

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly: Aiea Gulch Wells Pump 1/Pump 2
RUSH Weekly Red Hill

JOB NUMBER

380-164500-1

Eurofins Eaton Analytical 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 Eaton Analytical, 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: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

Glossary

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

Case Narrative

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

Job ID: 380-164500-1

Job ID: 380-164500-1

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Job Narrative 380-164500-1

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 8/6/2025 9:34 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 0.7°C and 1.6°C.

GC/MS Semi VOA

Method 625.1: Surrogate recovery for the following sample was outside acceptance limits: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-164500-1). The results have been reported per client/PM request.

Method 625.1_SIM: The matrix spike duplicate (MSD) recoveries for preparation batch 570-609628 and analytical batch 570-610847 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 625.1_SIM: Surrogate recovery for the following sample was outside acceptance limits: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-164500-1). The results have been reported per client/PM request.

625.1 and 625.1 SIM results by 533 for : AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-164500-1) collected on 08/04/25 are not acceptable for compliance reporting due to QC failures of surrogate in the 625.1 analysis. The sample is collected weekly thus follow up sample was collected on 08/11/25 under job # 165930-1. Analysis by EPA 625.1 is currently in progress. (XWB4)

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

Gasoline Range Organics

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

Diesel Range Organics

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

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Detection Summary

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)
PWSID Number: HI0000331

Lab Sample ID: 380-164500-1

☐ No Detections.

Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)
PWSID Number: HI0000331

Lab Sample ID: 380-164500-2

☐ No Detections.

Client Sample ID: TB:AIEA GULCH WELLS PUMP 1
(331-201-TP071)

Lab Sample ID: 380-164500-3

☐ No Detections.

Client Sample ID: TB:AIEA GULCH WELLS PUMP 2
(331-202-TP072)

Lab Sample ID: 380-164500-4

☐ 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: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-164500-1

Date Collected: 08/04/25 10:42

Matrix: Drinking Water

Date Received: 08/06/25 09:34

PWSID Number: HI0000331

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		08/07/25 09:12	08/08/25 13:28	1
2,4'-DDD	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
2,4'-DDE	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
2,4'-DDT	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
2-Methylnaphthalene	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
4,4'-DDD	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
4,4'-DDE	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
4,4'-DDT	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Acenaphthene	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Acenaphthylene	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Acetochlor	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Alachlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
alpha-BHC	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
alpha-Chlordane	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Anthracene	<0.020		0.020	ug/L		08/07/25 09:12	08/08/25 13:28	1
Atrazine	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Benz(a)anthracene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Benzo[a]pyrene	<0.020		0.020	ug/L		08/07/25 09:12	08/08/25 13:28	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		08/07/25 09:12	08/08/25 13:28	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		08/07/25 09:12	08/08/25 13:28	1
beta-BHC	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		08/07/25 09:12	08/08/25 13:28	1
Bromacil	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Butachlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Butylbenzylphthalate	<0.49		0.49	ug/L		08/07/25 09:12	08/08/25 13:28	1
Chlorobenzilate	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Chloroneb	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Chlorpyrifos	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Chrysene	<0.020		0.020	ug/L		08/07/25 09:12	08/08/25 13:28	1
delta-BHC	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		08/07/25 09:12	08/08/25 13:28	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Dieldrin	<0.0098		0.0098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Diethylphthalate	<0.49		0.49	ug/L		08/07/25 09:12	08/08/25 13:28	1
Dimethylphthalate	<0.49		0.49	ug/L		08/07/25 09:12	08/08/25 13:28	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		08/07/25 09:12	08/08/25 13:28	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Endosulfan sulfate	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Endrin	<0.0098		0.0098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Endrin aldehyde	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
EPTC	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1

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Client Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-164500-1

Date Collected: 08/04/25 10:42

Matrix: Drinking Water

Date Received: 08/06/25 09:34

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Fluorene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
gamma-Chlordane	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Heptachlor	<0.0098		0.0098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Hexachlorobenzene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Isophorone	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Lindane	<0.0098		0.0098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Malathion	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Methoxychlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Metolachlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Molinate	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Naphthalene	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Parathion	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Phenanthrene	<0.039		0.039	ug/L		08/07/25 09:12	08/08/25 13:28	1
Propachlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Pyrene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Simazine	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Terbacil	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Terbutylazine	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Thiobencarb	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		08/07/25 09:12	08/08/25 13:28	1
trans-Nonachlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 13:28	1
Trifluralin	<0.098		0.098	ug/L		08/07/25 09:12	08/08/25 13:28	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	08/07/25 09:12	08/08/25 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	102		70 - 130	08/07/25 09:12	08/08/25 13:28	1
Perylene-d12	72		70 - 130	08/07/25 09:12	08/08/25 13:28	1
Triphenylphosphate	102		70 - 130	08/07/25 09:12	08/08/25 13:28	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			08/16/25 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		38 - 134		08/16/25 16:39	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)	<27		27	ug/L		08/11/25 11:43	08/16/25 08:51	1
Motor Oil Range Organics [C24-C36]	<27		27	ug/L		08/11/25 11:43	08/16/25 08:51	1
C8-C18	<27		27	ug/L		08/11/25 11:43	08/16/25 08:51	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)

Lab Sample ID: 380-164500-1

Date Collected: 08/04/25 10:42

Matrix: Drinking Water

Date Received: 08/06/25 09:34

PWSID Number: HI0000331

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	113		60 - 130	08/11/25 11:43	08/16/25 08:51	1

Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)

Lab Sample ID: 380-164500-2

Date Collected: 08/04/25 11:03

Matrix: Drinking Water

Date Received: 08/06/25 09:34

PWSID Number: HI0000331

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		08/11/25 14:05	08/12/25 14:04	1
2,4'-DDD	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
2,4'-DDE	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
2,4'-DDT	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
2-Methylnaphthalene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
4,4'-DDD	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
4,4'-DDE	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
4,4'-DDT	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Acenaphthene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Acenaphthylene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Acetochlor	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Alachlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
alpha-BHC	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
alpha-Chlordane	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Anthracene	<0.020		0.020	ug/L		08/11/25 14:05	08/12/25 14:04	1
Atrazine	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Benz(a)anthracene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Benzo[a]pyrene	<0.020		0.020	ug/L		08/11/25 14:05	08/12/25 14:04	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		08/11/25 14:05	08/12/25 14:04	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		08/11/25 14:05	08/12/25 14:04	1
beta-BHC	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		08/11/25 14:05	08/12/25 14:04	1
Bromacil	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Butachlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Butylbenzylphthalate	<0.49		0.49	ug/L		08/11/25 14:05	08/12/25 14:04	1
Chlorobenzilate	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Chloroneb	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Chlorpyrifos	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Chrysene	<0.020		0.020	ug/L		08/11/25 14:05	08/12/25 14:04	1
delta-BHC	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		08/11/25 14:05	08/12/25 14:04	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Dieldrin	<0.0098		0.0098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Diethylphthalate	<0.49		0.49	ug/L		08/11/25 14:05	08/12/25 14:04	1
Dimethylphthalate	<0.49		0.49	ug/L		08/11/25 14:05	08/12/25 14:04	1

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Client Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-164500-2

Date Collected: 08/04/25 11:03

Matrix: Drinking Water

Date Received: 08/06/25 09:34

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	<0.98		0.98	ug/L		08/11/25 14:05	08/12/25 14:04	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Endosulfan sulfate	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Endrin	<0.0098		0.0098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Endrin aldehyde	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
EPTC	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Fluoranthene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Fluorene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
gamma-Chlordane	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Heptachlor	<0.0098		0.0098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Hexachlorobenzene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Isophorone	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Lindane	<0.0098		0.0098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Malathion	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Methoxychlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Metolachlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Molinate	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Naphthalene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Parathion	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Phenanthrene	<0.039		0.039	ug/L		08/11/25 14:05	08/12/25 14:04	1
Propachlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Pyrene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Simazine	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Terbacil	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Terbutylazine	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Thiobencarb	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		08/11/25 14:05	08/12/25 14:04	1
trans-Nonachlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 14:04	1
Trifluralin	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 14:04	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	08/11/25 14:05	08/12/25 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	95		70 - 130	08/11/25 14:05	08/12/25 14:04	1
Perylene-d12	88		70 - 130	08/11/25 14:05	08/12/25 14:04	1
Triphenylphosphate	103		70 - 130	08/11/25 14:05	08/12/25 14:04	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		08/11/25 05:56	08/14/25 05:44	1
2-Methylnaphthalene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Acenaphthene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1

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Client Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-164500-2

Date Collected: 08/04/25 11:03

Matrix: Drinking Water

Date Received: 08/06/25 09:34

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Anthracene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Benzo[a]anthracene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Benzo[a]pyrene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Chrysene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Fluoranthene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Fluorene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Naphthalene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Phenanthrene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1
Pyrene	<0.19		0.19	ug/L		08/11/25 05:56	08/14/25 05:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		28 - 127	08/11/25 05:56	08/14/25 05:44	1
2-Fluorobiphenyl (Surr)	63		31 - 120	08/11/25 05:56	08/14/25 05:44	1
2-Fluorophenol (Surr)	46		17 - 120	08/11/25 05:56	08/14/25 05:44	1
Nitrobenzene-d5 (Surr)	74		27 - 120	08/11/25 05:56	08/14/25 05:44	1
Phenol-d6 (Surr)	30		10 - 120	08/11/25 05:56	08/14/25 05:44	1
p-Terphenyl-d14 (Surr)	75		45 - 120	08/11/25 05:56	08/14/25 05:44	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
2-Butenal, 3-methyl-	7.8	T J N	ug/L		2.76	107-86-8	08/11/25 05:56	08/14/25 13:17	1
1-Methyl-4-(1-methylethyl)-cyclohexane	5.2	T J N	ug/L		2.99	99-82-1	08/11/25 05:56	08/14/25 13:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		33 - 139	08/11/25 05:56	08/14/25 13:17	1
2-Fluorobiphenyl (Surr)	72		33 - 126	08/11/25 05:56	08/14/25 13:17	1
2-Fluorophenol (Surr)	45		12 - 120	08/11/25 05:56	08/14/25 13:17	1
Nitrobenzene-d5 (Surr)	74		36 - 120	08/11/25 05:56	08/14/25 13:17	1
Phenol-d6 (Surr)	24		10 - 120	08/11/25 05:56	08/14/25 13:17	1
p-Terphenyl-d14 (Surr)	80		47 - 131	08/11/25 05:56	08/14/25 13:17	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			08/16/25 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		38 - 134		08/16/25 17:03	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		08/11/25 11:43	08/16/25 09:12	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		08/11/25 11:43	08/16/25 09:12	1

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Client Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-164500-2

Date Collected: 08/04/25 11:03
Date Received: 08/06/25 09:34

Matrix: Drinking Water
PWSID Number: HI0000331

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		08/11/25 11:43	08/16/25 09:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	124		60 - 130			08/11/25 11:43	08/16/25 09:12	1

**Client Sample ID: TB:AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-164500-3

Date Collected: 08/04/25 10:42
Date Received: 08/06/25 09:34

Matrix: Water

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			08/16/25 21:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		38 - 134				08/16/25 21:32	1

**Client Sample ID: TB:AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-164500-4

Date Collected: 08/04/25 11:03
Date Received: 08/06/25 09:34

Matrix: Water

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			08/16/25 21:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		38 - 134				08/16/25 21:57	1

Action Limit Summary

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)
PWSID Number: HI0000331

Lab Sample ID: 380-164500-1

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

Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)
PWSID Number: HI0000331

Lab Sample ID: 380-164500-2

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: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)						
		2NMX (70-130)	PRY (70-130)	TPP (70-130)				
380-164500-1	AIEA GULCH WELLS PUMP 1 (	102	72	102				
380-164500-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	95	88	103				

Surrogate Legend

2NMX = 2-Nitro-m-xylene

PRY = Perylene d12

TPP = Triphenylphosphate

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)						
		2NMX (70-130)	PRY (70-130)	TPP (70-130)				
380-164489-B-1-A DU	Duplicate	96	91	101				
380-164489-B-3-A MS	Matrix Spike	94	94	107				
380-165194-O-1-A MS	Matrix Spike	94	97	112				
380-165286-O-1-A DU	Duplicate	92	88	104				
LCS 380-167255/23-A	Lab Control Sample	86	97	115				
LCS 380-167848/21-A	Lab Control Sample	95	98	112				
MB 380-167255/21-A	Method Blank	96	86	100				
MB 380-167848/19-A	Method Blank	94	89	109				
MRL 380-167255/22-A	Lab Control Sample	92	88	109				
MRL 380-167848/20-A	Lab Control Sample	95	95	107				

Surrogate Legend

2NMX = 2-Nitro-m-xylene

PRY = Perylene-d12

TPP = Triphenylphosphate

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)							
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)		
380-164500-2	AIEA GULCH WELLS PUMP 2 (	73	72	45	74	24	80		

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

Job ID: 380-164500-1

Project/Site: RED-HILL

SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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 570-609628/1-A	Method Blank	88	86	55	96	32	101

Surrogate Legend

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

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL6 = Phenol-d6 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-164500-2	AIEA GULCH WELLS PUMP 2 (	83	63	46	74	30	75

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)
380-164502-A-1-B MS	Matrix Spike	84	87	44	74	29	86
380-164502-A-1-C MSD	Matrix Spike Duplicate	87	106	46	85	31	100
LCS 570-609628/2-A	Lab Control Sample	81	86	49	76	34	83
LCSD 570-609628/3-A	Lab Control Sample Dup	90	97	29	81	36	92
MB 570-609628/1-A	Method Blank	96	94	49	95	33	93

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)					
		BBF1 (38-134)					
380-164500-1	AIEA GULCH WELLS PUMP 1 (	80					

Eurofins Eaton Analytical Pomona

Surrogate Summary

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-164500-2	AIEA GULCH WELLS PUMP 2 (	83

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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)
380-164500-3	TB:AIEA GULCH WELLS PUMP	81
380-164500-4	TB:AIEA GULCH WELLS PUMP	83
	2 (331-202-TP072)	
380-164502-C-1 MS	Matrix Spike	92
380-164502-C-1 MSD	Matrix Spike Duplicate	91
LCS 570-612596/3	Lab Control Sample	92
LCSD 570-612596/4	Lab Control Sample Dup	91
MB 570-612596/5	Method Blank	80
MRL 570-612596/6	Lab Control Sample	83

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)
380-164500-1	AIEA GULCH WELLS PUMP 1 (	113
380-164500-2	AIEA GULCH WELLS PUMP 2	124
	(331-202-TP072)	

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)
380-164502-B-1-A MS	Matrix Spike	117
380-164502-B-1-B MSD	Matrix Spike Duplicate	121
LCS 570-609844/2-A	Lab Control Sample	111
LCSD 570-609844/3-A	Lab Control Sample Dup	111
MB 570-609844/1-A	Method Blank	109
MRL 570-609844/4-A	Lab Control Sample	113

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MB 380-167255/21-A

Matrix: Water

Analysis Batch: 167457

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 167255

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
2,4'-DDD	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
2,4'-DDE	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
2,4'-DDT	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
2-Methylnaphthalene	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
4,4'-DDD	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
4,4'-DDE	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
4,4'-DDT	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Acenaphthene	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Acenaphthylene	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Acetochlor	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Alachlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
alpha-BHC	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
alpha-Chlordane	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Anthracene	<0.019		0.019	ug/L		08/07/25 09:12	08/08/25 10:02	1
Atrazine	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Benz(a)anthracene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Benzo[a]pyrene	<0.019		0.019	ug/L		08/07/25 09:12	08/08/25 10:02	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		08/07/25 09:12	08/08/25 10:02	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		08/07/25 09:12	08/08/25 10:02	1
beta-BHC	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		08/07/25 09:12	08/08/25 10:02	1
Bromacil	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Butachlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Butylbenzylphthalate	<0.49		0.49	ug/L		08/07/25 09:12	08/08/25 10:02	1
Chlorobenzilate	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Chloroneb	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Chlorpyrifos	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Chrysene	<0.019		0.019	ug/L		08/07/25 09:12	08/08/25 10:02	1
delta-BHC	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		08/07/25 09:12	08/08/25 10:02	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Dieldrin	<0.0097		0.0097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Diethylphthalate	<0.49		0.49	ug/L		08/07/25 09:12	08/08/25 10:02	1
Dimethylphthalate	<0.49		0.49	ug/L		08/07/25 09:12	08/08/25 10:02	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		08/07/25 09:12	08/08/25 10:02	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Endosulfan sulfate	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Endrin	<0.0097		0.0097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Endrin aldehyde	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
EPTC	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MB 380-167255/21-A

Matrix: Water

Analysis Batch: 167457

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 167255

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Fluorene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
gamma-Chlordane	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Heptachlor	<0.0097		0.0097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Hexachlorobenzene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Isophorone	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Lindane	<0.0097		0.0097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Malathion	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Methoxychlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Metolachlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Molinate	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Naphthalene	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Parathion	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Phenanthrene	<0.039		0.039	ug/L		08/07/25 09:12	08/08/25 10:02	1
Propachlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Pyrene	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Simazine	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Terbacil	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Terbutylazine	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Thiobencarb	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		08/07/25 09:12	08/08/25 10:02	1
trans-Nonachlor	<0.049		0.049	ug/L		08/07/25 09:12	08/08/25 10:02	1
Trifluralin	<0.097		0.097	ug/L		08/07/25 09:12	08/08/25 10:02	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.500	T J	ug/L		2.55	N/A	08/07/25 09:12	08/08/25 10:02	1
Decane	2.04	T J N	ug/L		2.72	124-18-5	08/07/25 09:12	08/08/25 10:02	1
Phenol, p-tert-butyl-	0.838	T J N	ug/L		3.80	98-54-4	08/07/25 09:12	08/08/25 10:02	1
9-Octadecenamide, (Z)-	1.89	T J N	ug/L		7.80	301-02-0	08/07/25 09:12	08/08/25 10:02	1
Unknown	1.10	T J	ug/L		15.38	N/A	08/07/25 09:12	08/08/25 10:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	96		70 - 130	08/07/25 09:12	08/08/25 10:02	1
Perylene-d12	86		70 - 130	08/07/25 09:12	08/08/25 10:02	1
Triphenylphosphate	100		70 - 130	08/07/25 09:12	08/08/25 10:02	1

Lab Sample ID: LCS 380-167255/23-A

Matrix: Water

Analysis Batch: 167457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.95	1.76		ug/L		90	70 - 130
2,4'-DDD	1.95	2.20		ug/L		113	70 - 130
2,4'-DDE	1.95	2.08		ug/L		107	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 380-167255/23-A

Matrix: Water

Analysis Batch: 167457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDT	1.95	2.05		ug/L		106	70 - 130
2,4-Dinitrotoluene	1.95	2.16		ug/L		111	70 - 130
2,6-Dinitrotoluene	1.95	1.77		ug/L		91	70 - 130
2-Methylnaphthalene	1.95	1.76		ug/L		91	70 - 130
4,4'-DDD	1.95	2.13		ug/L		110	70 - 130
4,4'-DDE	1.95	2.19		ug/L		113	70 - 130
4,4'-DDT	1.95	2.03		ug/L		104	70 - 130
Acenaphthene	1.95	1.83		ug/L		94	70 - 130
Acenaphthylene	1.95	1.95		ug/L		100	70 - 130
Acetochlor	1.95	2.03		ug/L		104	70 - 130
Alachlor	1.95	2.06		ug/L		106	70 - 130
alpha-BHC	1.95	2.07		ug/L		106	70 - 130
alpha-Chlordane	1.95	2.45		ug/L		126	70 - 130
Anthracene	1.95	2.05		ug/L		106	70 - 130
Atrazine	1.95	2.26		ug/L		116	70 - 130
Benz(a)anthracene	1.95	2.02		ug/L		104	70 - 130
Benzo[a]pyrene	1.95	2.13		ug/L		110	70 - 130
Benzo[b]fluoranthene	1.95	2.10		ug/L		108	70 - 130
Benzo[g,h,i]perylene	1.95	1.84		ug/L		95	70 - 130
Benzo[k]fluoranthene	1.95	1.98		ug/L		102	70 - 130
beta-BHC	1.95	2.11		ug/L		108	70 - 130
Bis(2-ethylhexyl) phthalate	1.95	1.77		ug/L		91	70 - 130
Bromacil	1.95	1.96		ug/L		101	70 - 130
Butachlor	1.95	2.03		ug/L		104	70 - 130
Butylbenzylphthalate	1.95	1.92		ug/L		99	70 - 130
Chlorobenzilate	1.95	1.86		ug/L		96	70 - 130
Chloroneb	1.95	2.02		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	1.95	2.20		ug/L		113	70 - 130
Chlorpyrifos	1.95	2.18		ug/L		112	70 - 130
Chrysene	1.95	1.98		ug/L		102	70 - 130
delta-BHC	1.95	1.88		ug/L		97	70 - 130
Di(2-ethylhexyl)adipate	1.95	1.91		ug/L		98	70 - 130
Dibenz(a,h)anthracene	1.95	1.95		ug/L		100	70 - 130
Diclorvos (DDVP)	1.95	1.86		ug/L		95	70 - 130
Dieldrin	1.95	1.99		ug/L		102	70 - 130
Diethylphthalate	1.95	2.13		ug/L		110	70 - 130
Dimethylphthalate	1.95	2.01		ug/L		103	70 - 130
Di-n-butyl phthalate	3.89	4.48		ug/L		115	70 - 130
Di-n-octyl phthalate	1.95	1.85		ug/L		95	70 - 130
Endosulfan I (Alpha)	1.95	1.96		ug/L		101	70 - 130
Endosulfan II (Beta)	1.95	1.88		ug/L		97	70 - 130
Endosulfan sulfate	1.95	1.94		ug/L		100	70 - 130
Endrin	1.95	2.25		ug/L		116	70 - 130
Endrin aldehyde	1.95	2.20		ug/L		113	60 - 130
EPTC	1.95	1.89		ug/L		97	70 - 130
Fluoranthene	1.95	2.15		ug/L		110	70 - 130
Fluorene	1.95	2.01		ug/L		103	70 - 130
gamma-Chlordane	1.95	2.40		ug/L		123	70 - 130
Heptachlor	1.95	2.22		ug/L		114	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 380-167255/23-A

Matrix: Water

Analysis Batch: 167457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor epoxide (isomer B)	1.95	2.29		ug/L		118	70 - 130
Hexachlorobenzene	1.95	2.16		ug/L		111	70 - 130
Hexachlorocyclopentadiene	1.95	2.17		ug/L		111	70 - 130
Indeno[1,2,3-cd]pyrene	1.95	2.08		ug/L		107	70 - 130
Isophorone	1.95	1.86		ug/L		96	70 - 130
Lindane	1.95	2.25		ug/L		116	70 - 130
Malathion	1.95	2.09		ug/L		108	70 - 130
Methoxychlor	1.95	2.24		ug/L		115	70 - 130
Metolachlor	1.95	2.17		ug/L		112	70 - 130
Molinate	1.95	2.02		ug/L		104	70 - 130
Naphthalene	1.95	1.77		ug/L		91	70 - 130
Parathion	1.95	1.98		ug/L		102	70 - 130
Pendimethalin (Penoxaline)	1.95	2.34		ug/L		120	70 - 130
Phenanthrene	1.95	1.83		ug/L		94	70 - 130
Propachlor	1.95	2.09		ug/L		108	70 - 130
Pyrene	1.95	2.18		ug/L		112	70 - 130
Simazine	1.95	2.14		ug/L		110	70 - 130
Terbacil	1.95	1.98		ug/L		102	70 - 130
Terbutylazine	1.95	2.25		ug/L		116	70 - 130
Thiobencarb	1.95	2.04		ug/L		105	70 - 130
trans-Nonachlor	1.95	2.53		ug/L		130	70 - 130
Trifluralin	1.95	2.38		ug/L		123	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	86		70 - 130
Perylene-d12	97		70 - 130
Triphenylphosphate	115		70 - 130

Lab Sample ID: MRL 380-167255/22-A

Matrix: Water

Analysis Batch: 167457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167255

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0971	0.105		ug/L		109	50 - 150
2,4'-DDD	0.0971	0.0847	J	ug/L		87	50 - 150
2,4'-DDE	0.0971	0.0907	J	ug/L		93	50 - 150
2,4'-DDT	0.0971	0.113		ug/L		116	50 - 150
2,4-Dinitrotoluene	0.0971	0.118		ug/L		121	50 - 150
2,6-Dinitrotoluene	0.0971	0.117		ug/L		120	50 - 150
2-Methylnaphthalene	0.0971	0.0966	J	ug/L		99	50 - 150
4,4'-DDD	0.0971	0.0947	J	ug/L		97	50 - 150
4,4'-DDE	0.0971	0.0907	J	ug/L		93	50 - 150
4,4'-DDT	0.0971	0.116		ug/L		120	50 - 150
Acenaphthene	0.0971	0.0886	J	ug/L		91	50 - 150
Acenaphthylene	0.0971	0.0823	J	ug/L		85	50 - 150
Acetochlor	0.0971	0.101		ug/L		104	50 - 150
Alachlor	0.0486	0.0470	J	ug/L		97	50 - 150
alpha-BHC	0.0971	0.0877	J	ug/L		90	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MRL 380-167255/22-A

Matrix: Water

Analysis Batch: 167457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167255

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
alpha-Chlordane	0.0243	0.0285	J	ug/L		117	50 - 150
Anthracene	0.0194	0.0194		ug/L		100	50 - 150
Atrazine	0.0486	0.0544		ug/L		112	50 - 150
Benz(a)anthracene	0.0486	0.0487	J	ug/L		100	50 - 150
Benzo[a]pyrene	0.0194	0.0217		ug/L		112	50 - 150
Benzo[b]fluoranthene	0.0194	0.0228		ug/L		117	50 - 150
Benzo[g,h,i]perylene	0.0486	0.0498		ug/L		103	50 - 150
Benzo[k]fluoranthene	0.0194	0.0253		ug/L		130	50 - 150
beta-BHC	0.0971	0.0954	J	ug/L		98	50 - 150
Bis(2-ethylhexyl) phthalate	0.583	0.518	J	ug/L		89	50 - 150
Bromacil	0.0971	0.130		ug/L		133	50 - 150
Butachlor	0.0486	0.0543		ug/L		112	50 - 150
Butylbenzylphthalate	0.486	0.463	J	ug/L		95	50 - 150
Chlorobenzilate	0.0971	0.101		ug/L		104	50 - 150
Chloroneb	0.0971	0.0938	J	ug/L		97	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0971	0.0819	J	ug/L		84	50 - 150
Chlorpyrifos	0.0486	0.0479	J	ug/L		99	50 - 150
Chrysene	0.0194	0.0206		ug/L		106	50 - 150
delta-BHC	0.0971	0.0847	J	ug/L		87	50 - 150
Di(2-ethylhexyl)adipate	0.583	0.546	J	ug/L		94	50 - 150
Dibenz(a,h)anthracene	0.0486	0.0536		ug/L		110	50 - 150
Diclorvos (DDVP)	0.0486	0.0525		ug/L		108	50 - 150
Dieldrin	0.00971	0.0143		ug/L		147	50 - 150
Diethylphthalate	0.486	0.489	J	ug/L		101	50 - 150
Dimethylphthalate	0.486	0.480	J	ug/L		99	50 - 150
Di-n-butyl phthalate	0.486	0.888	J	ug/L		183	49 - 243
Di-n-octyl phthalate	0.0971	0.0990		ug/L		102	50 - 150
Endosulfan I (Alpha)	0.0971	0.0863	J	ug/L		89	50 - 150
Endosulfan II (Beta)	0.0971	0.0888	J	ug/L		91	50 - 150
Endosulfan sulfate	0.0971	0.105		ug/L		108	50 - 150
Endrin	0.00971	0.00913	J	ug/L		94	50 - 150
Endrin aldehyde	0.0971	0.130		ug/L		134	50 - 150
EPTC	0.0971	0.0881	J	ug/L		91	50 - 150
Fluoranthene	0.0971	0.0887	J	ug/L		91	50 - 150
Fluorene	0.0486	<0.049		ug/L		91	50 - 150
gamma-Chlordane	0.0243	0.0252	J	ug/L		104	50 - 150
Heptachlor	0.00971	0.0106		ug/L		109	50 - 150
Heptachlor epoxide (isomer B)	0.00971	0.00956	J	ug/L		98	50 - 150
Hexachlorobenzene	0.0486	0.0448	J	ug/L		92	50 - 150
Hexachlorocyclopentadiene	0.0486	0.0486	J	ug/L		100	50 - 150
Indeno[1,2,3-cd]pyrene	0.0486	0.0548		ug/L		113	50 - 150
Isophorone	0.0971	0.114		ug/L		117	50 - 150
Lindane	0.00971	0.0118		ug/L		122	50 - 150
Malathion	0.0971	0.105		ug/L		108	50 - 150
Methoxychlor	0.0486	0.0603		ug/L		124	50 - 150
Metolachlor	0.0486	0.0530		ug/L		109	50 - 150
Molinate	0.0971	0.0953	J	ug/L		98	50 - 150
Naphthalene	0.0971	0.0911	J	ug/L		94	50 - 150
Parathion	0.0971	0.0962	J	ug/L		99	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MRL 380-167255/22-A

Matrix: Water

Analysis Batch: 167457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167255

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Pendimethalin (Penoxaline)	0.0971	0.128		ug/L		132	50 - 150
Phenanthrene	0.0389	0.0376	J	ug/L		97	50 - 150
Propachlor	0.0486	0.0535		ug/L		110	50 - 150
Pyrene	0.0486	0.0446	J	ug/L		92	50 - 150
Simazine	0.0486	0.0558		ug/L		115	50 - 150
Terbacil	0.0971	0.106		ug/L		109	50 - 150
Terbutylazine	0.0971	0.108		ug/L		111	50 - 150
Thiobencarb	0.0971	0.0901	J	ug/L		93	50 - 150
trans-Nonachlor	0.0243	0.0262	J	ug/L		108	50 - 150
Trifluralin	0.0971	0.119		ug/L		122	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	92		70 - 130
Perylene-d12	88		70 - 130
Triphenylphosphate	109		70 - 130

Lab Sample ID: 380-164489-B-3-A MS

Matrix: Water

Analysis Batch: 167457

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 167255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.94	1.84		ug/L		94	70 - 130
2,4'-DDD	<0.097		1.94	2.13		ug/L		110	70 - 130
2,4'-DDE	<0.097		1.94	2.00		ug/L		103	70 - 130
2,4'-DDT	<0.097		1.94	1.98		ug/L		102	70 - 130
2,4-Dinitrotoluene	<0.097		1.94	2.23		ug/L		115	70 - 130
2,6-Dinitrotoluene	<0.097		1.94	1.90		ug/L		98	70 - 130
2-Methylnaphthalene	<0.097		1.94	1.84		ug/L		95	70 - 130
4,4'-DDD	<0.097		1.94	2.08		ug/L		107	70 - 130
4,4'-DDE	<0.097		1.94	1.99		ug/L		103	70 - 130
4,4'-DDT	<0.097		1.94	1.94		ug/L		100	70 - 130
Acenaphthene	<0.097		1.94	1.83		ug/L		95	70 - 130
Acenaphthylene	<0.097		1.94	1.94		ug/L		100	70 - 130
Acetochlor	<0.097		1.94	2.01		ug/L		104	70 - 130
Alachlor	<0.048		1.94	1.97		ug/L		102	70 - 130
alpha-BHC	<0.097		1.94	1.91		ug/L		98	70 - 130
alpha-Chlordane	<0.048		1.94	2.30		ug/L		117	70 - 130
Anthracene	<0.019	F1	1.94	0.906	F1	ug/L		47	70 - 130
Atrazine	<0.048		1.94	2.01		ug/L		104	70 - 130
Benz(a)anthracene	<0.048		1.94	1.73		ug/L		89	70 - 130
Benzo[a]pyrene	<0.019		1.94	1.63		ug/L		84	70 - 130
Benzo[b]fluoranthene	<0.019		1.94	2.10		ug/L		108	70 - 130
Benzo[g,h,i]perylene	<0.048		1.94	1.77		ug/L		91	70 - 130
Benzo[k]fluoranthene	<0.019		1.94	2.00		ug/L		103	70 - 130
beta-BHC	<0.097		1.94	1.95		ug/L		101	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.94	1.77		ug/L		91	70 - 130
Bromacil	<0.097		1.94	2.04		ug/L		103	70 - 130
Butachlor	<0.048		1.94	1.97		ug/L		102	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-164489-B-3-A MS

Matrix: Water

Analysis Batch: 167457

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 167255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Butylbenzylphthalate	<0.48		1.94	1.88		ug/L		97	70 - 130
Chlorobenzilate	<0.097		1.94	1.88		ug/L		97	70 - 130
Chloroneb	<0.097		1.94	1.97		ug/L		102	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.94	2.07		ug/L		107	70 - 130
Chlorpyrifos	<0.048		1.94	2.11		ug/L		109	70 - 130
Chrysene	<0.019		1.94	1.93		ug/L		100	70 - 130
delta-BHC	<0.097		1.94	1.80		ug/L		93	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.94	1.86		ug/L		96	70 - 130
Dibenz(a,h)anthracene	<0.048		1.94	1.89		ug/L		98	70 - 130
Diclorvos (DDVP)	<0.048		1.94	2.02		ug/L		104	70 - 130
Dieldrin	0.066		1.94	1.98		ug/L		99	70 - 130
Diethylphthalate	<0.48		1.94	2.01		ug/L		104	70 - 130
Dimethylphthalate	<0.48		1.94	1.98		ug/L		102	70 - 130
Di-n-butyl phthalate	<0.97		3.88	4.56		ug/L		118	70 - 130
Di-n-octyl phthalate	<0.097		1.94	1.89		ug/L		98	70 - 130
Endosulfan I (Alpha)	<0.097		1.94	1.89		ug/L		97	70 - 130
Endosulfan II (Beta)	<0.097		1.94	1.82		ug/L		94	70 - 130
Endosulfan sulfate	<0.097		1.94	1.83		ug/L		94	70 - 130
Endrin	<0.0097		1.94	2.13		ug/L		110	70 - 130
Endrin aldehyde	<0.097		1.94	1.89		ug/L		98	60 - 130
EPTC	<0.097		1.94	1.99		ug/L		103	70 - 130
Fluoranthene	<0.097		1.94	2.02		ug/L		104	70 - 130
Fluorene	<0.048		1.94	1.93		ug/L		100	70 - 130
gamma-Chlordane	<0.048		1.94	2.30		ug/L		118	70 - 130
Heptachlor	<0.0097		1.94	2.17		ug/L		112	70 - 130
Heptachlor epoxide (isomer B)	0.012		1.94	2.10		ug/L		108	70 - 130
Hexachlorobenzene	<0.048		1.94	2.02		ug/L		104	70 - 130
Hexachlorocyclopentadiene	<0.048		1.94	2.37		ug/L		122	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.94	2.07		ug/L		107	70 - 130
Isophorone	<0.097		1.94	2.08		ug/L		108	70 - 130
Lindane	<0.0097		1.94	2.09		ug/L		108	70 - 130
Malathion	<0.097		1.94	1.94		ug/L		100	70 - 130
Methoxychlor	<0.048		1.94	2.15		ug/L		111	70 - 130
Metolachlor	<0.048		1.94	2.07		ug/L		107	70 - 130
Molinate	<0.097		1.94	2.00		ug/L		103	70 - 130
Naphthalene	<0.097		1.94	1.90		ug/L		98	70 - 130
Parathion	<0.097		1.94	1.91		ug/L		99	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.94	2.24		ug/L		116	70 - 130
Phenanthrene	<0.039		1.94	1.78		ug/L		92	70 - 130
Propachlor	<0.048		1.94	1.98		ug/L		102	70 - 130
Pyrene	<0.048		1.94	2.03		ug/L		105	70 - 130
Simazine	<0.048		1.94	2.01		ug/L		104	70 - 130
Terbacil	<0.097		1.94	2.00		ug/L		103	70 - 130
Terbutylazine	<0.097		1.94	2.09		ug/L		108	70 - 130
Thiobencarb	<0.097		1.94	1.97		ug/L		101	70 - 130
trans-Nonachlor	<0.048		1.94	2.35		ug/L		121	70 - 130
Trifluralin	<0.097		1.94	2.21		ug/L		114	70 - 130

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QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-164489-B-3-A MS
Matrix: Water
Analysis Batch: 167457

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 167255

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
2-Nitro-m-xylene	94		70 - 130
Perylene-d12	94		70 - 130
Triphenylphosphate	107		70 - 130

Lab Sample ID: 380-164489-B-1-A DU
Matrix: Water
Analysis Batch: 167457

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 167255

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
1-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
2,4'-DDD	<0.097		<0.097		ug/L		NC	20
2,4'-DDE	<0.097		<0.097		ug/L		NC	20
2,4'-DDT	<0.097		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
4,4'-DDD	<0.097		<0.097		ug/L		NC	20
4,4'-DDE	<0.097		<0.097		ug/L		NC	20
4,4'-DDT	<0.097		<0.097		ug/L		NC	20
Acenaphthene	<0.097		<0.097		ug/L		NC	20
Acenaphthylene	<0.097		<0.097		ug/L		NC	20
Acetochlor	<0.097		<0.097		ug/L		NC	20
Alachlor	<0.049		<0.049		ug/L		NC	20
alpha-BHC	<0.097		<0.097		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.019		<0.019		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	<0.019		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.097		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Bromacil	<0.097		<0.097		ug/L		NC	20
Butachlor	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.49		ug/L		NC	20
Chlorobenzilate	<0.097		<0.097		ug/L		NC	20
Chloroneb	<0.097		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.097		<0.097		ug/L		NC	20
Chlorpyrifos	<0.049		<0.049		ug/L		NC	20
Chrysene	<0.019		<0.019		ug/L		NC	20
delta-BHC	<0.097		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Dieldrin	0.071		0.0681		ug/L		5	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-164489-B-1-A DU

Matrix: Water

Analysis Batch: 167457

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 167255

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.97		<0.97		ug/L		NC	20
Di-n-octyl phthalate	<0.097		<0.097		ug/L		NC	20
Endosulfan I (Alpha)	<0.097		<0.097		ug/L		NC	20
Endosulfan II (Beta)	<0.097		<0.097		ug/L		NC	20
Endosulfan sulfate	<0.097		<0.097		ug/L		NC	20
Endrin	<0.0097		<0.0097		ug/L		NC	20
Endrin aldehyde	<0.097		<0.097		ug/L		NC	20
EPTC	<0.097		<0.097		ug/L		NC	20
Fluoranthene	<0.097		<0.097		ug/L		NC	20
Fluorene	<0.049		<0.049		ug/L		NC	20
gamma-Chlordane	<0.049		<0.049		ug/L		NC	20
Heptachlor	<0.0097		<0.0097		ug/L		NC	20
Heptachlor epoxide (isomer B)	0.012		0.0117		ug/L		4	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	<0.097		<0.097		ug/L		NC	20
Lindane	<0.0097		<0.0097		ug/L		NC	20
Malathion	<0.097		<0.097		ug/L		NC	20
Methoxychlor	<0.049		<0.049		ug/L		NC	20
Metolachlor	<0.049		<0.049		ug/L		NC	20
Molinate	<0.097		<0.097		ug/L		NC	20
Naphthalene	<0.097		<0.097		ug/L		NC	20
Parathion	<0.097		<0.097		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.097		<0.097		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.049		<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	<0.097		<0.097		ug/L		NC	20
Terbutylazine	<0.097		<0.097		ug/L		NC	20
Thiobencarb	<0.097		<0.097		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.19		<0.19		ug/L		NC	20
trans-Nonachlor	<0.049		<0.049		ug/L		NC	20
Trifluralin	<0.097		<0.097		ug/L		NC	20

Surrogate	DU %Recovery	DU Qualifier	Limits
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	91		70 - 130
Triphenylphosphate	101		70 - 130

Lab Sample ID: MB 380-167848/19-A

Matrix: Water

Analysis Batch: 167958

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 167848

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MB 380-167848/19-A
Matrix: Water
Analysis Batch: 167958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 167848

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
2,4'-DDE	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
2,4'-DDT	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
2-Methylnaphthalene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
4,4'-DDD	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
4,4'-DDE	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
4,4'-DDT	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Acenaphthene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Acenaphthylene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Acetochlor	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Alachlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
alpha-BHC	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
alpha-Chlordane	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Anthracene	<0.020		0.020	ug/L		08/11/25 14:05	08/12/25 12:00	1
Atrazine	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Benz(a)anthracene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Benzo[a]pyrene	<0.020		0.020	ug/L		08/11/25 14:05	08/12/25 12:00	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		08/11/25 14:05	08/12/25 12:00	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		08/11/25 14:05	08/12/25 12:00	1
beta-BHC	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		08/11/25 14:05	08/12/25 12:00	1
Bromacil	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Butachlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Butylbenzylphthalate	<0.49		0.49	ug/L		08/11/25 14:05	08/12/25 12:00	1
Chlorobenzilate	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Chloroneb	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Chlorpyrifos	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Chrysene	<0.020		0.020	ug/L		08/11/25 14:05	08/12/25 12:00	1
delta-BHC	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		08/11/25 14:05	08/12/25 12:00	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Dieldrin	<0.0098		0.0098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Diethylphthalate	<0.49		0.49	ug/L		08/11/25 14:05	08/12/25 12:00	1
Dimethylphthalate	<0.49		0.49	ug/L		08/11/25 14:05	08/12/25 12:00	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		08/11/25 14:05	08/12/25 12:00	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Endosulfan sulfate	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Endrin	<0.0098		0.0098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Endrin aldehyde	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
EPTC	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Fluoranthene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Fluorene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MB 380-167848/19-A

Matrix: Water

Analysis Batch: 167958

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 167848

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Heptachlor	<0.0098		0.0098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Hexachlorobenzene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Isophorone	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Lindane	<0.0098		0.0098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Malathion	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Methoxychlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Metolachlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Molinate	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Naphthalene	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Parathion	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Phenanthrene	<0.039		0.039	ug/L		08/11/25 14:05	08/12/25 12:00	1
Propachlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Pyrene	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Simazine	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Terbacil	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Terbutylazine	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Thiobencarb	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		08/11/25 14:05	08/12/25 12:00	1
trans-Nonachlor	<0.049		0.049	ug/L		08/11/25 14:05	08/12/25 12:00	1
Trifluralin	<0.098		0.098	ug/L		08/11/25 14:05	08/12/25 12:00	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Decane	2.47	T J N	ug/L		2.72	124-18-5	08/11/25 14:05	08/12/25 12:00	1
Phenol, p-tert-butyl-	0.698	T J N	ug/L		3.80	98-54-4	08/11/25 14:05	08/12/25 12:00	1
9-Octadecenamide, (Z)-	2.18	T J N	ug/L		7.79	301-02-0	08/11/25 14:05	08/12/25 12:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	94		70 - 130	08/11/25 14:05	08/12/25 12:00	1
Perylene-d12	89		70 - 130	08/11/25 14:05	08/12/25 12:00	1
Triphenylphosphate	109		70 - 130	08/11/25 14:05	08/12/25 12:00	1

Lab Sample ID: LCS 380-167848/21-A

Matrix: Water

Analysis Batch: 167958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.97	1.85		ug/L		94	70 - 130
2,4'-DDD	1.97	2.18		ug/L		111	70 - 130
2,4'-DDE	1.97	2.04		ug/L		104	70 - 130
2,4'-DDT	1.97	2.00		ug/L		101	70 - 130
2,4-Dinitrotoluene	1.97	2.03		ug/L		103	70 - 130
2,6-Dinitrotoluene	1.97	1.77		ug/L		90	70 - 130
2-Methylnaphthalene	1.97	1.87		ug/L		95	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 380-167848/21-A

Matrix: Water

Analysis Batch: 167958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	1.97	2.16		ug/L		110	70 - 130
4,4'-DDE	1.97	2.06		ug/L		105	70 - 130
4,4'-DDT	1.97	1.98		ug/L		101	70 - 130
Acenaphthene	1.97	1.86		ug/L		94	70 - 130
Acenaphthylene	1.97	2.00		ug/L		101	70 - 130
Acetochlor	1.97	2.09		ug/L		106	70 - 130
Alachlor	1.97	2.06		ug/L		104	70 - 130
alpha-BHC	1.97	1.91		ug/L		97	70 - 130
alpha-Chlordane	1.97	2.33		ug/L		118	70 - 130
Anthracene	1.97	1.95		ug/L		99	70 - 130
Atrazine	1.97	2.12		ug/L		108	70 - 130
Benz(a)anthracene	1.97	2.03		ug/L		103	70 - 130
Benzo[a]pyrene	1.97	2.16		ug/L		110	70 - 130
Benzo[b]fluoranthene	1.97	2.07		ug/L		105	70 - 130
Benzo[g,h,i]perylene	1.97	1.89		ug/L		96	70 - 130
Benzo[k]fluoranthene	1.97	2.10		ug/L		107	70 - 130
beta-BHC	1.97	1.97		ug/L		100	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	1.80		ug/L		91	70 - 130
Bromacil	1.97	2.06		ug/L		105	70 - 130
Butachlor	1.97	2.03		ug/L		103	70 - 130
Butylbenzylphthalate	1.97	1.95		ug/L		99	70 - 130
Chlorobenzilate	1.97	1.94		ug/L		98	70 - 130
Chloroneb	1.97	1.99		ug/L		101	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.17		ug/L		110	70 - 130
Chlorpyrifos	1.97	2.14		ug/L		109	70 - 130
Chrysene	1.97	1.96		ug/L		99	70 - 130
delta-BHC	1.97	1.86		ug/L		94	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.02		ug/L		102	70 - 130
Dibenz(a,h)anthracene	1.97	1.99		ug/L		101	70 - 130
Diclorvos (DDVP)	1.97	2.02		ug/L		102	70 - 130
Dieldrin	1.97	1.99		ug/L		101	70 - 130
Diethylphthalate	1.97	2.07		ug/L		105	70 - 130
Dimethylphthalate	1.97	1.99		ug/L		101	70 - 130
Di-n-butyl phthalate	3.94	4.37		ug/L		111	70 - 130
Di-n-octyl phthalate	1.97	1.98		ug/L		100	70 - 130
Endosulfan I (Alpha)	1.97	1.94		ug/L		99	70 - 130
Endosulfan II (Beta)	1.97	1.90		ug/L		96	70 - 130
Endosulfan sulfate	1.97	1.92		ug/L		97	70 - 130
Endrin	1.97	2.21		ug/L		112	70 - 130
Endrin aldehyde	1.97	2.13		ug/L		108	60 - 130
EPTC	1.97	2.03		ug/L		103	70 - 130
Fluoranthene	1.97	2.07		ug/L		105	70 - 130
Fluorene	1.97	1.94		ug/L		98	70 - 130
gamma-Chlordane	1.97	2.30		ug/L		117	70 - 130
Heptachlor	1.97	2.20		ug/L		112	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.16		ug/L		110	70 - 130
Hexachlorobenzene	1.97	1.99		ug/L		101	70 - 130
Hexachlorocyclopentadiene	1.97	2.23		ug/L		113	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.17		ug/L		110	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 380-167848/21-A

Matrix: Water

Analysis Batch: 167958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Isophorone	1.97	2.16		ug/L		109	70 - 130
Lindane	1.97	2.06		ug/L		104	70 - 130
Malathion	1.97	2.04		ug/L		104	70 - 130
Methoxychlor	1.97	2.15		ug/L		109	70 - 130
Metolachlor	1.97	2.16		ug/L		109	70 - 130
Molinate	1.97	2.07		ug/L		105	70 - 130
Naphthalene	1.97	1.91		ug/L		97	70 - 130
Parathion	1.97	1.96		ug/L		100	70 - 130
Pendimethalin (Penoxaline)	1.97	2.23		ug/L		113	70 - 130
Phenanthrene	1.97	1.79		ug/L		91	70 - 130
Propachlor	1.97	2.07		ug/L		105	70 - 130
Pyrene	1.97	2.11		ug/L		107	70 - 130
Simazine	1.97	2.00		ug/L		101	70 - 130
Terbacil	1.97	2.11		ug/L		107	70 - 130
Terbutylazine	1.97	2.14		ug/L		109	70 - 130
Thiobencarb	1.97	2.07		ug/L		105	70 - 130
trans-Nonachlor	1.97	2.37		ug/L		120	70 - 130
Trifluralin	1.97	2.19		ug/L		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	95		70 - 130
Perylene-d12	98		70 - 130
Triphenylphosphate	112		70 - 130

Lab Sample ID: MRL 380-167848/20-A

Matrix: Water

Analysis Batch: 167958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167848

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0983	0.114		ug/L		116	50 - 150
2,4'-DDD	0.0983	0.0931	J	ug/L		95	50 - 150
2,4'-DDE	0.0983	0.103		ug/L		105	50 - 150
2,4'-DDT	0.0983	0.122		ug/L		124	50 - 150
2,4-Dinitrotoluene	0.0983	0.125		ug/L		127	50 - 150
2,6-Dinitrotoluene	0.0983	0.112		ug/L		113	50 - 150
2-Methylnaphthalene	0.0983	0.105		ug/L		107	50 - 150
4,4'-DDD	0.0983	0.106		ug/L		108	50 - 150
4,4'-DDE	0.0983	0.0959	J	ug/L		98	50 - 150
4,4'-DDT	0.0983	0.123		ug/L		125	50 - 150
Acenaphthene	0.0983	0.0916	J	ug/L		93	50 - 150
Acenaphthylene	0.0983	0.0904	J	ug/L		92	50 - 150
Acetochlor	0.0983	0.111		ug/L		113	50 - 150
Alachlor	0.0491	0.0529		ug/L		108	50 - 150
alpha-BHC	0.0983	0.0968	J	ug/L		99	50 - 150
alpha-Chlordane	0.0246	0.0294	J	ug/L		120	50 - 150
Anthracene	0.0197	0.0218		ug/L		111	50 - 150
Atrazine	0.0491	0.0542		ug/L		110	50 - 150
Benz(a)anthracene	0.0491	0.0556		ug/L		113	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MRL 380-167848/20-A

Matrix: Water

Analysis Batch: 167958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167848

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	0.0197	0.0256		ug/L		130	50 - 150
Benzo[b]fluoranthene	0.0197	0.0228		ug/L		116	50 - 150
Benzo[g,h,i]perylene	0.0491	0.0558		ug/L		114	50 - 150
Benzo[k]fluoranthene	0.0197	0.0221		ug/L		113	50 - 150
beta-BHC	0.0983	0.0985		ug/L		100	50 - 150
Bis(2-ethylhexyl) phthalate	0.590	0.559	J	ug/L		95	50 - 150
Bromacil	0.0983	0.133		ug/L		135	50 - 150
Butachlor	0.0491	0.0650		ug/L		132	50 - 150
Butylbenzylphthalate	0.491	0.500		ug/L		102	50 - 150
Chlorobenzilate	0.0983	0.114		ug/L		116	50 - 150
Chloroneb	0.0983	0.109		ug/L		111	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0983	0.0906	J	ug/L		92	50 - 150
Chlorpyrifos	0.0491	0.0555		ug/L		113	50 - 150
Chrysene	0.0197	0.0209		ug/L		106	50 - 150
delta-BHC	0.0983	0.0937	J	ug/L		95	50 - 150
Di(2-ethylhexyl)adipate	0.590	0.598		ug/L		101	50 - 150
Dibenz(a,h)anthracene	0.0491	0.0629		ug/L		128	50 - 150
Diclorvos (DDVP)	0.0491	0.0592		ug/L		120	50 - 150
Dieldrin	0.00983	0.0125		ug/L		127	50 - 150
Diethylphthalate	0.491	0.531		ug/L		108	50 - 150
Dimethylphthalate	0.491	0.518		ug/L		105	50 - 150
Di-n-butyl phthalate	0.491	0.587	J	ug/L		119	49 - 243
Di-n-octyl phthalate	0.0983	0.105		ug/L		107	50 - 150
Endosulfan I (Alpha)	0.0983	0.100		ug/L		102	50 - 150
Endosulfan II (Beta)	0.0983	0.101		ug/L		103	50 - 150
Endosulfan sulfate	0.0983	0.120		ug/L		122	50 - 150
Endrin	0.00983	0.0144		ug/L		147	50 - 150
Endrin aldehyde	0.0983	0.133		ug/L		135	50 - 150
EPTC	0.0983	0.0951	J	ug/L		97	50 - 150
Fluoranthene	0.0983	0.0958	J	ug/L		97	50 - 150
Fluorene	0.0491	0.0492		ug/L		100	50 - 150
gamma-Chlordane	0.0246	0.0274	J	ug/L		111	50 - 150
Heptachlor	0.00983	0.0120		ug/L		122	50 - 150
Heptachlor epoxide (isomer B)	0.00983	0.0119		ug/L		121	50 - 150
Hexachlorobenzene	0.0491	0.0478	J	ug/L		97	50 - 150
Hexachlorocyclopentadiene	0.0491	0.0474	J	ug/L		96	50 - 150
Indeno[1,2,3-cd]pyrene	0.0491	0.0620		ug/L		126	50 - 150
Isophorone	0.0983	0.131		ug/L		133	50 - 150
Lindane	0.00983	0.0126		ug/L		128	50 - 150
Malathion	0.0983	0.116		ug/L		118	50 - 150
Methoxychlor	0.0491	0.0644		ug/L		131	50 - 150
Metolachlor	0.0491	0.0603		ug/L		123	50 - 150
Molinate	0.0983	0.109		ug/L		110	50 - 150
Naphthalene	0.0983	0.0965	J	ug/L		98	50 - 150
Parathion	0.0983	0.108		ug/L		109	50 - 150
Pendimethalin (Penoxaline)	0.0983	0.136		ug/L		138	50 - 150
Phenanthrene	0.0393	0.0399		ug/L		102	50 - 150
Propachlor	0.0491	0.0593		ug/L		121	50 - 150
Pyrene	0.0491	0.0498		ug/L		101	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MRL 380-167848/20-A

Matrix: Water

Analysis Batch: 167958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 167848

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Simazine	0.0491	0.0563		ug/L		115	50 - 150
Terbacil	0.0983	0.122		ug/L		124	50 - 150
Terbutylazine	0.0983	0.115		ug/L		117	50 - 150
Thiobencarb	0.0983	0.100		ug/L		102	50 - 150
trans-Nonachlor	0.0246	0.0286	J	ug/L		116	50 - 150
Trifluralin	0.0983	0.134		ug/L		136	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	95		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	107		70 - 130

Lab Sample ID: 380-165194-O-1-A MS

Matrix: Water

Analysis Batch: 167958

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 167848

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.098		1.95	1.84		ug/L		94	70 - 130
2,4'-DDD	<0.098		1.95	2.16		ug/L		111	70 - 130
2,4'-DDE	<0.098		1.95	1.99		ug/L		102	70 - 130
2,4'-DDT	<0.098		1.95	1.95		ug/L		100	70 - 130
2,4-Dinitrotoluene	<0.098		1.95	2.24		ug/L		115	70 - 130
2,6-Dinitrotoluene	<0.098		1.95	1.91		ug/L		98	70 - 130
2-Methylnaphthalene	<0.098		1.95	1.83		ug/L		93	70 - 130
4,4'-DDD	<0.098		1.95	2.12		ug/L		108	70 - 130
4,4'-DDE	<0.098		1.95	1.98		ug/L		101	70 - 130
4,4'-DDT	<0.098		1.95	1.92		ug/L		99	70 - 130
Acenaphthene	<0.098		1.95	1.82		ug/L		93	70 - 130
Acenaphthylene	<0.098		1.95	1.92		ug/L		98	70 - 130
Acetochlor	<0.098		1.95	2.02		ug/L		104	70 - 130
Alachlor	<0.049		1.95	1.99		ug/L		102	70 - 130
alpha-BHC	<0.098		1.95	1.90		ug/L		97	70 - 130
alpha-Chlordane	<0.049		1.95	2.32		ug/L		119	70 - 130
Anthracene	<0.020		1.95	1.82		ug/L		93	70 - 130
Atrazine	<0.049		1.95	2.05		ug/L		104	70 - 130
Benz(a)anthracene	<0.049		1.95	1.99		ug/L		102	70 - 130
Benzo[a]pyrene	<0.020		1.95	2.12		ug/L		109	70 - 130
Benzo[b]fluoranthene	<0.020		1.95	2.13		ug/L		109	70 - 130
Benzo[g,h,i]perylene	<0.049		1.95	1.83		ug/L		94	70 - 130
Benzo[k]fluoranthene	<0.020		1.95	2.01		ug/L		103	70 - 130
beta-BHC	<0.098		1.95	1.95		ug/L		100	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.95	1.67		ug/L		86	70 - 130
Bromacil	<0.098		1.95	2.11		ug/L		108	70 - 130
Butachlor	<0.049		1.95	1.99		ug/L		102	70 - 130
Butylbenzylphthalate	<0.49		1.95	1.95		ug/L		100	70 - 130
Chlorobenzilate	<0.098		1.95	1.89		ug/L		97	70 - 130
Chloroneb	<0.098		1.95	1.94		ug/L		99	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.95	2.11		ug/L		108	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-165194-O-1-A MS

Matrix: Water

Analysis Batch: 167958

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 167848

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorpyrifos	<0.049		1.95	2.14		ug/L		110	70 - 130
Chrysene	<0.020		1.95	1.97		ug/L		101	70 - 130
delta-BHC	<0.098		1.95	1.80		ug/L		92	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.95	1.84		ug/L		94	70 - 130
Dibenz(a,h)anthracene	<0.049		1.95	1.89		ug/L		97	70 - 130
Diclorvos (DDVP)	<0.049		1.95	2.02		ug/L		104	70 - 130
Dieldrin	<0.0098		1.95	1.97		ug/L		101	70 - 130
Diethylphthalate	<0.49		1.95	2.04		ug/L		104	70 - 130
Dimethylphthalate	<0.49		1.95	1.98		ug/L		102	70 - 130
Di-n-butyl phthalate	<0.98		3.90	4.59		ug/L		118	70 - 130
Di-n-octyl phthalate	<0.098		1.95	1.82		ug/L		93	70 - 130
Endosulfan I (Alpha)	<0.098		1.95	1.94		ug/L		99	70 - 130
Endosulfan II (Beta)	<0.098		1.95	1.85		ug/L		95	70 - 130
Endosulfan sulfate	<0.098		1.95	1.86		ug/L		95	70 - 130
Endrin	<0.0098		1.95	2.23		ug/L		114	70 - 130
Endrin aldehyde	<0.098		1.95	1.65		ug/L		84	60 - 130
EPTC	<0.098		1.95	1.97		ug/L		101	70 - 130
Fluoranthene	<0.098		1.95	2.08		ug/L		107	70 - 130
Fluorene	<0.049		1.95	1.92		ug/L		98	70 - 130
gamma-Chlordane	<0.049		1.95	2.25		ug/L		116	70 - 130
Heptachlor	<0.0098		1.95	2.23		ug/L		114	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.95	2.14		ug/L		109	70 - 130
Hexachlorobenzene	<0.049		1.95	2.03		ug/L		104	70 - 130
Hexachlorocyclopentadiene	<0.049		1.95	2.27		ug/L		116	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.95	2.11		ug/L		108	70 - 130
Isophorone	<0.098		1.95	2.11		ug/L		108	70 - 130
Lindane	<0.0098		1.95	2.05		ug/L		105	70 - 130
Malathion	<0.098		1.95	2.01		ug/L		103	70 - 130
Methoxychlor	<0.049		1.95	2.25		ug/L		115	70 - 130
Metolachlor	<0.049		1.95	2.12		ug/L		108	70 - 130
Molinate	<0.098		1.95	2.04		ug/L		104	70 - 130
Naphthalene	<0.098		1.95	1.87		ug/L		96	70 - 130
Parathion	<0.098		1.95	1.96		ug/L		101	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.95	2.32		ug/L		119	70 - 130
Phenanthrene	<0.039		1.95	1.80		ug/L		92	70 - 130
Propachlor	<0.049		1.95	2.04		ug/L		104	70 - 130
Pyrene	<0.049		1.95	2.13		ug/L		109	70 - 130
Simazine	<0.049		1.95	2.01		ug/L		103	70 - 130
Terbacil	<0.098		1.95	2.12		ug/L		109	70 - 130
Terbutylazine	<0.098		1.95	2.09		ug/L		107	70 - 130
Thiobencarb	<0.098		1.95	2.07		ug/L		106	70 - 130
trans-Nonachlor	<0.049		1.95	2.35		ug/L		121	70 - 130
Trifluralin	<0.098		1.95	2.26		ug/L		116	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	94		70 - 130
Perylene-d12	97		70 - 130
Triphenylphosphate	112		70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-165286-O-1-A DU
Matrix: Water
Analysis Batch: 167958

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 167848

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

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-165286-O-1-A DU

Matrix: Water

Analysis Batch: 167958

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 167848

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

Surrogate	%Recovery	DU Qualifier	Limits
2-Nitro-m-xylene	92		70 - 130
Perylene-d12	88		70 - 130
Triphenylphosphate	104		70 - 130

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

Lab Sample ID: MB 570-609628/1-A

Matrix: Water

Analysis Batch: 611489

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 609628

Tentatively Identified Compound	Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	08/11/25 05:56	08/14/25 10:56	1

Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		33 - 139	08/11/25 05:56	08/14/25 10:56	1
2-Fluorobiphenyl (Surr)	86		33 - 126	08/11/25 05:56	08/14/25 10:56	1
2-Fluorophenol (Surr)	55		12 - 120	08/11/25 05:56	08/14/25 10:56	1
Nitrobenzene-d5 (Surr)	96		36 - 120	08/11/25 05:56	08/14/25 10:56	1
Phenol-d6 (Surr)	32		10 - 120	08/11/25 05:56	08/14/25 10:56	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MB 570-609628/1-A
Matrix: Water
Analysis Batch: 611489

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 609628

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	101		47 - 131	08/11/25 05:56	08/14/25 10:56	1

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

Lab Sample ID: MB 570-609628/1-A
Matrix: Water
Analysis Batch: 610847

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 609628

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
2-Methylnaphthalene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Acenaphthene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Acenaphthylene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Anthracene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Benzo[a]anthracene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Benzo[a]pyrene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Chrysene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Fluoranthene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Fluorene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Naphthalene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Phenanthrene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1
Pyrene	<0.20		0.20	ug/L		08/11/25 05:56	08/13/25 08:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	96		28 - 127	08/11/25 05:56	08/13/25 08:15	1
2-Fluorobiphenyl (Surr)	94		31 - 120	08/11/25 05:56	08/13/25 08:15	1
2-Fluorophenol (Surr)	49		17 - 120	08/11/25 05:56	08/13/25 08:15	1
Nitrobenzene-d5 (Surr)	95		27 - 120	08/11/25 05:56	08/13/25 08:15	1
Phenol-d6 (Surr)	33		10 - 120	08/11/25 05:56	08/13/25 08:15	1
p-Terphenyl-d14 (Surr)	93		45 - 120	08/11/25 05:56	08/13/25 08:15	1

Lab Sample ID: LCS 570-609628/2-A
Matrix: Water
Analysis Batch: 610847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 609628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	17.4		ug/L		87	47 - 120
2-Methylnaphthalene	20.0	16.9		ug/L		85	43 - 120
Acenaphthene	20.0	20.6		ug/L		103	60 - 132
Acenaphthylene	20.0	20.5		ug/L		103	54 - 126
Anthracene	20.0	20.3		ug/L		102	43 - 120
Benzo[a]anthracene	20.0	20.0		ug/L		100	42 - 133
Benzo[a]pyrene	20.0	16.0		ug/L		80	32 - 148

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 570-609628/2-A

Matrix: Water

Analysis Batch: 610847

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 609628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	20.0	18.0		ug/L		90	42 - 140
Benzo[g,h,i]perylene	20.0	28.1		ug/L		140	1 - 195
Benzo[k]fluoranthene	20.0	17.7		ug/L		88	25 - 146
Chrysene	20.0	20.4		ug/L		102	44 - 140
Dibenz(a,h)anthracene	20.0	27.3		ug/L		137	1 - 200
Fluoranthene	20.0	20.9		ug/L		105	43 - 121
Fluorene	20.0	20.6		ug/L		103	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	26.8		ug/L		134	1 - 151
Naphthalene	20.0	17.1		ug/L		85	36 - 120
Phenanthrene	20.0	20.5		ug/L		103	65 - 120
Pyrene	20.0	20.2		ug/L		101	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	81		28 - 127
2-Fluorobiphenyl (Surr)	86		31 - 120
2-Fluorophenol (Surr)	49		17 - 120
Nitrobenzene-d5 (Surr)	76		27 - 120
Phenol-d6 (Surr)	34		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

Lab Sample ID: LCSD 570-609628/3-A

Matrix: Water

Analysis Batch: 610847

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 609628

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	17.9		ug/L		89	47 - 120	3	20
2-Methylnaphthalene	20.0	17.7		ug/L		89	43 - 120	5	20
Acenaphthene	20.0	22.4		ug/L		112	60 - 132	9	29
Acenaphthylene	20.0	22.8		ug/L		114	54 - 126	10	45
Anthracene	20.0	22.0		ug/L		110	43 - 120	8	40
Benzo[a]anthracene	20.0	21.8		ug/L		109	42 - 133	8	32
Benzo[a]pyrene	20.0	23.0		ug/L		115	32 - 148	36	43
Benzo[b]fluoranthene	20.0	22.0		ug/L		110	42 - 140	20	43
Benzo[g,h,i]perylene	20.0	23.4		ug/L		117	1 - 195	18	61
Benzo[k]fluoranthene	20.0	22.8		ug/L		114	25 - 146	25	38
Chrysene	20.0	22.4		ug/L		112	44 - 140	9	53
Dibenz(a,h)anthracene	20.0	23.4		ug/L		117	1 - 200	16	75
Fluoranthene	20.0	21.8		ug/L		109	43 - 121	4	40
Fluorene	20.0	22.4		ug/L		112	70 - 120	9	23
Indeno[1,2,3-cd]pyrene	20.0	22.2		ug/L		111	1 - 151	19	60
Naphthalene	20.0	18.1		ug/L		90	36 - 120	6	39
Phenanthrene	20.0	22.3		ug/L		112	65 - 120	8	24
Pyrene	20.0	23.0		ug/L		115	70 - 120	13	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	90		28 - 127
2-Fluorobiphenyl (Surr)	97		31 - 120
2-Fluorophenol (Surr)	29		17 - 120

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCSD 570-609628/3-A

Matrix: Water

Analysis Batch: 610847

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 609628

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	81		27 - 120
Phenol-d6 (Surr)	36		10 - 120
p-Terphenyl-d14 (Surr)	92		45 - 120

Lab Sample ID: 380-164502-A-1-B MS

Matrix: Water

Analysis Batch: 610847

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 609628

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.1	15.6		ug/L		82	36 - 120
2-Methylnaphthalene	<0.19		19.1	15.9		ug/L		83	32 - 124
Acenaphthene	<0.19		19.1	19.7		ug/L		103	47 - 145
Acenaphthylene	<0.19		19.1	19.8		ug/L		104	33 - 145
Anthracene	<0.19		19.1	19.6		ug/L		103	27 - 133
Benzo[a]anthracene	<0.19		19.1	19.4		ug/L		101	33 - 143
Benzo[a]pyrene	<0.19		19.1	20.6		ug/L		107	17 - 163
Benzo[b]fluoranthene	<0.19		19.1	19.7		ug/L		103	24 - 159
Benzo[g,h,i]perylene	<0.19		19.1	13.6		ug/L		71	1 - 219
Benzo[k]fluoranthene	<0.19		19.1	20.1		ug/L		105	11 - 162
Chrysene	<0.19		19.1	19.9		ug/L		104	17 - 168
Dibenz(a,h)anthracene	<0.19		19.1	16.3		ug/L		85	1 - 227
Fluoranthene	<0.19		19.1	20.0		ug/L		104	26 - 137
Fluorene	<0.19		19.1	19.6		ug/L		102	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.1	15.7		ug/L		82	1 - 171
Naphthalene	<0.19		19.1	16.4		ug/L		86	21 - 133
Phenanthrene	<0.19		19.1	20.1		ug/L		105	54 - 120
Pyrene	<0.19	F1	19.1	20.7		ug/L		108	52 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	84		28 - 127
2-Fluorobiphenyl (Surr)	87		31 - 120
2-Fluorophenol (Surr)	44		17 - 120
Nitrobenzene-d5 (Surr)	74		27 - 120
Phenol-d6 (Surr)	29		10 - 120
p-Terphenyl-d14 (Surr)	86		45 - 120

Lab Sample ID: 380-164502-A-1-C MSD

Matrix: Water

Analysis Batch: 610847

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 609628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.1	18.2		ug/L		95	36 - 120	15	30
2-Methylnaphthalene	<0.19		19.1	18.3		ug/L		96	32 - 124	14	30
Acenaphthene	<0.19		19.1	20.9		ug/L		109	47 - 145	6	48
Acenaphthylene	<0.19		19.1	21.1		ug/L		110	33 - 145	6	74
Anthracene	<0.19		19.1	20.6		ug/L		108	27 - 133	5	66
Benzo[a]anthracene	<0.19		19.1	20.6		ug/L		108	33 - 143	6	53
Benzo[a]pyrene	<0.19		19.1	23.1		ug/L		121	17 - 163	12	72

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-164502-A-1-C MSD

Matrix: Water

Analysis Batch: 610847

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 609628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[b]fluoranthene	<0.19		19.1	22.7		ug/L		119	24 - 159	14	71
Benzo[g,h,i]perylene	<0.19		19.1	21.7		ug/L		113	1 - 219	46	97
Benzo[k]fluoranthene	<0.19		19.1	22.9		ug/L		120	11 - 162	13	63
Chrysene	<0.19		19.1	20.8		ug/L		109	17 - 168	4	87
Dibenz(a,h)anthracene	<0.19		19.1	21.4		ug/L		112	1 - 227	27	126
Fluoranthene	<0.19		19.1	20.5		ug/L		107	26 - 137	3	66
Fluorene	<0.19		19.1	21.5		ug/L		112	59 - 121	9	38
Indeno[1,2,3-cd]pyrene	<0.19		19.1	20.5		ug/L		107	1 - 171	27	99
Naphthalene	<0.19		19.1	17.6		ug/L		92	21 - 133	7	65
Phenanthrene	<0.19		19.1	20.9		ug/L		109	54 - 120	4	39
Pyrene	<0.19	F1	19.1	23.9	F1	ug/L		125	52 - 120	14	49

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	87		28 - 127
2-Fluorobiphenyl (Surr)	106		31 - 120
2-Fluorophenol (Surr)	46		17 - 120
Nitrobenzene-d5 (Surr)	85		27 - 120
Phenol-d6 (Surr)	31		10 - 120
p-Terphenyl-d14 (Surr)	100		45 - 120

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

Lab Sample ID: MB 570-612596/5

Matrix: Water

Analysis Batch: 612596

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			08/16/25 12:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		38 - 134				08/16/25 12:35	1

Lab Sample ID: LCS 570-612596/3

Matrix: Water

Analysis Batch: 612596

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (C4-C13)			400	346		ug/L		86	78 - 120		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	92		38 - 134								

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCSD 570-612596/4

Matrix: Water

Analysis Batch: 612596

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	330		ug/L		83	78 - 120	5	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	91		38 - 134								

Lab Sample ID: MRL 570-612596/6

Matrix: Water

Analysis Batch: 612596

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	<7.9		ug/L		75	50 - 150		
Surrogate	MRL %Recovery	MRL Qualifier	Limits								
4-Bromofluorobenzene (Surr)	83		38 - 134								

Lab Sample ID: 380-164502-C-1 MS

Matrix: Water

Analysis Batch: 612596

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	346		ug/L		86	68 - 122		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	92		38 - 134								

Lab Sample ID: 380-164502-C-1 MSD

Matrix: Water

Analysis Batch: 612596

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	<10		400	309		ug/L		77	68 - 122	11	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	91		38 - 134								

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

Lab Sample ID: MB 570-609844/1-A

Matrix: Water

Analysis Batch: 612481

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 609844

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		08/11/25 11:43	08/16/25 05:38	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		08/11/25 11:43	08/16/25 05:38	1
C8-C18	<25		25	ug/L		08/11/25 11:43	08/16/25 05:38	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	109		60 - 130	08/11/25 11:43	08/16/25 05:38	1

Lab Sample ID: LCS 570-609844/2-A
Matrix: Water
Analysis Batch: 612481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 609844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1500		ug/L		94	56 - 127
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	111		60 - 130				

Lab Sample ID: LCSD 570-609844/3-A
Matrix: Water
Analysis Batch: 612481

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 609844

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1500		ug/L		94	56 - 127	0	23
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
n-Octacosane (Surr)	111		60 - 130						

Lab Sample ID: MRL 570-609844/4-A
Matrix: Water
Analysis Batch: 612481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 609844

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0200	0.0251		mg/L		125	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
n-Octacosane (Surr)	113		60 - 130				

Lab Sample ID: 380-164502-B-1-A MS
Matrix: Water
Analysis Batch: 612481

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 609844

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<25		1620	1580		ug/L		98	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
n-Octacosane (Surr)	117		60 - 130						

Lab Sample ID: 380-164502-B-1-B MSD
Matrix: Water
Analysis Batch: 612481

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 609844

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<25		1630	1650		ug/L		101	70 - 130	4	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-164502-B-1-B MSD
Matrix: Water
Analysis Batch: 612481

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 609844

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

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QC Association Summary

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

GC/MS Semi VOA

Prep Batch: 167255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164500-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
MB 380-167255/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-167255/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-167255/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-164489-B-3-A MS	Matrix Spike	Total/NA	Water	525.2	
380-164489-B-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 167457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164500-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	167255
MB 380-167255/21-A	Method Blank	Total/NA	Water	525.2	167255
LCS 380-167255/23-A	Lab Control Sample	Total/NA	Water	525.2	167255
MRL 380-167255/22-A	Lab Control Sample	Total/NA	Water	525.2	167255
380-164489-B-3-A MS	Matrix Spike	Total/NA	Water	525.2	167255
380-164489-B-1-A DU	Duplicate	Total/NA	Water	525.2	167255

Prep Batch: 167848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164500-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
MB 380-167848/19-A	Method Blank	Total/NA	Water	525.2	
LCS 380-167848/21-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-167848/20-A	Lab Control Sample	Total/NA	Water	525.2	
380-165194-O-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-165286-O-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 167958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164500-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	167848
MB 380-167848/19-A	Method Blank	Total/NA	Water	525.2	167848
LCS 380-167848/21-A	Lab Control Sample	Total/NA	Water	525.2	167848
MRL 380-167848/20-A	Lab Control Sample	Total/NA	Water	525.2	167848
380-165194-O-1-A MS	Matrix Spike	Total/NA	Water	525.2	167848
380-165286-O-1-A DU	Duplicate	Total/NA	Water	525.2	167848

Prep Batch: 609628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164500-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	
MB 570-609628/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-609628/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-609628/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-164502-A-1-B MS	Matrix Spike	Total/NA	Water	625.1	
380-164502-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 610847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-609628/1-A	Method Blank	Total/NA	Water	625.1 SIM	609628
LCS 570-609628/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	609628
LCSD 570-609628/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	609628
380-164502-A-1-B MS	Matrix Spike	Total/NA	Water	625.1 SIM	609628
380-164502-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	609628

Eurofins Eaton Analytical Pomona

QC Association Summary

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

GC/MS Semi VOA

Analysis Batch: 611296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164500-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1 SIM	609628

Analysis Batch: 611489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164500-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	609628
MB 570-609628/1-A	Method Blank	Total/NA	Water	625.1	609628

GC VOA

Analysis Batch: 612596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164500-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B GRO LL	
380-164500-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B GRO LL	
380-164500-3	TB:AIEA GULCH WELLS PUMP 1 (331-201-TP0	Total/NA	Water	8015B GRO LL	
380-164500-4	TB:AIEA GULCH WELLS PUMP 2 (331-202-TP0	Total/NA	Water	8015B GRO LL	
MB 570-612596/5	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-612596/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-612596/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-612596/6	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-164502-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-164502-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 609844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164500-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	
380-164500-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	3510C	
MB 570-609844/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-609844/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-609844/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-609844/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-164502-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-164502-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 612481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164500-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	609844
380-164500-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	609844
MB 570-609844/1-A	Method Blank	Total/NA	Water	8015B	609844
LCS 570-609844/2-A	Lab Control Sample	Total/NA	Water	8015B	609844
LCSD 570-609844/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	609844
MRL 570-609844/4-A	Lab Control Sample	Total/NA	Water	8015B	609844
380-164502-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	609844
380-164502-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	609844

Lab Chronicle

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-164500-1

Date Collected: 08/04/25 10:42

Matrix: Drinking Water

Date Received: 08/06/25 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			167255	KRD3	EA POM	08/07/25 09:12
Total/NA	Analysis	525.2		1	167457	Q8LA	EA POM	08/08/25 13:28
Total/NA	Analysis	8015B GRO LL		1	612596	W4LC	EET CAL 4	08/16/25 16:39
Total/NA	Prep	3510C			609844	TVD6	EET CAL 4	08/11/25 11:43
Total/NA	Analysis	8015B		1	612481	H6FE	EET CAL 4	08/16/25 08:51

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-164500-2

Date Collected: 08/04/25 11:03

Matrix: Drinking Water

Date Received: 08/06/25 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			167848	IQ42	EA POM	08/11/25 14:05
Total/NA	Analysis	525.2		1	167958	Q8LA	EA POM	08/12/25 14:04
Total/NA	Prep	625.1			609628	H1SH	EET CAL 4	08/11/25 05:56
Total/NA	Analysis	625.1		1	611489	J7WE	EET CAL 4	08/14/25 13:17
Total/NA	Prep	625.1			609628	H1SH	EET CAL 4	08/11/25 05:56
Total/NA	Analysis	625.1 SIM		1	611296	J7WE	EET CAL 4	08/14/25 05:44
Total/NA	Analysis	8015B GRO LL		1	612596	W4LC	EET CAL 4	08/16/25 17:03
Total/NA	Prep	3510C			609844	TVD6	EET CAL 4	08/11/25 11:43
Total/NA	Analysis	8015B		1	612481	H6FE	EET CAL 4	08/16/25 09:12

Client Sample ID: TB:AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Lab Sample ID: 380-164500-3

Date Collected: 08/04/25 10:42

Matrix: Water

Date Received: 08/06/25 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	612596	W4LC	EET CAL 4	08/16/25 21:32

Client Sample ID: TB:AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-164500-4

Date Collected: 08/04/25 11:03

Matrix: Water

Date Received: 08/06/25 09:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	612596	W4LC	EET CAL 4	08/16/25 21:57

Laboratory References:

EA POM = Eurofins Eaton Analytical 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

Eurofins Eaton Analytical Pomona

Accreditation/Certification Summary

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Laboratory: Eurofins Eaton Analytical 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	Drinking Water	1-Methylnaphthalene
525.2	525.2	Drinking Water	2,4'-DDD
525.2	525.2	Drinking Water	2,4'-DDE
525.2	525.2	Drinking Water	2,4'-DDT
525.2	525.2	Drinking Water	2,4-Dinitrotoluene
525.2	525.2	Drinking Water	2,6-Dinitrotoluene
525.2	525.2	Drinking Water	2-Methylnaphthalene
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	4,4'-DDE
525.2	525.2	Drinking Water	4,4' DDT
525.2	525.2	Drinking Water	Acetochlor
525.2	525.2	Drinking Water	alpha-BHC
525.2	525.2	Drinking Water	alpha-Chlordane
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Chlorobenzilate
525.2	525.2	Drinking Water	Chloroneb
525.2	525.2	Drinking Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Drinking Water	Chlorpyrifos
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbutylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking Water	trans-Nonachlor

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25

Eurofins Eaton Analytical Pomona

Accreditation/Certification Summary

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25

Method Summary

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

Job ID: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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 Eaton Analytical 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: 380-164500-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-164500-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	08/04/25 10:42	08/06/25 09:34	HI0000331
380-164500-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	08/04/25 11:03	08/06/25 09:34	HI0000331
380-164500-3	TB:AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Water	08/04/25 10:42	08/06/25 09:34	
380-164500-4	TB:AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	08/04/25 11:03	08/06/25 09:34	

Chain of Custody Record

[illegible]

Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-164500-1

SDG Number: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Login Number: 164500

List Number: 1

Creator: Ngo, Theodore

List Source: Eurofins Eaton Analytical 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).	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: 380-164500-1

SDG Number: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Login Number: 164500

List Number: 2

Creator: Skinner, Alma D

List Source: Eurofins Calscience

List Creation: 08/07/25 02:10 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	