

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly: Halawa Shaft Viewing Pool

JOB NUMBER

380-202867-1

Eurofins Pomona

Job Notes

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

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

Compliance Statement

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

Authorization



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Definitions/Glossary

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC 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: 380-202867-1

Job ID: 380-202867-1

Eurofins Pomona

Job Narrative 380-202867-1

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 3/12/2026 9:40 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 3.0°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 570-709113.

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 570-709113.

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

Gasoline Range Organics

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

Diesel Range Organics

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

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Detection Summary

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-202867-1

No Detections.

Client Sample ID: TB: Halawa Shaft Viewing Pool

Lab Sample ID: 380-202867-2

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: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-202867-1

Date Collected: 03/10/26 09:30

Matrix: Water

Date Received: 03/12/26 09:40

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		03/15/26 07:09	03/16/26 16:57	1
2,4'-DDD	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
2,4'-DDE	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
2,4'-DDT	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
2-Methylnaphthalene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
4,4'-DDD	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
4,4'-DDE	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
4,4'-DDT	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Acenaphthene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Acenaphthylene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Acetochlor	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Alachlor	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
alpha-BHC	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
alpha-Chlordane	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Anthracene	<0.019		0.019	ug/L		03/15/26 07:09	03/16/26 16:57	1
Atrazine	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Benz(a)anthracene	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Benzo[a]pyrene	<0.019		0.019	ug/L		03/15/26 07:09	03/16/26 16:57	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		03/15/26 07:09	03/16/26 16:57	1
Benzo[g,h,i]perylene	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		03/15/26 07:09	03/16/26 16:57	1
beta-BHC	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		03/15/26 07:09	03/16/26 16:57	1
Bromacil	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Butachlor	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Butylbenzylphthalate	<0.48		0.48	ug/L		03/15/26 07:09	03/16/26 16:57	1
Chlorobenzilate	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Chloroneb	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Chlorpyrifos	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Chrysene	<0.019		0.019	ug/L		03/15/26 07:09	03/16/26 16:57	1
delta-BHC	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		03/15/26 07:09	03/16/26 16:57	1
Dibenz(a,h)anthracene	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Diclorvos (DDVP)	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Dieldrin	<0.0097		0.0097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Diethylphthalate	<0.48		0.48	ug/L		03/15/26 07:09	03/16/26 16:57	1
Dimethylphthalate	<0.48		0.48	ug/L		03/15/26 07:09	03/16/26 16:57	1
Di-n-butyl phthalate	<0.97	*+	0.97	ug/L		03/15/26 07:09	03/16/26 16:57	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Endosulfan sulfate	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Endrin	<0.0097		0.0097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Endrin aldehyde	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
EPTC	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Fluoranthene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1

Client Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-202867-1

Date Collected: 03/10/26 09:30

Matrix: Water

Date Received: 03/12/26 09:40

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		03/15/26 07:09	03/16/26 16:57	1
gamma-Chlordane	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Heptachlor	<0.0097		0.0097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Hexachlorobenzene	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Hexachlorocyclopentadiene	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Isophorone	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Lindane	<0.0097		0.0097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Malathion	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Methoxychlor	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Metolachlor	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Molinate	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Naphthalene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Parathion	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Phenanthrene	<0.039		0.039	ug/L		03/15/26 07:09	03/16/26 16:57	1
Propachlor	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Pyrene	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Simazine	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Terbacil	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Terbutylazine	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Thiobencarb	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		03/15/26 07:09	03/16/26 16:57	1
trans-Nonachlor	<0.048		0.048	ug/L		03/15/26 07:09	03/16/26 16:57	1
Trifluralin	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 16:57	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	03/15/26 07:09	03/16/26 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	100		70 - 130	03/15/26 07:09	03/16/26 16:57	1
Perylene-d12	86		70 - 130	03/15/26 07:09	03/16/26 16:57	1
Triphenylphosphate	103		70 - 130	03/15/26 07:09	03/16/26 16:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
2-Methylnaphthalene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Acenaphthene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Acenaphthylene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Anthracene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Benzo[a]anthracene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Benzo[a]pyrene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Chrysene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Fluoranthene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1

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Client Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-202867-1

Date Collected: 03/10/26 09:30

Matrix: Water

Date Received: 03/12/26 09:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Naphthalene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Phenanthrene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1
Pyrene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 07:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	70		28 - 127	03/13/26 18:38	03/17/26 07:48	1
2-Fluorobiphenyl (Surr)	75		31 - 120	03/13/26 18:38	03/17/26 07:48	1
2-Fluorophenol (Surr)	51		17 - 120	03/13/26 18:38	03/17/26 07:48	1
Nitrobenzene-d5 (Surr)	62		27 - 120	03/13/26 18:38	03/17/26 07:48	1
Phenol-d6 (Surr)	31		10 - 120	03/13/26 18:38	03/17/26 07:48	1
p-Terphenyl-d14 (Surr)	81		45 - 120	03/13/26 18:38	03/17/26 07:48	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	03/13/26 18:38	03/27/26 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		33 - 139	03/13/26 18:38	03/27/26 15:34	1
2-Fluorobiphenyl (Surr)	81		33 - 126	03/13/26 18:38	03/27/26 15:34	1
2-Fluorophenol (Surr)	52		12 - 120	03/13/26 18:38	03/27/26 15:34	1
Nitrobenzene-d5 (Surr)	76		36 - 120	03/13/26 18:38	03/27/26 15:34	1
Phenol-d6 (Surr)	30		10 - 120	03/13/26 18:38	03/27/26 15:34	1
p-Terphenyl-d14 (Surr)	87		47 - 131	03/13/26 18:38	03/27/26 15:34	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			03/21/26 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		38 - 134		03/21/26 18:22	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		03/16/26 09:41	03/22/26 20:20	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		03/16/26 09:41	03/22/26 20:20	1
C8-C18	<26		26	ug/L		03/16/26 09:41	03/22/26 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	101		60 - 130	03/16/26 09:41	03/22/26 20:20	1

Client Sample ID: TB: Halawa Shaft Viewing Pool

Lab Sample ID: 380-202867-2

Date Collected: 03/10/26 09:30

Matrix: Water

Date Received: 03/12/26 09:40

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			03/21/26 13:32	1

Client Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: TB: Halawa Shaft Viewing Pool

Lab Sample ID: 380-202867-2

Date Collected: 03/10/26 09:30

Matrix: Water

Date Received: 03/12/26 09:40

<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)	87		38 - 134		03/21/26 13:32	1

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Action Limit Summary

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-202867-1

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		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	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-202867-1
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)
380-202867-1	Halawa Shaft Viewing Pool	100	86	103
380-202867-1 DU	Halawa Shaft Viewing Pool	100	94	103
380-202874-J-1-A MS	Matrix Spike	102	95	104
LCS 380-213250/23-A	Lab Control Sample	101	98	105
MB 380-213250/21-A	Method Blank	101	94	103
MRL 380-213250/22-A	Lab Control Sample	101	93	104

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)
380-202867-1	Halawa Shaft Viewing Pool	73	81	52	76	30	87
MB 570-709113/1-A	Method Blank	78	89	55	85	35	98

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)
380-202867-1	Halawa Shaft Viewing Pool	70	75	51	62	31	81
LCS 570-709113/2-A	Lab Control Sample	86	86	71	59	44	98
LCSD 570-709113/3-A	Lab Control Sample Dup	72	79	64	55	40	104
MB 570-709113/1-A	Method Blank	80	86	59	75	36	97

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: 380-202867-1
 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)
380-202454-G-1 MS	Matrix Spike	85
380-202454-H-1 MSD	Matrix Spike Duplicate	89
380-202867-1	Halawa Shaft Viewing Pool	90
380-202867-2	TB: Halawa Shaft Viewing Pool	87
LCS 570-712696/3	Lab Control Sample	83
LCSD 570-712696/4	Lab Control Sample Dup	90
MB 570-712696/5	Method Blank	90
MRL 570-712696/6	Lab Control Sample	83

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)
380-202867-1	Halawa Shaft Viewing Pool	101
LCS 570-709773/2-A	Lab Control Sample	97
LCSD 570-709773/3-A	Lab Control Sample Dup	95
MB 570-709773/1-A	Method Blank	100
MRL 570-709773/4-A	Lab Control Sample	98

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-202867-1
 SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 380-213250/21-A
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 213250

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
2,4'-DDD	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
2,4'-DDE	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
2,4'-DDT	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
2-Methylnaphthalene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
4,4'-DDD	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
4,4'-DDE	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
4,4'-DDT	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Acenaphthene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Acenaphthylene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Acetochlor	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Alachlor	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
alpha-BHC	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
alpha-Chlordane	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Anthracene	<0.019		0.019	ug/L		03/15/26 07:09	03/16/26 13:55	1
Atrazine	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Benz(a)anthracene	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Benzo[a]pyrene	<0.019		0.019	ug/L		03/15/26 07:09	03/16/26 13:55	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		03/15/26 07:09	03/16/26 13:55	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		03/15/26 07:09	03/16/26 13:55	1
beta-BHC	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		03/15/26 07:09	03/16/26 13:55	1
Bromacil	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Butachlor	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Butylbenzylphthalate	<0.49		0.49	ug/L		03/15/26 07:09	03/16/26 13:55	1
Chlorobenzilate	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Chloroneb	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Chlorpyrifos	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Chrysene	<0.019		0.019	ug/L		03/15/26 07:09	03/16/26 13:55	1
delta-BHC	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		03/15/26 07:09	03/16/26 13:55	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Dieldrin	<0.0097		0.0097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Diethylphthalate	<0.49		0.49	ug/L		03/15/26 07:09	03/16/26 13:55	1
Dimethylphthalate	<0.49		0.49	ug/L		03/15/26 07:09	03/16/26 13:55	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		03/15/26 07:09	03/16/26 13:55	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Endosulfan sulfate	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Endrin	<0.0097		0.0097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Endrin aldehyde	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
EPTC	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1

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QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 380-213250/21-A
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 213250

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Fluorene	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
gamma-Chlordane	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Heptachlor	<0.0097		0.0097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Hexachlorobenzene	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Isophorone	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Lindane	<0.0097		0.0097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Malathion	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Methoxychlor	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Metolachlor	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Molinate	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Naphthalene	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Parathion	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Phenanthrene	<0.039		0.039	ug/L		03/15/26 07:09	03/16/26 13:55	1
Propachlor	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Pyrene	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Simazine	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Terbacil	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Terbutylazine	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Thiobencarb	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		03/15/26 07:09	03/16/26 13:55	1
trans-Nonachlor	<0.049		0.049	ug/L		03/15/26 07:09	03/16/26 13:55	1
Trifluralin	<0.097		0.097	ug/L		03/15/26 07:09	03/16/26 13:55	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	03/15/26 07:09	03/16/26 13:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	101		70 - 130	03/15/26 07:09	03/16/26 13:55	1
Perylene-d12	94		70 - 130	03/15/26 07:09	03/16/26 13:55	1
Triphenylphosphate	103		70 - 130	03/15/26 07:09	03/16/26 13:55	1

Lab Sample ID: LCS 380-213250/23-A
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1-Methylnaphthalene	1.95	2.04		ug/L		105	70 - 130
2,4'-DDD	1.95	2.14		ug/L		110	70 - 130
2,4'-DDE	1.95	2.14		ug/L		110	70 - 130
2,4'-DDT	1.95	2.02		ug/L		104	70 - 130
2,4-Dinitrotoluene	1.95	2.04		ug/L		105	70 - 130
2,6-Dinitrotoluene	1.95	1.98		ug/L		102	70 - 130
2-Methylnaphthalene	1.95	2.05		ug/L		105	70 - 130

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QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 380-213250/23-A
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	1.95	2.02		ug/L		103	70 - 130
4,4'-DDE	1.95	2.18		ug/L		112	70 - 130
4,4'-DDT	1.95	2.05		ug/L		105	70 - 130
Acenaphthene	1.95	2.06		ug/L		106	70 - 130
Acenaphthylene	1.95	2.13		ug/L		109	70 - 130
Acetochlor	1.95	2.38		ug/L		122	70 - 130
Alachlor	1.95	2.30		ug/L		118	70 - 130
alpha-BHC	1.95	2.20		ug/L		113	70 - 130
alpha-Chlordane	1.95	2.19		ug/L		113	70 - 130
Anthracene	1.95	2.00		ug/L		102	70 - 130
Atrazine	1.95	2.25		ug/L		115	70 - 130
Benz(a)anthracene	1.95	2.11		ug/L		108	70 - 130
Benzo[a]pyrene	1.95	2.00		ug/L		102	70 - 130
Benzo[b]fluoranthene	1.95	2.06		ug/L		106	70 - 130
Benzo[g,h,i]perylene	1.95	1.97		ug/L		101	70 - 130
Benzo[k]fluoranthene	1.95	1.97		ug/L		101	70 - 130
beta-BHC	1.95	2.30		ug/L		118	70 - 130
Bis(2-ethylhexyl) phthalate	1.95	2.13		ug/L		109	70 - 130
Bromacil	1.95	1.76		ug/L		90	70 - 130
Butachlor	1.95	2.17		ug/L		112	70 - 130
Butylbenzylphthalate	1.95	2.23		ug/L		114	70 - 130
Chlorobenzilate	1.95	2.35		ug/L		121	70 - 130
Chloroneb	1.95	2.12		ug/L		109	70 - 130
Chlorothalonil (Draconil, Bravo)	1.95	2.23		ug/L		114	70 - 130
Chlorpyrifos	1.95	2.25		ug/L		115	70 - 130
Chrysene	1.95	2.06		ug/L		106	70 - 130
delta-BHC	1.95	2.22		ug/L		114	70 - 130
Di(2-ethylhexyl)adipate	1.95	2.31		ug/L		119	70 - 130
Dibenz(a,h)anthracene	1.95	2.03		ug/L		104	70 - 130
Diclorvos (DDVP)	1.95	2.30		ug/L		118	70 - 130
Dieldrin	1.95	2.10		ug/L		108	70 - 130
Diethylphthalate	1.95	2.30		ug/L		118	70 - 130
Dimethylphthalate	1.95	2.15		ug/L		110	70 - 130
Di-n-butyl phthalate	3.90	5.14	*+	ug/L		132	70 - 130
Di-n-octyl phthalate	1.95	2.20		ug/L		113	70 - 130
Endosulfan I (Alpha)	1.95	2.15		ug/L		110	70 - 130
Endosulfan II (Beta)	1.95	2.13		ug/L		109	70 - 130
Endosulfan sulfate	1.95	2.14		ug/L		110	70 - 130
Endrin	1.95	2.25		ug/L		116	70 - 130
Endrin aldehyde	1.95	2.14		ug/L		110	60 - 130
EPTC	1.95	2.24		ug/L		115	70 - 130
Fluoranthene	1.95	2.16		ug/L		111	70 - 130
Fluorene	1.95	2.13		ug/L		109	70 - 130
gamma-Chlordane	1.95	2.16		ug/L		111	70 - 130
Heptachlor	1.95	2.22		ug/L		114	70 - 130
Heptachlor epoxide (isomer B)	1.95	2.14		ug/L		110	70 - 130
Hexachlorobenzene	1.95	2.00		ug/L		102	70 - 130
Hexachlorocyclopentadiene	1.95	2.11		ug/L		109	70 - 130
Indeno[1,2,3-cd]pyrene	1.95	2.06		ug/L		106	70 - 130

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QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 380-213250/23-A
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Isophorone	1.95	2.20		ug/L		113	70 - 130
Lindane	1.95	2.14		ug/L		110	70 - 130
Malathion	1.95	2.05		ug/L		105	70 - 130
Methoxychlor	1.95	2.06		ug/L		105	70 - 130
Metolachlor	1.95	2.07		ug/L		106	70 - 130
Molinate	1.95	2.32		ug/L		119	70 - 130
Naphthalene	1.95	2.19		ug/L		112	70 - 130
Parathion	1.95	2.49		ug/L		128	70 - 130
Pendimethalin (Penoxaline)	1.95	2.16		ug/L		111	70 - 130
Phenanthrene	1.95	2.03		ug/L		104	70 - 130
Propachlor	1.95	2.45		ug/L		126	70 - 130
Pyrene	1.95	2.13		ug/L		109	70 - 130
Simazine	1.95	2.21		ug/L		114	70 - 130
Terbacil	1.95	2.22		ug/L		114	70 - 130
Terbutylazine	1.95	2.27		ug/L		117	70 - 130
Thiobencarb	1.95	2.45		ug/L		126	70 - 130
trans-Nonachlor	1.95	2.10		ug/L		108	70 - 130
Trifluralin	1.95	2.08		ug/L		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	101		70 - 130
Perylene-d12	98		70 - 130
Triphenylphosphate	105		70 - 130

Lab Sample ID: MRL 380-213250/22-A
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213250

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0970	0.127		ug/L		130	50 - 150
2,4'-DDD	0.0970	0.0912	J	ug/L		94	50 - 150
2,4'-DDE	0.0970	0.103		ug/L		106	50 - 150
2,4'-DDT	0.0970	0.110		ug/L		113	50 - 150
2,4-Dinitrotoluene	0.0970	0.111		ug/L		115	50 - 150
2,6-Dinitrotoluene	0.0970	0.123		ug/L		127	50 - 150
2-Methylnaphthalene	0.0970	0.117		ug/L		120	50 - 150
4,4'-DDD	0.0970	0.109		ug/L		113	50 - 150
4,4'-DDE	0.0970	0.0974		ug/L		100	50 - 150
4,4'-DDT	0.0970	0.111		ug/L		114	50 - 150
Acenaphthene	0.0970	0.108		ug/L		111	50 - 150
Acenaphthylene	0.0970	0.102		ug/L		105	50 - 150
Acetochlor	0.0970	0.124		ug/L		128	50 - 150
Alachlor	0.0485	0.0568		ug/L		117	50 - 150
alpha-BHC	0.0970	0.104		ug/L		108	50 - 150
alpha-Chlordane	0.0243	<0.028		ug/L		113	50 - 150
Anthracene	0.0194	0.0227		ug/L		117	50 - 150
Atrazine	0.0485	0.0509		ug/L		105	50 - 150
Benz(a)anthracene	0.0485	0.0551		ug/L		114	50 - 150

QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 380-213250/22-A
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213250

Analyte	Spike Added	MRL	MRL	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzo[a]pyrene	0.0194	0.0227		ug/L		117	50 - 150
Benzo[b]fluoranthene	0.0194	0.0220		ug/L		113	50 - 150
Benzo[g,h,i]perylene	0.0485	0.0478	J	ug/L		98	50 - 150
Benzo[k]fluoranthene	0.0194	0.0218		ug/L		112	50 - 150
beta-BHC	0.0970	0.125		ug/L		129	50 - 150
Bis(2-ethylhexyl) phthalate	0.582	0.608		ug/L		104	50 - 150
Bromacil	0.0970	0.0805	J	ug/L		83	50 - 150
Butachlor	0.0485	0.0621		ug/L		128	50 - 150
Butylbenzylphthalate	0.485	0.532		ug/L		110	50 - 150
Chlorobenzilate	0.0970	0.128		ug/L		132	50 - 150
Chloroneb	0.0970	0.109		ug/L		112	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0970	0.0955	J	ug/L		98	50 - 150
Chlorpyrifos	0.0485	0.0498		ug/L		103	50 - 150
Chrysene	0.0194	0.0210		ug/L		108	50 - 150
delta-BHC	0.0970	0.104		ug/L		108	50 - 150
Di(2-ethylhexyl)adipate	0.582	0.629		ug/L		108	50 - 150
Dibenz(a,h)anthracene	0.0485	0.0486	J	ug/L		100	50 - 150
Diclorvos (DDVP)	0.0485	0.0549		ug/L		113	50 - 150
Dieldrin	0.00970	0.00943	J	ug/L		97	50 - 150
Diethylphthalate	0.485	0.579		ug/L		119	50 - 150
Dimethylphthalate	0.485	0.509		ug/L		105	50 - 150
Di-n-butyl phthalate	0.485	0.766	J	ug/L		158	49 - 243
Di-n-octyl phthalate	0.0970	0.103		ug/L		106	50 - 150
Endosulfan I (Alpha)	0.0970	0.107		ug/L		111	50 - 150
Endosulfan II (Beta)	0.0970	0.105		ug/L		108	50 - 150
Endosulfan sulfate	0.0970	0.0961	J	ug/L		99	50 - 150
Endrin	0.00970	0.0116		ug/L		120	50 - 150
Endrin aldehyde	0.0970	0.104		ug/L		107	50 - 150
EPTC	0.0970	0.114		ug/L		117	50 - 150
Fluoranthene	0.0970	0.0962	J	ug/L		99	50 - 150
Fluorene	0.0485	0.0555		ug/L		114	50 - 150
gamma-Chlordane	0.0243	0.0263	J	ug/L		108	50 - 150
Heptachlor	0.00970	0.0110		ug/L		113	50 - 150
Heptachlor epoxide (isomer B)	0.00970	0.0126		ug/L		130	50 - 150
Hexachlorobenzene	0.0485	0.0518		ug/L		107	50 - 150
Hexachlorocyclopentadiene	0.0485	0.0474	J	ug/L		98	50 - 150
Indeno[1,2,3-cd]pyrene	0.0485	0.0477	J	ug/L		98	50 - 150
Isophorone	0.0970	0.131		ug/L		135	50 - 150
Lindane	0.00970	0.0133		ug/L		137	50 - 150
Malathion	0.0970	0.106		ug/L		110	50 - 150
Methoxychlor	0.0485	0.0547		ug/L		113	50 - 150
Metolachlor	0.0485	0.0664		ug/L		137	50 - 150
Molinate	0.0970	0.114		ug/L		118	50 - 150
Naphthalene	0.0970	0.119		ug/L		122	50 - 150
Parathion	0.0970	0.107		ug/L		110	50 - 150
Pendimethalin (Penoxaline)	0.0970	0.0995		ug/L		103	50 - 150
Phenanthrene	0.0388	0.0459		ug/L		118	50 - 150
Propachlor	0.0485	0.0615		ug/L		127	50 - 150
Pyrene	0.0485	0.0503		ug/L		104	50 - 150

Eurofins Pomona

QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 380-213250/22-A
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213250

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Simazine	0.0485	0.0518		ug/L		107	50 - 150
Terbacil	0.0970	0.0946	J	ug/L		97	50 - 150
Terbuthylazine	0.0970	0.101		ug/L		104	50 - 150
Thiobencarb	0.0970	0.115		ug/L		118	50 - 150
trans-Nonachlor	0.0243	<0.025		ug/L		100	50 - 150
Trifluralin	0.0970	0.101		ug/L		104	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	101		70 - 130
Perylene-d12	93		70 - 130
Triphenylphosphate	104		70 - 130

Lab Sample ID: 380-202874-J-1-A MS
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 213250

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.92	2.12		ug/L		109	70 - 130
2,4'-DDD	<0.097		1.92	2.21		ug/L		115	70 - 130
2,4'-DDE	<0.097		1.92	2.23		ug/L		116	70 - 130
2,4'-DDT	<0.097		1.92	2.00		ug/L		104	70 - 130
2,4-Dinitrotoluene	<0.097		1.92	2.07		ug/L		108	70 - 130
2,6-Dinitrotoluene	<0.097		1.92	2.01		ug/L		105	70 - 130
2-Methylnaphthalene	<0.097		1.92	2.13		ug/L		110	70 - 130
4,4'-DDD	<0.097		1.92	2.05		ug/L		107	70 - 130
4,4'-DDE	<0.097		1.92	2.20		ug/L		114	70 - 130
4,4'-DDT	<0.097		1.92	2.08		ug/L		108	70 - 130
Acenaphthene	<0.097		1.92	2.13		ug/L		111	70 - 130
Acenaphthylene	<0.097		1.92	2.20		ug/L		114	70 - 130
Acetochlor	<0.097		1.92	2.44		ug/L		127	70 - 130
Alachlor	<0.049		1.92	2.33		ug/L		121	70 - 130
alpha-BHC	<0.097		1.92	2.25		ug/L		117	70 - 130
alpha-Chlordane	<0.049		1.92	2.27		ug/L		118	70 - 130
Anthracene	<0.019	F1	1.92	1.24	F1	ug/L		64	70 - 130
Atrazine	<0.049		1.92	2.33		ug/L		121	70 - 130
Benz(a)anthracene	<0.049		1.92	2.09		ug/L		109	70 - 130
Benzo[a]pyrene	<0.019		1.92	1.96		ug/L		102	70 - 130
Benzo[b]fluoranthene	<0.019		1.92	2.22		ug/L		116	70 - 130
Benzo[g,h,i]perylene	<0.049		1.92	2.10		ug/L		109	70 - 130
Benzo[k]fluoranthene	<0.019		1.92	2.06		ug/L		107	70 - 130
beta-BHC	<0.097		1.92	2.35		ug/L		123	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.92	2.19		ug/L		114	70 - 130
Bromacil	<0.097		1.92	1.81		ug/L		94	70 - 130
Butachlor	<0.049		1.92	2.24		ug/L		116	70 - 130
Butylbenzylphthalate	<0.49		1.92	2.28		ug/L		119	70 - 130
Chlorobenzilate	<0.097		1.92	2.43		ug/L		126	70 - 130
Chloroneb	<0.097		1.92	2.17		ug/L		113	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.92	2.28		ug/L		119	70 - 130

QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-202874-J-1-A MS
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 213250

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlorpyrifos	<0.049		1.92	2.26		ug/L		117	70 - 130
Chrysene	<0.019		1.92	2.18		ug/L		114	70 - 130
delta-BHC	<0.097		1.92	2.24		ug/L		116	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.92	2.28		ug/L		119	70 - 130
Dibenz(a,h)anthracene	<0.049		1.92	2.12		ug/L		111	70 - 130
Diclorvos (DDVP)	<0.049		1.92	2.33		ug/L		121	70 - 130
Dieldrin	<0.0097		1.92	2.17		ug/L		113	70 - 130
Diethylphthalate	<0.49		1.92	2.39		ug/L		124	70 - 130
Dimethylphthalate	<0.49		1.92	2.21		ug/L		115	70 - 130
Di-n-butyl phthalate	<0.97	F1 **	3.84	5.21	F1	ug/L		135	70 - 130
Di-n-octyl phthalate	<0.097		1.92	2.19		ug/L		114	70 - 130
Endosulfan I (Alpha)	<0.097		1.92	2.20		ug/L		114	70 - 130
Endosulfan II (Beta)	<0.097		1.92	2.22		ug/L		116	70 - 130
Endosulfan sulfate	<0.097		1.92	2.23		ug/L		116	70 - 130
Endrin	<0.0097		1.92	2.30		ug/L		120	70 - 130
Endrin aldehyde	<0.097		1.92	1.95		ug/L		101	60 - 130
EPTC	<0.097		1.92	2.33		ug/L		121	70 - 130
Fluoranthene	<0.097		1.92	2.22		ug/L		116	70 - 130
Fluorene	<0.049		1.92	2.22		ug/L		116	70 - 130
gamma-Chlordane	<0.049		1.92	2.22		ug/L		116	70 - 130
Heptachlor	<0.0097		1.92	2.27		ug/L		118	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.92	2.22		ug/L		116	70 - 130
Hexachlorobenzene	<0.049		1.92	2.09		ug/L		109	70 - 130
Hexachlorocyclopentadiene	<0.049		1.92	1.99		ug/L		104	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.92	2.18		ug/L		114	70 - 130
Isophorone	<0.097		1.92	2.27		ug/L		118	70 - 130
Lindane	<0.0097		1.92	2.24		ug/L		117	70 - 130
Malathion	<0.097		1.92	2.09		ug/L		109	70 - 130
Methoxychlor	<0.049		1.92	2.21		ug/L		115	70 - 130
Metolachlor	<0.049		1.92	2.14		ug/L		111	70 - 130
Molinate	<0.097		1.92	2.38		ug/L		124	70 - 130
Naphthalene	<0.097		1.92	2.30		ug/L		120	70 - 130
Parathion	<0.097	F1	1.92	2.55	F1	ug/L		133	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.92	2.21		ug/L		115	70 - 130
Phenanthrene	<0.039		1.92	2.06		ug/L		107	70 - 130
Propachlor	<0.049	F1	1.92	2.54	F1	ug/L		132	70 - 130
Pyrene	<0.049		1.92	2.20		ug/L		115	70 - 130
Simazine	<0.049		1.92	2.31		ug/L		120	70 - 130
Terbacil	<0.097		1.92	2.27		ug/L		118	70 - 130
Terbutylazine	<0.097		1.92	2.40		ug/L		125	70 - 130
Thiobencarb	<0.097		1.92	2.49		ug/L		130	70 - 130
trans-Nonachlor	<0.049		1.92	2.18		ug/L		114	70 - 130
Trifluralin	<0.097		1.92	2.20		ug/L		114	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	102		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	104		70 - 130

QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-202867-1 DU
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Halawa Shaft Viewing Pool
Prep Type: Total/NA
Prep Batch: 213250

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
1-Methylnaphthalene	<0.097		<0.10		ug/L		NC	20
2,4'-DDD	<0.097		<0.10		ug/L		NC	20
2,4'-DDE	<0.097		<0.10		ug/L		NC	20
2,4'-DDT	<0.097		<0.10		ug/L		NC	20
2,4-Dinitrotoluene	<0.097		<0.10		ug/L		NC	20
2,6-Dinitrotoluene	<0.097		<0.10		ug/L		NC	20
2-Methylnaphthalene	<0.097		<0.10		ug/L		NC	20
4,4'-DDD	<0.097		<0.10		ug/L		NC	20
4,4'-DDE	<0.097		<0.10		ug/L		NC	20
4,4'-DDT	<0.097		<0.10		ug/L		NC	20
Acenaphthene	<0.097		<0.10		ug/L		NC	20
Acenaphthylene	<0.097		<0.10		ug/L		NC	20
Acetochlor	<0.097		<0.10		ug/L		NC	20
Alachlor	<0.048		<0.050		ug/L		NC	20
alpha-BHC	<0.097		<0.10		ug/L		NC	20
alpha-Chlordane	<0.048		<0.050		ug/L		NC	20
Anthracene	<0.019		<0.020		ug/L		NC	20
Atrazine	<0.048		<0.050		ug/L		NC	20
Benz(a)anthracene	<0.048		<0.050		ug/L		NC	20
Benzo[a]pyrene	<0.019		<0.020		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.020		ug/L		NC	20
Benzo[g,h,i]perylene	<0.048		<0.050		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.020		ug/L		NC	20
beta-BHC	<0.097		<0.10		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.60		ug/L		NC	20
Bromacil	<0.097		<0.10		ug/L		NC	20
Butachlor	<0.048		<0.050		ug/L		NC	20
Butylbenzylphthalate	<0.48		<0.50		ug/L		NC	20
Chlorobenzilate	<0.097		<0.10		ug/L		NC	20
Chloroneb	<0.097		<0.10		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.097		<0.10		ug/L		NC	20
Chlorpyrifos	<0.048		<0.050		ug/L		NC	20
Chrysene	<0.019		<0.020		ug/L		NC	20
delta-BHC	<0.097		<0.10		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.60		ug/L		NC	20
Dibenz(a,h)anthracene	<0.048		<0.050		ug/L		NC	20
Diclorvos (DDVP)	<0.048		<0.050		ug/L		NC	20
Dieldrin	<0.0097		<0.010		ug/L		NC	20
Diethylphthalate	<0.48		<0.50		ug/L		NC	20
Dimethylphthalate	<0.48		<0.50		ug/L		NC	20
Di-n-butyl phthalate	<0.97	*+	<1.0	*+	ug/L		NC	20
Di-n-octyl phthalate	<0.097		<0.10		ug/L		NC	20
Endosulfan I (Alpha)	<0.097		<0.10		ug/L		NC	20
Endosulfan II (Beta)	<0.097		<0.10		ug/L		NC	20
Endosulfan sulfate	<0.097		<0.10		ug/L		NC	20
Endrin	<0.0097		<0.010		ug/L		NC	20
Endrin aldehyde	<0.097		<0.10		ug/L		NC	20
EPTC	<0.097		<0.10		ug/L		NC	20

QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-202867-1 DU
Matrix: Water
Analysis Batch: 213476

Client Sample ID: Halawa Shaft Viewing Pool
Prep Type: Total/NA
Prep Batch: 213250

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Fluoranthene	<0.097		<0.10		ug/L		NC	20
Fluorene	<0.048		<0.050		ug/L		NC	20
gamma-Chlordane	<0.048		<0.050		ug/L		NC	20
Heptachlor	<0.0097		<0.010		ug/L		NC	20
Heptachlor epoxide (isomer B)	<0.0097		<0.010		ug/L		NC	20
Hexachlorobenzene	<0.048		<0.050		ug/L		NC	20
Hexachlorocyclopentadiene	<0.048		<0.050		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.048		<0.050		ug/L		NC	20
Isophorone	<0.097		<0.10		ug/L		NC	20
Lindane	<0.0097		<0.010		ug/L		NC	20
Malathion	<0.097		<0.10		ug/L		NC	20
Methoxychlor	<0.048		<0.050		ug/L		NC	20
Metolachlor	<0.048		<0.050		ug/L		NC	20
Molinate	<0.097		<0.10		ug/L		NC	20
Naphthalene	<0.097		<0.10		ug/L		NC	20
Parathion	<0.097		<0.10		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.097		<0.10		ug/L		NC	20
Phenanthrene	<0.039		<0.040		ug/L		NC	20
Propachlor	<0.048		<0.050		ug/L		NC	20
Pyrene	<0.048		<0.050		ug/L		NC	20
Simazine	<0.048		<0.050		ug/L		NC	20
Terbacil	<0.097		<0.10		ug/L		NC	20
Terbutylazine	<0.097		<0.10		ug/L		NC	20
Thiobencarb	<0.097		<0.10		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.19		<0.20		ug/L		NC	20
trans-Nonachlor	<0.048		<0.050		ug/L		NC	20
Trifluralin	<0.097		<0.10		ug/L		NC	20

Surrogate	DU %Recovery	DU Qualifier	Limits
2-Nitro-m-xylene	100		70 - 130
Perylene-d12	94		70 - 130
Triphenylphosphate	103		70 - 130

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

Lab Sample ID: MB 570-709113/1-A
Matrix: Water
Analysis Batch: 715664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709113

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	03/13/26 18:38	03/27/26 15:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		33 - 139	03/13/26 18:38	03/27/26 15:10	1
2-Fluorobiphenyl (Surr)	89		33 - 126	03/13/26 18:38	03/27/26 15:10	1
2-Fluorophenol (Surr)	55		12 - 120	03/13/26 18:38	03/27/26 15:10	1
Nitrobenzene-d5 (Surr)	85		36 - 120	03/13/26 18:38	03/27/26 15:10	1
Phenol-d6 (Surr)	35		10 - 120	03/13/26 18:38	03/27/26 15:10	1

Eurofins Pomona

QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 570-709113/1-A
Matrix: Water
Analysis Batch: 715664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709113

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
<i>p</i> -Terphenyl-d14 (Surr)	98	MB MB	47 - 131	03/13/26 18:38	03/27/26 15:10	1

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

Lab Sample ID: MB 570-709113/1-A
Matrix: Water
Analysis Batch: 710214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709113

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1-Methylnaphthalene	<0.20	MB MB	0.20	ug/L	D	03/13/26 18:38	03/17/26 06:20	1
2-Methylnaphthalene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Acenaphthene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Acenaphthylene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Anthracene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Benzo[a]anthracene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Benzo[a]pyrene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Chrysene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Fluoranthene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Fluorene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Naphthalene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Phenanthrene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1
Pyrene	<0.20		0.20	ug/L		03/13/26 18:38	03/17/26 06:20	1

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
<i>2,4,6</i> -Tribromophenol (Surr)	80	MB MB	28 - 127	03/13/26 18:38	03/17/26 06:20	1
<i>2</i> -Fluorobiphenyl (Surr)	86		31 - 120	03/13/26 18:38	03/17/26 06:20	1
<i>2</i> -Fluorophenol (Surr)	59		17 - 120	03/13/26 18:38	03/17/26 06:20	1
Nitrobenzene-d5 (Surr)	75		27 - 120	03/13/26 18:38	03/17/26 06:20	1
<i>Phenol</i> -d6 (Surr)	36		10 - 120	03/13/26 18:38	03/17/26 06:20	1
<i>p</i> -Terphenyl-d14 (Surr)	97		45 - 120	03/13/26 18:38	03/17/26 06:20	1

Lab Sample ID: LCS 570-709113/2-A
Matrix: Water
Analysis Batch: 710214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709113

<u>Analyte</u>	<u>Spike Added</u>	<u>LCS Result</u>	<u>LCS Qualifier</u>	<u>Unit</u>	<u>D</u>	<u>%Rec</u>	<u>%Rec Limits</u>
1-Methylnaphthalene	20.0	15.1		ug/L		75	47 - 120
2-Methylnaphthalene	20.0	15.2		ug/L		76	43 - 120
Acenaphthene	20.0	18.5		ug/L		92	60 - 132
Acenaphthylene	20.0	19.0		ug/L		95	54 - 126
Anthracene	20.0	18.3		ug/L		91	43 - 120
Benzo[a]anthracene	20.0	20.1		ug/L		100	42 - 133
Benzo[a]pyrene	20.0	22.4		ug/L		112	32 - 148

Eurofins Pomona

QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 570-709113/2-A
Matrix: Water
Analysis Batch: 710214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709113

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	20.0	19.8		ug/L		99	42 - 140
Benzo[g,h,i]perylene	20.0	19.6		ug/L		98	1 - 195
Benzo[k]fluoranthene	20.0	19.5		ug/L		97	25 - 146
Chrysene	20.0	19.6		ug/L		98	44 - 140
Dibenz(a,h)anthracene	20.0	22.7		ug/L		113	1 - 200
Fluoranthene	20.0	18.9		ug/L		95	43 - 121
Fluorene	20.0	18.8		ug/L		94	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	21.5		ug/L		107	1 - 151
Naphthalene	20.0	15.0		ug/L		75	36 - 120
Phenanthrene	20.0	18.9		ug/L		95	65 - 120
Pyrene	20.0	19.9		ug/L		99	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
2,4,6-Tribromophenol (Surr)	86		28 - 127
2-Fluorobiphenyl (Surr)	86		31 - 120
2-Fluorophenol (Surr)	71		17 - 120
Nitrobenzene-d5 (Surr)	59		27 - 120
Phenol-d6 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	98		45 - 120

Lab Sample ID: LCSD 570-709113/3-A
Matrix: Water
Analysis Batch: 710214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 709113

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	12.9		ug/L		64	47 - 120	16	20
2-Methylnaphthalene	20.0	12.7		ug/L		63	43 - 120	18	20
Acenaphthene	20.0	14.9		ug/L		75	60 - 132	21	29
Acenaphthylene	20.0	15.7		ug/L		78	54 - 126	19	45
Anthracene	20.0	15.1		ug/L		76	43 - 120	19	40
Benzo[a]anthracene	20.0	17.0		ug/L		85	42 - 133	17	32
Benzo[a]pyrene	20.0	19.5		ug/L		98	32 - 148	14	43
Benzo[b]fluoranthene	20.0	17.5		ug/L		87	42 - 140	12	43
Benzo[g,h,i]perylene	20.0	17.0		ug/L		85	1 - 195	14	61
Benzo[k]fluoranthene	20.0	16.9		ug/L		84	25 - 146	14	38
Chrysene	20.0	16.6		ug/L		83	44 - 140	16	53
Dibenz(a,h)anthracene	20.0	19.0		ug/L		95	1 - 200	18	75
Fluoranthene	20.0	15.8		ug/L		79	43 - 121	18	40
Fluorene	20.0	15.3		ug/L		76	70 - 120	21	23
Indeno[1,2,3-cd]pyrene	20.0	18.2		ug/L		91	1 - 151	16	60
Naphthalene	20.0	12.6		ug/L		63	36 - 120	17	39
Phenanthrene	20.0	15.3		ug/L		76	65 - 120	21	24
Pyrene	20.0	16.4		ug/L		82	70 - 120	19	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2,4,6-Tribromophenol (Surr)	72		28 - 127
2-Fluorobiphenyl (Surr)	79		31 - 120
2-Fluorophenol (Surr)	64		17 - 120

Eurofins Pomona

QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCSD 570-709113/3-A
Matrix: Water
Analysis Batch: 710214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 709113

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	55		27 - 120
Phenol-d6 (Surr)	40		10 - 120
p-Terphenyl-d14 (Surr)	104		45 - 120

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

Lab Sample ID: MB 570-712696/5
Matrix: Water
Analysis Batch: 712696

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			03/21/26 12:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		38 - 134		03/21/26 12:46	1

Lab Sample ID: LCS 570-712696/3
Matrix: Water
Analysis Batch: 712696

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	388		ug/L		97	78 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		38 - 134

Lab Sample ID: LCSD 570-712696/4
Matrix: Water
Analysis Batch: 712696

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	367		ug/L		92	78 - 120	6	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		38 - 134

Lab Sample ID: MRL 570-712696/6
Matrix: Water
Analysis Batch: 712696

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	<7.9		ug/L		61	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		38 - 134

QC Sample Results

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-202454-G-1 MS
Matrix: Water
Analysis Batch: 712696

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	353		ug/L		88	68 - 122
Surrogate									
	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	85		38 - 134						

Lab Sample ID: 380-202454-H-1 MSD
Matrix: Water
Analysis Batch: 712696

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	355		ug/L		89	68 - 122	1	18
Surrogate											
	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	89		38 - 134								

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

Lab Sample ID: MB 570-709773/1-A
Matrix: Water
Analysis Batch: 712918

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709773

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		03/16/26 09:41	03/22/26 18:54	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		03/16/26 09:41	03/22/26 18:54	1
C8-C18	<25		25	ug/L		03/16/26 09:41	03/22/26 18:54	1
Surrogate								
	%Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac		
n-Octacosane (Surr)	100		60 - 130	03/16/26 09:41	03/22/26 18:54	1		

Lab Sample ID: LCS 570-709773/2-A
Matrix: Water
Analysis Batch: 712918

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1490		ug/L		93	56 - 127
Surrogate							
	%Recovery	LCS Qualifier	LCS Limits				
n-Octacosane (Surr)	97		60 - 130				

Lab Sample ID: LCSD 570-709773/3-A
Matrix: Water
Analysis Batch: 712918

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 709773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1480		ug/L		92	56 - 127	1	23

QC Sample Results

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

Job ID: 380-202867-1
 SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCSD 570-709773/3-A
Matrix: Water
Analysis Batch: 712918

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 709773

<i>Surrogate</i>	<i>LCSD %Recovery</i>	<i>LCSD Qualifier</i>	<i>Limits</i>
<i>n-Octacosane (Surr)</i>	95		60 - 130

Lab Sample ID: MRL 570-709773/4-A
Matrix: Water
Analysis Batch: 712918

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709773

<i>Analyte</i>	<i>Spike Added</i>	<i>MRL Result</i>	<i>MRL Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
C10-C28	0.0200	0.0226	J	mg/L		113	50 - 150

<i>Surrogate</i>	<i>MRL %Recovery</i>	<i>MRL Qualifier</i>	<i>Limits</i>
<i>n-Octacosane (Surr)</i>	98		60 - 130

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QC Association Summary

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

GC/MS Semi VOA

Prep Batch: 213250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-202867-1	Halawa Shaft Viewing Pool	Total/NA	Water	525.2	
MB 380-213250/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-213250/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-213250/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-202874-J-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-202867-1 DU	Halawa Shaft Viewing Pool	Total/NA	Water	525.2	

Analysis Batch: 213476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-202867-1	Halawa Shaft Viewing Pool	Total/NA	Water	525.2	213250
MB 380-213250/21-A	Method Blank	Total/NA	Water	525.2	213250
LCS 380-213250/23-A	Lab Control Sample	Total/NA	Water	525.2	213250
MRL 380-213250/22-A	Lab Control Sample	Total/NA	Water	525.2	213250
380-202874-J-1-A MS	Matrix Spike	Total/NA	Water	525.2	213250
380-202867-1 DU	Halawa Shaft Viewing Pool	Total/NA	Water	525.2	213250

Prep Batch: 709113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-202867-1	Halawa Shaft Viewing Pool	Total/NA	Water	625.1	
MB 570-709113/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-709113/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-709113/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 710214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-202867-1	Halawa Shaft Viewing Pool	Total/NA	Water	625.1 SIM	709113
MB 570-709113/1-A	Method Blank	Total/NA	Water	625.1 SIM	709113
LCS 570-709113/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	709113
LCSD 570-709113/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	709113

Analysis Batch: 715664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-202867-1	Halawa Shaft Viewing Pool	Total/NA	Water	625.1	709113
MB 570-709113/1-A	Method Blank	Total/NA	Water	625.1	709113

GC VOA

Analysis Batch: 712696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-202867-1	Halawa Shaft Viewing Pool	Total/NA	Water	8015B GRO LL	
380-202867-2	TB: Halawa Shaft Viewing Pool	Total/NA	Water	8015B GRO LL	
MB 570-712696/5	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-712696/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-712696/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-712696/6	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-202454-G-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-202454-H-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-202867-1
 SDG: Weekly: Halawa Shaft Viewing Pool

GC Semi VOA

Prep Batch: 709773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-202867-1	Halawa Shaft Viewing Pool	Total/NA	Water	3510C	
MB 570-709773/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-709773/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-709773/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-709773/4-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 712918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-202867-1	Halawa Shaft Viewing Pool	Total/NA	Water	8015B	709773
MB 570-709773/1-A	Method Blank	Total/NA	Water	8015B	709773
LCS 570-709773/2-A	Lab Control Sample	Total/NA	Water	8015B	709773
LCSD 570-709773/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	709773
MRL 570-709773/4-A	Lab Control Sample	Total/NA	Water	8015B	709773

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Lab Chronicle

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

Job ID: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-202867-1

Date Collected: 03/10/26 09:30

Matrix: Water

Date Received: 03/12/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			213250	KRD3	EA POM	03/15/26 07:09
Total/NA	Analysis	525.2		1	213476	UPAC	EA POM	03/16/26 16:57
Total/NA	Prep	625.1			709113	S4EA	EET CAL 4	03/13/26 18:38
Total/NA	Analysis	625.1		1	715664	CG	EET CAL 4	03/27/26 15:34
Total/NA	Prep	625.1			709113	S4EA	EET CAL 4	03/13/26 18:38
Total/NA	Analysis	625.1 SIM		1	710214	PQS1	EET CAL 4	03/17/26 07:48
Total/NA	Analysis	8015B GRO LL		1	712696	YD9V	EET CAL 4	03/21/26 18:22
Total/NA	Prep	3510C			709773	TVD6	EET CAL 4	03/16/26 09:41
Total/NA	Analysis	8015B		1	712918	H6FE	EET CAL 4	03/22/26 20:20

Client Sample ID: TB: Halawa Shaft Viewing Pool

Lab Sample ID: 380-202867-2

Date Collected: 03/10/26 09:30

Matrix: Water

Date Received: 03/12/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	712696	YD9V	EET CAL 4	03/21/26 13:32

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: 380-202867-1
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 *
<p>The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.</p>			
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: 380-202867-1
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	03-01-27
Washington	State	C916	10-12-26

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Method Summary

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

Job ID: 380-202867-1
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: 380-202867-1
SDG: Weekly: Halawa Shaft Viewing Pool

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-202867-1	Halawa Shaft Viewing Pool	Water	03/10/26 09:30	03/12/26 09:40	Hawaii
380-202867-2	TB: Halawa Shaft Viewing Pool	Water	03/10/26 09:30	03/12/26 09:40	Hawaii

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Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-202867-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 202867

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: 380-202867-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 202867
List Number: 2
Creator: Judkins, Julianne

List Source: Eurofins Calscience
List Creation: 03/12/26 05:26 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	3.3/3.1 IR4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

