26 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	92		28 - 127	06/20/26 10:43	06/25/26 12:06	1
2-Fluorobiphenyl (Surr)	67		31 - 120	06/20/26 10:43	06/25/26 12:06	1
2-Fluorophenol (Surr)	52		17 - 120	06/20/26 10:43	06/25/26 12:06	1
Nitrobenzene-d5 (Surr)	82		27 - 120	06/20/26 10:43	06/25/26 12:06	1
Phenol-d6 (Surr)	36		10 - 120	06/20/26 10:43	06/25/26 12:06	1
p-Terphenyl-d14 (Surr)	71		45 - 120	06/20/26 10:43	06/25/26 12:06	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	06/20/26 10:43	06/29/26 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	67		33 - 139	06/20/26 10:43	06/29/26 18:30	1
2-Fluorobiphenyl (Surr)	71		33 - 126	06/20/26 10:43	06/29/26 18:30	1
2-Fluorophenol (Surr)	51		12 - 120	06/20/26 10:43	06/29/26 18:30	1
Nitrobenzene-d5 (Surr)	86		36 - 120	06/20/26 10:43	06/29/26 18:30	1
Phenol-d6 (Surr)	33		10 - 120	06/20/26 10:43	06/29/26 18:30	1
p-Terphenyl-d14 (Surr)	72		47 - 131	06/20/26 10:43	06/29/26 18:30	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			06/29/26 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		38 - 134		06/29/26 15:21	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) Low Level - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		06/19/26 07:23	07/01/26 16:14	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		06/19/26 07:23	07/01/26 16:14	1
C8-C18	<26		26	ug/L		06/19/26 07:23	07/01/26 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	87		60 - 130	06/19/26 07:23	07/01/26 16:14	1

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-220437-2

Date Collected: 06/16/26 09:30

Matrix: Water

Date Received: 06/18/26 09:43

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			06/29/26 20:56	1

Client Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-220437-2

Date Collected: 06/16/26 09:30

Matrix: Water

Date Received: 06/18/26 09:43

<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)	103		38 - 134		06/29/26 20:56	1

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

Action Limit Summary

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-220437-1

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	<0.049		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		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: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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)
380-220437-1	HALAWA SHAFT VIEWING POOL	99	89	96
380-220437-1 MS	HALAWA SHAFT VIEWING POOL	98	92	94
380-220460-I-1-A DU	Duplicate	98	87	89
LCS 380-235470/23-A	Lab Control Sample	96	91	94
MB 380-235470/21-A	Method Blank	98	89	90
MRL 380-235470/22-A	Lab Control Sample	96	89	92

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

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)
380-220437-1	HALAWA SHAFT VIEWING POOL	67	71	51	86	33	72

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

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)
380-220437-1	HALAWA SHAFT VIEWING POOL	92	67	52	82	36	71
LCS 570-757352/2-A	Lab Control Sample	82	82	73	77	47	88
LCSD 570-757352/3-A	Lab Control Sample Dup	83	78	71	74	45	88
MB 570-757352/1-A	Method Blank	92	93	70	90	43	90

Surrogate Legend

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

Surrogate Summary

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

Job ID: 380-220437-1
 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)
380-220437-1	HALAWA SHAFT VIEWING POOL	99
380-220437-2	TB: HALAWA SHAFT VIEWING POOL	103
LCS 570-761708/3	Lab Control Sample	106
LCSD 570-761708/4	Lab Control Sample Dup	105
MB 570-761708/6	Method Blank	103
MRL 570 761708/5	Lab Control Sample	103
Surrogate Legend		
BFB = 4-Bromofluorobenzene (Surr)		

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-220225-I-1-A MS	Matrix Spike	111
380-220225-K-1-A MSD	Matrix Spike Duplicate	106
380-220437-1 - RA	HALAWA SHAFT VIEWING POOL	87
LCS 570-756769/2-A	Lab Control Sample	112
LCSD 570-756769/3-A	Lab Control Sample Dup	103
MB 570-756769/1-A	Method Blank	105
MRL 570-756769/4-A	Lab Control Sample	94
Surrogate Legend		
OTCSN = n-Octacosane (Surr)		

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 380-235470/21-A
Matrix: Water
Analysis Batch: 235688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 235470

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
2,4'-DDD	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
2,4'-DDE	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
2,4'-DDT	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
2-Methylnaphthalene	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
4,4'-DDD	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
4,4'-DDE	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
4,4'-DDT	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Acenaphthene	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Acenaphthylene	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Acetochlor	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Alachlor	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
alpha-BHC	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
alpha-Chlordane	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Anthracene	<0.020		0.020	ug/L		06/22/26 14:16	06/23/26 13:56	1
Atrazine	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Benz(a)anthracene	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Benzo[a]pyrene	<0.020		0.020	ug/L		06/22/26 14:16	06/23/26 13:56	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		06/22/26 14:16	06/23/26 13:56	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		06/22/26 14:16	06/23/26 13:56	1
beta-BHC	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60	ug/L		06/22/26 14:16	06/23/26 13:56	1
Bromacil	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Butachlor	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Butylbenzylphthalate	<0.50		0.50	ug/L		06/22/26 14:16	06/23/26 13:56	1
Chlorobenzilate	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Chloroneb	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Chlorpyrifos	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Chrysene	<0.020		0.020	ug/L		06/22/26 14:16	06/23/26 13:56	1
delta-BHC	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		06/22/26 14:16	06/23/26 13:56	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Dieldrin	<0.0099		0.0099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Diethylphthalate	<0.50		0.50	ug/L		06/22/26 14:16	06/23/26 13:56	1
Dimethylphthalate	<0.50		0.50	ug/L		06/22/26 14:16	06/23/26 13:56	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		06/22/26 14:16	06/23/26 13:56	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Endosulfan sulfate	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Endrin	<0.0099		0.0099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Endrin aldehyde	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
EPTC	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 380-235470/21-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 235688

Prep Batch: 235470

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Fluoranthene	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Fluorene	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
gamma-Chlordane	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Heptachlor	<0.0099		0.0099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Hexachlorobenzene	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Isophorone	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Lindane	<0.0099		0.0099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Malathion	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Methoxychlor	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Metolachlor	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Molinate	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Naphthalene	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Parathion	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Phenanthrene	<0.040		0.040	ug/L		06/22/26 14:16	06/23/26 13:56	1
Propachlor	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Pyrene	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Simazine	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Terbacil	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Terbutylazine	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Thiobencarb	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		06/22/26 14:16	06/23/26 13:56	1
trans-Nonachlor	<0.050		0.050	ug/L		06/22/26 14:16	06/23/26 13:56	1
Trifluralin	<0.099		0.099	ug/L		06/22/26 14:16	06/23/26 13:56	1

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Undecane	5.47	T J N	ug/L		3.14	1120-21-4	06/22/26 14:16	06/23/26 13:56	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Nitro-m-xylene	98		70 - 130	06/22/26 14:16	06/23/26 13:56	1
Perylene-d12	89		70 - 130	06/22/26 14:16	06/23/26 13:56	1
Triphenylphosphate	90		70 - 130	06/22/26 14:16	06/23/26 13:56	1

Lab Sample ID: LCS 380-235470/23-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 235688

Prep Batch: 235470

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1-Methylnaphthalene	1.99	2.08		ug/L		104	70 - 130
2,4'-DDD	1.99	2.00		ug/L		101	70 - 130
2,4'-DDE	1.99	2.08		ug/L		104	70 - 130
2,4'-DDT	1.99	1.99		ug/L		100	70 - 130
2,4-Dinitrotoluene	1.99	1.85		ug/L		93	70 - 130
2,6-Dinitrotoluene	1.99	1.86		ug/L		94	70 - 130
2-Methylnaphthalene	1.99	1.97		ug/L		99	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 380-235470/23-A

Matrix: Water

Analysis Batch: 235688

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235470

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
4,4'-DDD	1.99	1.95		ug/L		98	70 - 130
4,4'-DDE	1.99	1.94		ug/L		98	70 - 130
4,4'-DDT	1.99	1.94		ug/L		98	70 - 130
Acenaphthene	1.99	1.99		ug/L		100	70 - 130
Acenaphthylene	1.99	2.00		ug/L		100	70 - 130
Acetochlor	1.99	2.02		ug/L		102	70 - 130
Alachlor	1.99	2.05		ug/L		103	70 - 130
alpha-BHC	1.99	1.97		ug/L		99	70 - 130
alpha-Chlordane	1.99	2.08		ug/L		105	70 - 130
Anthracene	1.99	1.92		ug/L		97	70 - 130
Atrazine	1.99	2.13		ug/L		107	70 - 130
Benz(a)anthracene	1.99	1.94		ug/L		98	70 - 130
Benzo[a]pyrene	1.99	1.85		ug/L		93	70 - 130
Benzo[b]fluoranthene	1.99	1.86		ug/L		94	70 - 130
Benzo[g,h,i]perylene	1.99	1.81		ug/L		91	70 - 130
Benzo[k]fluoranthene	1.99	1.89		ug/L		95	70 - 130
beta-BHC	1.99	1.96		ug/L		99	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	1.82		ug/L		92	70 - 130
Bromacil	1.99	1.73		ug/L		87	70 - 130
Butachlor	1.99	1.97		ug/L		99	70 - 130
Butylbenzylphthalate	1.99	1.95		ug/L		98	70 - 130
Chlorobenzilate	1.99	1.85		ug/L		93	70 - 130
Chloroneb	1.99	2.03		ug/L		102	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	2.04		ug/L		103	70 - 130
Chlorpyrifos	1.99	2.06		ug/L		103	70 - 130
Chrysene	1.99	1.98		ug/L		100	70 - 130
delta-BHC	1.99	1.94		ug/L		97	70 - 130
Di(2-ethylhexyl)adipate	1.99	1.93		ug/L		97	70 - 130
Dibenz(a,h)anthracene	1.99	1.84		ug/L		93	70 - 130
Diclorvos (DDVP)	1.99	1.90		ug/L		96	70 - 130
Dieldrin	1.99	1.99		ug/L		100	70 - 130
Diethylphthalate	1.99	2.14		ug/L		107	70 - 130
Dimethylphthalate	1.99	2.08		ug/L		105	70 - 130
Di-n-butyl phthalate	3.97	4.30		ug/L		108	70 - 130
Di-n-octyl phthalate	1.99	1.72		ug/L		86	70 - 130
Endosulfan I (Alpha)	1.99	1.95		ug/L		98	70 - 130
Endosulfan II (Beta)	1.99	1.92		ug/L		97	70 - 130
Endosulfan sulfate	1.99	1.92		ug/L		97	70 - 130
Endrin	1.99	2.09		ug/L		105	70 - 130
Endrin aldehyde	1.99	1.83		ug/L		92	60 - 130
EPTC	1.99	2.06		ug/L		104	70 - 130
Fluoranthene	1.99	2.08		ug/L		105	70 - 130
Fluorene	1.99	2.08		ug/L		105	70 - 130
gamma-Chlordane	1.99	2.02		ug/L		102	70 - 130
Heptachlor	1.99	2.18		ug/L		110	70 - 130
Heptachlor epoxide (isomer B)	1.99	2.04		ug/L		103	70 - 130
Hexachlorobenzene	1.99	1.98		ug/L		100	70 - 130
Hexachlorocyclopentadiene	1.99	2.12		ug/L		107	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	1.81		ug/L		91	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 380-235470/23-A

Matrix: Water

Analysis Batch: 235688

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235470

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Isophorone	1.99	1.94		ug/L		98	70 - 130
Lindane	1.99	2.04		ug/L		103	70 - 130
Malathion	1.99	2.04		ug/L		103	70 - 130
Methoxychlor	1.99	1.96		ug/L		99	70 - 130
Metolachlor	1.99	1.97		ug/L		99	70 - 130
Molinate	1.99	2.09		ug/L		105	70 - 130
Naphthalene	1.99	2.05		ug/L		103	70 - 130
Parathion	1.99	1.91		ug/L		96	70 - 130
Pendimethalin (Penoxaline)	1.99	1.87		ug/L		94	70 - 130
Phenanthrene	1.99	2.01		ug/L		101	70 - 130
Propachlor	1.99	2.04		ug/L		102	70 - 130
Pyrene	1.99	2.10		ug/L		106	70 - 130
Simazine	1.99	2.10		ug/L		106	70 - 130
Terbacil	1.99	1.77		ug/L		89	70 - 130
Terbutylazine	1.99	2.10		ug/L		106	70 - 130
Thiobencarb	1.99	2.08		ug/L		105	70 - 130
trans-Nonachlor	1.99	2.08		ug/L		105	70 - 130
Trifluralin	1.99	1.74		ug/L		87	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	91		70 - 130
Triphenylphosphate	94		70 - 130

Lab Sample ID: MRL 380-235470/22-A

Matrix: Water

Analysis Batch: 235688

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235470

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0997	0.127		ug/L		127	50 - 150
2,4'-DDD	0.0997	0.103		ug/L		103	50 - 150
2,4'-DDE	0.0997	0.117		ug/L		117	50 - 150
2,4'-DDT	0.0997	0.129		ug/L		129	50 - 150
2,4-Dinitrotoluene	0.0997	0.126		ug/L		127	50 - 150
2,6-Dinitrotoluene	0.0997	0.121		ug/L		122	50 - 150
2-Methylnaphthalene	0.0997	0.126		ug/L		126	50 - 150
4,4'-DDD	0.0997	0.116		ug/L		116	50 - 150
4,4'-DDE	0.0997	0.113		ug/L		114	50 - 150
4,4'-DDT	0.0997	0.129		ug/L		129	50 - 150
Acenaphthene	0.0997	0.109		ug/L		109	50 - 150
Acenaphthylene	0.0997	0.0953	J	ug/L		96	50 - 150
Acetochlor	0.0997	0.111		ug/L		112	50 - 150
Alachlor	0.0499	0.0609		ug/L		122	50 - 150
alpha-BHC	0.0997	0.115		ug/L		116	50 - 150
alpha-Chlordane	0.0249	0.0294	J	ug/L		118	50 - 150
Anthracene	0.0199	0.0242		ug/L		121	50 - 150
Atrazine	0.0499	0.0591		ug/L		119	50 - 150
Benz(a)anthracene	0.0499	0.0582		ug/L		117	50 - 150

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 380-235470/22-A

Matrix: Water

Analysis Batch: 235688

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235470

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Benzo[a]pyrene	0.0199	0.0217		ug/L		109	50 - 150
Benzo[b]fluoranthene	0.0199	0.0252		ug/L		127	50 - 150
Benzo[g,h,i]perylene	0.0499	0.0502		ug/L		101	50 - 150
Benzo[k]fluoranthene	0.0199	0.0292		ug/L		147	50 - 150
beta-BHC	0.0997	0.120		ug/L		120	50 - 150
Bis(2-ethylhexyl) phthalate	0.598	0.636		ug/L		106	50 - 150
Bromacil	0.0997	0.126		ug/L		126	50 - 150
Butachlor	0.0499	0.0612		ug/L		123	50 - 150
Butylbenzylphthalate	0.499	0.591		ug/L		119	50 - 150
Chlorobenzilate	0.0997	0.109		ug/L		109	50 - 150
Chloroneb	0.0997	0.119		ug/L		119	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0997	0.112		ug/L		113	50 - 150
Chlorpyrifos	0.0499	0.0572		ug/L		115	50 - 150
Chrysene	0.0199	0.0279		ug/L		140	50 - 150
delta-BHC	0.0997	0.127		ug/L		127	50 - 150
Di(2-ethylhexyl)adipate	0.598	0.707		ug/L		118	50 - 150
Dibenz(a,h)anthracene	0.0499	0.0499	J	ug/L		100	50 - 150
Diclorvos (DDVP)	0.0499	0.0676		ug/L		136	50 - 150
Dieldrin	0.00997	0.0129		ug/L		129	50 - 150
Diethylphthalate	0.499	0.650		ug/L		130	50 - 150
Dimethylphthalate	0.499	0.628		ug/L		126	50 - 150
Di-n-butyl phthalate	0.499	0.677	J	ug/L		136	49 - 243
Di-n-octyl phthalate	0.0997	0.0982	J	ug/L		98	50 - 150
Endosulfan I (Alpha)	0.0997	0.0819	J	ug/L		82	50 - 150
Endosulfan II (Beta)	0.0997	0.111		ug/L		112	50 - 150
Endosulfan sulfate	0.0997	0.120		ug/L		120	50 - 150
Endrin	0.00997	0.0118		ug/L		118	50 - 150
Endrin aldehyde	0.0997	0.123		ug/L		123	50 - 150
EPTC	0.0997	0.115		ug/L		115	50 - 150
Fluoranthene	0.0997	0.113		ug/L		114	50 - 150
Fluorene	0.0499	0.0610		ug/L		122	50 - 150
gamma-Chlordane	0.0249	0.0255	J	ug/L		102	50 - 150
Heptachlor	0.00997	0.0145		ug/L		145	50 - 150
Heptachlor epoxide (isomer B)	0.00997	0.0125		ug/L		125	50 - 150
Hexachlorobenzene	0.0499	0.0587		ug/L		118	50 - 150
Hexachlorocyclopentadiene	0.0499	0.0694		ug/L		139	50 - 150
Indeno[1,2,3-cd]pyrene	0.0499	0.0475	J	ug/L		95	50 - 150
Isophorone	0.0997	0.107		ug/L		107	50 - 150
Lindane	0.00997	0.0129		ug/L		129	50 - 150
Malathion	0.0997	0.111		ug/L		112	50 - 150
Methoxychlor	0.0499	0.0575		ug/L		115	50 - 150
Metolachlor	0.0499	0.0612		ug/L		123	50 - 150
Molinate	0.0997	0.124		ug/L		124	50 - 150
Naphthalene	0.0997	0.118		ug/L		118	50 - 150
Parathion	0.0997	0.101		ug/L		101	50 - 150
Pendimethalin (Penoxaline)	0.0997	0.111		ug/L		111	50 - 150
Phenanthrene	0.0399	0.0488		ug/L		122	50 - 150
Propachlor	0.0499	0.0572		ug/L		115	50 - 150
Pyrene	0.0499	0.0575		ug/L		115	50 - 150

Eurofins Pomona

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 380-235470/22-A

Matrix: Water

Analysis Batch: 235688

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 235470

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Simazine	0.0499	0.0508		ug/L		102	50 - 150
Terbacil	0.0997	0.115		ug/L		116	50 - 150
Terbutylazine	0.0997	0.119		ug/L		119	50 - 150
Thiobencarb	0.0997	0.117		ug/L		117	50 - 150
trans-Nonachlor	0.0249	0.0286	J	ug/L		115	50 - 150
Trifluralin	0.0997	0.110		ug/L		110	50 - 150

Surrogate	MRL	MRL	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	89		70 - 130
Triphenylphosphate	92		70 - 130

Lab Sample ID: 380-220437-1 MS

Matrix: Water

Analysis Batch: 235688

Client Sample ID: HALAWA SHAFT VIEWING POOL

Prep Type: Total/NA

Prep Batch: 235470

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
1-Methylnaphthalene	<0.098		1.96	2.06		ug/L		105	70 - 130
2,4'-DDD	<0.098		1.96	1.98		ug/L		101	70 - 130
2,4'-DDE	<0.098		1.96	2.02		ug/L		103	70 - 130
2,4'-DDT	<0.098		1.96	1.95		ug/L		99	70 - 130
2,4-Dinitrotoluene	<0.098		1.96	1.92		ug/L		98	70 - 130
2,6-Dinitrotoluene	<0.098		1.96	1.91		ug/L		98	70 - 130
2-Methylnaphthalene	<0.098		1.96	1.98		ug/L		100	70 - 130
4,4'-DDD	<0.098		1.96	1.92		ug/L		98	70 - 130
4,4'-DDE	<0.098		1.96	1.88		ug/L		96	70 - 130
4,4'-DDT	<0.098		1.96	1.91		ug/L		98	70 - 130
Acenaphthene	<0.098		1.96	1.98		ug/L		101	70 - 130
Acenaphthylene	<0.098		1.96	1.95		ug/L		100	70 - 130
Acetochlor	<0.098		1.96	2.04		ug/L		104	70 - 130
Alachlor	<0.049		1.96	2.07		ug/L		106	70 - 130
alpha-BHC	<0.098		1.96	1.96		ug/L		100	70 - 130
alpha-Chlordane	<0.049		1.96	2.07		ug/L		106	70 - 130
Anthracene	<0.020		1.96	1.76		ug/L		90	70 - 130
Atrazine	<0.049		1.96	2.15		ug/L		110	70 - 130
Benz(a)anthracene	<0.049		1.96	1.92		ug/L		98	70 - 130
Benzo[a]pyrene	<0.020		1.96	1.83		ug/L		94	70 - 130
Benzo[b]fluoranthene	<0.020		1.96	1.83		ug/L		93	70 - 130
Benzo[g,h,i]perylene	<0.049		1.96	1.75		ug/L		89	70 - 130
Benzo[k]fluoranthene	<0.020		1.96	1.98		ug/L		101	70 - 130
beta-BHC	<0.098		1.96	1.96		ug/L		100	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.96	1.72		ug/L		88	70 - 130
Bromacil	<0.098		1.96	1.85		ug/L		95	70 - 130
Butachlor	<0.049		1.96	1.97		ug/L		101	70 - 130
Butylbenzylphthalate	<0.49		1.96	1.95		ug/L		100	70 - 130
Chlorobenzilate	<0.098		1.96	1.87		ug/L		96	70 - 130
Chloroneb	<0.098		1.96	2.02		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.96	2.07		ug/L		106	70 - 130

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-220437-1 MS

Client Sample ID: HALAWA SHAFT VIEWING POOL

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 235688

Prep Batch: 235470

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlorpyrifos	<0.049		1.96	2.03		ug/L		104	70 - 130
Chrysene	<0.020		1.96	2.04		ug/L		104	70 - 130
delta-BHC	<0.098		1.96	1.94		ug/L		99	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.96	1.83		ug/L		93	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	1.73		ug/L		88	70 - 130
Diclorvos (DDVP)	<0.049		1.96	1.99		ug/L		102	70 - 130
Dieldrin	<0.0098		1.96	1.94		ug/L		99	70 - 130
Diethylphthalate	<0.49		1.96	2.15		ug/L		110	70 - 130
Dimethylphthalate	<0.49		1.96	2.12		ug/L		108	70 - 130
Di-n-butyl phthalate	<0.98		3.92	4.24		ug/L		108	70 - 130
Di-n-octyl phthalate	<0.098		1.96	1.59		ug/L		81	70 - 130
Endosulfan I (Alpha)	<0.098		1.96	1.93		ug/L		99	70 - 130
Endosulfan II (Beta)	<0.098		1.96	1.87		ug/L		95	70 - 130
Endosulfan sulfate	<0.098		1.96	1.93		ug/L		98	70 - 130
Endrin	<0.0098		1.96	2.10		ug/L		107	70 - 130
Endrin aldehyde	<0.098		1.96	1.64		ug/L		84	60 - 130
EPTC	<0.098		1.96	2.05		ug/L		105	70 - 130
Fluoranthene	<0.098		1.96	2.09		ug/L		107	70 - 130
Fluorene	<0.049		1.96	2.10		ug/L		107	70 - 130
gamma-Chlordane	<0.049		1.96	2.02		ug/L		103	70 - 130
Heptachlor	<0.0098		1.96	2.19		ug/L		112	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.96	2.05		ug/L		105	70 - 130
Hexachlorobenzene	<0.049		1.96	1.96		ug/L		100	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	2.18		ug/L		111	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	1.74		ug/L		89	70 - 130
Isophorone	<0.098		1.96	1.96		ug/L		100	70 - 130
Lindane	<0.0098		1.96	2.06		ug/L		105	70 - 130
Malathion	<0.098		1.96	2.05		ug/L		105	70 - 130
Methoxychlor	<0.049		1.96	2.05		ug/L		105	70 - 130
Metolachlor	<0.049		1.96	1.96		ug/L		100	70 - 130
Molinate	<0.098		1.96	2.12		ug/L		108	70 - 130
Naphthalene	<0.098		1.96	2.04		ug/L		104	70 - 130
Parathion	<0.098		1.96	1.98		ug/L		101	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.96	1.91		ug/L		98	70 - 130
Phenanthrene	<0.039		1.96	2.01		ug/L		103	70 - 130
Propachlor	<0.049		1.96	2.07		ug/L		106	70 - 130
Pyrene	<0.049		1.96	2.10		ug/L		107	70 - 130
Simazine	<0.049		1.96	2.15		ug/L		110	70 - 130
Terbacil	<0.098		1.96	1.84		ug/L		94	70 - 130
Terbutylazine	<0.098		1.96	2.11		ug/L		108	70 - 130
Thiobencarb	<0.098		1.96	2.10		ug/L		107	70 - 130
trans-Nonachlor	<0.049		1.96	2.04		ug/L		104	70 - 130
Trifluralin	<0.098		1.96	1.77		ug/L		90	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	92		70 - 130
Triphenylphosphate	94		70 - 130

QC Sample Results

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

Job ID: 380-220437-1
 SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-220460-I-1-A DU
Matrix: Water
Analysis Batch: 235688

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 235470

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
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	0.072		0.0654		ug/L		10	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.98		<0.98		ug/L		NC	20
Di-n-octyl phthalate	<0.098		<0.098		ug/L		NC	20
Endosulfan I (Alpha)	<0.098		<0.098		ug/L		NC	20
Endosulfan II (Beta)	<0.098		<0.098		ug/L		NC	20
Endosulfan sulfate	<0.098		<0.098		ug/L		NC	20
Endrin	<0.0098		<0.0098		ug/L		NC	20
Endrin aldehyde	<0.098		<0.098		ug/L		NC	20
EPTC	<0.098		<0.098		ug/L		NC	20

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-220460-I-1-A DU

Matrix: Water

Analysis Batch: 235688

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 235470

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Fluoranthene	<0.098		<0.098		ug/L		NC	20
Fluorene	<0.049		<0.049		ug/L		NC	20
gamma-Chlordane	<0.049		<0.049		ug/L		NC	20
Heptachlor	<0.0098		<0.0098		ug/L		NC	20
Heptachlor epoxide (isomer B)	0.015		0.0119		ug/L		20	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
Terbutylazine	<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	DU	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	87		70 - 130
Triphenylphosphate	89		70 - 130

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

Lab Sample ID: MB 570-757352/1-A

Matrix: Water

Analysis Batch: 759081

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 757352

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
2-Methylnaphthalene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Acenaphthene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Acenaphthylene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Anthracene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Benzo[a]anthracene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Benzo[a]pyrene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1

Eurofins Pomona

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 570-757352/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 759081

Prep Batch: 757352

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzo[k]fluoranthene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Chrysene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Fluoranthene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Fluorene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Naphthalene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Phenanthrene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1
Pyrene	<0.20		0.20	ug/L		06/20/26 10:43	06/24/26 07:45	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	92		28 - 127	06/20/26 10:43	06/24/26 07:45	1
2-Fluorobiphenyl (Surr)	93		31 - 120	06/20/26 10:43	06/24/26 07:45	1
2-Fluorophenol (Surr)	70		17 - 120	06/20/26 10:43	06/24/26 07:45	1
Nitrobenzene-d5 (Surr)	90		27 - 120	06/20/26 10:43	06/24/26 07:45	1
Phenol-d6 (Surr)	43		10 - 120	06/20/26 10:43	06/24/26 07:45	1
p-Terphenyl-d14 (Surr)	90		45 - 120	06/20/26 10:43	06/24/26 07:45	1

Lab Sample ID: LCS 570-757352/2-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 759081

Prep Batch: 757352

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1-Methylnaphthalene	20.0	16.8		ug/L		84	47 - 120
2-Methylnaphthalene	20.0	15.8		ug/L		79	43 - 120
Acenaphthene	20.0	16.6		ug/L		83	60 - 132
Acenaphthylene	20.0	16.5		ug/L		83	54 - 126
Anthracene	20.0	16.2		ug/L		81	43 - 120
Benzo[a]anthracene	20.0	17.3		ug/L		86	42 - 133
Benzo[a]pyrene	20.0	18.2		ug/L		91	32 - 148
Benzo[b]fluoranthene	20.0	17.6		ug/L		88	42 - 140
Benzo[g,h,i]perylene	20.0	17.5		ug/L		87	1 - 195
Benzo[k]fluoranthene	20.0	16.8		ug/L		84	25 - 146
Chrysene	20.0	17.4		ug/L		87	44 - 140
Dibenz(a,h)anthracene	20.0	18.0		ug/L		90	1 - 200
Fluoranthene	20.0	17.1		ug/L		85	43 - 121
Fluorene	20.0	17.5		ug/L		87	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	17.7		ug/L		88	1 - 151
Naphthalene	20.0	16.6		ug/L		83	36 - 120
Phenanthrene	20.0	17.1		ug/L		86	65 - 120
Pyrene	20.0	17.3		ug/L		87	70 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	82		28 - 127
2-Fluorobiphenyl (Surr)	82		31 - 120
2-Fluorophenol (Surr)	73		17 - 120
Nitrobenzene-d5 (Surr)	77		27 - 120
Phenol-d6 (Surr)	47		10 - 120

Eurofins Pomona

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 570-757352/2-A
Matrix: Water
Analysis Batch: 759081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757352

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
p-Terphenyl-d14 (Surr)	88		45 - 120

Lab Sample ID: LCSD 570-757352/3-A
Matrix: Water
Analysis Batch: 759081

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 757352

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	
		Result	Qualifier				Limits	RPD	Limit	
1-Methylnaphthalene	20.0	16.5		ug/L		83	47 - 120	2	20	
2-Methylnaphthalene	20.0	15.1		ug/L		76	43 - 120	4	20	
Acenaphthene	20.0	16.3		ug/L		82	60 - 132	2	29	
Acenaphthylene	20.0	15.8		ug/L		79	54 - 126	5	45	
Anthracene	20.0	16.7		ug/L		83	43 - 120	3	40	
Benzo[a]anthracene	20.0	17.6		ug/L		88	42 - 133	2	32	
Benzo[a]pyrene	20.0	18.5		ug/L		92	32 - 148	2	43	
Benzo[b]fluoranthene	20.0	17.8		ug/L		89	42 - 140	1	43	
Benzo[g,h,i]perylene	20.0	17.7		ug/L		88	1 - 195	1	61	
Benzo[k]fluoranthene	20.0	17.8		ug/L		89	25 - 146	6	38	
Chrysene	20.0	17.6		ug/L		88	44 - 140	1	53	
Dibenz(a,h)anthracene	20.0	18.1		ug/L		91	1 - 200	1	75	
Fluoranthene	20.0	17.6		ug/L		88	43 - 121	3	40	
Fluorene	20.0	17.1		ug/L		85	70 - 120	2	23	
Indeno[1,2,3-cd]pyrene	20.0	17.8		ug/L		89	1 - 151	1	60	
Naphthalene	20.0	16.1		ug/L		81	36 - 120	3	39	
Phenanthrene	20.0	17.5		ug/L		88	65 - 120	2	24	
Pyrene	20.0	17.7		ug/L		89	70 - 120	2	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	83		28 - 127
2-Fluorobiphenyl (Surr)	78		31 - 120
2-Fluorophenol (Surr)	71		17 - 120
Nitrobenzene-d5 (Surr)	74		27 - 120
Phenol-d6 (Surr)	45		10 - 120
p-Terphenyl-d14 (Surr)	88		45 - 120

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

Lab Sample ID: MB 570-761708/6
Matrix: Water
Analysis Batch: 761708

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

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
GRO (C6-C10)	<10		10	ug/L			06/29/26 12:27	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	103		38 - 134		06/29/26 12:27	1

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 570-761708/3
Matrix: Water
Analysis Batch: 761708

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	398		ug/L		99	78 - 120
Surrogate		LCS %Recovery	LCS Qualifier				Limits
4-Bromofluorobenzene (Surr)		106					38 - 134

Lab Sample ID: LCSD 570-761708/4
Matrix: Water
Analysis Batch: 761708

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	389		ug/L		97	78 - 120	2	10
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		
4-Bromofluorobenzene (Surr)		105					38 - 134		

Lab Sample ID: MRL 570-761708/5
Matrix: Water
Analysis Batch: 761708

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	10.0	14.1		ug/L		141	50 - 150
Surrogate		MRL %Recovery	MRL Qualifier				Limits
4-Bromofluorobenzene (Surr)		103					38 - 134

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

Lab Sample ID: MB 570-756769/1-A
Matrix: Water
Analysis Batch: 756776

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 756769

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		06/19/26 07:23	06/19/26 16:03	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		06/19/26 07:23	06/19/26 16:03	1
C8-C18	<25		25	ug/L		06/19/26 07:23	06/19/26 16:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	105		60 - 130			06/19/26 07:23	06/19/26 16:03	1

Lab Sample ID: LCS 570-756769/2-A
Matrix: Water
Analysis Batch: 756776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 756769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1740		ug/L		108	56 - 127

Eurofins Pomona

QC Sample Results

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 570-756769/2-A
Matrix: Water
Analysis Batch: 756776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 756769

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>	112		60 - 130

Lab Sample ID: LCSD 570-756769/3-A
Matrix: Water
Analysis Batch: 756776

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 756769

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
C10-C28	1600	1580		ug/L		99	56 - 127	9	23	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>	103		60 - 130

Lab Sample ID: MRL 570-756769/4-A
Matrix: Water
Analysis Batch: 763223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 756769

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
C10-C28	0.0200	0.0240	J	mg/L		120	50 - 150			

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>	94		60 - 130

Lab Sample ID: 380-220225-I-1-A MS
Matrix: Water
Analysis Batch: 756776

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 756769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
C10-C28	<26		1650	1730		ug/L		105	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>	111		60 - 130

Lab Sample ID: 380-220225-K-1-A MSD
Matrix: Water
Analysis Batch: 756776

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 756769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
C10-C28	<26		1680	1690		ug/L		101	70 - 130	2	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>	106		60 - 130

QC Association Summary

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

Job ID: 380-220437-1
 SDG: Weekly: Halawa Shaft Viewing Pool

GC/MS Semi VOA

Prep Batch: 235470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-220437-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	525.2	
MB 380-235470/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-235470/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-235470/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-220437-1 MS	HALAWA SHAFT VIEWING POOL	Total/NA	Water	525.2	
380-220460-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 235688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-220437-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	525.2	235470
MB 380-235470/21-A	Method Blank	Total/NA	Water	525.2	235470
LCS 380-235470/23-A	Lab Control Sample	Total/NA	Water	525.2	235470
MRL 380-235470/22-A	Lab Control Sample	Total/NA	Water	525.2	235470
380-220437-1 MS	HALAWA SHAFT VIEWING POOL	Total/NA	Water	525.2	235470
380-220460-I-1-A DU	Duplicate	Total/NA	Water	525.2	235470

Prep Batch: 757352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-220437-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1	
MB 570-757352/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-757352/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-757352/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 759081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-757352/1-A	Method Blank	Total/NA	Water	625.1 SIM	757352
LCS 570-757352/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	757352
LCSD 570-757352/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	757352

Analysis Batch: 759750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-220437-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1 SIM	757352

Analysis Batch: 761897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-220437-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1	757352

GC VOA

Analysis Batch: 761708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-220437-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B GRO LL	
380-220437-2	TB: HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B GRO LL	
MB 570-761708/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-761708/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-761708/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-761708/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-220437-1
 SDG: Weekly: Halawa Shaft Viewing Pool

GC Semi VOA

Prep Batch: 756769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-220437-1 - RA	HALAWA SHAFT VIEWING POOL	Total/NA	Water	3510C	
MB 570-756769/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-756769/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-756769/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-756769/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-220225-I-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-220225-K-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 756776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-756769/1-A	Method Blank	Total/NA	Water	8015B	756769
LCS 570-756769/2-A	Lab Control Sample	Total/NA	Water	8015B	756769
LCSD 570-756769/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	756769
380-220225-I-1-A MS	Matrix Spike	Total/NA	Water	8015B	756769
380-220225-K-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	756769

Analysis Batch: 763223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-220437-1 - RA	HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B	756769
MRL 570-756769/4-A	Lab Control Sample	Total/NA	Water	8015B	756769



Lab Chronicle

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

Job ID: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-220437-1

Date Collected: 06/16/26 09:30

Matrix: Water

Date Received: 06/18/26 09:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			235470	IQ42	EA POM	06/22/26 14:16
Total/NA	Analysis	525.2		1	235688	Q8LA	EA POM	06/23/26 17:39
Total/NA	Prep	625.1			757352	TIZL	EET CAL 4	06/20/26 10:43
Total/NA	Analysis	625.1		1	761897	S4EA	EET CAL 4	06/29/26 18:30
Total/NA	Prep	625.1			757352	TIZL	EET CAL 4	06/20/26 10:43
Total/NA	Analysis	625.1 SIM		1	759750	PQS1	EET CAL 4	06/25/26 12:06
Total/NA	Analysis	8015B GRO LL		1	761708	YD9V	EET CAL 4	06/29/26 15:21
Total/NA	Prep	3510C	RA		756769	EP2G	EET CAL 4	06/19/26 07:23
Total/NA	Analysis	8015B	RA	1	763223	H6FE	EET CAL 4	07/01/26 16:14

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-220437-2

Date Collected: 06/16/26 09:30

Matrix: Water

Date Received: 06/18/26 09:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	761708	YD9V	EET CAL 4	06/29/26 20:56

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: 380-220437-1
 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	Terbutylazine
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: 380-220437-1
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	09-30-26
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: 380-220437-1
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: 380-220437-1
SDG: Weekly: Halawa Shaft Viewing Pool

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-220437-1	HALAWA SHAFT VIEWING POOL	Water	06/16/26 09:30	06/18/26 09:43	Hawaii
380-220437-2	TB: HALAWA SHAFT VIEWING POOL	Water	06/16/26 09:30	06/18/26 09:43	Hawaii

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Chain of Custody Record



380-220437 COC

Client Information		Sampler: Kai Edison		Lab PM: Lopez, Maria		Carrier Tracking No(s):		COC No:	
Client Contact: Kirk Iwamoto		Phone: +1 808 748 5840		E-Mail: Maria.Lopez@eteurofins.com		State of Origin:		Page: Page 1 of 1	
Company: City & County of Honolulu		PWSID:		Analysis Requested		Job #:		Preservation Codes: R - NaThioSO4 RA - NaThioHCl Q - Na2SO3 QA - Na2SO3/HCl Y - Trizma I - NH4 Acetate	
Address: 630 South Beretania Street Chemistry Lab		Due Date Requested:		Field Filtered Sample (Yes or No)		Total Number of Containers		Other:	
City: Honolulu		TAT Requested (days):		Perform MS/MSD (Yes or No)		Special Instructions/Note:			
State, Zip: HI, 96843		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		625, 1, 625, 1, SIM					
Phone: 808-748-5840 (Tel)		PO #: C20525101 exp 05312023		8015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C36/C8-C18					
Email: kiwamoto@hbws.org		WO #:		8015B_GRO_LL - (MOD) GRO					
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill		Project #: 38001111		625, 2, PREC - (MOD) 525plus Plus TICs					
Site: Hawaii		SSOW#:		R RA Q OA					
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (Water, Solid, Other)	
HALAWA SHAFT VIEWING POOL		16-Jun-2026		9:30		G		Water	
TB HALAWA SHAFT VIEWING POOL		16-Jun-2026		9:30		G		Water	
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B	
Deliverable Requested I, II, III, IV, Other (specify)		<input type="checkbox"/> Unknown		<input type="checkbox"/> Radiological					
Empty Kit Relinquished by		Date/Time: 6/17/26 12:00		Date/Time: 6/16/26 943		Date/Time:		Date/Time:	
Relinquished by: [Redacted]		Company: HBWS		Relinquished by: [Signature]		Company: [Signature]		Company: [Signature]	
Relinquished by:		Company:		Relinquished by:		Company:		Relinquished by:	
Custody Seals intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: (31A) 2 2.0-0-2.2 76-1-10-20		Method of Shipment: FedEx		Archive For: Months	



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-220437-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 220437

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	
CIO4 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: 380-220437-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 220437

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 06/18/26 06:20 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1
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	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	