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ANALYTICAL REPORT

PREPARED FOR

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City & County of Honolulu
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Honolulu, Hawaii 96843

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JOB DESCRIPTION

RED-HILL
Weekly: Halawa Shaft Viewing Pool

JOB NUMBER

380-204928-1

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



Authorized for release by
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Definitions/Glossary

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

GC Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 380-204928-1

Job ID: 380-204928-1

Eurofins Pomona

Job Narrative 380-204928-1

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 3/26/2026 9:37 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.2°C and 3.3°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/sample duplicate (MS/MSD/DUP) associated with preparation batch 570-715689.

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/sample duplicate (MS/MSD/DUP) associated with preparation batch 570-715689.

Method 625.1 SIM: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 570-715689 and analytical batch 570-718659: Fluorene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

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

Gasoline Range Organics

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

Diesel Range Organics

Method 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-720612. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8015B: The method reporting limit check (MRL) for Prep Batch 720612 recovered outside control limits for the following analytes C10-C28 These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

Method: 8015B_DRO_LL_CS

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

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Detection Summary

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-204928-1

No Detections.

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-204928-2

No Detections.

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This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-204928-1

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/26/26 09:37

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		03/31/26 14:31	04/01/26 18:33	1
2,4'-DDD	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
2,4'-DDE	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
2,4'-DDT	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
2-Methylnaphthalene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
4,4'-DDD	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
4,4'-DDE	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
4,4'-DDT	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Acenaphthene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Acenaphthylene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Acetochlor	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Alachlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
alpha-BHC	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
alpha-Chlordane	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Anthracene	<0.020		0.020	ug/L		03/31/26 14:31	04/01/26 18:33	1
Atrazine	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Benz(a)anthracene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Benzo[a]pyrene	<0.020		0.020	ug/L		03/31/26 14:31	04/01/26 18:33	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		03/31/26 14:31	04/01/26 18:33	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		03/31/26 14:31	04/01/26 18:33	1
beta-BHC	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		03/31/26 14:31	04/01/26 18:33	1
Bromacil	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Butachlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Butylbenzylphthalate	<0.49		0.49	ug/L		03/31/26 14:31	04/01/26 18:33	1
Chlorobenzilate	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Chloroneb	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Chlorpyrifos	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Chrysene	<0.020		0.020	ug/L		03/31/26 14:31	04/01/26 18:33	1
delta-BHC	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		03/31/26 14:31	04/01/26 18:33	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Dieldrin	<0.0098		0.0098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Diethylphthalate	<0.49		0.49	ug/L		03/31/26 14:31	04/01/26 18:33	1
Dimethylphthalate	<0.49		0.49	ug/L		03/31/26 14:31	04/01/26 18:33	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		03/31/26 14:31	04/01/26 18:33	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Endosulfan sulfate	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Endrin	<0.0098		0.0098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Endrin aldehyde	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
EPTC	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Fluoranthene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1

Client Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-204928-1

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/26/26 09:37

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		03/31/26 14:31	04/01/26 18:33	1
gamma-Chlordane	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Heptachlor	<0.0098		0.0098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Hexachlorobenzene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Isophorone	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Lindane	<0.0098		0.0098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Malathion	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Methoxychlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Metolachlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Molinate	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Naphthalene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Parathion	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Phenanthrene	<0.039		0.039	ug/L		03/31/26 14:31	04/01/26 18:33	1
Propachlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Pyrene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Simazine	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Terbacil	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Terbutylazine	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Thiobencarb	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		03/31/26 14:31	04/01/26 18:33	1
trans-Nonachlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 18:33	1
Trifluralin	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 18:33	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Hexazinone	0.12		ug/L		8.40	51235-04-2	03/31/26 14:31	04/01/26 18:33	1
Tentatively Identified Compound	None		ug/L			N/A	03/31/26 14:31	04/01/26 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	96		70 - 130	03/31/26 14:31	04/01/26 18:33	1
Perylene-d12	96		70 - 130	03/31/26 14:31	04/01/26 18:33	1
Triphenylphosphate	101		70 - 130	03/31/26 14:31	04/01/26 18:33	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		03/27/26 09:04	04/02/26 18:17	1
2-Methylnaphthalene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Acenaphthene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Acenaphthylene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Anthracene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Benzo[a]anthracene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Benzo[a]pyrene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Chrysene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-204928-1

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/26/26 09:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Fluorene	<0.19	*	0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Naphthalene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Phenanthrene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1
Pyrene	<0.19		0.19	ug/L		03/27/26 09:04	04/02/26 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		28 - 127	03/27/26 09:04	04/02/26 18:17	1
2-Fluorobiphenyl (Surr)	71		31 - 120	03/27/26 09:04	04/02/26 18:17	1
2-Fluorophenol (Surr)	44		17 - 120	03/27/26 09:04	04/02/26 18:17	1
Nitrobenzene-d5 (Surr)	71		27 - 120	03/27/26 09:04	04/02/26 18:17	1
Phenol-d6 (Surr)	26		10 - 120	03/27/26 09:04	04/02/26 18:17	1
p-Terphenyl-d14 (Surr)	73		45 - 120	03/27/26 09:04	04/02/26 18:17	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	03/27/26 09:04	04/05/26 09:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		33 - 139	03/27/26 09:04	04/05/26 09:42	1
2-Fluorobiphenyl (Surr)	78		33 - 126	03/27/26 09:04	04/05/26 09:42	1
2-Fluorophenol (Surr)	51		12 - 120	03/27/26 09:04	04/05/26 09:42	1
Nitrobenzene-d5 (Surr)	82		36 - 120	03/27/26 09:04	04/05/26 09:42	1
Phenol-d6 (Surr)	30		10 - 120	03/27/26 09:04	04/05/26 09:42	1
p-Terphenyl-d14 (Surr)	80		47 - 131	03/27/26 09:04	04/05/26 09:42	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			04/07/26 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		38 - 134		04/07/26 14:19	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		03/27/26 10:35	04/05/26 18:44	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		03/27/26 10:35	04/05/26 18:44	1
C8-C18	<26		26	ug/L		03/27/26 10:35	04/05/26 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	123		60 - 130	03/27/26 10:35	04/05/26 18:44	1

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-204928-2

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/26/26 09:37

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			04/07/26 14:44	1

Client Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-204928-2

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/26/26 09:37

<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)	95		38 - 134		04/07/26 14:44	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: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-204928-1

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: 380-204928-1
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)
380-204099-BN-1-A MS	Matrix Spike	96	95	104
380-204125-AU-1-A DU	Duplicate	94	118	95
380-204928-1	HALAWA SHAFT VIEWING POOL	96	96	101
LCS 380-216982/23-A	Lab Control Sample	100	119	104
MB 380-216982/21-A	Method Blank	100	93	101
MRL 380-216982/22-A	Lab Control Sample	101	78	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)
380-204928-1	HALAWA SHAFT VIEWING POC	75	78	51	82	30	80
MB 570-715689/1-A	Method Blank	77	79	57	83	35	87

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

Method: 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)
380-204928-1	HALAWA SHAFT VIEWING POC	73	71	44	71	26	73
LCS 570-715689/2-A	Lab Control Sample	66	67	51	60	32	75
LCSD 570-715689/3-A	Lab Control Sample Dup	79	79	58	69	37	87
MB 570-715689/1-A	Method Blank	74	71	46	72	29	74

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: 380-204928-1
 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)
380-204928-1	HALAWA SHAFT VIEWING POC	95
380-204928-2	TB: HALAWA SHAFT VIEWING POOL	95
380-205433-B-1 MS	Matrix Spike	99
380-205433-B-1 MSD	Matrix Spike Duplicate	79
LCS 570-720590/5	Lab Control Sample	96
LCSD 570 720590/6	Lab Control Sample Dup	100
MB 570-720590/8	Method Blank	93
MRL 570-720590/9	Lab Control Sample	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-204658-C-1-A MS	Matrix Spike	101
380-204658-C-1-B MSD	Matrix Spike Duplicate	102
380-204928-1 - RA	HALAWA SHAFT VIEWING POOL	123
LCS 570-715739/2-A	Lab Control Sample	103
LCS 570-720612/2-A	Lab Control Sample	115
LCSD 570-715739/3-A	Lab Control Sample Dup	103
LCSD 570-720612/3-A	Lab Control Sample Dup	111
MB 570-715739/1-A	Method Blank	100
MB 570-720612/1-A	Method Blank	109
MRL 570-715739/4-A	Lab Control Sample	98
MRL 570-715739/4-A	Lab Control Sample	116
MRL 570-720612/4-A	Lab Control Sample	110

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 380-216982/21-A
Matrix: Water
Analysis Batch: 217165

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 216982

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
2,4'-DDD	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
2,4'-DDE	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
2,4'-DDT	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
2-Methylnaphthalene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
4,4'-DDD	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
4,4'-DDE	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
4,4'-DDT	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Acenaphthene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Acenaphthylene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Acetochlor	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Alachlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
alpha-BHC	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
alpha-Chlordane	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Anthracene	<0.020		0.020	ug/L		03/31/26 14:31	04/01/26 15:13	1
Atrazine	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Benz(a)anthracene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Benzo[a]pyrene	<0.020		0.020	ug/L		03/31/26 14:31	04/01/26 15:13	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		03/31/26 14:31	04/01/26 15:13	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		03/31/26 14:31	04/01/26 15:13	1
beta-BHC	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		03/31/26 14:31	04/01/26 15:13	1
Bromacil	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Butachlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Butylbenzylphthalate	<0.49		0.49	ug/L		03/31/26 14:31	04/01/26 15:13	1
Chlorobenzilate	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Chloroneb	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Chlorpyrifos	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Chrysene	<0.020		0.020	ug/L		03/31/26 14:31	04/01/26 15:13	1
delta-BHC	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		03/31/26 14:31	04/01/26 15:13	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Dieldrin	<0.0098		0.0098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Diethylphthalate	<0.49		0.49	ug/L		03/31/26 14:31	04/01/26 15:13	1
Dimethylphthalate	<0.49		0.49	ug/L		03/31/26 14:31	04/01/26 15:13	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		03/31/26 14:31	04/01/26 15:13	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Endosulfan sulfate	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Endrin	<0.0098		0.0098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Endrin aldehyde	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
EPTC	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1

QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 380-216982/21-A
Matrix: Water
Analysis Batch: 217165

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 216982

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Fluorene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
gamma-Chlordane	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Heptachlor	<0.0098		0.0098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Hexachlorobenzene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Isophorone	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Lindane	<0.0098		0.0098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Malathion	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Methoxychlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Metolachlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Molinate	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Naphthalene	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Parathion	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Phenanthrene	<0.039		0.039	ug/L		03/31/26 14:31	04/01/26 15:13	1
Propachlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Pyrene	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Simazine	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Terbacil	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Terbutylazine	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Thiobencarb	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		03/31/26 14:31	04/01/26 15:13	1
trans-Nonachlor	<0.049		0.049	ug/L		03/31/26 14:31	04/01/26 15:13	1
Trifluralin	<0.098		0.098	ug/L		03/31/26 14:31	04/01/26 15:13	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclopentene, 1,2,3,3,4-pentamethyl-	0.844	T J N	ug/L		2.60	197390-29-7	03/31/26 14:31	04/01/26 15:13	1
Unknown	0.775	T J	ug/L		3.04	N/A	03/31/26 14:31	04/01/26 15:13	1
Undecane	5.75	T J N	ug/L		3.18	1120-21-4	03/31/26 14:31	04/01/26 15:13	1
Cyclopentasiloxane, decamethyl-	0.845	T J N	ug/L		3.32	541-02-6	03/31/26 14:31	04/01/26 15:13	1
Cyclohexasiloxane, dodecamethyl-	1.60	T J N	ug/L		3.94	540-97-6	03/31/26 14:31	04/01/26 15:13	1
Unknown	0.847	T J	ug/L		4.59	N/A	03/31/26 14:31	04/01/26 15:13	1
9-Octadecenamide, (Z)-	0.949	T J N	ug/L		8.03	301-02-0	03/31/26 14:31	04/01/26 15:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	100		70 - 130	03/31/26 14:31	04/01/26 15:13	1
Perylene-d12	93		70 - 130	03/31/26 14:31	04/01/26 15:13	1
Triphenylphosphate	101		70 - 130	03/31/26 14:31	04/01/26 15:13	1

Lab Sample ID: LCS 380-216982/23-A
Matrix: Water
Analysis Batch: 217165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 216982

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.96	1.99		ug/L		101	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 380-216982/23-A
Matrix: Water
Analysis Batch: 217165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 216982

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	1.96	2.23		ug/L		114	70 - 130
2,4'-DDE	1.96	2.18		ug/L		111	70 - 130
2,4'-DDT	1.96	1.88		ug/L		96	70 - 130
2,4-Dinitrotoluene	1.96	2.14		ug/L		109	70 - 130
2,6-Dinitrotoluene	1.96	2.06		ug/L		105	70 - 130
2-Methylnaphthalene	1.96	2.00		ug/L		102	70 - 130
4,4'-DDD	1.96	1.93		ug/L		98	70 - 130
4,4'-DDE	1.96	2.22		ug/L		113	70 - 130
4,4'-DDT	1.96	2.23		ug/L		114	70 - 130
Acenaphthene	1.96	2.01		ug/L		102	70 - 130
Acenaphthylene	1.96	2.06		ug/L		105	70 - 130
Acetochlor	1.96	2.37		ug/L		121	70 - 130
Alachlor	1.96	2.35		ug/L		120	70 - 130
alpha-BHC	1.96	2.15		ug/L		109	70 - 130
alpha-Chlordane	1.96	2.27		ug/L		116	70 - 130
Anthracene	1.96	2.06		ug/L		105	70 - 130
Atrazine	1.96	2.34		ug/L		119	70 - 130
Benz(a)anthracene	1.96	1.75		ug/L		89	70 - 130
Benzo[a]pyrene	1.96	2.43		ug/L		124	70 - 130
Benzo[b]fluoranthene	1.96	2.45		ug/L		125	70 - 130
Benzo[g,h,i]perylene	1.96	2.43		ug/L		124	70 - 130
Benzo[k]fluoranthene	1.96	2.43		ug/L		124	70 - 130
beta-BHC	1.96	2.32		ug/L		118	70 - 130
Bis(2-ethylhexyl) phthalate	1.96	2.31		ug/L		117	70 - 130
Bromacil	1.96	1.94		ug/L		99	70 - 130
Butachlor	1.96	2.24		ug/L		114	70 - 130
Butylbenzylphthalate	1.96	1.92		ug/L		98	70 - 130
Chlorobenzilate	1.96	2.13		ug/L		108	70 - 130
Chloroneb	1.96	2.11		ug/L		108	70 - 130
Chlorothalonil (Draconil, Bravo)	1.96	2.31		ug/L		118	70 - 130
Chlorpyrifos	1.96	2.27		ug/L		116	70 - 130
Chrysene	1.96	2.19		ug/L		111	70 - 130
delta-BHC	1.96	2.13		ug/L		108	70 - 130
Di(2-ethylhexyl)adipate	1.96	1.90		ug/L		97	70 - 130
Dibenz(a,h)anthracene	1.96	2.36		ug/L		120	70 - 130
Diclorvos (DDVP)	1.96	2.24		ug/L		114	70 - 130
Dieldrin	1.96	2.25		ug/L		115	70 - 130
Diethylphthalate	1.96	2.26		ug/L		115	70 - 130
Dimethylphthalate	1.96	2.12		ug/L		108	70 - 130
Di-n-butyl phthalate	3.93	5.00		ug/L		127	70 - 130
Di-n-octyl phthalate	1.96	2.49		ug/L		127	70 - 130
Endosulfan I (Alpha)	1.96	2.22		ug/L		113	70 - 130
Endosulfan II (Beta)	1.96	1.99		ug/L		101	70 - 130
Endosulfan sulfate	1.96	2.09		ug/L		106	70 - 130
Endrin	1.96	2.21		ug/L		112	70 - 130
Endrin aldehyde	1.96	2.05		ug/L		104	60 - 130
EPTC	1.96	2.18		ug/L		111	70 - 130
Fluoranthene	1.96	2.17		ug/L		111	70 - 130
Fluorene	1.96	2.08		ug/L		106	70 - 130

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QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 380-216982/23-A
Matrix: Water
Analysis Batch: 217165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 216982

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
gamma-Chlordane	1.96	2.36		ug/L		120	70 - 130
Heptachlor	1.96	2.31		ug/L		118	70 - 130
Heptachlor epoxide (isomer B)	1.96	2.24		ug/L		114	70 - 130
Hexachlorobenzene	1.96	1.98		ug/L		101	70 - 130
Hexachlorocyclopentadiene	1.96	2.01		ug/L		102	70 - 130
Indeno[1,2,3-cd]pyrene	1.96	2.43		ug/L		124	70 - 130
Isophorone	1.96	2.11		ug/L		107	70 - 130
Lindane	1.96	2.22		ug/L		113	70 - 130
Malathion	1.96	2.11		ug/L		108	70 - 130
Methoxychlor	1.96	2.09		ug/L		106	70 - 130
Metolachlor	1.96	2.16		ug/L		110	70 - 130
Molinate	1.96	2.23		ug/L		113	70 - 130
Naphthalene	1.96	2.05		ug/L		104	70 - 130
Parathion	1.96	2.54		ug/L		129	70 - 130
Pendimethalin (Penoxaline)	1.96	2.19		ug/L		112	70 - 130
Phenanthrene	1.96	2.00		ug/L		102	70 - 130
Propachlor	1.96	2.36		ug/L		120	70 - 130
Pyrene	1.96	2.19		ug/L		111	70 - 130
Simazine	1.96	2.33		ug/L		119	70 - 130
Terbacil	1.96	2.39		ug/L		122	70 - 130
Terbutylazine	1.96	2.35		ug/L		119	70 - 130
Thiobencarb	1.96	2.40		ug/L		122	70 - 130
trans-Nonachlor	1.96	2.22		ug/L		113	70 - 130
Trifluralin	1.96	2.07		ug/L		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	100		70 - 130
Perylene-d12	119		70 - 130
Triphenylphosphate	104		70 - 130

Lab Sample ID: MRL 380-216982/22-A
Matrix: Water
Analysis Batch: 217165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 216982

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0985	0.116		ug/L		118	50 - 150
2,4'-DDD	0.0985	0.0921	J	ug/L		93	50 - 150
2,4'-DDE	0.0985	0.106		ug/L		108	50 - 150
2,4'-DDT	0.0985	0.116		ug/L		118	50 - 150
2,4-Dinitrotoluene	0.0985	0.114		ug/L		116	50 - 150
2,6-Dinitrotoluene	0.0985	0.123		ug/L		125	50 - 150
2-Methylnaphthalene	0.0985	0.107		ug/L		109	50 - 150
4,4'-DDD	0.0985	0.114		ug/L		115	50 - 150
4,4'-DDE	0.0985	0.103		ug/L		105	50 - 150
4,4'-DDT	0.0985	0.124		ug/L		126	50 - 150
Acenaphthene	0.0985	0.104		ug/L		106	50 - 150
Acenaphthylene	0.0985	0.0963	J	ug/L		98	50 - 150
Acetochlor	0.0985	0.125		ug/L		127	50 - 150

QC Sample Results

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

Job ID: 380-204928-1
 SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 380-216982/22-A
Matrix: Water
Analysis Batch: 217165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 216982

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alachlor	0.0493	0.0559		ug/L		113	50 - 150
alpha-BHC	0.0985	0.113		ug/L		115	50 - 150
alpha-Chlordane	0.0246	<0.029		ug/L		109	50 - 150
Anthracene	0.0197	0.0224		ug/L		114	50 - 150
Atrazine	0.0493	0.0563		ug/L		114	50 - 150
Benz(a)anthracene	0.0493	0.0563		ug/L		114	50 - 150
Benzo[a]pyrene	0.0197	0.0216		ug/L		110	50 - 150
Benzo[b]fluoranthene	0.0197	0.0232		ug/L		118	50 - 150
Benzo[g,h,i]perylene	0.0493	0.0511		ug/L		104	50 - 150
Benzo[k]fluoranthene	0.0197	0.0213		ug/L		108	50 - 150
beta-BHC	0.0985	0.129		ug/L		131	50 - 150
Bis(2-ethylhexyl) phthalate	0.591	0.618		ug/L		105	50 - 150
Bromacil	0.0985	0.111		ug/L		112	50 - 150
Butachlor	0.0493	0.0621		ug/L		126	50 - 150
Butylbenzylphthalate	0.493	0.571		ug/L		116	50 - 150
Chlorobenzilate	0.0985	0.125		ug/L		127	50 - 150
Chloroneb	0.0985	0.113		ug/L		114	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0985	0.0982	J	ug/L		100	50 - 150
Chlorpyrifos	0.0493	0.0595		ug/L		121	50 - 150
Chrysene	0.0197	0.0235		ug/L		119	50 - 150
delta-BHC	0.0985	0.107		ug/L		108	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.690		ug/L		117	50 - 150
Dibenz(a,h)anthracene	0.0493	0.0522		ug/L		106	50 - 150
Diclorvos (DDVP)	0.0493	0.0575		ug/L		117	50 - 150
Dieldrin	0.00985	0.0107		ug/L		108	50 - 150
Diethylphthalate	0.493	0.573		ug/L		116	50 - 150
Dimethylphthalate	0.493	0.535		ug/L		109	50 - 150
Di-n-butyl phthalate	0.493	0.679	J	ug/L		138	49 - 243
Di-n-octyl phthalate	0.0985	0.103		ug/L		105	50 - 150
Endosulfan I (Alpha)	0.0985	0.0973	J	ug/L		99	50 - 150
Endosulfan II (Beta)	0.0985	0.112		ug/L		114	50 - 150
Endosulfan sulfate	0.0985	0.107		ug/L		109	50 - 150
Endrin	0.00985	0.0144		ug/L		147	50 - 150
Endrin aldehyde	0.0985	0.109		ug/L		110	50 - 150
EPTC	0.0985	0.110		ug/L		112	50 - 150
Fluoranthene	0.0985	0.0977	J	ug/L		99	50 - 150
Fluorene	0.0493	0.0528		ug/L		107	50 - 150
gamma-Chlordane	0.0246	0.0277	J	ug/L		112	50 - 150
Heptachlor	0.00985	0.0123		ug/L		125	50 - 150
Heptachlor epoxide (isomer B)	0.00985	0.0105		ug/L		107	50 - 150
Hexachlorobenzene	0.0493	0.0535		ug/L		109	50 - 150
Hexachlorocyclopentadiene	0.0493	0.0525		ug/L		107	50 - 150
Indeno[1,2,3-cd]pyrene	0.0493	0.0539		ug/L		109	50 - 150
Isophorone	0.0985	0.126		ug/L		128	50 - 150
Lindane	0.00985	0.0138		ug/L		140	50 - 150
Malathion	0.0985	0.108		ug/L		110	50 - 150
Methoxychlor	0.0493	0.0598		ug/L		121	50 - 150
Metolachlor	0.0493	0.0656		ug/L		133	50 - 150
Molinate	0.0985	0.110		ug/L		112	50 - 150

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QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 380-216982/22-A
Matrix: Water
Analysis Batch: 217165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 216982

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	0.0985	0.115		ug/L		116	50 - 150
Parathion	0.0985	0.105		ug/L		106	50 - 150
Pendimethalin (Penoxaline)	0.0985	0.0957	J	ug/L		97	50 - 150
Phenanthrene	0.0394	0.0439		ug/L		111	50 - 150
Propachlor	0.0493	0.0580		ug/L		118	50 - 150
Pyrene	0.0493	0.0518		ug/L		105	50 - 150
Simazine	0.0493	0.0499		ug/L		101	50 - 150
Terbacil	0.0985	0.116		ug/L		118	50 - 150
Terbutylazine	0.0985	0.111		ug/L		112	50 - 150
Thiobencarb	0.0985	0.107		ug/L		109	50 - 150
trans-Nonachlor	0.0246	<0.026		ug/L		100	50 - 150
Trifluralin	0.0985	0.105		ug/L		107	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
2-Nitro-m-xylene	101		70 - 130				
Perylene-d12	78		70 - 130				
Triphenylphosphate	104		70 - 130				

Lab Sample ID: 380-204099-BN-1-A MS
Matrix: Water
Analysis Batch: 217431

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 216982

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.098		1.98	1.92		ug/L		96	70 - 130
2,4'-DDD	<0.098		1.98	2.19		ug/L		111	70 - 130
2,4'-DDE	<0.098		1.98	2.32		ug/L		117	70 - 130
2,4'-DDT	<0.098		1.98	2.17		ug/L		110	70 - 130
2,4-Dinitrotoluene	<0.098		1.98	1.99		ug/L		100	70 - 130
2,6-Dinitrotoluene	<0.098		1.98	1.97		ug/L		100	70 - 130
2-Methylnaphthalene	<0.098		1.98	2.03		ug/L		102	70 - 130
4,4'-DDD	<0.098		1.98	2.31		ug/L		117	70 - 130
4,4'-DDE	<0.098		1.98	1.99		ug/L		100	70 - 130
4,4'-DDT	<0.098		1.98	2.37		ug/L		120	70 - 130
Acenaphthene	<0.098		1.98	1.98		ug/L		100	70 - 130
Acenaphthylene	<0.098		1.98	2.15		ug/L		109	70 - 130
Acetochlor	<0.098		1.98	2.20		ug/L		111	70 - 130
Alachlor	<0.049		1.98	2.27		ug/L		115	70 - 130
alpha-BHC	<0.098		1.98	1.98		ug/L		100	70 - 130
alpha-Chlordane	<0.049		1.98	2.15		ug/L		109	70 - 130
Anthracene	<0.020		1.98	1.93		ug/L		97	70 - 130
Atrazine	<0.049		1.98	2.11		ug/L		107	70 - 130
Benz(a)anthracene	<0.049		1.98	2.12		ug/L		107	70 - 130
Benzo[a]pyrene	<0.020		1.98	2.05		ug/L		104	70 - 130
Benzo[b]fluoranthene	<0.020		1.98	2.15		ug/L		108	70 - 130
Benzo[g,h,i]perylene	<0.049		1.98	2.01		ug/L		102	70 - 130
Benzo[k]fluoranthene	<0.020		1.98	1.99		ug/L		101	70 - 130
beta-BHC	<0.098		1.98	2.10		ug/L		106	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.98	2.07		ug/L		105	70 - 130

QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-204099-BN-1-A MS
Matrix: Water
Analysis Batch: 217431

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 216982

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromacil	<0.098		1.98	1.93		ug/L		97	70 - 130
Butachlor	<0.049		1.98	2.44		ug/L		124	70 - 130
Butylbenzylphthalate	<0.49		1.98	2.26		ug/L		114	70 - 130
Chlorobenzilate	<0.098		1.98	2.25		ug/L		114	70 - 130
Chloroneb	<0.098		1.98	1.98		ug/L		100	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.98	2.06		ug/L		104	70 - 130
Chlorpyrifos	<0.049		1.98	2.33		ug/L		118	70 - 130
Chrysene	<0.020		1.98	2.13		ug/L		108	70 - 130
delta-BHC	<0.098		1.98	1.94		ug/L		98	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.98	2.30		ug/L		116	70 - 130
Dibenz(a,h)anthracene	<0.049		1.98	1.94		ug/L		98	70 - 130
Diclorvos (DDVP)	<0.049		1.98	2.07		ug/L		105	70 - 130
Dieldrin	<0.0098		1.98	2.30		ug/L		116	70 - 130
Diethylphthalate	<0.49		1.98	2.26		ug/L		114	70 - 130
Dimethylphthalate	<0.49		1.98	2.05		ug/L		104	70 - 130
Di-n-butyl phthalate	<0.98		3.95	4.38		ug/L		111	70 - 130
Di-n-octyl phthalate	<0.098		1.98	2.09		ug/L		106	70 - 130
Endosulfan I (Alpha)	<0.098		1.98	2.16		ug/L		109	70 - 130
Endosulfan II (Beta)	<0.098		1.98	2.10		ug/L		106	70 - 130
Endosulfan sulfate	<0.098		1.98	2.04		ug/L		103	70 - 130
Endrin	<0.0098		1.98	2.45		ug/L		124	70 - 130
Endrin aldehyde	<0.098		1.98	1.89		ug/L		96	60 - 130
EPTC	<0.098		1.98	2.21		ug/L		112	70 - 130
Fluoranthene	<0.098		1.98	2.25		ug/L		114	70 - 130
Fluorene	<0.049		1.98	2.11		ug/L		107	70 - 130
gamma-Chlordane	<0.049		1.98	2.27		ug/L		115	70 - 130
Heptachlor	<0.0098		1.98	2.09		ug/L		106	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.98	2.00		ug/L		101	70 - 130
Hexachlorobenzene	<0.049		1.98	2.01		ug/L		102	70 - 130
Hexachlorocyclopentadiene	<0.049		1.98	1.92		ug/L		97	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.98	2.07		ug/L		105	70 - 130
Isophorone	<0.098		1.98	2.02		ug/L		102	70 - 130
Lindane	<0.0098		1.98	2.25		ug/L		114	70 - 130
Malathion	<0.098		1.98	2.10		ug/L		106	70 - 130
Methoxychlor	<0.049		1.98	2.08		ug/L		105	70 - 130
Metolachlor	<0.049		1.98	2.31		ug/L		117	70 - 130
Molinate	<0.098		1.98	2.18		ug/L		110	70 - 130
Naphthalene	<0.098		1.98	2.04		ug/L		103	70 - 130
Parathion	<0.098		1.98	2.24		ug/L		113	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.98	2.16		ug/L		109	70 - 130
Phenanthrene	<0.039		1.98	1.99		ug/L		101	70 - 130
Propachlor	<0.049		1.98	2.25		ug/L		114	70 - 130
Pyrene	<0.049		1.98	2.35		ug/L		119	70 - 130
Simazine	<0.049		1.98	1.99		ug/L		101	70 - 130
Terbacil	<0.098		1.98	1.76		ug/L		89	70 - 130
Terbutylazine	<0.098		1.98	2.15		ug/L		109	70 - 130
Thiobencarb	<0.098		1.98	2.25		ug/L		114	70 - 130
trans-Nonachlor	<0.049		1.98	2.12		ug/L		107	70 - 130
Trifluralin	<0.098		1.98	2.07		ug/L		105	70 - 130

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QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	104		70 - 130

Lab Sample ID: 380-204125-AU-1-A DU
Matrix: Water
Analysis Batch: 217165

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 216982

Analyte	Sample Result	Sample Qualifier	DU DU		Unit	D	RPD	Limit
			Result	Qualifier				
1-Methylnaphthalene	<0.098		<0.099		ug/L		NC	20
2,4'-DDD	<0.098		<0.099		ug/L		NC	20
2,4'-DDE	<0.098		<0.099		ug/L		NC	20
2,4'-DDT	<0.098		<0.099		ug/L		NC	20
2,4-Dinitrotoluene	<0.098		<0.099		ug/L		NC	20
2,6-Dinitrotoluene	<0.098		<0.099		ug/L		NC	20
2-Methylnaphthalene	<0.098		<0.099		ug/L		NC	20
4,4'-DDD	<0.098		<0.099		ug/L		NC	20
4,4'-DDE	<0.098		<0.099		ug/L		NC	20
4,4'-DDT	<0.098		<0.099		ug/L		NC	20
Acenaphthene	<0.098		<0.099		ug/L		NC	20
Acenaphthylene	<0.098		<0.099		ug/L		NC	20
Acetochlor	<0.098		<0.099		ug/L		NC	20
Alachlor	<0.049		<0.050		ug/L		NC	20
alpha-BHC	<0.098		<0.099		ug/L		NC	20
alpha-Chlordane	<0.049		<0.050		ug/L		NC	20
Anthracene	<0.020		<0.020		ug/L		NC	20
Atrazine	<0.049		<0.050		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.050		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		<0.050		ug/L		NC	20
Benzo[k]fluoranthene	<0.020		<0.020		ug/L		NC	20
beta-BHC	<0.098		<0.099		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.59		<0.60		ug/L		NC	20
Bromacil	<0.098		<0.099		ug/L		NC	20
Butachlor	<0.049		<0.050		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.50		ug/L		NC	20
Chlorobenzilate	<0.098		<0.099		ug/L		NC	20
Chloroneb	<0.098		<0.099		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.098		<0.099		ug/L		NC	20
Chlorpyrifos	<0.049		<0.050		ug/L		NC	20
Chrysene	<0.020		<0.020		ug/L		NC	20
delta-BHC	<0.098		<0.099		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.59		<0.60		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.050		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.050		ug/L		NC	20
Dieldrin	<0.0098		<0.0099		ug/L		NC	20
Diethylphthalate	<0.49		<0.50		ug/L		NC	20
Dimethylphthalate	<0.49		<0.50		ug/L		NC	20
Di-n-butyl phthalate	<0.98		<0.99		ug/L		NC	20
Di-n-octyl phthalate	<0.098		<0.099		ug/L		NC	20

QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-204125-AU-1-A DU
Matrix: Water
Analysis Batch: 217165

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 216982

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Endosulfan I (Alpha)	<0.098		<0.099		ug/L		NC	20
Endosulfan II (Beta)	<0.098		<0.099		ug/L		NC	20
Endosulfan sulfate	<0.098		<0.099		ug/L		NC	20
Endrin	<0.0098		<0.0099		ug/L		NC	20
Endrin aldehyde	<0.098		<0.099		ug/L		NC	20
EPTC	<0.098		<0.099		ug/L		NC	20
Fluoranthene	<0.098		<0.099		ug/L		NC	20
Fluorene	<0.049		<0.050		ug/L		NC	20
gamma-Chlordane	<0.049		<0.050		ug/L		NC	20
Heptachlor	<0.0098		<0.0099		ug/L		NC	20
Heptachlor epoxide (isomer B)	<0.0098		<0.0099		ug/L		NC	20
Hexachlorobenzene	<0.049		<0.050		ug/L		NC	20
Hexachlorocyclopentadiene	<0.049		<0.050		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.049		<0.050		ug/L		NC	20
Isophorone	<0.098		<0.099		ug/L		NC	20
Lindane	<0.0098		<0.0099		ug/L		NC	20
Malathion	<0.098		<0.099		ug/L		NC	20
Methoxychlor	<0.049		<0.050		ug/L		NC	20
Metolachlor	<0.049		<0.050		ug/L		NC	20
Molinate	<0.098		<0.099		ug/L		NC	20
Naphthalene	<0.098		<0.099		ug/L		NC	20
Parathion	<0.098		<0.099		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.098		<0.099		ug/L		NC	20
Phenanthrene	<0.039		<0.040		ug/L		NC	20
Propachlor	<0.049		<0.050		ug/L		NC	20
Pyrene	<0.049		<0.050		ug/L		NC	20
Simazine	<0.049		<0.050		ug/L		NC	20
Terbacil	<0.098		<0.099		ug/L		NC	20
Terbutylazine	<0.098		<0.099		ug/L		NC	20
Thiobencarb	<0.098		<0.099		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.20		<0.20		ug/L		NC	20
trans-Nonachlor	<0.049		<0.050		ug/L		NC	20
Trifluralin	<0.098		<0.099		ug/L		NC	20

Surrogate	DU	DU	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	94		70 - 130
Perylene-d12	118		70 - 130
Triphenylphosphate	95		70 - 130

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

Lab Sample ID: MB 570-715689/1-A
Matrix: Water
Analysis Batch: 719742

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715689

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L			N/A	03/27/26 09:04	04/05/26 08:29	1

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QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 570-715689/1-A
Matrix: Water
Analysis Batch: 719742

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715689

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		33 - 139	03/27/26 09:04	04/05/26 08:29	1
2-Fluorobiphenyl (Surr)	79		33 - 126	03/27/26 09:04	04/05/26 08:29	1
2-Fluorophenol (Surr)	57		12 - 120	03/27/26 09:04	04/05/26 08:29	1
Nitrobenzene-d5 (Surr)	83		36 - 120	03/27/26 09:04	04/05/26 08:29	1
Phenol-d6 (Surr)	35		10 - 120	03/27/26 09:04	04/05/26 08:29	1
p-Terphenyl-d14 (Surr)	87		47 - 131	03/27/26 09:04	04/05/26 08:29	1

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

Lab Sample ID: MB 570-715689/1-A
Matrix: Water
Analysis Batch: 718659

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715689

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
2-Methylnaphthalene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Acenaphthene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Acenaphthylene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Anthracene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Benzo[a]anthracene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Benzo[a]pyrene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Chrysene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Fluoranthene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Fluorene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Naphthalene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Phenanthrene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1
Pyrene	<0.20		0.20	ug/L	-	03/27/26 09:04	04/02/26 16:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	74		28 - 127	03/27/26 09:04	04/02/26 16:05	1
2-Fluorobiphenyl (Surr)	71		31 - 120	03/27/26 09:04	04/02/26 16:05	1
2-Fluorophenol (Surr)	46		17 - 120	03/27/26 09:04	04/02/26 16:05	1
Nitrobenzene-d5 (Surr)	72		27 - 120	03/27/26 09:04	04/02/26 16:05	1
Phenol-d6 (Surr)	29		10 - 120	03/27/26 09:04	04/02/26 16:05	1
p-Terphenyl-d14 (Surr)	74		45 - 120	03/27/26 09:04	04/02/26 16:05	1

Lab Sample ID: LCS 570-715689/2-A
Matrix: Water
Analysis Batch: 718659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715689

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	11.8		ug/L	-	59	47 - 120
2-Methylnaphthalene	20.0	11.7		ug/L	-	59	43 - 120

QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 570-715689/2-A
Matrix: Water
Analysis Batch: 718659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715689

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	20.0	13.3		ug/L		67	60 - 132
Acenaphthylene	20.0	13.9		ug/L		70	54 - 126
Anthracene	20.0	13.3		ug/L		67	43 - 120
Benzo[a]anthracene	20.0	14.4		ug/L		72	42 - 133
Benzo[a]pyrene	20.0	15.2		ug/L		76	32 - 148
Benzo[b]fluoranthene	20.0	14.5		ug/L		73	42 - 140
Benzo[g,h,i]perylene	20.0	13.4		ug/L		67	1 - 195
Benzo[k]fluoranthene	20.0	14.0		ug/L		70	25 - 146
Chrysene	20.0	13.8		ug/L		69	44 - 140
Dibenz(a,h)anthracene	20.0	14.1		ug/L		70	1 - 200
Fluoranthene	20.0	13.5		ug/L		67	43 - 121
Fluorene	20.0	13.4	*-	ug/L		67	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	13.7		ug/L		68	1 - 151
Naphthalene	20.0	11.2		ug/L		56	36 - 120
Phenanthrene	20.0	13.3		ug/L		67	65 - 120
Pyrene	20.0	14.6		ug/L		73	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	66		28 - 127
2-Fluorobiphenyl (Surr)	67		31 - 120
2-Fluorophenol (Surr)	51		17 - 120
Nitrobenzene-d5 (Surr)	60		27 - 120
Phenol-d6 (Surr)	32		10 - 120
p-Terphenyl-d14 (Surr)	75		45 - 120

Lab Sample ID: LCSD 570-715689/3-A
Matrix: Water
Analysis Batch: 718659

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715689

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	14.0		ug/L		70	47 - 120	17	20
2-Methylnaphthalene	20.0	13.9		ug/L		69	43 - 120	17	20
Acenaphthene	20.0	15.8		ug/L		79	60 - 132	17	29
Acenaphthylene	20.0	16.2		ug/L		81	54 - 126	15	45
Anthracene	20.0	15.9		ug/L		80	43 - 120	18	40
Benzo[a]anthracene	20.0	17.2		ug/L		86	42 - 133	18	32
Benzo[a]pyrene	20.0	18.4		ug/L		92	32 - 148	19	43
Benzo[b]fluoranthene	20.0	17.6		ug/L		88	42 - 140	19	43
Benzo[g,h,i]perylene	20.0	15.5		ug/L		77	1 - 195	15	61
Benzo[k]fluoranthene	20.0	16.7		ug/L		84	25 - 146	18	38
Chrysene	20.0	16.6		ug/L		83	44 - 140	19	53
Dibenz(a,h)anthracene	20.0	16.5		ug/L		82	1 - 200	16	75
Fluoranthene	20.0	16.5		ug/L		82	43 - 121	20	40
Fluorene	20.0	16.1		ug/L		80	70 - 120	18	23
Indeno[1,2,3-cd]pyrene	20.0	15.9		ug/L		80	1 - 151	15	60
Naphthalene	20.0	13.0		ug/L		65	36 - 120	15	39
Phenanthrene	20.0	15.9		ug/L		80	65 - 120	18	24
Pyrene	20.0	18.0		ug/L		90	70 - 120	21	30

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QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCSD 570-715689/3-A
Matrix: Water
Analysis Batch: 718659

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715689

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	79		28 - 127
2-Fluorobiphenyl (Surr)	79		31 - 120
2-Fluorophenol (Surr)	58		17 - 120
Nitrobenzene-d5 (Surr)	69		27 - 120
Phenol d6 (Surr)	37		10 - 120
p-Terphenyl-d14 (Surr)	87		45 - 120

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

Lab Sample ID: MB 570-720590/8
Matrix: Water
Analysis Batch: 720590

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			04/07/26 13:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		38 - 134		04/07/26 13:19	1

Lab Sample ID: LCS 570-720590/5
Matrix: Water
Analysis Batch: 720590

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	428		ug/L		107	78 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		38 - 134

Lab Sample ID: LCSD 570-720590/6
Matrix: Water
Analysis Batch: 720590

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	449		ug/L		112	78 - 120	5	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		38 - 134

Lab Sample ID: MRL 570-720590/9
Matrix: Water
Analysis Batch: 720590

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	12.8		ug/L		128	50 - 150

QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 570-720590/9
Matrix: Water
Analysis Batch: 720590

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>MRL MRL Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	97		38 - 134

Lab Sample ID: 380-205433-B-1 MS
Matrix: Water
Analysis Batch: 720590

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

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS Result</i>	<i>MS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
Gasoline Range Organics (C4-C13)	<10		400	400		ug/L		100	68 - 122

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	99		38 - 134

Lab Sample ID: 380-205433-B-1 MSD
Matrix: Water
Analysis Batch: 720590

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

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
Gasoline Range Organics (C4-C13)	<10		400	380		ug/L		95	68 - 122	5	18

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	79		38 - 134

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

Lab Sample ID: MB 570-715739/1-A
Matrix: Water
Analysis Batch: 718519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715739

<i>Analyte</i>	<i>MB Result</i>	<i>MB Qualifier</i>	<i>RL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Diesel Range Organics (C10-C24)	<25		25	ug/L		03/27/26 10:35	04/02/26 11:47	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		03/27/26 10:35	04/02/26 11:47	1
C8-C18	<25		25	ug/L		03/27/26 10:35	04/02/26 11:47	1

<i>Surrogate</i>	<i>%Recovery</i>	<i>MB MB Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
n-Octacosane (Surr)	100		60 - 130	03/27/26 10:35	04/02/26 11:47	1

Lab Sample ID: LCS 570-715739/2-A
Matrix: Water
Analysis Batch: 718519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715739

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
C10-C28	1600	1440		ug/L		90	56 - 127

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

QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCSD 570-715739/3-A
Matrix: Water
Analysis Batch: 718519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 715739

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C10-C28	1600	1470		ug/L		92	56 - 127	2	23
Surrogate		LCSD %Recovery	LCSD Qualifier						Limits
<i>n-Octacosane (Surr)</i>		103							60 - 130

Lab Sample ID: MRL 570-715739/4-A
Matrix: Water
Analysis Batch: 718519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715739

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	0.0200	0.0255		mg/L		127	50 - 150		
Surrogate		MRL %Recovery	MRL Qualifier						Limits
<i>n-Octacosane (Surr)</i>		98							60 - 130

Lab Sample ID: MRL 570-715739/4-A
Matrix: Water
Analysis Batch: 719836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715739

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	0.0200	0.0268		mg/L		134	50 - 150		
Surrogate		MRL %Recovery	MRL Qualifier						Limits
<i>n-Octacosane (Surr)</i>		116							60 - 130

Lab Sample ID: 380-204658-C-1-A MS
Matrix: Water
Analysis Batch: 718519

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 715739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1650	1520		ug/L		92	70 - 130		
Surrogate		MS %Recovery		MS Qualifier						Limits	
<i>n-Octacosane (Surr)</i>		101								60 - 130	

Lab Sample ID: 380-204658-C-1-B MSD
Matrix: Water
Analysis Batch: 718519

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 715739

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C10-C28	<26		1630	1540		ug/L		94	70 - 130	1	20
Surrogate		MSD %Recovery		MSD Qualifier							Limits
<i>n-Octacosane (Surr)</i>		102									60 - 130

QC Sample Results

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 570-720612/1-A
Matrix: Water
Analysis Batch: 720996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720612

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (C10-C24)	<25		25	ug/L		04/07/26 09:29	04/07/26 21:24	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		04/07/26 09:29	04/07/26 21:24	1
C8-C18	<25		25	ug/L		04/07/26 09:29	04/07/26 21:24	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
<i>n-Octacosane (Surr)</i>	109		60 - 130			04/07/26 09:29	04/07/26 21:24	1

Lab Sample ID: LCS 570-720612/2-A
Matrix: Water
Analysis Batch: 720996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720612

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
C10-C28	1600	1640		ug/L		102	56 - 127
Surrogate	LCS LCS		Limits			%Rec	
	%Recovery	Qualifier					
<i>n-Octacosane (Surr)</i>	115		60 - 130				

Lab Sample ID: LCSD 570-720612/3-A
Matrix: Water
Analysis Batch: 720996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 720612

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
C10-C28	1600	1590		ug/L		99	56 - 127	3	23
Surrogate	LCSD LCSD		Limits			%Rec			
	%Recovery	Qualifier							
<i>n-Octacosane (Surr)</i>	111		60 - 130						

Lab Sample ID: MRL 570-720612/4-A
Matrix: Water
Analysis Batch: 720996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720612

Analyte	Spike Added	MRL MRL		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
C10-C28	0.0200	0.0332	^3+	mg/L		166	50 - 150
Surrogate	MRL MRL		Limits			%Rec	
	%Recovery	Qualifier					
<i>n-Octacosane (Surr)</i>	110		60 - 130				

QC Association Summary

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

GC/MS Semi VOA

Prep Batch: 216982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204928-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	525.2	
MB 380-216982/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-216982/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-216982/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-204099-BN-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-204125-AU-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 217165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204928-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	525.2	216982
MB 380-216982/21-A	Method Blank	Total/NA	Water	525.2	216982
LCS 380-216982/23-A	Lab Control Sample	Total/NA	Water	525.2	216982
MRL 380-216982/22-A	Lab Control Sample	Total/NA	Water	525.2	216982
380-204125-AU-1-A DU	Duplicate	Total/NA	Water	525.2	216982

Analysis Batch: 217431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204099-BN-1-A MS	Matrix Spike	Total/NA	Water	525.2	216982

Prep Batch: 715689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204928-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1	
MB 570-715689/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-715689/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-715689/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 718659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204928-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1 SIM	715689
MB 570-715689/1-A	Method Blank	Total/NA	Water	625.1 SIM	715689
LCS 570-715689/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	715689
LCSD 570-715689/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	715689

Analysis Batch: 719742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204928-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	625.1	715689
MB 570-715689/1-A	Method Blank	Total/NA	Water	625.1	715689

GC VOA

Analysis Batch: 720590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204928-1	HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B GRO LL	
380-204928-2	TB: HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B GRO LL	
MB 570-720590/8	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-720590/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-720590/6	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-720590/9	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-205433-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-205433-B-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: 380-204928-1
 SDG: Weekly: Halawa Shaft Viewing Pool

GC Semi VOA

Prep Batch: 715739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204928-1 - RA	HALAWA SHAFT VIEWING POOL	Total/NA	Water	3510C	
MB 570-715739/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-715739/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-715739/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-715739/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-204658-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-204658-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 718519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-715739/1-A	Method Blank	Total/NA	Water	8015B	715739
LCS 570-715739/2-A	Lab Control Sample	Total/NA	Water	8015B	715739
LCSD 570-715739/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	715739
MRL 570-715739/4-A	Lab Control Sample	Total/NA	Water	8015B	715739
380-204658-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	715739
380-204658-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	715739

Analysis Batch: 719836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204928-1 - RA	HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B	715739
MRL 570-715739/4-A	Lab Control Sample	Total/NA	Water	8015B	715739

Prep Batch: 720612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204928-1 - RE	HALAWA SHAFT VIEWING POOL	Total/NA	Water	3510C	
MB 570-720612/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-720612/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-720612/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-720612/4-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 720996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-204928-1 - RE	HALAWA SHAFT VIEWING POOL	Total/NA	Water	8015B	720612
MB 570-720612/1-A	Method Blank	Total/NA	Water	8015B	720612
LCS 570-720612/2-A	Lab Control Sample	Total/NA	Water	8015B	720612
LCSD 570-720612/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	720612
MRL 570-720612/4-A	Lab Control Sample	Total/NA	Water	8015B	720612

Lab Chronicle

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

Job ID: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-204928-1

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/26/26 09:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			216982	IQ42	EA POM	03/31/26 14:31
Total/NA	Analysis	525.2		1	217165	UPAC	EA POM	04/01/26 18:33
Total/NA	Prep	625.1			715689	KLZQ	EET CAL 4	03/27/26 09:04
Total/NA	Analysis	625.1		1	719742	PQS1	EET CAL 4	04/05/26 09:42
Total/NA	Prep	625.1			715689	KLZQ	EET CAL 4	03/27/26 09:04
Total/NA	Analysis	625.1 SIM		1	718659	PQS1	EET CAL 4	04/02/26 18:17
Total/NA	Analysis	8015B GRO LL		1	720590	A9VE	EET CAL 4	04/07/26 14:19
Total/NA	Prep	3510C	RA		715739	EP2G	EET CAL 4	03/27/26 10:35
Total/NA	Analysis	8015B	RA	1	719836	H6FE	EET CAL 4	04/05/26 18:44
Total/NA	Prep	3510C	RE		720612	TVD6	EET CAL 4	04/07/26 09:29
Total/NA	Analysis	8015B	RE	1	720996	TR8L	EET CAL 4	04/07/26 22:50

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-204928-2

Date Collected: 03/24/26 09:30

Matrix: Water

Date Received: 03/26/26 09:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	720590	A9VE	EET CAL 4	04/07/26 14:44

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: 380-204928-1
 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 the governing authority. 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: 380-204928-1
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	04-09-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

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Method Summary

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

Job ID: 380-204928-1
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: 380-204928-1
SDG: Weekly: Halawa Shaft Viewing Pool

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-204928-1	HALAWA SHAFT VIEWING POOL	Water	03/24/26 09:30	03/26/26 09:37	Hawaii
380-204928-2	TB: HALAWA SHAFT VIEWING POOL	Water	03/24/26 09:30	03/26/26 09:37	Hawaii

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

SHIP DATE: 25MAR26
ACTWGT 53.00 LB
CAD 258050552JINET4535
BILL RECIPIENT

58KJ57A55484B

TO **EUROFINS RECEIVING DEPARTMENT**
EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

POMONA CA 91768

REF.

(626) 386-1100

INV.

PO:

DEPT



THU - 26 MAR 10:30A
PRIORITY OVERNIGHT

1 of 3

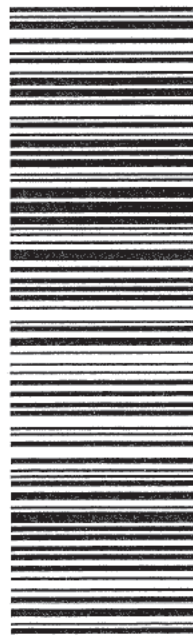
TRK# **8899 8723 7153**

MASTER

91768

WM ONTA

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ORIGIN ID HIKA (808) 748-5840 SHIP DATE: 25MAR26
BWS CHEMLAB ACTWGT 53.00 LB
HONOLULU BOARD OF WATER SUPPLY CAD 258050552/INET4535
630 S BERETANIA ST
CHEMICAL LABORATORY
HONOLULU HI 96843
UNITED STATES US BILL RECIPIENT

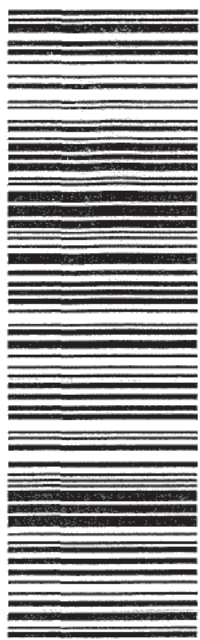
TO EUROFINS RECEIVING DEPARTMENT
EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

58KJ57AES/484B

POMONA CA 91768 REF
(626) 386-1100 INV.
PO. DEPT.



THU - 26 MAR 10:30A
PRIORITY OVERNIGHT
2 of 3
MPS# 8899 8723 7164
Mst# 8899 8723 7153
WM ONTA 91768
CA-US ONT



(631A) 3.1+0.2 33 gpl - frozen
Wentworth Water Treatment 3/26/26 937

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Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-204928-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 204928

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: 380-204928-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 204928
List Number: 2
Creator: Ferreira, Bruno

List Source: Eurofins Calscience
List Creation: 03/26/26 07:03 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	Seal present with no number.
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	2.5
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	

