

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly: Aiea Wells P2

JOB NUMBER

380-222418-1

Eurofins Pomona

Job Notes

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

Compliance Statement

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

Authorization



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Definitions/Glossary

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.
S1-	Surrogate recovery exceeds control limits, low biased.

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: 380-222418-1

Job ID: 380-222418-1

Eurofins Pomona

Job Narrative 380-222418-1

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 7/1/2026 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 3.7°C.

GC/MS Semi VOA

Method 625.1 SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 570-764228 and analytical batch 570-765058.

Method 625.1 SIM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 570-764228 and analytical batch 570-765058 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

625.1 SIM results for AIEA WELLS P2 (260) (331-004-WL103) (380-222418-1) collected on 06/29/26 are a resmple for AIEA WELLS P2 (260) (331-004-WL103) (380-221365-1) collected on 06/22/26

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: The method reporting limit check (MRL) for preparation batch 570-764505 and analytical batch 570-767924 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.

8015_DRO_LL_CS results for AIEA WELLS P2 (260) (331-004-WL103) (380-222418-1) collected on 06/29/26 are a resmple for AIEA WELLS P2 (260) (331-004-WL103) (380-221365-1) collected on 06/22/26

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: 380-222418-1
SDG: Weekly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-222418-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.020		0.0098	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.012		0.0098	ug/L	1		525.2	Total/NA

Client Sample ID: TB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-222418-2

No Detections.

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: 380-222418-1
SDG: Weekly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-222418-1

Date Collected: 06/29/26 11:36

Matrix: Drinking Water

Date Received: 07/01/26 09:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
2,4'-DDD	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
2,4'-DDE	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
2,4'-DDT	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
2-Methylnaphthalene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
4,4'-DDD	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
4,4'-DDE	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
4,4'-DDT	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Acenaphthene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Acenaphthylene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Acetochlor	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Alachlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
alpha-BHC	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
alpha-Chlordane	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Anthracene	<0.020		0.020	ug/L		07/07/26 15:04	07/08/26 16:17	1
Atrazine	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Benz(a)anthracene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Benzo[a]pyrene	<0.020		0.020	ug/L		07/07/26 15:04	07/08/26 16:17	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		07/07/26 15:04	07/08/26 16:17	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		07/07/26 15:04	07/08/26 16:17	1
beta-BHC	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		07/07/26 15:04	07/08/26 16:17	1
Bromacil	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Butachlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Butylbenzylphthalate	<0.49	++	0.49	ug/L		07/07/26 15:04	07/08/26 16:17	1
Chlorobenzilate	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Chloroneb	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Chlorpyrifos	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Chrysene	<0.020		0.020	ug/L		07/07/26 15:04	07/08/26 16:17	1
delta-BHC	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		07/07/26 15:04	07/08/26 16:17	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Dieldrin	0.020		0.0098	ug/L		07/07/26 15:04	07/09/26 16:42	1
Diethylphthalate	<0.49		0.49	ug/L		07/07/26 15:04	07/08/26 16:17	1
Dimethylphthalate	<0.49		0.49	ug/L		07/07/26 15:04	07/08/26 16:17	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		07/07/26 15:04	07/08/26 16:17	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Endosulfan sulfate	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Endrin	<0.0098		0.0098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Endrin aldehyde	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
EPTC	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Fluoranthene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1

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Client Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-222418-1

Date Collected: 06/29/26 11:36

Matrix: Drinking Water

Date Received: 07/01/26 09:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
gamma-Chlordane	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Heptachlor	<0.0098		0.0098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Heptachlor epoxide (isomer B)	0.012		0.0098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Hexachlorobenzene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Isophorone	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Lindane	<0.0098		0.0098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Malathion	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Methoxychlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Metolachlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Molinate	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Naphthalene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Parathion	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Phenanthrene	<0.039		0.039	ug/L		07/07/26 15:04	07/08/26 16:17	1
Propachlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Pyrene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Simazine	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Terbacil	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Terbutylazine	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Thiobencarb	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		07/07/26 15:04	07/08/26 16:17	1
trans-Nonachlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 16:17	1
Trifluralin	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 16:17	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Pentadecane, 7-methyl-	0.64	T J N	ug/L		2.95	6165-40-8	07/07/26 15:04	07/09/26 16:42	1
Undecane	3.7	T J N	ug/L		3.09	1120-21-4	07/07/26 15:04	07/09/26 16:42	1
Cyclohexasiloxane, dodecamethyl-	0.70	T J N	ug/L		3.83	540-97-6	07/07/26 15:04	07/09/26 16:42	1
Phenol, 4-(1,1-dimethylpropyl)-	0.85	T J N	ug/L		4.22	80-46-6	07/07/26 15:04	07/09/26 16:42	1
Unknown	0.49	T J	ug/L		4.47	N/A	07/07/26 15:04	07/09/26 16:42	1
Unknown	0.66	T J	ug/L		4.68	N/A	07/07/26 15:04	07/09/26 16:42	1
n-Hexadecanoic acid	0.69	T J N	ug/L		6.16	57-10-3	07/07/26 15:04	07/09/26 16:42	1
Aldrin	0.015		ug/L		6.35	309-00-2	07/07/26 15:04	07/08/26 16:17	1
9-Octadecenamide, (Z)-	0.60	T J N	ug/L		8.98	301-02-0	07/07/26 15:04	07/09/26 16:42	1
Unknown	0.59	T J	ug/L		9.03	N/A	07/07/26 15:04	07/08/26 16:17	1
13-Docosenamide, (Z)-	15	T J N	ug/L		10.35	112-84-5	07/07/26 15:04	07/09/26 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	98		70 - 130	07/07/26 15:04	07/08/26 16:17	1
2-Nitro-m-xylene	98		70 - 130	07/07/26 15:04	07/09/26 16:42	1
Perylene-d12	72		70 - 130	07/07/26 15:04	07/08/26 16:17	1
Perylene-d12	74		70 - 130	07/07/26 15:04	07/09/26 16:42	1
Triphenylphosphate	105		70 - 130	07/07/26 15:04	07/08/26 16:17	1
Triphenylphosphate	100		70 - 130	07/07/26 15:04	07/09/26 16:42	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-222418-1

Date Collected: 06/29/26 11:36

Matrix: Drinking Water

Date Received: 07/01/26 09:40

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		07/05/26 08:38	07/07/26 10:48	1
2-Methylnaphthalene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Acenaphthene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Acenaphthylene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Anthracene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Benzo[a]anthracene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Benzo[a]pyrene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Chrysene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Fluoranthene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Fluorene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Naphthalene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Phenanthrene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1
Pyrene	<0.19		0.19	ug/L		07/05/26 08:38	07/07/26 10:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	105		28 - 127	07/05/26 08:38	07/07/26 10:48	1
2-Fluorobiphenyl (Surr)	78		31 - 120	07/05/26 08:38	07/07/26 10:48	1
2-Fluorophenol (Surr)	58		17 - 120	07/05/26 08:38	07/07/26 10:48	1
Nitrobenzene-d5 (Surr)	94		27 - 120	07/05/26 08:38	07/07/26 10:48	1
Phenol-d6 (Surr)	35		10 - 120	07/05/26 08:38	07/07/26 10:48	1
p-Terphenyl-d14 (Surr)	73		45 - 120	07/05/26 08:38	07/07/26 10:48	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	07/05/26 08:38	07/09/26 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		33 - 139	07/05/26 08:38	07/09/26 21:10	1
2-Fluorobiphenyl (Surr)	85		33 - 126	07/05/26 08:38	07/09/26 21:10	1
2-Fluorophenol (Surr)	53		12 - 120	07/05/26 08:38	07/09/26 21:10	1
Nitrobenzene-d5 (Surr)	66		36 - 120	07/05/26 08:38	07/09/26 21:10	1
Phenol-d6 (Surr)	32		10 - 120	07/05/26 08:38	07/09/26 21:10	1
p-Terphenyl-d14 (Surr)	78		47 - 131	07/05/26 08:38	07/09/26 21:10	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			07/06/26 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		38 - 134		07/06/26 15:58	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		07/06/26 09:11	07/13/26 10:41	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		07/06/26 09:11	07/13/26 10:41	1

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Client Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-222418-1

Date Collected: 06/29/26 11:36

Matrix: Drinking Water

Date Received: 07/01/26 09:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C8-C18	<26		26	ug/L		07/06/26 09:11	07/13/26 10:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	98		60 - 130	07/06/26 09:11	07/13/26 10:41	1

Client Sample ID: TB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-222418-2

Date Collected: 06/29/26 11:36

Matrix: Water

Date Received: 07/01/26 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			07/06/26 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		38 - 134		07/06/26 14:02	1

Action Limit Summary

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-222418-1

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)	0.012		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: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		2NMX	PRY	TPP					
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)					
380-222418-1	AIEA WELLS P2 (260) (331-004	98	72	105					
380-222418-1	AIEA WELLS P2 (260) (331-004-WL103)	98	74	100					
Surrogate Legend									
2NMX = 2-Nitro-m-xylene									
PRY Perylene d12									
TPP = Triphenylphosphate									

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	2NMX	PRY	TPP				
		(70-130)	(70-130)	(70-130)				
380-222414-I-1-A MS	Matrix Spike	99	99	115				
380-222421-I-1-A DU	Duplicate	100	99	113				
380-222421-I-1-A DU	Duplicate	99	96	101				
LCS 380-238193/23-A	Lab Control Sample	98	98	116				
MB 380-238193/21-A	Method Blank	97	92	110				
MRL 380-238193/22-A	Lab Control Sample	97	97	111				
MRL 380-238193/22-A	Lab Control Sample	98	98	104				
Surrogate Legend								
2NMX = 2-Nitro-m-xylene								
PRY = Perylene-d12								
TPP = Triphenylphosphate								

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

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)		
380-222418-1	AIEA WELLS P2 (260) (331-004	62	85	53	66	32	78		
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 - 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)		
MB 570-764228/1-A	Method Blank	56	84	57	48	33	78		
Surrogate Legend									

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Surrogate Summary

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-222418-1	AIEA WELLS P2 (260) (331-004)	105	78	58	94	35	73

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)
380-222429-A-1-A MS	Matrix Spike	2 S1-	5 S1-	1 S1-	3 S1-	0.9 S1-	7 S1-
380-222429-A-1-B MSD	Matrix Spike Duplicate	96	80	67	78	41	83
LCS 570-764228/2-A	Lab Control Sample	88	82	72	73	50	106
LCSD 570-764228/3-A	Lab Control Sample Dup	79	78	66	70	46	100
MB 570-764228/1-A	Method Blank	84	82	61	83	39	94

Surrogate Legend

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		BFB1 (38-134)					
380-222418-1	AIEA WELLS P2 (260) (331-004)	100					

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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)
380-221326-A-1 MS	Matrix Spike	104
380-221326-A-1 MSD	Matrix Spike Duplicate	102
380-222418-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	98
LCS 570-764480/3	Lab Control Sample	98
LCSD 570-764480/4	Lab Control Sample Dup	101
MB 570 764480/6	Method Blank	100
MRL 570-764480/5	Lab Control Sample	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-222418-1	AIEA WELLS P2 (260) (331-004)	98

Surrogate Legend

OTCSN = n-Octacosane (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)
380-222429-B-1-B MS	Matrix Spike	87
380-222429-B-1-C MSD	Matrix Spike Duplicate	94
LCS 570-764505/2-A	Lab Control Sample	96
LCSD 570-764505/3-A	Lab Control Sample Dup	95
MB 570-764505/1-A	Method Blank	97
MRL 570-764505/4-A	Lab Control Sample	109

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: MB 380-238193/21-A

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 238193

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
2,4'-DDD	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
2,4'-DDE	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
2,4'-DDT	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
2-Methylnaphthalene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
4,4'-DDD	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
4,4'-DDE	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
4,4'-DDT	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Acenaphthene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Acenaphthylene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Acetochlor	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Alachlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
alpha-BHC	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
alpha-Chlordane	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Anthracene	<0.020		0.020	ug/L		07/07/26 15:04	07/08/26 13:21	1
Atrazine	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Benz(a)anthracene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Benzo[a]pyrene	<0.020		0.020	ug/L		07/07/26 15:04	07/08/26 13:21	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		07/07/26 15:04	07/08/26 13:21	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		07/07/26 15:04	07/08/26 13:21	1
beta-BHC	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		07/07/26 15:04	07/08/26 13:21	1
Bromacil	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Butachlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Butylbenzylphthalate	<0.49		0.49	ug/L		07/07/26 15:04	07/08/26 13:21	1
Chlorobenzilate	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Chloroneb	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Chlorpyrifos	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Chrysene	<0.020		0.020	ug/L		07/07/26 15:04	07/08/26 13:21	1
delta-BHC	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		07/07/26 15:04	07/08/26 13:21	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Dieldrin	<0.0098	^3+	0.0098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Diethylphthalate	<0.49		0.49	ug/L		07/07/26 15:04	07/08/26 13:21	1
Dimethylphthalate	<0.49		0.49	ug/L		07/07/26 15:04	07/08/26 13:21	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		07/07/26 15:04	07/08/26 13:21	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Endosulfan sulfate	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Endrin	<0.0098		0.0098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Endrin aldehyde	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
EPTC	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1

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QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: MB 380-238193/21-A

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 238193

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Fluorene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
gamma-Chlordane	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Heptachlor	<0.0098		0.0098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Hexachlorobenzene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Isophorone	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Lindane	<0.0098		0.0098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Malathion	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Methoxychlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Metolachlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Molinate	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Naphthalene	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Parathion	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Phenanthrene	<0.039		0.039	ug/L		07/07/26 15:04	07/08/26 13:21	1
Propachlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Pyrene	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Simazine	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Terbacil	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Terbutylazine	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Thiobencarb	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		07/07/26 15:04	07/08/26 13:21	1
trans-Nonachlor	<0.049		0.049	ug/L		07/07/26 15:04	07/08/26 13:21	1
Trifluralin	<0.098		0.098	ug/L		07/07/26 15:04	07/08/26 13:21	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
9-Octadecenamide, (Z)-	4.58	T J N	ug/L		7.73	301-02-0	07/07/26 15:04	07/08/26 13:21	1
Pentadecanamide, 15-bromo-	0.530	T J N	ug/L		7.82	1000163-86-1	07/07/26 15:04	07/08/26 13:21	1
13-Docosenamide, (Z)-	3.01	T J N	ug/L		10.16	112-84-5	07/07/26 15:04	07/08/26 13:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130	07/07/26 15:04	07/08/26 13:21	1
Perylene-d12	92		70 - 130	07/07/26 15:04	07/08/26 13:21	1
Triphenylphosphate	110		70 - 130	07/07/26 15:04	07/08/26 13:21	1

Lab Sample ID: LCS 380-238193/23-A

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.97	2.00		ug/L		101	70 - 130
2,4'-DDD	1.97	2.12		ug/L		107	70 - 130
2,4'-DDE	1.97	2.20		ug/L		112	70 - 130
2,4'-DDT	1.97	1.98		ug/L		101	70 - 130

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QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: LCS 380-238193/23-A

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	1.97	1.94		ug/L		99	70 - 130
2,6-Dinitrotoluene	1.97	1.93		ug/L		98	70 - 130
2-Methylnaphthalene	1.97	1.98		ug/L		101	70 - 130
4,4'-DDD	1.97	2.09		ug/L		106	70 - 130
4,4'-DDE	1.97	2.17		ug/L		110	70 - 130
4,4'-DDT	1.97	2.12		ug/L		107	70 - 130
Acenaphthene	1.97	2.01		ug/L		102	70 - 130
Acenaphthylene	1.97	1.69		ug/L		86	70 - 130
Acetochlor	1.97	2.05		ug/L		104	70 - 130
Alachlor	1.97	2.11		ug/L		107	70 - 130
alpha-BHC	1.97	2.03		ug/L		103	70 - 130
alpha-Chlordane	1.97	2.15		ug/L		109	70 - 130
Anthracene	1.97	1.69		ug/L		86	70 - 130
Atrazine	1.97	2.13		ug/L		108	70 - 130
Benz(a)anthracene	1.97	2.24		ug/L		114	70 - 130
Benzo[a]pyrene	1.97	2.03		ug/L		103	70 - 130
Benzo[b]fluoranthene	1.97	2.05		ug/L		104	70 - 130
Benzo[g,h,i]perylene	1.97	2.00		ug/L		102	70 - 130
Benzo[k]fluoranthene	1.97	2.22		ug/L		113	70 - 130
beta-BHC	1.97	2.10		ug/L		106	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.04		ug/L		104	70 - 130
Bromacil	1.97	1.96		ug/L		100	70 - 130
Butachlor	1.97	2.15		ug/L		109	70 - 130
Butylbenzylphthalate	1.97	2.58	+	ug/L		131	70 - 130
Chlorobenzilate	1.97	1.97		ug/L		100	70 - 130
Chloroneb	1.97	2.05		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.16		ug/L		110	70 - 130
Chlorpyrifos	1.97	1.99		ug/L		101	70 - 130
Chrysene	1.97	1.96		ug/L		100	70 - 130
delta-BHC	1.97	2.17		ug/L		110	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.40		ug/L		122	70 - 130
Dibenz(a,h)anthracene	1.97	2.04		ug/L		104	70 - 130
Diclorvos (DDVP)	1.97	2.01		ug/L		102	70 - 130
Dieldrin	1.97	2.11		ug/L		107	70 - 130
Diethylphthalate	1.97	2.29		ug/L		116	70 - 130
Dimethylphthalate	1.97	2.20		ug/L		112	70 - 130
Di-n-butyl phthalate	3.94	4.41		ug/L		112	70 - 130
Di-n-octyl phthalate	1.97	1.89		ug/L		96	70 - 130
Endosulfan I (Alpha)	1.97	2.01		ug/L		102	70 - 130
Endosulfan II (Beta)	1.97	2.06		ug/L		104	70 - 130
Endosulfan sulfate	1.97	2.12		ug/L		108	70 - 130
Endrin	1.97	2.11		ug/L		107	70 - 130
Endrin aldehyde	1.97	1.97		ug/L		100	60 - 130
EPTC	1.97	2.12		ug/L		108	70 - 130
Fluoranthene	1.97	2.12		ug/L		108	70 - 130
Fluorene	1.97	1.99		ug/L		101	70 - 130
gamma-Chlordane	1.97	2.04		ug/L		104	70 - 130
Heptachlor	1.97	2.08		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.15		ug/L		109	70 - 130

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QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: LCS 380-238193/23-A

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	1.97	2.15		ug/L		109	70 - 130
Hexachlorocyclopentadiene	1.97	1.95		ug/L		99	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.04		ug/L		104	70 - 130
Isophorone	1.97	2.19		ug/L		111	70 - 130
Lindane	1.97	2.12		ug/L		108	70 - 130
Malathion	1.97	2.10		ug/L		107	70 - 130
Methoxychlor	1.97	2.09		ug/L		106	70 - 130
Metolachlor	1.97	2.10		ug/L		106	70 - 130
Molinate	1.97	2.06		ug/L		105	70 - 130
Naphthalene	1.97	2.00		ug/L		102	70 - 130
Parathion	1.97	2.13		ug/L		108	70 - 130
Pendimethalin (Penoxaline)	1.97	2.13		ug/L		108	70 - 130
Phenanthrene	1.97	2.03		ug/L		103	70 - 130
Propachlor	1.97	2.09		ug/L		106	70 - 130
Pyrene	1.97	2.12		ug/L		107	70 - 130
Simazine	1.97	2.16		ug/L		110	70 - 130
Terbacil	1.97	2.01		ug/L		102	70 - 130
Terbutylazine	1.97	2.17		ug/L		110	70 - 130
Thiobencarb	1.97	2.10		ug/L		107	70 - 130
trans-Nonachlor	1.97	1.91		ug/L		97	70 - 130
Trifluralin	1.97	1.99		ug/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	98		70 - 130
Triphenylphosphate	116		70 - 130

Lab Sample ID: MRL 380-238193/22-A

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0983	0.0952	J	ug/L		97	50 - 150
2,4'-DDD	0.0983	0.0946	J	ug/L		96	50 - 150
2,4'-DDE	0.0983	0.102		ug/L		104	50 - 150
2,4'-DDT	0.0983	0.108		ug/L		110	50 - 150
2,4-Dinitrotoluene	0.0983	0.124		ug/L		126	50 - 150
2,6-Dinitrotoluene	0.0983	0.119		ug/L		121	50 - 150
2-Methylnaphthalene	0.0983	0.0961	J	ug/L		98	50 - 150
4,4'-DDD	0.0983	0.103		ug/L		105	50 - 150
4,4'-DDE	0.0983	0.114		ug/L		116	50 - 150
4,4'-DDT	0.0983	0.136		ug/L		139	50 - 150
Acenaphthene	0.0983	0.0971	J	ug/L		99	50 - 150
Acenaphthylene	0.0983	0.0844	J	ug/L		86	50 - 150
Acetochlor	0.0983	0.106		ug/L		108	50 - 150
Alachlor	0.0491	0.0572		ug/L		116	50 - 150
alpha-BHC	0.0983	0.100		ug/L		102	50 - 150
alpha-Chlordane	0.0246	0.0324	J	ug/L		132	50 - 150

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QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: MRL 380-238193/22-A

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	0.0197	0.0239		ug/L		122	50 - 150
Atrazine	0.0491	0.0623		ug/L		127	50 - 150
Benz(a)anthracene	0.0491	0.0577		ug/L		117	50 - 150
Benzo[a]pyrene	0.0197	0.0247		ug/L		125	50 - 150
Benzo[b]fluoranthene	0.0197	0.0262		ug/L		133	50 - 150
Benzo[g,h,i]perylene	0.0491	0.0492		ug/L		100	50 - 150
Benzo[k]fluoranthene	0.0197	0.0248		ug/L		126	50 - 150
beta-BHC	0.0983	0.112		ug/L		114	50 - 150
Bis(2-ethylhexyl) phthalate	0.590	0.639		ug/L		108	50 - 150
Bromacil	0.0983	0.117		ug/L		119	50 - 150
Butachlor	0.0491	0.0577		ug/L		117	50 - 150
Butylbenzylphthalate	0.491	0.676		ug/L		138	50 - 150
Chlorobenzilate	0.0983	0.0930	J	ug/L		95	50 - 150
Chloroneb	0.0983	0.0968	J	ug/L		99	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0983	0.107		ug/L		109	50 - 150
Chlorpyrifos	0.0491	0.0555		ug/L		113	50 - 150
Chrysene	0.0197	0.0224		ug/L		114	50 - 150
delta-BHC	0.0983	0.102		ug/L		104	50 - 150
Di(2-ethylhexyl)adipate	0.590	0.771		ug/L		131	50 - 150
Dibenz(a,h)anthracene	0.0491	0.0532		ug/L		108	50 - 150
Diclorvos (DDVP)	0.0491	0.0509		ug/L		104	50 - 150
Dieldrin	0.00983	0.0160	^3+	ug/L		163	50 - 150
Diethylphthalate	0.491	0.595		ug/L		121	50 - 150
Dimethylphthalate	0.491	0.549		ug/L		112	50 - 150
Di-n-butyl phthalate	0.491	0.605	J	ug/L		123	49 - 243
Di-n-octyl phthalate	0.0983	0.0991		ug/L		101	50 - 150
Endosulfan I (Alpha)	0.0983	0.0965	J	ug/L		98	50 - 150
Endosulfan II (Beta)	0.0983	0.0957	J	ug/L		97	50 - 150
Endosulfan sulfate	0.0983	0.119		ug/L		121	50 - 150
Endrin	0.00983	0.0131		ug/L		133	50 - 150
Endrin aldehyde	0.0983	0.123		ug/L		125	50 - 150
EPTC	0.0983	0.0946	J	ug/L		96	50 - 150
Fluoranthene	0.0983	0.104		ug/L		106	50 - 150
Fluorene	0.0491	0.0563		ug/L		115	50 - 150
gamma-Chlordane	0.0246	0.0271	J	ug/L		110	50 - 150
Heptachlor	0.00983	0.0119		ug/L		121	50 - 150
Heptachlor epoxide (isomer B)	0.00983	0.0124		ug/L		126	50 - 150
Hexachlorobenzene	0.0491	0.0515		ug/L		105	50 - 150
Hexachlorocyclopentadiene	0.0491	0.0431	J	ug/L		88	50 - 150
Indeno[1,2,3-cd]pyrene	0.0491	0.0506		ug/L		103	50 - 150
Isophorone	0.0983	0.104		ug/L		105	50 - 150
Lindane	0.00983	0.0118		ug/L		120	50 - 150
Malathion	0.0983	0.108		ug/L		110	50 - 150
Methoxychlor	0.0491	0.0626		ug/L		127	50 - 150
Metolachlor	0.0491	0.0547		ug/L		111	50 - 150
Molinate	0.0983	0.112		ug/L		114	50 - 150
Naphthalene	0.0983	0.102		ug/L		104	50 - 150
Parathion	0.0983	0.102		ug/L		103	50 - 150
Pendimethalin (Penoxaline)	0.0983	0.104		ug/L		106	50 - 150

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QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: MRL 380-238193/22-A

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	0.0393	0.0409		ug/L		104	50 - 150
Propachlor	0.0491	0.0621		ug/L		126	50 - 150
Pyrene	0.0491	0.0583		ug/L		119	50 - 150
Simazine	0.0491	0.0615		ug/L		125	50 - 150
Terbacil	0.0983	0.101		ug/L		103	50 - 150
Terbutylazine	0.0983	0.107		ug/L		109	50 - 150
Thiobencarb	0.0983	0.111		ug/L		113	50 - 150
trans-Nonachlor	0.0246	0.0282	J	ug/L		115	50 - 150
Trifluralin	0.0983	0.108		ug/L		110	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	97		70 - 130
Triphenylphosphate	111		70 - 130

Lab Sample ID: MRL 380-238193/22-A

Matrix: Water

Analysis Batch: 238659

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Dieldrin	0.00983	0.0131		ug/L		133	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	98		70 - 130
Triphenylphosphate	104		70 - 130

Lab Sample ID: 380-222414-I-1-A MS

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.098		1.96	2.01		ug/L		103	70 - 130
2,4'-DDD	<0.098		1.96	2.10		ug/L		107	70 - 130
2,4'-DDE	<0.098		1.96	2.24		ug/L		114	70 - 130
2,4'-DDT	<0.098		1.96	2.04		ug/L		104	70 - 130
2,4-Dinitrotoluene	<0.098		1.96	2.12		ug/L		108	70 - 130
2,6-Dinitrotoluene	<0.098		1.96	2.09		ug/L		106	70 - 130
2-Methylnaphthalene	<0.098		1.96	2.01		ug/L		103	70 - 130
4,4'-DDD	<0.098		1.96	2.16		ug/L		110	70 - 130
4,4'-DDE	<0.098		1.96	2.16		ug/L		110	70 - 130
4,4'-DDT	<0.098		1.96	2.13		ug/L		109	70 - 130
Acenaphthene	<0.098		1.96	2.01		ug/L		103	70 - 130
Acenaphthylene	<0.098		1.96	1.87		ug/L		95	70 - 130
Acetochlor	<0.098		1.96	2.13		ug/L		108	70 - 130
Alachlor	<0.049		1.96	2.14		ug/L		109	70 - 130
alpha-BHC	<0.098		1.96	2.13		ug/L		109	70 - 130
alpha-Chlordane	<0.049		1.96	2.18		ug/L		111	70 - 130

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QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: 380-222414-I-1-A MS

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	<0.020		1.96	1.40		ug/L		71	70 - 130
Atrazine	<0.049		1.96	2.19		ug/L		112	70 - 130
Benz(a)anthracene	<0.049		1.96	2.28		ug/L		116	70 - 130
Benzo[a]pyrene	<0.020		1.96	1.95		ug/L		99	70 - 130
Benzo[b]fluoranthene	<0.020		1.96	2.08		ug/L		106	70 - 130
Benzo[g,h,i]perylene	<0.049		1.96	2.03		ug/L		103	70 - 130
Benzo[k]fluoranthene	<0.020		1.96	2.26		ug/L		115	70 - 130
beta-BHC	<0.098		1.96	2.20		ug/L		112	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.96	1.98		ug/L		101	70 - 130
Bromacil	<0.098		1.96	2.16		ug/L		110	70 - 130
Butachlor	<0.049		1.96	2.26		ug/L		115	70 - 130
Butylbenzylphthalate	<0.49	F1 *+	1.96	2.59	F1	ug/L		132	70 - 130
Chlorobenzilate	<0.098		1.96	2.06		ug/L		105	70 - 130
Chloroneb	<0.098		1.96	2.07		ug/L		105	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.96	2.15		ug/L		109	70 - 130
Chlorpyrifos	<0.049		1.96	2.06		ug/L		105	70 - 130
Chrysene	<0.020		1.96	1.99		ug/L		101	70 - 130
delta-BHC	<0.098		1.96	2.12		ug/L		108	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.96	2.41		ug/L		123	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	2.11		ug/L		108	70 - 130
Diclorvos (DDVP)	<0.049		1.96	2.10		ug/L		107	70 - 130
Dieldrin	<0.0098	^3+	1.96	2.09		ug/L		107	70 - 130
Diethylphthalate	<0.49		1.96	2.35		ug/L		120	70 - 130
Dimethylphthalate	<0.49		1.96	2.25		ug/L		115	70 - 130
Di-n-butyl phthalate	<0.98		3.92	4.64		ug/L		118	70 - 130
Di-n-octyl phthalate	<0.098		1.96	1.77		ug/L		90	70 - 130
Endosulfan I (Alpha)	<0.098		1.96	2.03		ug/L		103	70 - 130
Endosulfan II (Beta)	<0.098		1.96	2.10		ug/L		107	70 - 130
Endosulfan sulfate	<0.098		1.96	2.18		ug/L		111	70 - 130
Endrin	<0.0098		1.96	2.19		ug/L		112	70 - 130
Endrin aldehyde	<0.098		1.96	1.77		ug/L		90	60 - 130
EPTC	<0.098		1.96	2.17		ug/L		111	70 - 130
Fluoranthene	<0.098		1.96	2.13		ug/L		109	70 - 130
Fluorene	<0.049		1.96	2.05		ug/L		104	70 - 130
gamma-Chlordane	<0.049		1.96	2.02		ug/L		103	70 - 130
Heptachlor	<0.0098		1.96	2.16		ug/L		110	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.96	2.23		ug/L		114	70 - 130
Hexachlorobenzene	<0.049		1.96	2.20		ug/L		112	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	1.98		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	2.09		ug/L		107	70 - 130
Isophorone	<0.098		1.96	2.29		ug/L		117	70 - 130
Lindane	<0.0098		1.96	2.14		ug/L		109	70 - 130
Malathion	<0.098		1.96	2.19		ug/L		112	70 - 130
Methoxychlor	<0.049		1.96	2.13		ug/L		109	70 - 130
Metolachlor	<0.049		1.96	2.15		ug/L		109	70 - 130
Molinate	<0.098		1.96	2.13		ug/L		109	70 - 130
Naphthalene	<0.098		1.96	2.06		ug/L		105	70 - 130
Parathion	<0.098		1.96	2.23		ug/L		114	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.96	2.28		ug/L		116	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: 380-222414-I-1-A MS

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	<0.039		1.96	2.07		ug/L		105	70 - 130
Propachlor	<0.049		1.96	2.19		ug/L		112	70 - 130
Pyrene	<0.049		1.96	2.15		ug/L		109	70 - 130
Simazine	<0.049		1.96	2.27		ug/L		116	70 - 130
Terbacil	<0.098		1.96	2.20		ug/L		112	70 - 130
Terbutylazine	<0.098		1.96	2.35		ug/L		120	70 - 130
Thiobencarb	<0.098		1.96	2.16		ug/L		110	70 - 130
trans-Nonachlor	<0.049		1.96	1.94		ug/L		99	70 - 130
Trifluralin	<0.098		1.96	2.08		ug/L		106	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	99		70 - 130
Triphenylphosphate	115		70 - 130

Lab Sample ID: 380-222421-I-1-A DU

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
1-Methylnaphthalene	<0.098		<0.098		ug/L		NC	20
2,4'-DDD	<0.098		<0.098		ug/L		NC	20
2,4'-DDE	<0.098		<0.098		ug/L		NC	20
2,4'-DDT	<0.098		<0.098		ug/L		NC	20
2,4-Dinitrotoluene	<0.098		<0.098		ug/L		NC	20
2,6-Dinitrotoluene	<0.098		<0.098		ug/L		NC	20
2-Methylnaphthalene	<0.098		<0.098		ug/L		NC	20
4,4'-DDD	<0.098		<0.098		ug/L		NC	20
4,4'-DDE	<0.098		<0.098		ug/L		NC	20
4,4'-DDT	<0.098		<0.098		ug/L		NC	20
Acenaphthene	<0.098		<0.098		ug/L		NC	20
Acenaphthylene	<0.098		<0.098		ug/L		NC	20
Acetochlor	<0.098		<0.098		ug/L		NC	20
Alachlor	<0.049		<0.049		ug/L		NC	20
alpha-BHC	<0.098		<0.098		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.020		<0.020		ug/L		NC	20
Atrazine	<0.049		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.020		<0.020		ug/L		NC	20
Benzo[b]fluoranthene	<0.020		<0.020		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.020		<0.020		ug/L		NC	20
beta-BHC	<0.098		<0.098		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.59		<0.59		ug/L		NC	20
Bromacil	<0.098		<0.098		ug/L		NC	20
Butachlor	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49	*+	<0.49	*+	ug/L		NC	20

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QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: 380-222421-I-1-A DU

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Chlorobenzilate	<0.098		<0.098		ug/L		NC	20
Chloroneb	<0.098		<0.098		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.098		<0.098		ug/L		NC	20
Chlorpyrifos	<0.049		<0.049		ug/L		NC	20
Chrysene	<0.020		<0.020		ug/L		NC	20
delta-BHC	<0.098		<0.098		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.59		<0.59		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.98		<0.98		ug/L		NC	20
Di-n-octyl phthalate	<0.098		<0.098		ug/L		NC	20
Endosulfan I (Alpha)	<0.098		<0.098		ug/L		NC	20
Endosulfan II (Beta)	<0.098		<0.098		ug/L		NC	20
Endosulfan sulfate	<0.098		<0.098		ug/L		NC	20
Endrin	<0.0098		<0.0098		ug/L		NC	20
Endrin aldehyde	<0.098		<0.098		ug/L		NC	20
EPTC	<0.098		<0.098		ug/L		NC	20
Fluoranthene	<0.098		<0.098		ug/L		NC	20
Fluorene	<0.049		<0.049		ug/L		NC	20
gamma-Chlordane	<0.049		<0.049		ug/L		NC	20
Heptachlor	<0.0098		<0.0098		ug/L		NC	20
Heptachlor epoxide (isomer B)	0.016		0.0169		ug/L		9	20
Hexachlorobenzene	<0.049		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.049		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.049		<0.049		ug/L		NC	20
Isophorone	<0.098		<0.098		ug/L		NC	20
Lindane	<0.0098		<0.0098		ug/L		NC	20
Malathion	<0.098		<0.098		ug/L		NC	20
Methoxychlor	<0.049		<0.049		ug/L		NC	20
Metolachlor	<0.049		<0.049		ug/L		NC	20
Molinate	<0.098		<0.098		ug/L		NC	20
Naphthalene	<0.098		<0.098		ug/L		NC	20
Parathion	<0.098		<0.098		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.098		<0.098		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.049		<0.049		ug/L		NC	20
Pyrene	<0.049		<0.049		ug/L		NC	20
Simazine	<0.049		<0.049		ug/L		NC	20
Terbacil	<0.098		<0.098		ug/L		NC	20
Terbutylazine	<0.098		<0.098		ug/L		NC	20
Thiobencarb	<0.098		<0.098		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.20		<0.20		ug/L		NC	20
trans-Nonachlor	<0.049		<0.049		ug/L		NC	20
Trifluralin	<0.098		<0.098		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: 380-222421-I-1-A DU

Matrix: Water

Analysis Batch: 238314

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 238193

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
2-Nitro-m-xylene	100		70 - 130
Perylene-d12	99		70 - 130
Triphenylphosphate	113		70 - 130

Lab Sample ID: 380-222421-I-1-A DU

Matrix: Water

Analysis Batch: 238659

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 238193

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Dieldrin	0.078		0.0720		ug/L		8	20

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	96		70 - 130
Triphenylphosphate	101		70 - 130

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

Lab Sample ID: MB 570-764228/1-A

Matrix: Water

Analysis Batch: 766469

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 764228

	MB	MB							
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	07/05/26 08:38	07/09/26 15:07	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		33 - 139				07/05/26 08:38	07/09/26 15:07	1
2-Fluorobiphenyl (Surr)	84		33 - 126				07/05/26 08:38	07/09/26 15:07	1
2-Fluorophenol (Surr)	57		12 - 120				07/05/26 08:38	07/09/26 15:07	1
Nitrobenzene-d5 (Surr)	48		36 - 120				07/05/26 08:38	07/09/26 15:07	1
Phenol-d6 (Surr)	33		10 - 120				07/05/26 08:38	07/09/26 15:07	1
p-Terphenyl-d14 (Surr)	78		47 - 131				07/05/26 08:38	07/09/26 15:07	1

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

Lab Sample ID: MB 570-764228/1-A

Matrix: Water

Analysis Batch: 764714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 764228

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
2-Methylnaphthalene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Acenaphthene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Acenaphthylene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Anthracene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Benzo[a]anthracene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Benzo[a]pyrene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1

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QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: MB 570-764228/1-A

Matrix: Water

Analysis Batch: 764714

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 764228

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Chrysene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Fluoranthene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Fluorene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Naphthalene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Phenanthrene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1
Pyrene	<0.20		0.20	ug/L		07/05/26 08:38	07/06/26 22:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		28 - 127	07/05/26 08:38	07/06/26 22:52	1
2-Fluorobiphenyl (Surr)	82		31 - 120	07/05/26 08:38	07/06/26 22:52	1
2-Fluorophenol (Surr)	61		17 - 120	07/05/26 08:38	07/06/26 22:52	1
Nitrobenzene-d5 (Surr)	83		27 - 120	07/05/26 08:38	07/06/26 22:52	1
Phenol-d6 (Surr)	39		10 - 120	07/05/26 08:38	07/06/26 22:52	1
p-Terphenyl-d14 (Surr)	94		45 - 120	07/05/26 08:38	07/06/26 22:52	1

Lab Sample ID: LCS 570-764228/2-A

Matrix: Water

Analysis Batch: 764714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 764228

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	15.7		ug/L		79	47 - 120
2-Methylnaphthalene	20.0	14.5		ug/L		72	43 - 120
Acenaphthene	20.0	16.9		ug/L		85	60 - 132
Acenaphthylene	20.0	17.1		ug/L		85	54 - 126
Anthracene	20.0	17.3		ug/L		86	43 - 120
Benzo[a]anthracene	20.0	18.0		ug/L		90	42 - 133
Benzo[a]pyrene	20.0	15.3		ug/L		77	32 - 148
Benzo[b]fluoranthene	20.0	15.6		ug/L		78	42 - 140
Benzo[g,h,i]perylene	20.0	16.3		ug/L		81	1 - 195
Benzo[k]fluoranthene	20.0	15.7		ug/L		79	25 - 146
Chrysene	20.0	17.6		ug/L		88	44 - 140
Dibenz(a,h)anthracene	20.0	17.8		ug/L		89	1 - 200
Fluoranthene	20.0	16.7		ug/L		84	43 - 121
Fluorene	20.0	17.2		ug/L		86	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	17.2		ug/L		86	1 - 151
Naphthalene	20.0	13.5		ug/L		67	36 - 120
Phenanthrene	20.0	16.7		ug/L		83	65 - 120
Pyrene	20.0	20.7		ug/L		104	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	88		28 - 127
2-Fluorobiphenyl (Surr)	82		31 - 120
2-Fluorophenol (Surr)	72		17 - 120
Nitrobenzene-d5 (Surr)	73		27 - 120

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QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: LCS 570-764228/2-A

Matrix: Water

Analysis Batch: 764714

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 764228

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d6 (Surr)	50		10 - 120
p-Terphenyl-d14 (Surr)	106		45 - 120

Lab Sample ID: LCSD 570-764228/3-A

Matrix: Water

Analysis Batch: 764714

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 764228

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	15.2		ug/L		76	47 - 120	4	20
2-Methylnaphthalene	20.0	14.0		ug/L		70	43 - 120	4	20
Acenaphthene	20.0	15.9		ug/L		80	60 - 132	6	29
Acenaphthylene	20.0	16.1		ug/L		81	54 - 126	6	45
Anthracene	20.0	16.1		ug/L		81	43 - 120	7	40
Benzo[a]anthracene	20.0	16.8		ug/L		84	42 - 133	6	32
Benzo[a]pyrene	20.0	14.8		ug/L		74	32 - 148	4	43
Benzo[b]fluoranthene	20.0	14.9		ug/L		75	42 - 140	5	43
Benzo[g,h,i]perylene	20.0	15.3		ug/L		77	1 - 195	6	61
Benzo[k]fluoranthene	20.0	14.9		ug/L		75	25 - 146	5	38
Chrysene	20.0	16.3		ug/L		81	44 - 140	8	53
Dibenz(a,h)anthracene	20.0	16.5		ug/L		82	1 - 200	8	75
Fluoranthene	20.0	15.4		ug/L		77	43 - 121	8	40
Fluorene	20.0	16.3		ug/L		81	70 - 120	6	23
Indeno[1,2,3-cd]pyrene	20.0	15.8		ug/L		79	1 - 151	8	60
Naphthalene	20.0	13.1		ug/L		66	36 - 120	2	39
Phenanthrene	20.0	15.6		ug/L		78	65 - 120	7	24
Pyrene	20.0	19.4		ug/L		97	70 - 120	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	79		28 - 127
2-Fluorobiphenyl (Surr)	78		31 - 120
2-Fluorophenol (Surr)	66		17 - 120
Nitrobenzene-d5 (Surr)	70		27 - 120
Phenol-d6 (Surr)	46		10 - 120
p-Terphenyl-d14 (Surr)	100		45 - 120

Lab Sample ID: 380-222429-A-1-A MS

Matrix: Water

Analysis Batch: 765058

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 764228

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19	F1 F2	19.5	0.788	F1	ug/L		4	36 - 120
2-Methylnaphthalene	<0.19	F1 F2	19.5	0.740	F1	ug/L		4	32 - 124
Acenaphthene	<0.19	F1 F2	19.5	0.905	F1	ug/L		5	47 - 145
Acenaphthylene	<0.19	F1 F2	19.5	0.786	F1	ug/L		4	33 - 145
Anthracene	<0.19	F1 F2	19.5	1.28	F1	ug/L		7	27 - 133
Benzo[a]anthracene	<0.19	F1 F2	19.5	1.40	F1	ug/L		7	33 - 143
Benzo[a]pyrene	<0.19	F1 F2	19.5	1.49	F1	ug/L		8	17 - 163
Benzo[b]fluoranthene	<0.19	F1 F2	19.5	1.36	F1	ug/L		7	24 - 159

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QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: 380-222429-A-1-A MS

Matrix: Water

Analysis Batch: 765058

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 764228

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	<0.19	F2	19.5	1.23		ug/L		6	1 - 219
Benzo[k]fluoranthene	<0.19	F1 F2	19.5	1.46	F1	ug/L		7	11 - 162
Chrysene	<0.19	F1 F2	19.5	1.37	F1	ug/L		7	17 - 168
Dibenz(a,h)anthracene	<0.19	F2	19.5	1.37		ug/L		7	1 - 227
Fluoranthene	<0.19	F1 F2	19.5	1.41	F1	ug/L		7	26 - 137
Fluorene	<0.19	F1 F2	19.5	1.09	F1	ug/L		6	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19	F2	19.5	1.33		ug/L		7	1 - 171
Naphthalene	<0.19	F1 F2	19.5	0.601	F1	ug/L		3	21 - 133
Phenanthrene	<0.19	F1 F2	19.5	1.18	F1	ug/L		6	54 - 120
Pyrene	<0.19	F1 F2	19.5	1.39	F1	ug/L		7	52 - 120

Surrogate	MS %Recovery	MS Qualifier	MS Limits
2,4,6-Tribromophenol (Surr)	2	S1-	28 - 127
2-Fluorobiphenyl (Surr)	5	S1-	31 - 120
2-Fluorophenol (Surr)	1	S1-	17 - 120
Nitrobenzene-d5 (Surr)	3	S1-	27 - 120
Phenol-d6 (Surr)	0.9	S1-	10 - 120
p-Terphenyl-d14 (Surr)	7	S1-	45 - 120

Lab Sample ID: 380-222429-A-1-B MSD

Matrix: Water

Analysis Batch: 765058

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 764228

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19	F1 F2	19.2	13.8	F2	ug/L		72	36 - 120	178	30
2-Methylnaphthalene	<0.19	F1 F2	19.2	12.8	F2	ug/L		67	32 - 124	178	30
Acenaphthene	<0.19	F1 F2	19.2	15.7	F2	ug/L		82	47 - 145	178	48
Acenaphthylene	<0.19	F1 F2	19.2	15.6	F2	ug/L		81	33 - 145	181	74
Anthracene	<0.19	F1 F2	19.2	15.4	F2	ug/L		80	27 - 133	169	66
Benzo[a]anthracene	<0.19	F1 F2	19.2	16.5	F2	ug/L		86	33 - 143	169	53
Benzo[a]pyrene	<0.19	F1 F2	19.2	18.3	F2	ug/L		95	17 - 163	170	72
Benzo[b]fluoranthene	<0.19	F1 F2	19.2	17.2	F2	ug/L		89	24 - 159	171	71
Benzo[g,h,i]perylene	<0.19	F2	19.2	14.7	F2	ug/L		77	1 - 219	169	97
Benzo[k]fluoranthene	<0.19	F1 F2	19.2	16.2	F2	ug/L		84	11 - 162	167	63
Chrysene	<0.19	F1 F2	19.2	16.2	F2	ug/L		84	17 - 168	169	87
Dibenz(a,h)anthracene	<0.19	F2	19.2	15.9	F2	ug/L		83	1 - 227	168	126
Fluoranthene	<0.19	F1 F2	19.2	16.0	F2	ug/L		83	26 - 137	168	66
Fluorene	<0.19	F1 F2	19.2	16.7	F2	ug/L		87	59 - 121	176	38
Indeno[1,2,3-cd]pyrene	<0.19	F2	19.2	15.6	F2	ug/L		81	1 - 171	169	99
Naphthalene	<0.19	F1 F2	19.2	12.7	F2	ug/L		66	21 - 133	182	65
Phenanthrene	<0.19	F1 F2	19.2	15.7	F2	ug/L		82	54 - 120	172	39
Pyrene	<0.19	F1 F2	19.2	16.8	F2	ug/L		87	52 - 120	169	49

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
2,4,6-Tribromophenol (Surr)	96		28 - 127
2-Fluorobiphenyl (Surr)	80		31 - 120
2-Fluorophenol (Surr)	67		17 - 120
Nitrobenzene-d5 (Surr)	78		27 - 120

Eurofins Pomona

QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: 380-222429-A-1-B MSD

Matrix: Water

Analysis Batch: 765058

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 764228

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Phenol-d6 (Surr)	41		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

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

Lab Sample ID: MB 570-764480/6

Matrix: Water

Analysis Batch: 764480

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	Result	Qualifier		ug/L			07/06/26 11:44	1
	<10		10					
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	%Recovery	Qualifier	38 - 134		07/06/26 11:44	1		
	100							

Lab Sample ID: LCS 570-764480/3

Matrix: Water

Analysis Batch: 764480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	
Gasoline Range Organics (C4-C13)	Added	Result	Qualifier	ug/L		97	Limits	
	400	387					78 - 120	
Surrogate	LCS	LCS	Limits					
4-Bromofluorobenzene (Surr)	%Recovery	Qualifier	38 - 134					
	98							

Lab Sample ID: LCSD 570-764480/4

Matrix: Water

Analysis Batch: 764480

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
Gasoline Range Organics (C4-C13)	Added	Result	Qualifier	ug/L		93	Limits	4	Limit
	400	371					78 - 120		10
Surrogate	LCSD	LCSD	Limits						
4-Bromofluorobenzene (Surr)	%Recovery	Qualifier	38 - 134						
	101								

Lab Sample ID: MRL 570-764480/5

Matrix: Water

Analysis Batch: 764480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec	
Gasoline Range Organics (C4-C13)	Added	Result	Qualifier	ug/L		130	Limits	
	10.0	13.0					50 - 150	
Surrogate	MRL	MRL	Limits					
4-Bromofluorobenzene (Surr)	%Recovery	Qualifier	38 - 134					
	100							

Eurofins Pomona

QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: 380-221326-A-1 MS

Matrix: Water

Analysis Batch: 764480

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	369		ug/L		92	68 - 122		
Surrogate	MS %Recovery	MS Qualifier	MS Limits								
4-Bromofluorobenzene (Surr)	104		38 - 134								

Lab Sample ID: 380-221326-A-1 MSD

Matrix: Water

Analysis Batch: 764480

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 Limits
Gasoline Range Organics (C4-C13)	<10		400	380		ug/L	-	95	68 - 122	3	18
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	102		38 - 134								

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

Lab Sample ID: MB 570-764505/1-A

Matrix: Water

Analysis Batch: 767813

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 764505

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (C10-C24)	<25		25	ug/L		07/06/26 09:11	07/12/26 22:36	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		07/06/26 09:11	07/12/26 22:36	1
C8-C18	<25		25	ug/L		07/06/26 09:11	07/12/26 22:36	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
n-Octacosane (Surr)	97		60 - 130			07/06/26 09:11	07/12/26 22:36	1

Lab Sample ID: LCS 570-764505/2-A

Matrix: Water

Analysis Batch: 767813

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 764505

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
C10-C28			1600	1510		ug/L		94	56 - 127		
			LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits								
n-Octacosane (Surr)	96		60 - 130								

Lab Sample ID: LCSD 570-764505/3-A

Matrix: Water

Analysis Batch: 767813

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 764505

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1480		ug/L		92	56 - 127	2	23

Eurofins Pomona

QC Sample Results

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: LCSD 570-764505/3-A

Matrix: Water

Analysis Batch: 767813

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 764505

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
n-Octacosane (Surr)	95		60 - 130

Lab Sample ID: MRL 570-764505/4-A

Matrix: Water

Analysis Batch: 767924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 764505

	Spike	MRL	MRL						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
C10-C28	0.0200	0.0320	^3+	mg/L		160	50 - 150			
Surrogate	%Recovery	MRL	Qualifier	Limits						
n-Octacosane (Surr)	109			60 - 130						

Lab Sample ID: 380-222429-B-1-B MS

Matrix: Water

Analysis Batch: 767813

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 764505

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
C10-C28	<25	^3+	1640	1490		ug/L		91	70 - 130	
Surrogate	%Recovery	MS	Qualifier	Limits						
n-Octacosane (Surr)	87			60 - 130						

Lab Sample ID: 380-222429-B-1-C MSD

Matrix: Water

Analysis Batch: 767813

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 764505

	Sample	Sample	Spike	MSD	MSD				%Rec	RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C10-C28	<25	^3+	1660	1620		ug/L		98	70 - 130	9	20
Surrogate	%Recovery	MSD	Qualifier	Limits							
n-Octacosane (Surr)	94			60 - 130							

QC Association Summary

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

GC/MS Semi VOA

Prep Batch: 238193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-222418-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	525.2	
MB 380-238193/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-238193/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-238193/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-222414-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-222421-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 238314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-222418-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	525.2	238193
MB 380-238193/21-A	Method Blank	Total/NA	Water	525.2	238193
LCS 380-238193/23-A	Lab Control Sample	Total/NA	Water	525.2	238193
MRL 380-238193/22-A	Lab Control Sample	Total/NA	Water	525.2	238193
380-222414-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	238193
380-222421-I-1-A DU	Duplicate	Total/NA	Water	525.2	238193

Analysis Batch: 238659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-222418-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	525.2	238193
MRL 380-238193/22-A	Lab Control Sample	Total/NA	Water	525.2	238193
380-222421-I-1-A DU	Duplicate	Total/NA	Water	525.2	238193

Prep Batch: 764228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-222418-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	625.1	
MB 570-764228/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-764228/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-764228/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-222429-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-222429-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 764714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-764228/1-A	Method Blank	Total/NA	Water	625.1 SIM	764228
LCS 570-764228/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	764228
LCSD 570-764228/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	764228

Analysis Batch: 765058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-222418-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	625.1 SIM	764228
380-222429-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	764228
380-222429-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	764228

Analysis Batch: 766469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-222418-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	625.1	764228
MB 570-764228/1-A	Method Blank	Total/NA	Water	625.1	764228

Eurofins Pomona

QC Association Summary

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

GC VOA

Analysis Batch: 764480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-222418-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	8015B GRO LL	
380-222418-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	8015B GRO LL	
MB 570-764480/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-764480/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-764480/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-764480/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-221326-A-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-221326-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 764505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-222418-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	3510C	
MB 570-764505/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-764505/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-764505/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-764505/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-222429-B-1-B MS	Matrix Spike	Total/NA	Water	3510C	
380-222429-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 767813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-764505/1-A	Method Blank	Total/NA	Water	8015B	764505
LCS 570-764505/2-A	Lab Control Sample	Total/NA	Water	8015B	764505
LCSD 570-764505/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	764505
380-222429-B-1-B MS	Matrix Spike	Total/NA	Water	8015B	764505
380-222429-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	764505

Analysis Batch: 767924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-222418-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	8015B	764505
MRL 570-764505/4-A	Lab Control Sample	Total/NA	Water	8015B	764505

Lab Chronicle

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-222418-1

Date Collected: 06/29/26 11:36

Matrix: Drinking Water

Date Received: 07/01/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			238193	IQ42	EA POM	07/07/26 15:04
Total/NA	Analysis	525.2		1	238314	UPAC	EA POM	07/08/26 16:17
Total/NA	Prep	525.2			238193	IQ42	EA POM	07/07/26 15:04
Total/NA	Analysis	525.2		1	238659	UPAC	EA POM	07/09/26 16:42
Total/NA	Prep	625.1			764228	KLZQ	EET CAL 4	07/05/26 08:38
Total/NA	Analysis	625.1		1	766469	UX77	EET CAL 4	07/09/26 21:10
Total/NA	Prep	625.1			764228	KLZQ	EET CAL 4	07/05/26 08:38
Total/NA	Analysis	625.1 SIM		1	765058	PQS1	EET CAL 4	07/07/26 10:48
Total/NA	Analysis	8015B GRO LL		1	764480	A9VE	EET CAL 4	07/06/26 15:58
Total/NA	Prep	3510C			764505	TVD6	EET CAL 4	07/06/26 09:11
Total/NA	Analysis	8015B		1	767924	NR	EET CAL 4	07/13/26 10:41

Client Sample ID: TB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-222418-2

Date Collected: 06/29/26 11:36

Matrix: Water

Date Received: 07/01/26 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	764480	A9VE	EET CAL 4	07/06/26 14:02

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: 380-222418-1
SDG: Weekly: Aiea Wells P2

Laboratory: Eurofins Pomona

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-26 *
The following analytes are included in this report, but the laboratory is not certified by Hawaii State CA00006. This list may include analytes for which the agency does not offer certification:			
Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Drinking Water	1-Methylnaphthalene
525.2	525.2	Drinking Water	2,4'-DDD
525.2	525.2	Drinking Water	2,4'-DDE
525.2	525.2	Drinking Water	2,4'-DDT
525.2	525.2	Drinking Water	2,4-Dinitrotoluene
525.2	525.2	Drinking Water	2,6-Dinitrotoluene
525.2	525.2	Drinking Water	2-Methylnaphthalene
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	4,4'-DDE
525.2	525.2	Drinking Water	4,4'-DDT
525.2	525.2	Drinking Water	Acetochlor
525.2	525.2	Drinking Water	alpha-BHC
525.2	525.2	Drinking Water	alpha-Chlordane
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Chlorobenzilate
525.2	525.2	Drinking Water	Chloroneb
525.2	525.2	Drinking Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Drinking Water	Chlorpyrifos
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbuthylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking Water	trans-Nonachlor

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-27
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Pomona

Accreditation/Certification Summary

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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
Texas	NELAP	T104704499	07-31-27
USDA	US Federal Programs	525-23-159-97150	09-30-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-222418-1
SDG: Weekly: Aiea Wells P2

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: 380-222418-1
SDG: Weekly: Aiea Wells P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-222418-1	AIEA WELLS P2 (260) (331-004-WL103)	Drinking Water	06/29/26 11:36	07/01/26 09:40	Hawaii
380-222418-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	Water	06/29/26 11:36	07/01/26 09:40	Hawaii

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- 15
- 16

Chain of Custody Record



Environment Testing

Client Information		Sampler: bailey		Lab PM: Lopez, Maria		Carrier Tracking No(s):		COC No:	
Client Contact: Kirk Iwamoto		Phone: +1 808 748 5840		E-Mail: Maria.Lopez@eurofins.com		State of Origin:		Page: Page 1 of 1	
Company: City & County of Honolulu		PWSID:		Due Date Requested:		Analysis Requested		Job #:	
Address: 630 South Beretania Street Chemistry Lab		TAT Requested (days):		Compliance Project: Δ Yes Δ No		Perform MS/MSD (Yes or No)		Preservation Codes: R - NaThioSO4 RA - NaThioHCl Q - Na2SO3 QA - Na2SO3HCl Y - Trizma I - NH4 Acetate	
City: Honolulu		State, Zip: HI, 96843		PO #: C20525101 exp 05312023		Field Filtered Sample (Yes or No)		Other: 380-222418 COC	
Phone: 808-748-5840 (Tel)		Email: kiwamoto@hbws.org		Project #: 38001111		R 2 3 1 2		Total Number of containers	
Site: Hawaii		SSOW#:		Sample Date: 29-Jun-2026		Sample Time: 1136		Sample Type (C=Comp, G=grab) G	
Sample Identification		Sample Date: 29-Jun-2026		Sample Time: 1136		Matrix (Water, Seawater, Urine, etc.) Water		Preservation Code: G	
Aiea Wells P2 (260) (331-004-WL103)		29-Jun-2026		1136		Water		533 - All Analytes	
Aiea Wells P2 (260) (331-004-WL103) (Matrix Spike)		29-Jun-2026		1136		Water		537.1, DW, PREC - 637 1 Full Lit	
Aiea Wells P2 (260) (331-004-WL103) (Matrix Spike Duplicate)		29-Jun-2026		1136		Water		535.2, PREC - (MOD) 526plus Plus TICs	
TB: Aiea Wells P2 (260) (331-004-WL103)		29-Jun-2026		1136		Water		535.2, PREC - (MOD) 526plus Plus TICs	
Possible Hazard Identification		Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐		Deliverable Requested I, II, III, IV, Other (specify)		Special Instructions/Note:		Special Instructions/Note:	
Empty Kit Relinquished by:		Date: 30 Jun 2026		Time: 1400		Received by: Maria Lopez		Date/Time: 7/1/26 9:40	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: (31A) 3.7-10.0-3.7		Date/Time: 7/1/26 9:40		Company: Eurofins	

[illegible]

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-222418-1
SDG Number: Weekly: Aiea Wells P2

Login Number: 222418

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Pomona

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

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-222418-1
SDG Number: Weekly: Aiea Wells P2

Login Number: 222418

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 07/02/26 11:22 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	