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ANALYTICAL REPORT

PREPARED FOR

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City & County of Honolulu
630 South Beretania Street
Public Service Bldg. Room 310
Honolulu, Hawaii 96843

Generated 6/10/2026 3:19:57 PM

JOB DESCRIPTION

RED-HILL
Weekly: Aiea Gulch Wells Pump 2

JOB NUMBER

380-216783-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

Job Notes

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

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

Compliance Statement

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

Authorization

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Authorized for release by
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Table of Contents

Definitions/Glossary

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

Job ID: 380-216783-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

GC Semi VOA

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

Glossary

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

Job Narrative
380-216783-1

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 5/29/2026 10:03 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

GC/MS Semi VOA
Method 525.2: One or more containers for the following sample was received broken or leaking: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-216783-1). 525 - Received 1 of 2 bottles broken, enough volume remained for analysis. (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
Method 8015B: The method reporting limit check (MRL) for preparation batch 570-747016 and analytical batch 570-750788 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

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

Detection Summary

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

Job ID: 380-216783-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-216783-1

PWSID Number: HI0000331

No Detections.

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

Lab Sample ID: 380-216783-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-216783-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 05/26/26 11:10
Date Received: 05/29/26 10:03

Lab Sample ID: 380-216783-1
Matrix: Drinking Water
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		06/04/26 14:32	06/05/26 16:40	1
2,4'-DDD	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
2,4'-DDE	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
2,4'-DDT	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
2-Methylnaphthalene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
4,4'-DDD	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
4,4'-DDE	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
4,4'-DDT	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Acenaphthene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Acenaphthylene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Acetochlor	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Alachlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
alpha-BHC	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
alpha-Chlordane	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Anthracene	<0.020		0.020		ug/L		06/04/26 14:32	06/05/26 16:40	1
Atrazine	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Benz(a)anthracene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Benzo[a]pyrene	<0.020		0.020		ug/L		06/04/26 14:32	06/05/26 16:40	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		06/04/26 14:32	06/05/26 16:40	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		06/04/26 14:32	06/05/26 16:40	1
beta-BHC	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		06/04/26 14:32	06/05/26 16:40	1
Bromacil	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Butachlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Butylbenzylphthalate	<0.49		0.49		ug/L		06/04/26 14:32	06/05/26 16:40	1
Chlorobenzilate	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Chloroneb	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Chlorpyrifos	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Chrysene	<0.020		0.020		ug/L		06/04/26 14:32	06/05/26 16:40	1
delta-BHC	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		06/04/26 14:32	06/05/26 16:40	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Dieldrin	<0.0098		0.0098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Diethylphthalate	<0.49		0.49		ug/L		06/04/26 14:32	06/05/26 16:40	1
Dimethylphthalate	<0.49		0.49		ug/L		06/04/26 14:32	06/05/26 16:40	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		06/04/26 14:32	06/05/26 16:40	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Endosulfan sulfate	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Endrin	<0.0098		0.0098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Endrin aldehyde	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
EPTC	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 05/26/26 11:10
Date Received: 05/29/26 10:03

Lab Sample ID: 380-216783-1
Matrix: Drinking Water
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		06/04/26 14:32	06/05/26 16:40	1
Fluorene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
gamma-Chlordane	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Heptachlor	<0.0098		0.0098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Heptachlor epoxide (isomer B)	<0.0098	^3+	0.0098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Hexachlorobenzene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Isophorone	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Lindane	<0.0098		0.0098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Malathion	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Methoxychlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Metolachlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Molinate	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Naphthalene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Parathion	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Phenanthrene	<0.039		0.039		ug/L		06/04/26 14:32	06/05/26 16:40	1
Propachlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Pyrene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Simazine	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Terbacil	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Terbuthylazine	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Thiobencarb	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		06/04/26 14:32	06/05/26 16:40	1
trans-Nonachlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 16:40	1
Trifluralin	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 16:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*06/04/26 14:32*	*06/05/26 16:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*06/04/26 14:32*	*06/05/26 16:40*	*1*
Perylene-d12	*93*		*70 - 130*	*06/04/26 14:32*	*06/05/26 16:40*	*1*
Triphenylphosphate	*108*		*70 - 130*	*06/04/26 14:32*	*06/05/26 16:40*	*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		05/31/26 08:21	06/03/26 14:27	1
2-Methylnaphthalene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Acenaphthene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Acenaphthylene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Anthracene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Benzo[a]anthracene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Benzo[a]pyrene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Chrysene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1

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

Lab Sample ID: 380-216783-1

Date Collected: 05/26/26 11:10
Date Received: 05/29/26 10:03

Matrix: Drinking Water
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
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Fluoranthene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Fluorene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Naphthalene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Phenanthrene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1
Pyrene	<0.19		0.19		ug/L		05/31/26 08:21	06/03/26 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*59*		*28 - 127*	*05/31/26 08:21*	*06/03/26 14:27*	*1*
2-Fluorobiphenyl (Surr)	*58*		*31 - 120*	*05/31/26 08:21*	*06/03/26 14:27*	*1*
2-Fluorophenol (Surr)	*32*		*17 - 120*	*05/31/26 08:21*	*06/03/26 14:27*	*1*
Nitrobenzene-d5 (Surr)	*52*		*27 - 120*	*05/31/26 08:21*	*06/03/26 14:27*	*1*
Phenol-d6 (Surr)	*19*		*10 - 120*	*05/31/26 08:21*	*06/03/26 14:27*	*1*
p-Terphenyl-d14 (Surr)	*53*		*45 - 120*	*05/31/26 08:21*	*06/03/26 14:27*	*1*

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

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*05/31/26 08:21*	*06/04/26 14:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*33 - 139*	*05/31/26 08:21*	*06/04/26 14:53*	*1*
2-Fluorobiphenyl (Surr)	*63*		*33 - 126*	*05/31/26 08:21*	*06/04/26 14:53*	*1*
2-Fluorophenol (Surr)	*36*		*12 - 120*	*05/31/26 08:21*	*06/04/26 14:53*	*1*
Nitrobenzene-d5 (Surr)	*83*		*36 - 120*	*05/31/26 08:21*	*06/04/26 14:53*	*1*
Phenol-d6 (Surr)	*21*		*10 - 120*	*05/31/26 08:21*	*06/04/26 14:53*	*1*
p-Terphenyl-d14 (Surr)	*68*		*47 - 131*	*05/31/26 08:21*	*06/04/26 14:53*	*1*

Method: SW846 8015B GRO LL - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			06/06/26 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*38 - 134*		*06/06/26 22:38*	*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		06/01/26 09:04	06/08/26 16:03	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		06/01/26 09:04	06/08/26 16:03	1
C8-C18	<26		26		ug/L		06/01/26 09:04	06/08/26 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*105*		*60 - 130*	*06/01/26 09:04*	*06/08/26 16:03*	*1*

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

Job ID: 380-216783-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Client Sample ID: TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 05/26/26 11:10
Date Received: 05/29/26 10:03

Lab Sample ID: 380-216783-2
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			06/06/26 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*38 - 134*		*06/06/26 19:31*	*1*

Action Limit Summary

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

Job ID: 380-216783-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-216783-1

PWSID Number: HI0000331

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 Limit	RL	Method	Prep Type
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	^3+	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: 380-216783-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Matrix: Drinking Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-216783-1	AIEA GULCH WELLS PUMP 2 (	97	93	108

Surrogate Legend

2NMX = 2-Nitro-m-xylene
PRY = Perylene-d12
TPP = Triphenylphosphate

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-217280-O-1-A MS	Matrix Spike	100	102	106
380-217305-Y-1-A DU	Duplicate	96	93	107
LCS 380-231718/23-A	Lab Control Sample	99	101	112
MB 380-231718/21-A	Method Blank	97	94	109
MRL 380-231718/22-A	Lab Control Sample	99	96	106

Surrogate Legend

2NMX = 2-Nitro-m-xylene
PRY = Perylene-d12
TPP = Triphenylphosphate

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

Matrix: Drinking Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
380-216783-1	AIEA GULCH WELLS PUMP 2 (	75	63	36	83	21	68

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
MB 570-746664/1-A	Method Blank	106	89	60	108	37	92

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**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(28-127)	(31-120)	(17-120)	(27-120)	(10-120)	(45-120)
380-216783-1	AIEA GULCH WELLS PUMP 2 (	59	58	32	52	19	53

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**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(28-127)	(31-120)	(17-120)	(27-120)	(10-120)	(45-120)
380-216586-A-1-A MS	Matrix Spike	80	79	54	69	37	78
380-216586-A-1-B MSD	Matrix Spike Duplicate	77	83	57	69	39	81
LCS 570-746664/2-A	Lab Control Sample	73	75	50	64	34	70
LCSD 570-746664/3-A	Lab Control Sample Dup	69	72	47	61	33	74
MB 570-746664/1-A	Method Blank	85	83	49	80	31	78

Surrogate Legend

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

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

Matrix: Drinking Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-216783-1	AIEA GULCH WELLS PUMP 2 (	91

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)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-216586-B-1 MS	Matrix Spike	100
380-216586-B-1 MSD	Matrix Spike Duplicate	89
380-216783-2	TB: AIEA GULCH WELLS PUMF 2 (331-202-TP072)	102

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-216783-1
Project/Site: RED-HILL
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (38-134)
LCS 570-750190/3	Lab Control Sample	98
LCSD 570-750190/4	Lab Control Sample Dup	98
MB 570-750190/6	Method Blank	102
MRL 570-750190/5	Lab Control Sample	99

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)
380-216783-1	AIEA GULCH WELLS PUMP 2 (	105

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)
380-216586-C-1-A MS	Matrix Spike	110
380-216586-C-1-B MSD	Matrix Spike Duplicate	102
LCS 570-747016/2-A	Lab Control Sample	108
LCSD 570-747016/3-A	Lab Control Sample Dup	109
MB 570-747016/1-A	Method Blank	103
MRL 570-747016/4-A	Lab Control Sample	98

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-231718/21-A
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 231718

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
2,4'-DDD	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
2,4'-DDE	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
2,4'-DDT	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
2-Methylnaphthalene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
4,4'-DDD	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
4,4'-DDE	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
4,4'-DDT	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Acenaphthene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Acenaphthylene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Acetochlor	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Alachlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
alpha-BHC	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
alpha-Chlordane	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Anthracene	<0.020		0.020		ug/L		06/04/26 14:32	06/05/26 13:59	1
Atrazine	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Benz(a)anthracene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Benzo[a]pyrene	<0.020		0.020		ug/L		06/04/26 14:32	06/05/26 13:59	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		06/04/26 14:32	06/05/26 13:59	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		06/04/26 14:32	06/05/26 13:59	1
beta-BHC	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		06/04/26 14:32	06/05/26 13:59	1
Bromacil	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Butachlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Butylbenzylphthalate	<0.49		0.49		ug/L		06/04/26 14:32	06/05/26 13:59	1
Chlorobenzilate	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Chloroneb	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Chlorpyrifos	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Chrysene	<0.020		0.020		ug/L		06/04/26 14:32	06/05/26 13:59	1
delta-BHC	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		06/04/26 14:32	06/05/26 13:59	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Dieldrin	<0.0098		0.0098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Diethylphthalate	<0.49		0.49		ug/L		06/04/26 14:32	06/05/26 13:59	1
Dimethylphthalate	<0.49		0.49		ug/L		06/04/26 14:32	06/05/26 13:59	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		06/04/26 14:32	06/05/26 13:59	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Endosulfan sulfate	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Endrin	<0.0098		0.0098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Endrin aldehyde	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
EPTC	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1

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

Lab Sample ID: MB 380-231718/21-A
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 231718

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Fluorene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
gamma-Chlordane	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Heptachlor	<0.0098		0.0098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Heptachlor epoxide (isomer B)	<0.0098	^3+	0.0098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Hexachlorobenzene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Isophorone	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Lindane	<0.0098		0.0098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Malathion	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Methoxychlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Metolachlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Molinate	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Naphthalene	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Parathion	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Phenanthrene	<0.039		0.039		ug/L		06/04/26 14:32	06/05/26 13:59	1
Propachlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Pyrene	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Simazine	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Terbacil	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Terbuthylazine	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Thiobencarb	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		06/04/26 14:32	06/05/26 13:59	1
trans-Nonachlor	<0.049		0.049		ug/L		06/04/26 14:32	06/05/26 13:59	1
Trifluralin	<0.098		0.098		ug/L		06/04/26 14:32	06/05/26 13:59	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*5.00*	*T J N*	*ug/L*		*3.11*	*1120-21-4*	*06/04/26 14:32*	*06/05/26 13:59*	*1*
Phenol, 4-(1,1-dimethylpropyl)-	*0.493*	*T J N*	*ug/L*		*4.26*	*80-46-6*	*06/04/26 14:32*	*06/05/26 13:59*	*1*
9-Octadecenamide, (Z)-	*3.95*	*T J N*	*ug/L*		*7.88*	*301-02-0*	*06/04/26 14:32*	*06/05/26 13:59*	*1*
Octadecanamide	*0.493*	*T J N*	*ug/L*		*7.99*	*124-26-5*	*06/04/26 14:32*	*06/05/26 13:59*	*1*
13-Docosenamide, (Z)-	*2.76*	*T J N*	*ug/L*		*10.42*	*112-84-5*	*06/04/26 14:32*	*06/05/26 13:59*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*06/04/26 14:32*	*06/05/26 13:59*	*1*
Perylene-d12	*94*		*70 - 130*	*06/04/26 14:32*	*06/05/26 13:59*	*1*
Triphenylphosphate	*109*		*70 - 130*	*06/04/26 14:32*	*06/05/26 13:59*	*1*

Lab Sample ID: LCS 380-231718/23-A
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231718

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			1.97	1.96		ug/L		99	70 - 130		
2,4'-DDD			1.97	2.14		ug/L		109	70 - 130		
2,4'-DDE			1.97	2.07		ug/L		105	70 - 130		

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

Lab Sample ID: LCS 380-231718/23-A
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDT	1.97	2.02		ug/L		103	70 - 130
2,4-Dinitrotoluene	1.97	2.27		ug/L		115	70 - 130
2,6-Dinitrotoluene	1.97	2.27		ug/L		115	70 - 130
2-Methylnaphthalene	1.97	1.93		ug/L		98	70 - 130
4,4'-DDD	1.97	2.06		ug/L		105	70 - 130
4,4'-DDE	1.97	1.95		ug/L		99	70 - 130
4,4'-DDT	1.97	2.04		ug/L		104	70 - 130
Acenaphthene	1.97	1.99		ug/L		101	70 - 130
Acenaphthylene	1.97	1.72		ug/L		87	70 - 130
Acetochlor	1.97	2.13		ug/L		108	70 - 130
Alachlor	1.97	2.11		ug/L		107	70 - 130
alpha-BHC	1.97	1.92		ug/L		97	70 - 130
alpha-Chlordane	1.97	2.03		ug/L		103	70 - 130
Anthracene	1.97	1.91		ug/L		97	70 - 130
Atrazine	1.97	2.18		ug/L		110	70 - 130
Benz(a)anthracene	1.97	2.24		ug/L		114	70 - 130
Benzo[a]pyrene	1.97	2.18		ug/L		111	70 - 130
Benzo[b]fluoranthene	1.97	2.17		ug/L		110	70 - 130
Benzo[g,h,i]perylene	1.97	2.30		ug/L		117	70 - 130
Benzo[k]fluoranthene	1.97	2.17		ug/L		110	70 - 130
beta-BHC	1.97	2.06		ug/L		104	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.08		ug/L		106	70 - 130
Bromacil	1.97	2.05		ug/L		104	70 - 130
Butachlor	1.97	2.16		ug/L		110	70 - 130
Butylbenzylphthalate	1.97	2.29		ug/L		116	70 - 130
Chlorobenzilate	1.97	2.16		ug/L		110	70 - 130
Chloroneb	1.97	2.03		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.19		ug/L		111	70 - 130
Chlorpyrifos	1.97	2.00		ug/L		101	70 - 130
Chrysene	1.97	1.93		ug/L		98	70 - 130
delta-BHC	1.97	2.00		ug/L		101	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.34		ug/L		119	70 - 130
Dibenz(a,h)anthracene	1.97	2.31		ug/L		117	70 - 130
Diclorvos (DDVP)	1.97	2.13		ug/L		108	70 - 130
Dieldrin	1.97	2.29		ug/L		116	70 - 130
Diethylphthalate	1.97	2.17		ug/L		110	70 - 130
Dimethylphthalate	1.97	2.05		ug/L		104	70 - 130
Di-n-butyl phthalate	3.94	4.60		ug/L		117	70 - 130
Di-n-octyl phthalate	1.97	2.10		ug/L		107	70 - 130
Endosulfan I (Alpha)	1.97	2.01		ug/L		102	70 - 130
Endosulfan II (Beta)	1.97	1.93		ug/L		98	70 - 130
Endosulfan sulfate	1.97	2.22		ug/L		113	70 - 130
Endrin	1.97	2.53		ug/L		128	70 - 130
Endrin aldehyde	1.97	2.13		ug/L		108	60 - 130
EPTC	1.97	2.01		ug/L		102	70 - 130
Fluoranthene	1.97	2.00		ug/L		101	70 - 130
Fluorene	1.97	1.96		ug/L		99	70 - 130
gamma-Chlordane	1.97	2.05		ug/L		104	70 - 130
Heptachlor	1.97	2.24		ug/L		114	70 - 130

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

Lab Sample ID: LCS 380-231718/23-A
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor epoxide (isomer B)	1.97	2.04		ug/L		103	70 - 130
Hexachlorobenzene	1.97	1.79		ug/L		91	70 - 130
Hexachlorocyclopentadiene	1.97	1.99		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.43		ug/L		124	70 - 130
Isophorone	1.97	1.91		ug/L		97	70 - 130
Lindane	1.97	2.29		ug/L		116	70 - 130
Malathion	1.97	2.08		ug/L		105	70 - 130
Methoxychlor	1.97	1.95		ug/L		99	70 - 130
Metolachlor	1.97	2.10		ug/L		107	70 - 130
Molinate	1.97	2.06		ug/L		105	70 - 130
Naphthalene	1.97	1.90		ug/L		97	70 - 130
Parathion	1.97	2.44		ug/L		124	70 - 130
Pendimethalin (Penoxaline)	1.97	2.33		ug/L		118	70 - 130
Phenanthrene	1.97	1.90		ug/L		97	70 - 130
Propachlor	1.97	2.19		ug/L		111	70 - 130
Pyrene	1.97	2.07		ug/L		105	70 - 130
Simazine	1.97	2.15		ug/L		109	70 - 130
Terbacil	1.97	2.31		ug/L		117	70 - 130
Terbuthylazine	1.97	2.14		ug/L		109	70 - 130
Thiobencarb	1.97	2.14		ug/L		108	70 - 130
trans-Nonachlor	1.97	1.95		ug/L		99	70 - 130
Trifluralin	1.97	2.38		ug/L		121	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*101*		*70 - 130*
Triphenylphosphate	*112*		*70 - 130*

Lab Sample ID: MRL 380-231718/22-A
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231718

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0987	0.0930	J	ug/L		94	50 - 150
2,4'-DDD	0.0987	0.0795	J	ug/L		81	50 - 150
2,4'-DDE	0.0987	0.0908	J	ug/L		92	50 - 150
2,4'-DDT	0.0987	0.104		ug/L		105	50 - 150
2,4-Dinitrotoluene	0.0987	0.128		ug/L		130	50 - 150
2,6-Dinitrotoluene	0.0987	0.120		ug/L		121	50 - 150
2-Methylnaphthalene	0.0987	0.0975	J	ug/L		99	50 - 150
4,4'-DDD	0.0987	0.101		ug/L		103	50 - 150
4,4'-DDE	0.0987	0.114		ug/L		116	50 - 150
4,4'-DDT	0.0987	0.105		ug/L		106	50 - 150
Acenaphthene	0.0987	0.0911	J	ug/L		92	50 - 150
Acenaphthylene	0.0987	0.0790	J	ug/L		80	50 - 150
Acetochlor	0.0987	0.114		ug/L		116	50 - 150
Alachlor	0.0493	0.0708		ug/L		144	50 - 150
alpha-BHC	0.0987	0.105		ug/L		107	50 - 150

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

Lab Sample ID: MRL 380-231718/22-A
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231718

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
alpha-Chlordane	0.0247	<0.029		ug/L		117	50 - 150
Anthracene	0.0197	0.0255		ug/L		129	50 - 150
Atrazine	0.0493	0.0522		ug/L		106	50 - 150
Benz(a)anthracene	0.0493	0.0528		ug/L		107	50 - 150
Benzo[a]pyrene	0.0197	0.0208		ug/L		106	50 - 150
Benzo[b]fluoranthene	0.0197	0.0197	J	ug/L		100	50 - 150
Benzo[g,h,i]perylene	0.0493	0.0653		ug/L		132	50 - 150
Benzo[k]fluoranthene	0.0197	0.0205		ug/L		104	50 - 150
beta-BHC	0.0987	0.108		ug/L		109	50 - 150
Bis(2-ethylhexyl) phthalate	0.592	0.644		ug/L		109	50 - 150
Bromacil	0.0987	0.126		ug/L		128	50 - 150
Butachlor	0.0493	0.0707		ug/L		143	50 - 150
Butylbenzylphthalate	0.493	0.551		ug/L		112	50 - 150
Chlorobenzilate	0.0987	0.119		ug/L		121	50 - 150
Chloroneb	0.0987	0.0980	J	ug/L		99	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0987	0.104		ug/L		105	50 - 150
Chlorpyrifos	0.0493	0.0687		ug/L		139	50 - 150
Chrysene	0.0197	0.0179	J	ug/L		91	50 - 150
delta-BHC	0.0987	0.112		ug/L		113	50 - 150
Di(2-ethylhexyl)adipate	0.592	0.716		ug/L		121	50 - 150
Dibenz(a,h)anthracene	0.0493	0.0565		ug/L		115	50 - 150
Diclorvos (DDVP)	0.0493	0.0676		ug/L		137	50 - 150
Dieldrin	0.00987	0.0120		ug/L		122	50 - 150
Diethylphthalate	0.493	0.516		ug/L		105	50 - 150
Dimethylphthalate	0.493	0.497		ug/L		101	50 - 150
Di-n-butyl phthalate	0.493	0.646	J	ug/L		131	49 - 243
Di-n-octyl phthalate	0.0987	0.118		ug/L		120	50 - 150
Endosulfan I (Alpha)	0.0987	0.0945	J	ug/L		96	50 - 150
Endosulfan II (Beta)	0.0987	0.122		ug/L		124	50 - 150
Endosulfan sulfate	0.0987	0.115		ug/L		117	50 - 150
Endrin	0.00987	0.0112		ug/L		113	50 - 150
Endrin aldehyde	0.0987	0.129		ug/L		131	50 - 150
EPTC	0.0987	0.101		ug/L		103	50 - 150
Fluoranthene	0.0987	0.107		ug/L		108	50 - 150
Fluorene	0.0493	0.0525		ug/L		106	50 - 150
gamma-Chlordane	0.0247	0.0335	J	ug/L		136	50 - 150
Heptachlor	0.00987	0.0130		ug/L		132	50 - 150
Heptachlor epoxide (isomer B)	0.00987	0.0150	^3+	ug/L		152	50 - 150
Hexachlorobenzene	0.0493	0.0666		ug/L		135	50 - 150
Hexachlorocyclopentadiene	0.0493	<0.037		ug/L		73	50 - 150
Indeno[1,2,3-cd]pyrene	0.0493	0.0631		ug/L		128	50 - 150
Isophorone	0.0987	0.104		ug/L		105	50 - 150
Lindane	0.00987	0.0104		ug/L		105	50 - 150
Malathion	0.0987	0.117		ug/L		119	50 - 150
Methoxychlor	0.0493	0.0677		ug/L		137	50 - 150
Metolachlor	0.0493	0.0566		ug/L		115	50 - 150
Molinate	0.0987	0.113		ug/L		115	50 - 150
Naphthalene	0.0987	0.0862	J	ug/L		87	50 - 150
Parathion	0.0987	0.108		ug/L		110	50 - 150

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

Lab Sample ID: MRL 380-231718/22-A
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231718

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Pendimethalin (Penoxaline)	0.0987	0.107		ug/L		108	50 - 150
Phenanthrene	0.0395	0.0427		ug/L		108	50 - 150
Propachlor	0.0493	0.0719		ug/L		146	50 - 150
Pyrene	0.0493	0.0542		ug/L		110	50 - 150
Simazine	0.0493	0.0659		ug/L		134	50 - 150
Terbacil	0.0987	0.133		ug/L		135	50 - 150
Terbuthylazine	0.0987	0.103		ug/L		104	50 - 150
Thiobencarb	0.0987	0.102		ug/L		104	50 - 150
trans-Nonachlor	0.0247	0.0265	J	ug/L		107	50 - 150
Trifluralin	0.0987	0.118		ug/L		120	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*96*		*70 - 130*
Triphenylphosphate	*106*		*70 - 130*

Lab Sample ID: 380-217280-O-1-A MS
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 231718

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.098		1.96	1.98		ug/L		101	70 - 130
2,4'-DDD	<0.098		1.96	2.10		ug/L		107	70 - 130
2,4'-DDE	<0.098		1.96	1.97		ug/L		101	70 - 130
2,4'-DDT	<0.098		1.96	1.95		ug/L		100	70 - 130
2,4-Dinitrotoluene	<0.098		1.96	2.26		ug/L		115	70 - 130
2,6-Dinitrotoluene	<0.098		1.96	2.30		ug/L		117	70 - 130
2-Methylnaphthalene	<0.098		1.96	1.97		ug/L		100	70 - 130
4,4'-DDD	<0.098		1.96	2.01		ug/L		103	70 - 130
4,4'-DDE	<0.098		1.96	1.88		ug/L		96	70 - 130
4,4'-DDT	<0.098		1.96	1.96		ug/L		100	70 - 130
Acenaphthene	<0.098		1.96	2.02		ug/L		103	70 - 130
Acenaphthylene	<0.098		1.96	1.88		ug/L		96	70 - 130
Acetochlor	<0.098		1.96	2.14		ug/L		109	70 - 130
Alachlor	<0.049		1.96	2.08		ug/L		106	70 - 130
alpha-BHC	<0.098		1.96	1.93		ug/L		99	70 - 130
alpha-Chlordane	<0.049		1.96	1.99		ug/L		102	70 - 130
Anthracene	<0.020		1.96	1.55		ug/L		79	70 - 130
Atrazine	<0.049		1.96	2.15		ug/L		110	70 - 130
Benz(a)anthracene	<0.049		1.96	2.11		ug/L		108	70 - 130
Benzo[a]pyrene	<0.020		1.96	2.10		ug/L		107	70 - 130
Benzo[b]fluoranthene	<0.020		1.96	2.16		ug/L		110	70 - 130
Benzo[g,h,i]perylene	<0.049		1.96	2.34		ug/L		120	70 - 130
Benzo[k]fluoranthene	<0.020		1.96	2.21		ug/L		113	70 - 130
beta-BHC	<0.098		1.96	2.08		ug/L		106	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.96	2.09		ug/L		107	70 - 130
Bromacil	<0.098		1.96	2.04		ug/L		104	70 - 130
Butachlor	<0.049		1.96	2.19		ug/L		112	70 - 130

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

Lab Sample ID: 380-217280-O-1-A MS
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 231718

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Butylbenzylphthalate	<0.49		1.96	2.26		ug/L		116	70 - 130
Chlorobenzilate	<0.098		1.96	2.13		ug/L		109	70 - 130
Chloroneb	<0.098		1.96	2.07		ug/L		106	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.96	2.17		ug/L		111	70 - 130
Chlorpyrifos	<0.049		1.96	2.01		ug/L		103	70 - 130
Chrysene	<0.020		1.96	1.93		ug/L		99	70 - 130
delta-BHC	<0.098		1.96	1.92		ug/L		98	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.96	2.23		ug/L		114	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	2.32		ug/L		118	70 - 130
Diclorvos (DDVP)	<0.049		1.96	2.13		ug/L		109	70 - 130
Dieldrin	<0.0098		1.96	2.28		ug/L		116	70 - 130
Diethylphthalate	<0.49		1.96	2.14		ug/L		110	70 - 130
Dimethylphthalate	<0.49		1.96	2.05		ug/L		105	70 - 130
Di-n-butyl phthalate	<0.98		3.91	4.40		ug/L		107	70 - 130
Di-n-octyl phthalate	<0.098		1.96	2.05		ug/L		105	70 - 130
Endosulfan I (Alpha)	<0.098		1.96	2.02		ug/L		103	70 - 130
Endosulfan II (Beta)	<0.098		1.96	1.92		ug/L		98	70 - 130
Endosulfan sulfate	<0.098		1.96	2.19		ug/L		112	70 - 130
Endrin	<0.0098		1.96	2.50		ug/L		128	70 - 130
Endrin aldehyde	<0.098		1.96	1.83		ug/L		94	60 - 130
EPTC	<0.098		1.96	2.05		ug/L		105	70 - 130
Fluoranthene	<0.098		1.96	1.93		ug/L		99	70 - 130
Fluorene	<0.049		1.96	1.98		ug/L		101	70 - 130
gamma-Chlordane	<0.049		1.96	2.06		ug/L		105	70 - 130
Heptachlor	<0.0098		1.96	2.21		ug/L		113	70 - 130
Heptachlor epoxide (isomer B)	<0.0098	^3+	1.96	2.06		ug/L		105	70 - 130
Hexachlorobenzene	<0.049		1.96	1.84		ug/L		94	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	1.98		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	2.50		ug/L		128	70 - 130
Isophorone	<0.098		1.96	1.92		ug/L		98	70 - 130
Lindane	<0.0098		1.96	2.22		ug/L		114	70 - 130
Malathion	<0.098		1.96	2.01		ug/L		103	70 - 130
Methoxychlor	<0.049		1.96	2.00		ug/L		102	70 - 130
Metolachlor	<0.049		1.96	2.06		ug/L		105	70 - 130
Molinate	<0.098		1.96	2.05		ug/L		105	70 - 130
Naphthalene	<0.098		1.96	1.95		ug/L		100	70 - 130
Parathion	<0.098		1.96	2.38		ug/L		122	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.96	2.24		ug/L		115	70 - 130
Phenanthrene	<0.039		1.96	1.93		ug/L		99	70 - 130
Propachlor	<0.049		1.96	2.18		ug/L		112	70 - 130
Pyrene	<0.049		1.96	2.02		ug/L		103	70 - 130
Simazine	<0.049		1.96	2.10		ug/L		108	70 - 130
Terbacil	<0.098		1.96	2.28		ug/L		116	70 - 130
Terbuthylazine	<0.098		1.96	2.14		ug/L		110	70 - 130
Thiobencarb	<0.098		1.96	2.06		ug/L		105	70 - 130
trans-Nonachlor	<0.049		1.96	1.96		ug/L		100	70 - 130
Trifluralin	<0.098		1.96	2.38		ug/L		122	70 - 130

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

Lab Sample ID: 380-217280-O-1-A MS
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 231718

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*100*		*70 - 130*
Perylene-d12	*102*		*70 - 130*
Triphenylphosphate	*106*		*70 - 130*

Lab Sample ID: 380-217305-Y-1-A DU
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 231718

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
2,4'-DDD	<0.098			<0.098		ug/L				NC	20
2,4'-DDE	<0.098			<0.098		ug/L				NC	20
2,4'-DDT	<0.098			<0.098		ug/L				NC	20
2,4-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2,6-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
4,4'-DDD	<0.098			<0.098		ug/L				NC	20
4,4'-DDE	<0.098			<0.098		ug/L				NC	20
4,4'-DDT	<0.098			<0.098		ug/L				NC	20
Acenaphthene	<0.098			<0.098		ug/L				NC	20
Acenaphthylene	<0.098			<0.098		ug/L				NC	20
Acetochlor	<0.098			<0.098		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.098			<0.098		ug/L				NC	20
alpha-Chlordane	<0.049			<0.049		ug/L				NC	20
Anthracene	<0.020			<0.020		ug/L				NC	20
Atrazine	<0.049			<0.049		ug/L				NC	20
Benz(a)anthracene	<0.049			<0.049		ug/L				NC	20
Benzo[a]pyrene	<0.020			<0.020		ug/L				NC	20
Benzo[b]fluoranthene	<0.020			<0.020		ug/L				NC	20
Benzo[g,h,i]perylene	<0.049			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.020			<0.020		ug/L				NC	20
beta-BHC	<0.098			<0.098		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.59			<0.59		ug/L				NC	20
Bromacil	<0.098			<0.098		ug/L				NC	20
Butachlor	<0.049			<0.049		ug/L				NC	20
Butylbenzylphthalate	<0.49			<0.49		ug/L				NC	20
Chlorobenzilate	<0.098			<0.098		ug/L				NC	20
Chloroneb	<0.098			<0.098		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.098			<0.098		ug/L				NC	20
Chlorpyrifos	<0.049			<0.049		ug/L				NC	20
Chrysene	<0.020			<0.020		ug/L				NC	20
delta-BHC	<0.098			<0.098		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.59			<0.59		ug/L				NC	20
Dibenz(a,h)anthracene	<0.049			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.049			<0.049		ug/L				NC	20
Dieldrin	0.029			0.0326		ug/L				12	20
Diethylphthalate	<0.49			<0.49		ug/L				NC	20

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

Lab Sample ID: 380-217305-Y-1-A DU
Matrix: Water
Analysis Batch: 231954

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 231718

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.98			<0.98		ug/L				NC	20
Di-n-octyl phthalate	<0.098			<0.098		ug/L				NC	20
Endosulfan I (Alpha)	<0.098			<0.098		ug/L				NC	20
Endosulfan II (Beta)	<0.098			<0.098		ug/L				NC	20
Endosulfan sulfate	<0.098			<0.098		ug/L				NC	20
Endrin	<0.0098			<0.0098		ug/L				NC	20
Endrin aldehyde	<0.098			<0.098		ug/L				NC	20
EPTC	<0.098			<0.098		ug/L				NC	20
Fluoranthene	<0.098			<0.098		ug/L				NC	20
Fluorene	<0.049			<0.049		ug/L				NC	20
gamma-Chlordane	<0.049			<0.049		ug/L				NC	20
Heptachlor	<0.0098			<0.0098		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0098	^3+		<0.0098		ug/L				NC	20
Hexachlorobenzene	<0.049			<0.049		ug/L				NC	20
Hexachlorocyclopentadiene	<0.049			<0.049		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.049			<0.049		ug/L				NC	20
Isophorone	<0.098			<0.098		ug/L				NC	20
Lindane	<0.0098			<0.0098		ug/L				NC	20
Malathion	<0.098			<0.098		ug/L				NC	20
Methoxychlor	<0.049			<0.049		ug/L				NC	20
Metolachlor	<0.049			<0.049		ug/L				NC	20
Molinate	<0.098			<0.098		ug/L				NC	20
Naphthalene	<0.098			<0.098		ug/L				NC	20
Parathion	<0.098			<0.098		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.098			<0.098		ug/L				NC	20
Phenanthrene	<0.039			<0.039		ug/L				NC	20
Propachlor	<0.049			<0.049		ug/L				NC	20
Pyrene	<0.049			<0.049		ug/L				NC	20
Simazine	<0.049			<0.049		ug/L				NC	20
Terbacil	<0.098			<0.098		ug/L				NC	20
Terbuthylazine	<0.098			<0.098		ug/L				NC	20
Thiobencarb	<0.098			<0.098		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.20			<0.20		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.098			<0.098		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*93*		*70 - 130*
Triphenylphosphate	*107*		*70 - 130*

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

Lab Sample ID: MB 570-746664/1-A
Matrix: Water
Analysis Batch: 749030

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746664

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	05/31/26 08:21	06/04/26 11:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	106		33 - 139	05/31/26 08:21	06/04/26 11:39	1
2-Fluorobiphenyl (Surr)	89		33 - 126	05/31/26 08:21	06/04/26 11:39	1
2-Fluorophenol (Surr)	60		12 - 120	05/31/26 08:21	06/04/26 11:39	1
Nitrobenzene-d5 (Surr)	108		36 - 120	05/31/26 08:21	06/04/26 11:39	1
Phenol-d6 (Surr)	37		10 - 120	05/31/26 08:21	06/04/26 11:39	1
p-Terphenyl-d14 (Surr)	92		47 - 131	05/31/26 08:21	06/04/26 11:39	1

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

Lab Sample ID: MB 570-746664/1-A
Matrix: Water
Analysis Batch: 748206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746664

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
2-Methylnaphthalene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Acenaphthene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Acenaphthylene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Anthracene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Benzo[a]anthracene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Benzo[a]pyrene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Chrysene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Fluoranthene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Fluorene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Naphthalene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Phenanthrene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1
Pyrene	<0.20		0.20		ug/L		05/31/26 08:21	06/03/26 07:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		28 - 127	05/31/26 08:21	06/03/26 07:55	1
2-Fluorobiphenyl (Surr)	83		31 - 120	05/31/26 08:21	06/03/26 07:55	1
2-Fluorophenol (Surr)	49		17 - 120	05/31/26 08:21	06/03/26 07:55	1
Nitrobenzene-d5 (Surr)	80		27 - 120	05/31/26 08:21	06/03/26 07:55	1
Phenol-d6 (Surr)	31		10 - 120	05/31/26 08:21	06/03/26 07:55	1
p-Terphenyl-d14 (Surr)	78		45 - 120	05/31/26 08:21	06/03/26 07:55	1

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

Lab Sample ID: LCS 570-746664/2-A
Matrix: Water
Analysis Batch: 748206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746664

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	13.7		ug/L		69	47 - 120		
2-Methylnaphthalene			20.0	12.3		ug/L		61	43 - 120		
Acenaphthene			20.0	15.6		ug/L		78	60 - 132		
Acenaphthylene			20.0	15.5		ug/L		77	54 - 126		
Anthracene			20.0	15.2		ug/L		76	43 - 120		
Benzo[a]anthracene			20.0	14.3		ug/L		71	42 - 133		
Benzo[a]pyrene			20.0	15.1		ug/L		75	32 - 148		
Benzo[b]fluoranthene			20.0	14.1		ug/L		71	42 - 140		
Benzo[g,h,i]perylene			20.0	13.9		ug/L		69	1 - 195		
Benzo[k]fluoranthene			20.0	14.2		ug/L		71	25 - 146		
Chrysene			20.0	13.5		ug/L		68	44 - 140		
Dibenz(a,h)anthracene			20.0	15.2		ug/L		76	1 - 200		
Fluoranthene			20.0	15.7		ug/L		78	43 - 121		
Fluorene			20.0	15.7		ug/L		78	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	14.6		ug/L		73	1 - 151		
Naphthalene			20.0	12.9		ug/L		65	36 - 120		
Phenanthrene			20.0	15.2		ug/L		76	65 - 120		
Pyrene			20.0	14.4		ug/L		72	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*73*		*28 - 127*
2-Fluorobiphenyl (Surr)	*75*		*31 - 120*
2-Fluorophenol (Surr)	*50*		*17 - 120*
Nitrobenzene-d5 (Surr)	*64*		*27 - 120*
Phenol-d6 (Surr)	*34*		*10 - 120*
p-Terphenyl-d14 (Surr)	*70*		*45 - 120*

Lab Sample ID: LCSD 570-746664/3-A
Matrix: Water
Analysis Batch: 748206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 746664

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	13.0		ug/L		65	47 - 120	6	20
2-Methylnaphthalene			20.0	11.1		ug/L		56	43 - 120	10	20
Acenaphthene			20.0	15.2		ug/L		76	60 - 132	3	29
Acenaphthylene			20.0	14.9		ug/L		75	54 - 126	4	45
Anthracene			20.0	14.4		ug/L		72	43 - 120	5	40
Benzo[a]anthracene			20.0	15.4		ug/L		77	42 - 133	8	32
Benzo[a]pyrene			20.0	16.3		ug/L		82	32 - 148	8	43
Benzo[b]fluoranthene			20.0	15.6		ug/L		78	42 - 140	10	43
Benzo[g,h,i]perylene			20.0	15.7		ug/L		79	1 - 195	12	61
Benzo[k]fluoranthene			20.0	15.7		ug/L		79	25 - 146	10	38
Chrysene			20.0	15.1		ug/L		76	44 - 140	11	53
Dibenz(a,h)anthracene			20.0	17.0		ug/L		85	1 - 200	11	75
Fluoranthene			20.0	15.0		ug/L		75	43 - 121	4	40
Fluorene			20.0	15.2		ug/L		76	70 - 120	3	23
Indeno[1,2,3-cd]pyrene			20.0	16.0		ug/L		80	1 - 151	9	60
Naphthalene			20.0	11.9		ug/L		60	36 - 120	8	39

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

Lab Sample ID: LCSD 570-746664/3-A
Matrix: Water
Analysis Batch: 748206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 746664

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	15.2		ug/L		76	65 - 120	0	24
Pyrene			20.0	15.6		ug/L		78	70 - 120	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*69*		*28 - 127*
2-Fluorobiphenyl (Surr)	*72*		*31 - 120*
2-Fluorophenol (Surr)	*47*		*17 120*
Nitrobenzene-d5 (Surr)	*61*		*27 - 120*
Phenol-d6 (Surr)	*33*		*10 - 120*
p-Terphenyl-d14 (Surr)	*74*		*45 - 120*

Lab Sample ID: 380-216586-A-1-A MS
Matrix: Water
Analysis Batch: 748206

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 746664

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.6	14.6		ug/L		74	36 - 120
2-Methylnaphthalene	<0.19		19.6	13.0		ug/L		66	32 - 124
Acenaphthene	<0.19		19.6	16.6		ug/L		85	47 - 145
Acenaphthylene	<0.19		19.6	16.5		ug/L		84	33 - 145
Anthracene	<0.19		19.6	15.4		ug/L		78	27 - 133
Benzo[a]anthracene	<0.19		19.6	16.3		ug/L		83	33 - 143
Benzo[a]pyrene	<0.19		19.6	17.7		ug/L		90	17 - 163
Benzo[b]fluoranthene	<0.19		19.6	16.6		ug/L		84	24 - 159
Benzo[g,h,i]perylene	<0.19		19.6	16.6		ug/L		85	1 - 219
Benzo[k]fluoranthene	<0.19		19.6	16.4		ug/L		84	11 - 162
Chrysene	<0.19		19.6	16.5		ug/L		84	17 - 168
Dibenz(a,h)anthracene	<0.19		19.6	17.8		ug/L		90	1 - 227
Fluoranthene	<0.19		19.6	16.2		ug/L		83	26 - 137
Fluorene	<0.19		19.6	16.9		ug/L		86	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.6	17.2		ug/L		88	1 - 171
Naphthalene	<0.19		19.6	13.6		ug/L		69	21 - 133
Phenanthrene	<0.19		19.6	16.5		ug/L		84	54 - 120
Pyrene	<0.19		19.6	17.1		ug/L		87	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*28 - 127*
2-Fluorobiphenyl (Surr)	*79*		*31 - 120*
2-Fluorophenol (Surr)	*54*		*17 - 120*
Nitrobenzene-d5 (Surr)	*69*		*27 - 120*
Phenol-d6 (Surr)	*37*		*10 - 120*
p-Terphenyl-d14 (Surr)	*78*		*45 - 120*

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

Lab Sample ID: 380-216586-A-1-B MSD
Matrix: Water
Analysis Batch: 748206

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 746664

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.6	14.8		ug/L		75	36 - 120	1	30
2-Methylnaphthalene	<0.19		19.6	13.1		ug/L		67	32 - 124	1	30
Acenaphthene	<0.19		19.6	16.6		ug/L		85	47 - 145	0	48
Acenaphthylene	<0.19		19.6	16.7		ug/L		85	33 - 145	1	74
Anthracene	<0.19		19.6	15.8		ug/L		81	27 - 133	3	66
Benzo[a]anthracene	<0.19		19.6	17.6		ug/L		90	33 - 143	8	53
Benzo[a]pyrene	<0.19		19.6	18.6		ug/L		95	17 - 163	5	72
Benzo[b]fluoranthene	<0.19		19.6	17.7		ug/L		90	24 - 159	7	71
Benzo[g,h,i]perylene	<0.19		19.6	17.3		ug/L		88	1 - 219	4	97
Benzo[k]fluoranthene	<0.19		19.6	17.5		ug/L		89	11 - 162	6	63
Chrysene	<0.19		19.6	16.8		ug/L		86	17 - 168	2	87
Dibenz(a,h)anthracene	<0.19		19.6	18.6		ug/L		95	1 - 227	4	126
Fluoranthene	<0.19		19.6	16.3		ug/L		83	26 - 137	0	66
Fluorene	<0.19		19.6	16.7		ug/L		85	59 - 121	1	38
Indeno[1,2,3-cd]pyrene	<0.19		19.6	17.7		ug/L		90	1 - 171	2	99
Naphthalene	<0.19		19.6	13.7		ug/L		70	21 - 133	0	65
Phenanthrene	<0.19		19.6	17.1		ug/L		87	54 - 120	4	39
Pyrene	<0.19		19.6	18.1		ug/L		92	52 - 120	6	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*28 - 127*
2-Fluorobiphenyl (Surr)	*83*		*31 - 120*
2-Fluorophenol (Surr)	*57*		*17 - 120*
Nitrobenzene-d5 (Surr)	*69*		*27 - 120*
Phenol-d6 (Surr)	*39*		*10 - 120*
p-Terphenyl-d14 (Surr)	*81*		*45 - 120*

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

Lab Sample ID: MB 570-750190/6
Matrix: Water
Analysis Batch: 750190

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			06/06/26 13:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*38 - 134*		*06/06/26 13:51*	*1*

Lab Sample ID: LCS 570-750190/3
Matrix: Water
Analysis Batch: 750190

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	400	404		ug/L		101	78 - 120

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

Lab Sample ID: LCS 570-750190/3
Matrix: Water
Analysis Batch: 750190

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*38 - 134*

Lab Sample ID: LCSD 570-750190/4
Matrix: Water
Analysis Batch: 750190

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	424		ug/L		106	78 - 120	5	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*38 - 134*

Lab Sample ID: MRL 570-750190/5
Matrix: Water
Analysis Batch: 750190

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	14.0		ug/L		140	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*38 - 134*

Lab Sample ID: 380-216586-B-1 MS
Matrix: Water
Analysis Batch: 750190

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	402		ug/L		101	68 - 122		

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

Lab Sample ID: 380-216586-B-1 MSD
Matrix: Water
Analysis Batch: 750190

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	399		ug/L		100	68 - 122	1	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*38 - 134*

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

Lab Sample ID: MB 570-747016/1-A
Matrix: Water
Analysis Batch: 750788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 747016

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		06/01/26 09:03	06/08/26 11:46	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		06/01/26 09:03	06/08/26 11:46	1
C8-C18	<25		25		ug/L		06/01/26 09:03	06/08/26 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*103*		*60 - 130*	*06/01/26 09:03*	*06/08/26 11:46*	*1*

Lab Sample ID: LCS 570-747016/2-A
Matrix: Water
Analysis Batch: 750788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747016

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1720		ug/L		108	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*108*		*60 - 130*

Lab Sample ID: LCSD 570-747016/3-A
Matrix: Water
Analysis Batch: 750788

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 747016

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1680		ug/L		105	56 - 127	2	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*109*		*60 - 130*

Lab Sample ID: MRL 570-747016/4-A
Matrix: Water
Analysis Batch: 750788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 747016

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0311	^3+	mg/L		156	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*98*		*60 - 130*

Lab Sample ID: 380-216586-C-1-A MS
Matrix: Water
Analysis Batch: 750788

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 747016

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<25	^3+	1650	1800		ug/L		109	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*110*		*60 - 130*

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

Lab Sample ID: 380-216586-C-1-B MSD
Matrix: Water
Analysis Batch: 750788

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 747016

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<25	^3+	1660	1720		ug/L		104	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*102*		*60 - 130*

GC/MS Semi VOA

Prep Batch: 231718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-216783-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
MB 380-231718/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-231718/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-231718/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-217280-O-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-217305-Y-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 231954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-216783-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	231718
MB 380-231718/21-A	Method Blank	Total/NA	Water	525.2	231718
LCS 380-231718/23-A	Lab Control Sample	Total/NA	Water	525.2	231718
MRL 380-231718/22-A	Lab Control Sample	Total/NA	Water	525.2	231718
380-217280-O-1-A MS	Matrix Spike	Total/NA	Water	525.2	231718
380-217305-Y-1-A DU	Duplicate	Total/NA	Water	525.2	231718

Prep Batch: 746664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-216783-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	
MB 570-746664/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-746664/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-746664/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-216586-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-216586-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 748206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-216783-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1 SIM	746664
MB 570-746664/1-A	Method Blank	Total/NA	Water	625.1 SIM	746664
LCS 570-746664/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	746664
LCSD 570-746664/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	746664
380-216586-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	746664
380-216586-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	746664

Analysis Batch: 749030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-216783-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	746664
MB 570-746664/1-A	Method Blank	Total/NA	Water	625.1	746664

GC VOA

Analysis Batch: 750190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-216783-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B GRO LL	
380-216783-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC	Total/NA	Water	8015B GRO LL	
MB 570-750190/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-750190/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-750190/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-750190/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-216586-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-216586-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-216783-1
SDG: Weekly: Aiea Gulch Wells Pump 2

GC Semi VOA

Prep Batch: 747016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-216783-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	3510C	
MB 570-747016/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-747016/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-747016/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-747016/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-216586-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-216586-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 750788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-216783-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	747016
MB 570-747016/1-A	Method Blank	Total/NA	Water	8015B	747016
LCS 570-747016/2-A	Lab Control Sample	Total/NA	Water	8015B	747016
LCSD 570-747016/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	747016
MRL 570-747016/4-A	Lab Control Sample	Total/NA	Water	8015B	747016
380-216586-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	747016
380-216586-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	747016

Lab Chronicle

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

Job ID: 380-216783-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-216783-1

Date Collected: 05/26/26 11:10
Date Received: 05/29/26 10:03

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			231718	IQ42	EA POM	06/04/26 14:32
Total/NA	Analysis	525.2		1	231954	Q8LA	EA POM	06/05/26 16:40
Total/NA	Prep	625.1			746664	KLZQ	EET CAL 4	05/31/26 08:21
Total/NA	Analysis	625.1		1	749030	PQS1	EET CAL 4	06/04/26 14:53
Total/NA	Prep	625.1			746664	KLZQ	EET CAL 4	05/31/26 08:21
Total/NA	Analysis	625.1 SIM		1	748206	PQS1	EET CAL 4	06/03/26 14:27
Total/NA	Analysis	8015B GRO LL		1	750190	A9VE	EET CAL 4	06/06/26 22:38
Total/NA	Prep	3510C			747016	TVD6	EET CAL 4	06/01/26 09:04
Total/NA	Analysis	8015B		1	750788	NR	EET CAL 4	06/08/26 16:03

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

Lab Sample ID: 380-216783-2

Date Collected: 05/26/26 11:10
Date Received: 05/29/26 10:03

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	750190	A9VE	EET CAL 4	06/06/26 19:31

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

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

Job ID: 380-216783-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Laboratory: Eurofins Pomona

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-26 *

The following analytes are included in this report, but the laboratory is not certified by Hawaii State CA00006. This list may include analytes for which the agency does not offer certification:

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

Laboratory: Eurofins Calscience

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

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

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

Accreditation/Certification Summary

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

Job ID: 380-216783-1
SDG: Weekly: Aiea Gulch Wells 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	02-02-27
USDA	US Federal Programs	525-23-159-97150	09-30-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-216783-1
SDG: Weekly: Aiea Gulch Wells 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 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: 380-216783-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-216783-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	05/26/26 11:10	05/29/26 10:03	HI0000331
380-216783-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	05/26/26 11:10	05/29/26 10:03	

Eurofins Eaton Analytical Pomona
941 Corporate Center Drive
Pomona, CA 91768-2642
Phone (626) 386-1100

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: bailey	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No:
Client Contact: Mr Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street Chemistry Lab	Due Date Requested:			
City: Honolulu	TAT Requested (days):			
State, Zip: HI, 96843	Compliance Project: Δ Yes Δ No			
Phone: 808-748-5840 (Tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill	Project #: 38001111			
Site: Hawaii	SSOW#:			

Analysis Requested

Preservation Codes:
R - NaThioSO4
RA - NaThio/HCl
Q - Na2SO3
QA - Na2SO3/HCl
Y - Trizma
I - NH4 Acetate

380-216783 COC

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1, 625.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_C8 - HNL Ranges C10-C24/C24-C38/C8-C18	525.2_PREC - (MOD) 525plus Plus TICs	537.1_DW_PREC - 537.1 Full List	533 - All Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:				R	RA	Q	QA	Y	I		
Aiea Gulch Wells Pump 2 (331-202-TP072)	26-May-2026	1110	G	Water			2	3	2	2				
Aiea Gulch Wells Pump 2 (331-202-TP072) (Matrix Spike)				Water										
Aiea Gulch Wells Pump 2 (331-202-TP072) (Matrix Spike Duplicate)				Water										
TB: Aiea Gulch Wells Pump 2 (331-202-TP072)	26-May-2026	1110		Water				2						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: FedEx 8723 0837 5555

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[redacted]	27/MAY/2026 1400	HBWS	Mark Umatia	5/29/26 1003	EEAP
	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: (651A) 4.6+0.0=4.6 gbl. FROZEN

Ver: 04/02/2024

Eurofins Pomona
941 Corporate Center Drive
Pomona, CA 91768-2642
Phone: 626-386-1100

Chain of Custody Record

eurofins | Env

Loc: 380
216783

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-339922.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): State - Hawaii		Job #: 380-216783-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 6/11/2026			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS/3510C_LL/HNL Ranges: C10-C24/C24-C36/CB-C18	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended PAH List	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-216783-1)	5/26/26	11:10 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-216783	5/26/26	11:10 Hawaiian	G	Water				X			2	MRLs are needed. Confirm any hits >RL.

380-216783 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater West, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater West, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater West, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater West, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mark Miranda	5/29/26 1530	EEAP	John C. Pacala	5/29/26 15:30	WP
John C. Pacala	5/29/26 17:30	WP		5/29/26 17:30	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2/2.3 IR-4

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-216783-1
SDG Number: Weekly: Aiea Gulch Wells Pump 2

Login Number: 216783
List Number: 1
Creator: Edrosa, Rey

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
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	
ClO4 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: 380-216783-1
SDG Number: Weekly: Aiea Gulch Wells Pump 2

Login Number: 216783
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 05/29/26 07:06 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	