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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

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JOB DESCRIPTION

RED-HILL
Weekly: Aiea Wells Pumps 1&2 P2

JOB NUMBER

380-190909-1

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: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Job Narrative
380-190909-1

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 1/7/2026 9:35 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 2.9°C.

GC/MS Semi VOA
Method 625.1: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-680289.

625.1 SIM:Method 625.1 SIM: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-680289.

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

Gasoline Range Organics
Method 8015B GRO LL: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-682005. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

Diesel Range Organics
Method 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-680269.The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Method: 8015 DRO

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: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2 — Lab Sample ID: 380-190909-1

No Detections.

Client Sample ID: TB: AIEA WELLS PUMPS 1&2 (260) P2 — Lab Sample ID: 380-190909-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2
Date Collected: 01/05/26 09:05
Date Received: 01/07/26 09:35

Lab Sample ID: 380-190909-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
2,4'-DDD	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
2,4'-DDE	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
2,4'-DDT	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
2,4-Dinitrotoluene	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
2,6-Dinitrotoluene	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
2-Methylnaphthalene	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
4,4'-DDD	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
4,4'-DDE	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
4,4'-DDT	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Acenaphthene	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Acenaphthylene	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Acetochlor	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Alachlor	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
alpha-BHC	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
alpha-Chlordane	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Anthracene	<0.020		0.020		ug/L		01/08/26 15:01	01/09/26 14:09	1
Atrazine	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Benz(a)anthracene	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Benzo[a]pyrene	<0.020		0.020		ug/L		01/08/26 15:01	01/09/26 14:09	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		01/08/26 15:01	01/09/26 14:09	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		01/08/26 15:01	01/09/26 14:09	1
beta-BHC	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		01/08/26 15:01	01/09/26 14:09	1
Bromacil	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Butachlor	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Butylbenzylphthalate	<0.50		0.50		ug/L		01/08/26 15:01	01/09/26 14:09	1
Chlorobenzilate	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Chloroneb	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Chlorothalonil (Draconil, Bravo)	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Chlorpyrifos	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Chrysene	<0.020		0.020		ug/L		01/08/26 15:01	01/09/26 14:09	1
delta-BHC	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		01/08/26 15:01	01/09/26 14:09	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Dieldrin	<0.010		0.010		ug/L		01/08/26 15:01	01/09/26 14:09	1
Diethylphthalate	<0.50		0.50		ug/L		01/08/26 15:01	01/09/26 14:09	1
Dimethylphthalate	<0.50		0.50		ug/L		01/08/26 15:01	01/09/26 14:09	1
Di-n-butyl phthalate	<1.0		1.0		ug/L		01/08/26 15:01	01/09/26 14:09	1
Di-n-octyl phthalate	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Endosulfan I (Alpha)	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Endosulfan II (Beta)	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Endosulfan sulfate	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Endrin	<0.010		0.010		ug/L		01/08/26 15:01	01/09/26 14:09	1
Endrin aldehyde	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
EPTC	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Fluoranthene	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1

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

Job ID: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2
Date Collected: 01/05/26 09:05
Date Received: 01/07/26 09:35

Lab Sample ID: 380-190909-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
gamma-Chlordane	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Heptachlor	<0.010		0.010		ug/L		01/08/26 15:01	01/09/26 14:09	1
Heptachlor epoxide (isomer B)	<0.010		0.010		ug/L		01/08/26 15:01	01/09/26 14:09	1
Hexachlorobenzene	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Isophorone	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Lindane	<0.010		0.010		ug/L		01/08/26 15:01	01/09/26 14:09	1
Malathion	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Methoxychlor	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Metolachlor	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Molinate	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Naphthalene	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Parathion	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Pendimethalin (Penoxaline)	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Phenanthrene	<0.040		0.040		ug/L		01/08/26 15:01	01/09/26 14:09	1
Propachlor	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Pyrene	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Simazine	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Terbacil	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Terbuthylazine	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Thiobencarb	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		01/08/26 15:01	01/09/26 14:09	1
trans-Nonachlor	<0.050		0.050		ug/L		01/08/26 15:01	01/09/26 14:09	1
Trifluralin	<0.10		0.10		ug/L		01/08/26 15:01	01/09/26 14:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*01/08/26 15:01*	*01/09/26 14:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*95*		*70 - 130*	*01/08/26 15:01*	*01/09/26 14:09*	*1*
Perylene-d12	*80*		*70 - 130*	*01/08/26 15:01*	*01/09/26 14:09*	*1*
Triphenylphosphate	*101*		*70 - 130*	*01/08/26 15:01*	*01/09/26 14:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
2-Methylnaphthalene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Acenaphthene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Acenaphthylene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Anthracene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Benzo[a]anthracene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Benzo[a]pyrene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Chrysene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Fluoranthene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2

Lab Sample ID: 380-190909-1

Date Collected: 01/05/26 09:05
Matrix: Water
Date Received: 01/07/26 09:35

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Naphthalene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Phenanthrene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1
Pyrene	<0.20		0.20		ug/L		01/08/26 17:38	01/13/26 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*28 - 127*	*01/08/26 17:38*	*01/13/26 17:08*	*1*
2-Fluorobiphenyl (Surr)	*88*		*31 - 120*	*01/08/26 17:38*	*01/13/26 17:08*	*1*
2-Fluorophenol (Surr)	*65*		*17 - 120*	*01/08/26 17:38*	*01/13/26 17:08*	*1*
Nitrobenzene-d5 (Surr)	*99*		*27 - 120*	*01/08/26 17:38*	*01/13/26 17:08*	*1*
Phenol-d6 (Surr)	*41*		*10 - 120*	*01/08/26 17:38*	*01/13/26 17:08*	*1*
p-Terphenyl-d14 (Surr)	*98*		*45 - 120*	*01/08/26 17:38*	*01/13/26 17:08*	*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*	*01/08/26 17:38*	*01/13/26 16:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*33 - 139*	*01/08/26 17:38*	*01/13/26 16:39*	*1*
2-Fluorobiphenyl (Surr)	*95*		*33 - 126*	*01/08/26 17:38*	*01/13/26 16:39*	*1*
2-Fluorophenol (Surr)	*65*		*12 - 120*	*01/08/26 17:38*	*01/13/26 16:39*	*1*
Nitrobenzene-d5 (Surr)	*110*		*36 - 120*	*01/08/26 17:38*	*01/13/26 16:39*	*1*
Phenol-d6 (Surr)	*40*		*10 - 120*	*01/08/26 17:38*	*01/13/26 16:39*	*1*
p-Terphenyl-d14 (Surr)	*100*		*47 - 131*	*01/08/26 17:38*	*01/13/26 16:39*	*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			01/10/26 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*38 - 134*		*01/10/26 19:36*	*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		01/08/26 16:31	01/09/26 12:00	1
Motor Oil Range Organics [C24-C36]	<27		27		ug/L		01/08/26 16:31	01/09/26 12:00	1
C8-C18	<27		27		ug/L		01/08/26 16:31	01/09/26 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*86*		*60 - 130*	*01/08/26 16:31*	*01/09/26 12:00*	*1*

Client Sample ID: TB: AIEA WELLS PUMPS 1&2 (260) P2

Lab Sample ID: 380-190909-2

Date Collected: 01/05/26 09:05
Matrix: Water
Date Received: 01/07/26 09:35

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			01/14/26 00:40	1

Client Sample Results

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

Job ID: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Client Sample ID: TB: AIEA WELLS PUMPS 1&2 (260) P2
Date Collected: 01/05/26 09:05
Date Received: 01/07/26 09:35

Lab Sample ID: 380-190909-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*96*		*38 - 134*		*01/14/26 00:40*	*1*

Action Limit Summary

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

Job ID: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2 — Lab Sample ID: 380-190909-1

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 Limit	RL	Method	Prep Type
Alachlor	<0.050		ug/L	2	0.050	525.2	Total/NA
Atrazine	<0.050		ug/L	3	0.050	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.60		ug/L	6	0.60	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.60		ug/L	400	0.60	525.2	Total/NA
Endrin	<0.010		ug/L	2	0.010	525.2	Total/NA
Heptachlor	<0.010		ug/L	0.4	0.010	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.010		ug/L	0.2	0.010	525.2	Total/NA
Hexachlorobenzene	<0.050		ug/L	1	0.050	525.2	Total/NA
Hexachlorocyclopentadiene	<0.050		ug/L	50	0.050	525.2	Total/NA
Lindane	<0.010		ug/L	0.2	0.010	525.2	Total/NA
Methoxychlor	<0.050		ug/L	40	0.050	525.2	Total/NA
Simazine	<0.050		ug/L	4	0.050	525.2	Total/NA
Benzo[a]pyrene	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

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)							
380-190826-S-1-A MS	Matrix Spike	96	94	106							
380-190881-Z-1-A DU	Duplicate	97	91	104							
380-190909-1	AIEA WELLS PUMPS 1&2 (260) P2	95	80	101							
LCS 380-196476/22-A	Lab Control Sample	95	94	102							
MB 380-196476/20-A	Method Blank	95	85	101							
MRL 380-196476/21-A	Lab Control Sample	94	89	100							

Surrogate Legend

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

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

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

		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)		
380-190909-1	AIEA WELLS PUMPS 1&2 (260)	71	95	65	110	40	100		
MB 570-680289/1-A	Method Blank	71	86	59	105	38	100		

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)		
380-190909-1	AIEA WELLS PUMPS 1&2 (260)	92	88	65	99	41	98		
LCS 570-680289/2-A	Lab Control Sample	85	82	64	83	43	92		
LCSD 570-680289/3-A	Lab Control Sample Dup	98	88	65	89	42	99		
MB 570-680289/1-A	Method Blank	99	81	56	85	36	87		

Surrogate Legend

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

Surrogate Summary

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

Job ID: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-190909-1	AIEA WELLS PUMPS 1&2 (260)	99
380-190909-2	TB: AIEA WELLS PUMPS 1&2 (260) P2	96
570-262565-N-1 MS	Matrix Spike	98
570-262565-O-1 MSD	Matrix Spike Duplicate	97
LCS 570-680870/1010	Lab Control Sample	96
LCS 570 682005/4	Lab Control Sample	100
LCSD 570-680870/11	Lab Control Sample Dup	94
LCSD 570-682005/5	Lab Control Sample Dup	91
MB 570-680870/12	Method Blank	83
MB 570-682005/8	Method Blank	94
MRL 570-680870/13	Lab Control Sample	88
MRL 570-682005/3	Lab Control Sample	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-190909-1	AIEA WELLS PUMPS 1&2 (260)	86
LCS 570-680269/2-A	Lab Control Sample	95
LCSD 570-680269/3-A	Lab Control Sample Dup	96
MB 570-680269/1-A	Method Blank	78
MRL 570-680269/4-A	Lab Control Sample	77

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-196476/20-A
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 196476

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
2,4'-DDD	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
2,4'-DDE	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
2,4'-DDT	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
2-Methylnaphthalene	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
4,4'-DDD	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
4,4'-DDE	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
4,4'-DDT	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Acenaphthene	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Acenaphthylene	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Acetochlor	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Alachlor	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
alpha-BHC	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
alpha-Chlordane	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Anthracene	<0.020		0.020		ug/L		01/08/26 15:01	01/09/26 10:29	1
Atrazine	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Benz(a)anthracene	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Benzo[a]pyrene	<0.020		0.020		ug/L		01/08/26 15:01	01/09/26 10:29	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		01/08/26 15:01	01/09/26 10:29	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		01/08/26 15:01	01/09/26 10:29	1
beta-BHC	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		01/08/26 15:01	01/09/26 10:29	1
Bromacil	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Butachlor	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Butylbenzylphthalate	<0.49		0.49		ug/L		01/08/26 15:01	01/09/26 10:29	1
Chlorobenzilate	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Chloroneb	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Chlorpyrifos	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Chrysene	<0.020		0.020		ug/L		01/08/26 15:01	01/09/26 10:29	1
delta-BHC	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		01/08/26 15:01	01/09/26 10:29	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Dieldrin	<0.0098		0.0098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Diethylphthalate	<0.49		0.49		ug/L		01/08/26 15:01	01/09/26 10:29	1
Dimethylphthalate	<0.49		0.49		ug/L		01/08/26 15:01	01/09/26 10:29	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		01/08/26 15:01	01/09/26 10:29	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Endosulfan sulfate	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Endrin	<0.0098		0.0098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Endrin aldehyde	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
EPTC	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1

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

Lab Sample ID: MB 380-196476/20-A
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 196476

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Fluorene	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
gamma-Chlordane	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Heptachlor	<0.0098		0.0098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Hexachlorobenzene	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Isophorone	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Lindane	<0.0098		0.0098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Malathion	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Methoxychlor	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Metolachlor	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Molinate	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Naphthalene	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Parathion	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Phenanthrene	<0.039		0.039		ug/L		01/08/26 15:01	01/09/26 10:29	1
Propachlor	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Pyrene	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Simazine	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Terbacil	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Terbuthylazine	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Thiobencarb	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		01/08/26 15:01	01/09/26 10:29	1
trans-Nonachlor	<0.049		0.049		ug/L		01/08/26 15:01	01/09/26 10:29	1
Trifluralin	<0.098		0.098		ug/L		01/08/26 15:01	01/09/26 10:29	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentene, 1,2,3,4,5-pentamethyl-	*0.815*	*T J N*	*ug/L*		*2.53*	*1000154-28-6*	*01/08/26 15:01*	*01/09/26 10:29*	*1*
Cyclotetrasiloxane, octamethyl-	*0.743*	*T J N*	*ug/L*		*2.76*	*556-67-2*	*01/08/26 15:01*	*01/09/26 10:29*	*1*
Unknown	*0.830*	*T J*	*ug/L*		*2.99*	*N/A*	*01/08/26 15:01*	*01/09/26 10:29*	*1*
Undecane	*2.81*	*T J N*	*ug/L*		*3.13*	*1120-21-4*	*01/08/26 15:01*	*01/09/26 10:29*	*1*
Cyclopentasiloxane, decamethyl-	*0.854*	*T J N*	*ug/L*		*3.26*	*541-02-6*	*01/08/26 15:01*	*01/09/26 10:29*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.935*	*T J N*	*ug/L*		*3.88*	*540-97-6*	*01/08/26 15:01*	*01/09/26 10:29*	*1*
Phenol, 4-(1,1-dimethylpropyl)-	*0.626*	*T J N*	*ug/L*		*4.27*	*80-46-6*	*01/08/26 15:01*	*01/09/26 10:29*	*1*
9-Octadecenamide, (Z)-	*4.20*	*T J N*	*ug/L*		*7.94*	*301-02-0*	*01/08/26 15:01*	*01/09/26 10:29*	*1*
13-Docosenamide, (Z)-	*2.32*	*T J N*	*ug/L*		*10.50*	*112-84-5*	*01/08/26 15:01*	*01/09/26 10:29*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*95*		*70 - 130*	*01/08/26 15:01*	*01/09/26 10:29*	*1*
Perylene-d12	*85*		*70 - 130*	*01/08/26 15:01*	*01/09/26 10:29*	*1*
Triphenylphosphate	*101*		*70 - 130*	*01/08/26 15:01*	*01/09/26 10:29*	*1*

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

Lab Sample ID: LCS 380-196476/22-A
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.95	1.86		ug/L		95	70 - 130
2,4'-DDD	1.95	1.90		ug/L		98	70 - 130
2,4'-DDE	1.95	2.07		ug/L		107	70 - 130
2,4'-DDT	1.95	1.79		ug/L		92	70 - 130
2,4-Dinitrotoluene	1.95	1.76		ug/L		90	70 - 130
2,6-Dinitrotoluene	1.95	1.82		ug/L		93	70 - 130
2-Methylnaphthalene	1.95	1.84		ug/L		95	70 - 130
4,4'-DDD	1.95	1.82		ug/L		94	70 - 130
4,4'-DDE	1.95	2.23		ug/L		114	70 - 130
4,4'-DDT	1.95	1.80		ug/L		93	70 - 130
Acenaphthene	1.95	1.93		ug/L		99	70 - 130
Acenaphthylene	1.95	1.91		ug/L		98	70 - 130
Acetochlor	1.95	1.98		ug/L		101	70 - 130
Alachlor	1.95	2.24		ug/L		115	70 - 130
alpha-BHC	1.95	2.09		ug/L		107	70 - 130
alpha-Chlordane	1.95	1.83		ug/L		94	70 - 130
Anthracene	1.95	1.87		ug/L		96	70 - 130
Atrazine	1.95	2.04		ug/L		105	70 - 130
Benz(a)anthracene	1.95	1.83		ug/L		94	70 - 130
Benzo[a]pyrene	1.95	1.94		ug/L		100	70 - 130
Benzo[b]fluoranthene	1.95	2.04		ug/L		105	70 - 130
Benzo[g,h,i]perylene	1.95	1.88		ug/L		97	70 - 130
Benzo[k]fluoranthene	1.95	1.92		ug/L		98	70 - 130
beta-BHC	1.95	1.98		ug/L		102	70 - 130
Bis(2-ethylhexyl) phthalate	1.95	2.16		ug/L		111	70 - 130
Bromacil	1.95	1.80		ug/L		93	70 - 130
Butachlor	1.95	2.20		ug/L		113	70 - 130
Butylbenzylphthalate	1.95	2.10		ug/L		108	70 - 130
Chlorobenzilate	1.95	2.00		ug/L		103	70 - 130
Chloroneb	1.95	1.95		ug/L		100	70 - 130
Chlorothalonil (Draconil, Bravo)	1.95	1.91		ug/L		98	70 - 130
Chlorpyrifos	1.95	2.01		ug/L		103	70 - 130
Chrysene	1.95	1.84		ug/L		95	70 - 130
delta-BHC	1.95	2.09		ug/L		108	70 - 130
Di(2-ethylhexyl)adipate	1.95	2.22		ug/L		114	70 - 130
Dibenz(a,h)anthracene	1.95	1.85		ug/L		95	70 - 130
Diclorvos (DDVP)	1.95	2.21		ug/L		114	70 - 130
Dieldrin	1.95	2.05		ug/L		105	70 - 130
Diethylphthalate	1.95	2.14		ug/L		110	70 - 130
Dimethylphthalate	1.95	2.19		ug/L		113	70 - 130
Di-n-butyl phthalate	3.89	4.21		ug/L		108	70 - 130
Di-n-octyl phthalate	1.95	2.10		ug/L		108	70 - 130
Endosulfan I (Alpha)	1.95	1.89		ug/L		97	70 - 130
Endosulfan II (Beta)	1.95	1.98		ug/L		102	70 - 130
Endosulfan sulfate	1.95	1.86		ug/L		96	70 - 130
Endrin	1.95	2.10		ug/L		108	70 - 130
Endrin aldehyde	1.95	1.83		ug/L		94	60 - 130
EPTC	1.95	2.05		ug/L		105	70 - 130

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

Lab Sample ID: LCS 380-196476/22-A
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	1.95	2.05		ug/L		106	70 - 130
Fluorene	1.95	2.13		ug/L		109	70 - 130
gamma-Chlordane	1.95	1.84		ug/L		95	70 - 130
Heptachlor	1.95	2.23		ug/L		115	70 - 130
Heptachlor epoxide (isomer B)	1.95	1.99		ug/L		102	70 - 130
Hexachlorobenzene	1.95	2.07		ug/L		106	70 - 130
Hexachlorocyclopentadiene	1.95	1.69		ug/L		87	70 - 130
Indeno[1,2,3-cd]pyrene	1.95	1.88		ug/L		96	70 - 130
Isophorone	1.95	1.87		ug/L		96	70 - 130
Lindane	1.95	2.01		ug/L		103	70 - 130
Malathion	1.95	2.04		ug/L		105	70 - 130
Methoxychlor	1.95	1.98		ug/L		101	70 - 130
Metolachlor	1.95	2.13		ug/L		109	70 - 130
Molinate	1.95	2.13		ug/L		109	70 - 130
Naphthalene	1.95	1.85		ug/L		95	70 - 130
Parathion	1.95	1.98		ug/L		102	70 - 130
Pendimethalin (Penoxaline)	1.95	1.71		ug/L		88	70 - 130
Phenanthrene	1.95	1.95		ug/L		100	70 - 130
Propachlor	1.95	2.25		ug/L		115	70 - 130
Pyrene	1.95	2.06		ug/L		106	70 - 130
Simazine	1.95	2.06		ug/L		106	70 - 130
Terbacil	1.95	1.98		ug/L		102	70 - 130
Terbuthylazine	1.95	2.11		ug/L		108	70 - 130
Thiobencarb	1.95	2.11		ug/L		108	70 - 130
trans-Nonachlor	1.95	1.77		ug/L		91	70 - 130
Trifluralin	1.95	1.59		ug/L		82	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*94*		*70 - 130*
Triphenylphosphate	*102*		*70 - 130*

Lab Sample ID: MRL 380-196476/21-A
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196476

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0986	0.104		ug/L		106	50 - 150
2,4'-DDD	0.0986	0.0815	J	ug/L		83	50 - 150
2,4'-DDE	0.0986	0.0882	J	ug/L		89	50 - 150
2,4'-DDT	0.0986	0.105		ug/L		106	50 - 150
2,4-Dinitrotoluene	0.0986	0.0991		ug/L		101	50 - 150
2,6-Dinitrotoluene	0.0986	0.130		ug/L		132	50 - 150
2-Methylnaphthalene	0.0986	0.0972	J	ug/L		99	50 - 150
4,4'-DDD	0.0986	0.0975	J	ug/L		99	50 - 150
4,4'-DDE	0.0986	0.0873	J	ug/L		89	50 - 150
4,4'-DDT	0.0986	0.101		ug/L		102	50 - 150
Acenaphthene	0.0986	0.0826	J	ug/L		84	50 - 150

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

Lab Sample ID: MRL 380-196476/21-A
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196476

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	0.0986	0.0809	J	ug/L		82	50 - 150
Acetochlor	0.0986	0.109		ug/L		110	50 - 150
Alachlor	0.0493	0.0515		ug/L		105	50 - 150
alpha-BHC	0.0986	0.0928	J	ug/L		94	50 - 150
alpha-Chlordane	0.0246	<0.029		ug/L		107	50 - 150
Anthracene	0.0197	0.0232		ug/L		118	50 - 150
Atrazine	0.0493	0.0506		ug/L		103	50 - 150
Benz(a)anthracene	0.0493	0.0523		ug/L		106	50 - 150
Benzo[a]pyrene	0.0197	0.0226		ug/L		114	50 - 150
Benzo[b]fluoranthene	0.0197	0.0243		ug/L		123	50 - 150
Benzo[g,h,i]perylene	0.0493	0.0503		ug/L		102	50 - 150
Benzo[k]fluoranthene	0.0197	0.0252		ug/L		128	50 - 150
beta-BHC	0.0986	0.0974	J	ug/L		99	50 - 150
Bis(2-ethylhexyl) phthalate	0.591	0.623		ug/L		105	50 - 150
Bromacil	0.0986	0.112		ug/L		114	50 - 150
Butachlor	0.0493	0.0562		ug/L		114	50 - 150
Butylbenzylphthalate	0.493	0.503		ug/L		102	50 - 150
Chlorobenzilate	0.0986	0.0980	J	ug/L		99	50 - 150
Chloroneb	0.0986	0.104		ug/L		105	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0986	0.0961	J	ug/L		97	50 - 150
Chlorpyrifos	0.0493	0.0491		ug/L		100	50 - 150
Chrysene	0.0197	0.0211		ug/L		107	50 - 150
delta-BHC	0.0986	0.0851	J	ug/L		86	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.648		ug/L		110	50 - 150
Dibenz(a,h)anthracene	0.0493	0.0661		ug/L		134	50 - 150
Diclorvos (DDVP)	0.0493	0.0509		ug/L		103	50 - 150
Dieldrin	0.00986	0.0104		ug/L		105	50 - 150
Diethylphthalate	0.493	0.503		ug/L		102	50 - 150
Dimethylphthalate	0.493	0.470	J	ug/L		95	50 - 150
Di-n-butyl phthalate	0.493	0.536	J	ug/L		109	49 - 243
Di-n-octyl phthalate	0.0986	0.109		ug/L		111	50 - 150
Endosulfan I (Alpha)	0.0986	0.0915	J	ug/L		93	50 - 150
Endosulfan II (Beta)	0.0986	0.104		ug/L		105	50 - 150
Endosulfan sulfate	0.0986	0.105		ug/L		106	50 - 150
Endrin	0.00986	0.00928	J	ug/L		94	50 - 150
Endrin aldehyde	0.0986	0.105		ug/L		107	50 - 150
EPTC	0.0986	0.103		ug/L		104	50 - 150
Fluoranthene	0.0986	0.0968	J	ug/L		98	50 - 150
Fluorene	0.0493	<0.049		ug/L		93	50 - 150
gamma-Chlordane	0.0246	0.0241	J	ug/L		98	50 - 150
Heptachlor	0.00986	0.00822	J	ug/L		83	50 - 150
Heptachlor epoxide (isomer B)	0.00986	0.00971	J	ug/L		99	50 - 150
Hexachlorobenzene	0.0493	0.0404	J	ug/L		82	50 - 150
Hexachlorocyclopentadiene	0.0493	0.0544		ug/L		110	50 - 150
Indeno[1,2,3-cd]pyrene	0.0493	0.0539		ug/L		109	50 - 150
Isophorone	0.0986	0.0992		ug/L		101	50 - 150
Lindane	0.00986	0.00861	J	ug/L		87	50 - 150
Malathion	0.0986	0.0984	J	ug/L		100	50 - 150
Methoxychlor	0.0493	0.0661		ug/L		134	50 - 150

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

Lab Sample ID: MRL 380-196476/21-A
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196476

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Metolachlor	0.0493	0.0491		ug/L		100	50 - 150
Molinate	0.0986	0.0929	J	ug/L		94	50 - 150
Naphthalene	0.0986	0.0883	J	ug/L		90	50 - 150
Parathion	0.0986	0.0916	J	ug/L		93	50 - 150
Pendimethalin (Penoxaline)	0.0986	0.0879	J	ug/L		89	50 - 150
Phenanthrene	0.0394	0.0411		ug/L		104	50 - 150
Propachlor	0.0493	0.0488	J	ug/L		99	50 - 150
Pyrene	0.0493	0.0504		ug/L		102	50 - 150
Simazine	0.0493	0.0471	J	ug/L		95	50 - 150
Terbacil	0.0986	0.0947	J	ug/L		96	50 - 150
Terbuthylazine	0.0986	0.0987	J	ug/L		100	50 - 150
Thiobencarb	0.0986	0.0995		ug/L		101	50 - 150
trans-Nonachlor	0.0246	<0.026		ug/L		101	50 - 150
Trifluralin	0.0986	0.0924	J	ug/L		94	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*94*		*70 - 130*
Perylene-d12	*89*		*70 - 130*
Triphenylphosphate	*100*		*70 - 130*

Lab Sample ID: 380-190826-S-1-A MS
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 196476

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.10		2.00	1.92		ug/L		96	70 - 130
2,4'-DDD	<0.10		2.00	1.99		ug/L		100	70 - 130
2,4'-DDE	<0.10		2.00	2.19		ug/L		110	70 - 130
2,4'-DDT	<0.10		2.00	1.86		ug/L		93	70 - 130
2,4-Dinitrotoluene	<0.10		2.00	2.04		ug/L		102	70 - 130
2,6-Dinitrotoluene	<0.10		2.00	2.02		ug/L		101	70 - 130
2-Methylnaphthalene	<0.10		2.00	1.93		ug/L		96	70 - 130
4,4'-DDD	<0.10		2.00	1.91		ug/L		96	70 - 130
4,4'-DDE	<0.10		2.00	2.31		ug/L		116	70 - 130
4,4'-DDT	<0.10		2.00	1.86		ug/L		93	70 - 130
Acenaphthene	<0.10		2.00	1.99		ug/L		100	70 - 130
Acenaphthylene	<0.10		2.00	1.98		ug/L		99	70 - 130
Acetochlor	<0.10		2.00	2.07		ug/L		104	70 - 130
Alachlor	<0.051		2.00	2.33		ug/L		117	70 - 130
alpha-BHC	<0.10		2.00	2.13		ug/L		107	70 - 130
alpha-Chlordane	<0.051		2.00	1.92		ug/L		96	70 - 130
Anthracene	<0.020		2.00	1.49		ug/L		75	70 - 130
Atrazine	<0.051		2.00	2.10		ug/L		105	70 - 130
Benz(a)anthracene	<0.051		2.00	1.91		ug/L		96	70 - 130
Benzo[a]pyrene	<0.020		2.00	1.88		ug/L		94	70 - 130
Benzo[b]fluoranthene	<0.020		2.00	2.16		ug/L		108	70 - 130
Benzo[g,h,i]perylene	<0.051		2.00	2.02		ug/L		101	70 - 130
Benzo[k]fluoranthene	<0.020		2.00	2.01		ug/L		101	70 - 130

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

Lab Sample ID: 380-190826-S-1-A MS
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 196476

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
beta-BHC	<0.10		2.00	2.00		ug/L		100	70 - 130
Bis(2-ethylhexyl) phthalate	<0.61		2.00	2.10		ug/L		105	70 - 130
Bromacil	<0.10		2.00	2.01		ug/L		101	70 - 130
Butachlor	<0.051		2.00	2.28		ug/L		114	70 - 130
Butylbenzylphthalate	<0.51		2.00	2.26		ug/L		113	70 - 130
Chlorobenzilate	<0.10		2.00	2.05		ug/L		103	70 - 130
Chloroneb	<0.10		2.00	1.96		ug/L		98	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.10		2.00	1.97		ug/L		99	70 - 130
Chlorpyrifos	<0.051		2.00	2.01		ug/L		101	70 - 130
Chrysene	<0.020		2.00	1.91		ug/L		96	70 - 130
delta-BHC	<0.10		2.00	2.13		ug/L		107	70 - 130
Di(2-ethylhexyl)adipate	<0.61		2.00	2.22		ug/L		111	70 - 130
Dibenz(a,h)anthracene	<0.051		2.00	1.98		ug/L		99	70 - 130
Diclorvos (DDVP)	<0.051		2.00	2.29		ug/L		115	70 - 130
Dieldrin	<0.010		2.00	2.17		ug/L		109	70 - 130
Diethylphthalate	<0.51		2.00	2.19		ug/L		110	70 - 130
Dimethylphthalate	<0.51		2.00	2.24		ug/L		112	70 - 130
Di-n-butyl phthalate	<1.0		3.99	4.25		ug/L		106	70 - 130
Di-n-octyl phthalate	<0.10		2.00	2.04		ug/L		102	70 - 130
Endosulfan I (Alpha)	<0.10		2.00	2.00		ug/L		100	70 - 130
Endosulfan II (Beta)	<0.10		2.00	1.99		ug/L		100	70 - 130
Endosulfan sulfate	<0.10		2.00	1.93		ug/L		97	70 - 130
Endrin	<0.010		2.00	2.26		ug/L		113	70 - 130
Endrin aldehyde	<0.10		2.00	1.72		ug/L		86	60 - 130
EPTC	<0.10		2.00	2.11		ug/L		106	70 - 130
Fluoranthene	<0.10		2.00	2.12		ug/L		106	70 - 130
Fluorene	<0.051		2.00	2.18		ug/L		109	70 - 130
gamma-Chlordane	<0.051		2.00	1.99		ug/L		100	70 - 130
Heptachlor	<0.010		2.00	2.31		ug/L		116	70 - 130
Heptachlor epoxide (isomer B)	<0.010		2.00	2.08		ug/L		104	70 - 130
Hexachlorobenzene	<0.051		2.00	2.12		ug/L		106	70 - 130
Hexachlorocyclopentadiene	<0.051		2.00	1.73		ug/L		87	70 - 130
Indeno[1,2,3-cd]pyrene	<0.051		2.00	2.05		ug/L		103	70 - 130
Isophorone	<0.10		2.00	1.96		ug/L		98	70 - 130
Lindane	<0.010		2.00	2.02		ug/L		101	70 - 130
Malathion	<0.10		2.00	2.10		ug/L		105	70 - 130
Methoxychlor	<0.051		2.00	2.00		ug/L		100	70 - 130
Metolachlor	<0.051		2.00	2.20		ug/L		110	70 - 130
Molinate	<0.10		2.00	2.16		ug/L		108	70 - 130
Naphthalene	<0.10		2.00	1.91		ug/L		96	70 - 130
Parathion	<0.10		2.00	2.10		ug/L		105	70 - 130
Pendimethalin (Penoxaline)	<0.10		2.00	1.96		ug/L		98	70 - 130
Phenanthrene	<0.040		2.00	2.02		ug/L		101	70 - 130
Propachlor	<0.051		2.00	2.27		ug/L		114	70 - 130
Pyrene	<0.051		2.00	2.12		ug/L		107	70 - 130
Simazine	<0.051		2.00	2.16		ug/L		108	70 - 130
Terbacil	<0.10		2.00	2.06		ug/L		103	70 - 130
Terbuthylazine	<0.10		2.00	2.14		ug/L		108	70 - 130
Thiobencarb	<0.10		2.00	2.17		ug/L		109	70 - 130

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

Lab Sample ID: 380-190826-S-1-A MS
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 196476

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
trans-Nonachlor	<0.051		2.00	1.88		ug/L		94	70 - 130
Trifluralin	<0.10		2.00	1.84		ug/L		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*94*		*70 - 130*
Triphenylphosphate	*106*		*70 - 130*

Lab Sample ID: 380-190881-Z-1-A DU
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 196476

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	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

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

Lab Sample ID: 380-190881-Z-1-A DU
Matrix: Water
Analysis Batch: 196656

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 196476

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
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
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
Terbuthylazine	<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	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*91*		*70 - 130*
Triphenylphosphate	*104*		*70 - 130*

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

Lab Sample ID: MB 570-680289/1-A
Matrix: Water
Analysis Batch: 681700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 680289

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	01/08/26 17:38	01/13/26 15:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	71		33 - 139	01/08/26 17:38	01/13/26 15:27	1
2-Fluorobiphenyl (Surr)	86		33 - 126	01/08/26 17:38	01/13/26 15:27	1
2-Fluorophenol (Surr)	59		12 - 120	01/08/26 17:38	01/13/26 15:27	1
Nitrobenzene-d5 (Surr)	105		36 - 120	01/08/26 17:38	01/13/26 15:27	1
Phenol-d6 (Surr)	38		10 - 120	01/08/26 17:38	01/13/26 15:27	1
p-Terphenyl-d14 (Surr)	100		47 - 131	01/08/26 17:38	01/13/26 15:27	1

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

Lab Sample ID: MB 570-680289/1-A
Matrix: Water
Analysis Batch: 681143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 680289

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
2-Methylnaphthalene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Acenaphthene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Acenaphthylene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Anthracene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Benzo[a]anthracene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Benzo[a]pyrene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Chrysene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Fluoranthene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Fluorene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Naphthalene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Phenanthrene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1
Pyrene	<0.20		0.20		ug/L		01/08/26 17:38	01/12/26 09:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	99		28 - 127	01/08/26 17:38	01/12/26 09:45	1
2-Fluorobiphenyl (Surr)	81		31 - 120	01/08/26 17:38	01/12/26 09:45	1
2-Fluorophenol (Surr)	56		17 - 120	01/08/26 17:38	01/12/26 09:45	1
Nitrobenzene-d5 (Surr)	85		27 - 120	01/08/26 17:38	01/12/26 09:45	1
Phenol-d6 (Surr)	36		10 - 120	01/08/26 17:38	01/12/26 09:45	1
p-Terphenyl-d14 (Surr)	87		45 - 120	01/08/26 17:38	01/12/26 09:45	1

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

Lab Sample ID: LCS 570-680289/2-A
Matrix: Water
Analysis Batch: 681143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 680289

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	16.6		ug/L		83	47 - 120		
2-Methylnaphthalene			20.0	15.8		ug/L		79	43 - 120		
Acenaphthene			20.0	16.6		ug/L		83	60 - 132		
Acenaphthylene			20.0	16.6		ug/L		83	54 - 126		
Anthracene			20.0	16.3		ug/L		81	43 - 120		
Benzo[a]anthracene			20.0	17.5		ug/L		88	42 - 133		
Benzo[a]pyrene			20.0	17.4		ug/L		87	32 - 148		
Benzo[b]fluoranthene			20.0	17.6		ug/L		88	42 - 140		
Benzo[g,h,i]perylene			20.0	17.1		ug/L		85	1 - 195		
Benzo[k]fluoranthene			20.0	16.5		ug/L		82	25 - 146		
Chrysene			20.0	17.2		ug/L		86	44 - 140		
Dibenz(a,h)anthracene			20.0	18.0		ug/L		90	1 - 200		
Fluoranthene			20.0	16.6		ug/L		83	43 - 121		
Fluorene			20.0	17.0		ug/L		85	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	17.8		ug/L		89	1 - 151		
Naphthalene			20.0	16.0		ug/L		80	36 - 120		
Phenanthrene			20.0	16.7		ug/L		84	65 - 120		
Pyrene			20.0	18.6		ug/L		93	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*28 - 127*
2-Fluorobiphenyl (Surr)	*82*		*31 - 120*
2-Fluorophenol (Surr)	*64*		*17 - 120*
Nitrobenzene-d5 (Surr)	*83*		*27 - 120*
Phenol-d6 (Surr)	*43*		*10 - 120*
p-Terphenyl-d14 (Surr)	*92*		*45 - 120*

Lab Sample ID: LCSD 570-680289/3-A
Matrix: Water
Analysis Batch: 681143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 680289

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	18.6		ug/L		93	47 - 120	12	20
2-Methylnaphthalene			20.0	18.0		ug/L		90	43 - 120	13	20
Acenaphthene			20.0	18.8		ug/L		94	60 - 132	12	29
Acenaphthylene			20.0	18.7		ug/L		93	54 - 126	12	45
Anthracene			20.0	18.6		ug/L		93	43 - 120	13	40
Benzo[a]anthracene			20.0	19.3		ug/L		97	42 - 133	10	32
Benzo[a]pyrene			20.0	18.8		ug/L		94	32 - 148	8	43
Benzo[b]fluoranthene			20.0	19.2		ug/L		96	42 - 140	9	43
Benzo[g,h,i]perylene			20.0	18.8		ug/L		94	1 - 195	10	61
Benzo[k]fluoranthene			20.0	18.0		ug/L		90	25 - 146	9	38
Chrysene			20.0	19.1		ug/L		96	44 - 140	11	53
Dibenz(a,h)anthracene			20.0	19.3		ug/L		97	1 - 200	7	75
Fluoranthene			20.0	18.8		ug/L		94	43 - 121	13	40
Fluorene			20.0	19.5		ug/L		98	70 - 120	14	23
Indeno[1,2,3-cd]pyrene			20.0	19.8		ug/L		99	1 - 151	10	60
Naphthalene			20.0	17.9		ug/L		90	36 - 120	11	39

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

Lab Sample ID: LCSD 570-680289/3-A
Matrix: Water
Analysis Batch: 681143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 680289

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	19.3		ug/L		96	65 - 120	14	24
Pyrene			20.0	20.5		ug/L		103	70 - 120	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*28 - 127*
2-Fluorobiphenyl (Surr)	*88*		*31 - 120*
2-Fluorophenol (Surr)	*65*		*17 120*
Nitrobenzene-d5 (Surr)	*89*		*27 - 120*
Phenol-d6 (Surr)	*42*		*10 - 120*
p-Terphenyl-d14 (Surr)	*99*		*45 - 120*

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

Lab Sample ID: MB 570-680870/12
Matrix: Water
Analysis Batch: 680870

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			01/10/26 16:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*38 - 134*		*01/10/26 16:12*	*1*

Lab Sample ID: LCS 570-680870/1010
Matrix: Water
Analysis Batch: 680870

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	382		ug/L		96	78 - 120		

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

Lab Sample ID: LCSD 570-680870/11
Matrix: Water
Analysis Batch: 680870

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	384		ug/L		96	78 - 120	0	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*

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

Lab Sample ID: MRL 570-680870/13
Matrix: Water
Analysis Batch: 680870

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	13.1		ug/L		131	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*38 - 134*

Lab Sample ID: 570-262565-N-1 MS
Matrix: Water
Analysis Batch: 680870

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	360		ug/L		90	68 - 122		

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

Lab Sample ID: 570-262565-O-1 MSD
Matrix: Water
Analysis Batch: 680870

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	354		ug/L		89	68 - 122	2	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*

Lab Sample ID: MB 570-682005/8
Matrix: Water
Analysis Batch: 682005

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			01/13/26 22:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*		*01/13/26 22:38*	*1*

Lab Sample ID: LCS 570-682005/4
Matrix: Water
Analysis Batch: 682005

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	354		ug/L		89	78 - 120		

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

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

Lab Sample ID: LCSD 570-682005/5
Matrix: Water
Analysis Batch: 682005

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	393		ug/L		98	78 - 120	10	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*38 - 134*

Lab Sample ID: MRL 570-682005/3
Matrix: Water
Analysis Batch: 682005

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	11.9		ug/L		119	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*38 - 134*

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

Lab Sample ID: MB 570-680269/1-A
Matrix: Water
Analysis Batch: 680450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 680269

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		01/08/26 16:31	01/09/26 10:56	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		01/08/26 16:31	01/09/26 10:56	1
C8-C18	<25		25		ug/L		01/08/26 16:31	01/09/26 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*78*		*60 - 130*	*01/08/26 16:31*	*01/09/26 10:56*	*1*

Lab Sample ID: LCS 570-680269/2-A
Matrix: Water
Analysis Batch: 680450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 680269

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28			1600	1320		ug/L		82	56 - 127

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

Lab Sample ID: LCSD 570-680269/3-A
Matrix: Water
Analysis Batch: 680450

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 680269

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1350		ug/L		84	56 - 127	2	23

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

Lab Sample ID: LCSD 570-680269/3-A
Matrix: Water
Analysis Batch: 680450

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 680269

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*96*		*60 - 130*

Lab Sample ID: MRL 570-680269/4-A
Matrix: Water
Analysis Batch: 680450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 680269

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	<0.020		mg/L		73	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*77*		*60 - 130*

QC Association Summary

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

Job ID: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

GC/MS Semi VOA

Prep Batch: 196476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190909-1	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	525.2	
MB 380-196476/20-A	Method Blank	Total/NA	Water	525.2	
LCS 380-196476/22-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-196476/21-A	Lab Control Sample	Total/NA	Water	525.2	
380-190826-S-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-190881-Z-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 196656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190909-1	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	525.2	196476
MB 380-196476/20-A	Method Blank	Total/NA	Water	525.2	196476
LCS 380-196476/22-A	Lab Control Sample	Total/NA	Water	525.2	196476
MRL 380-196476/21-A	Lab Control Sample	Total/NA	Water	525.2	196476
380-190826-S-1-A MS	Matrix Spike	Total/NA	Water	525.2	196476
380-190881-Z-1-A DU	Duplicate	Total/NA	Water	525.2	196476

Prep Batch: 680289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190909-1	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	625.1	
MB 570-680289/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-680289/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-680289/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 681143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-680289/1-A	Method Blank	Total/NA	Water	625.1 SIM	680289
LCS 570-680289/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	680289
LCSD 570-680289/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	680289

Analysis Batch: 681620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190909-1	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	625.1 SIM	680289

Analysis Batch: 681700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190909-1	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	625.1	680289
MB 570-680289/1-A	Method Blank	Total/NA	Water	625.1	680289

GC VOA

Analysis Batch: 680870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190909-1	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	8015B GRO LL	
MB 570-680870/12	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-680870/1010	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-680870/11	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-680870/13	Lab Control Sample	Total/NA	Water	8015B GRO LL	
570-262565-N-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
570-262565-O-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: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

GC VOA

Analysis Batch: 682005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190909-2	TB: AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	8015B GRO LL	
MB 570-682005/8	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-682005/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-682005/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-682005/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 680269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190909-1	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	3510C	
MB 570-680269/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-680269/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-680269/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-680269/4-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 680450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-190909-1	AIEA WELLS PUMPS 1&2 (260) P2	Total/NA	Water	8015B	680269
MB 570-680269/1-A	Method Blank	Total/NA	Water	8015B	680269
LCS 570-680269/2-A	Lab Control Sample	Total/NA	Water	8015B	680269
LCSD 570-680269/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	680269
MRL 570-680269/4-A	Lab Control Sample	Total/NA	Water	8015B	680269

Lab Chronicle

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

Job ID: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2

Lab Sample ID: 380-190909-1
Date Collected: 01/05/26 09:05
Matrix: Water
Date Received: 01/07/26 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			196476	IQ42	EA POM	01/08/26 15:01
Total/NA	Analysis	525.2		1	196656	UPAC	EA POM	01/09/26 14:09
Total/NA	Prep	625.1			680289	VAW2	EET CAL 4	01/08/26 17:38
Total/NA	Analysis	625.1		1	681700	PQS1	EET CAL 4	01/13/26 16:39
Total/NA	Prep	625.1			680289	VAW2	EET CAL 4	01/08/26 17:38
Total/NA	Analysis	625.1 SIM		1	681620	PQS1	EET CAL 4	01/13/26 17:08
Total/NA	Analysis	8015B GRO LL		1	680870	YD9V	EET CAL 4	01/10/26 19:36
Total/NA	Prep	3510C			680269	EP2G	EET CAL 4	01/08/26 16:31
Total/NA	Analysis	8015B		1	680450	NR	EET CAL 4	01/09/26 12:00

Client Sample ID: TB: AIEA WELLS PUMPS 1&2 (260) P2

Lab Sample ID: 380-190909-2
Date Collected: 01/05/26 09:05
Matrix: Water
Date Received: 01/07/26 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	682005	AJG4	EET CAL 4	01/14/26 00:40

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: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Laboratory: Eurofins Pomona

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Water	1-Methylnaphthalene
525.2	525.2	Water	2,4'-DDD
525.2	525.2	Water	2,4'-DDE
525.2	525.2	Water	2,4'-DDT
525.2	525.2	Water	2,4-Dinitrotoluene
525.2	525.2	Water	2,6-Dinitrotoluene
525.2	525.2	Water	2-Methylnaphthalene
525.2	525.2	Water	4,4'-DDD
525.2	525.2	Water	4,4'-DDE
525 2	525 2	Water	4,4' DDT
525.2	525.2	Water	Acetochlor
525.2	525.2	Water	alpha-BHC
525.2	525.2	Water	alpha-Chlordane
525.2	525.2	Water	beta-BHC
525.2	525.2	Water	Chlorobenzilate
525.2	525.2	Water	Chloroneb
525.2	525.2	Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Water	Chlorpyrifos
525.2	525.2	Water	delta-BHC
525.2	525.2	Water	Diclorvos (DDVP)
525.2	525.2	Water	Endosulfan I (Alpha)
525.2	525.2	Water	Endosulfan II (Beta)
525.2	525.2	Water	Endosulfan sulfate
525.2	525.2	Water	Endrin aldehyde
525.2	525.2	Water	EPTC
525.2	525.2	Water	gamma-Chlordane
525.2	525.2	Water	Isophorone
525.2	525.2	Water	Malathion
525.2	525.2	Water	Parathion
525.2	525.2	Water	Pendimethalin (Penoxaline)
525.2	525.2	Water	Terbacil
525.2	525.2	Water	Terbuthylazine
525.2	525.2	Water	Total Permethrin (mixed isomers)
525.2	525.2	Water	trans-Nonachlor

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
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 Summary

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

Job ID: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-26

Method Summary

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

Job ID: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Method	Method Description	Protocol	Laboratory
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	EA POM
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET CAL 4
625.1 SIM	Semivolatile Organic Compounds GC/MS (SIM)	EPA	EET CAL 4
8015B GRO LL	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC) Low Level	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
525.2	Extraction of Semivolatile Compounds	EPA	EA POM
625.1	Liquid-Liquid Extraction	40CFR136A	EET CAL 4

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

Job ID: 380-190909-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-190909-1	AIEA WELLS PUMPS 1&2 (260) P2	Water	01/05/26 09:05	01/07/26 09:35	Hawaii
380-190909-2	TB: AIEA WELLS PUMPS 1&2 (260) P2	Water	01/05/26 09:05	01/07/26 09:35	Hawaii

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: Allison Win	Lab PM: Arada, Rachelle	380 190909 COC	Carrier Tracking No(s):	COC No: 380-28005-2757 1
Client Contact: Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Rachelle.Arada@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
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_CS - HNL Ranges C10-C24/C24-C36/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 Wells Pumps 1&2 (260) P2	5-Jan-2026	09 05	G	Water			2	3	2	2				
Aiea Wells Pumps 1&2 (260) (Matrix Spike)				Water										
Aiea Wells Pumps 1&2 (Matrix Spike Duplicate)				Water										
TB. Aiea Wells Pumps 1&2 (260)	5-JAN-2026	09:05	~~G~~ AW 01-05-26	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 887674434137
Relinquished by: [redacted]	Date/Time: 01-06-26 11 00	Company	Received by: Mark Morita Date/Time: 1/7/26 935 Company EEA
Relinquished by:	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: (631A) 2.9+0.0 2.7 Tel-Frozen

Ver: 04/02/2024

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

Chain of Custody Record

eurofins | Envi

Loc: 380
190909

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-292592.1
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 #: 380-190909-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/20/2026	Analysis Requested		Preservation Codes: -
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			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=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS/3510C_LLHNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended PAH List	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AIEA WELLS PUMPS 1&2 (260) P2 (380-190909-1)	1/5/26	09:05 Hawaiian	G	Water			X	X	X	6	MRLs are needed. Confirm any hits >RL.
TB: AIEA WELLS PUMPS 1&2 (260) P2 (380-190909-2)	1/5/26	09:05 Hawaiian	G	Water				X		2	MRLs are needed.

380-190909 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 Unconfirmed	*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) — 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 Urrutia	1/7/26 1600	EEAP	7+	1-7-26 1600	WP
1+	1-7-26 1700	WP	[signature]	1/7/26 17:00	BC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.6 / 1.4 IR-4

Ver: 10/10/2024 1/20/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-190909-1
SDG Number: Weekly: Aiea Wells Pumps 1&2 P2

Login Number: 190909
List Number: 1
Creator: Tran, Kristine

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
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: 380-190909-1
SDG Number: Weekly: Aiea Wells Pumps 1&2 P2

Login Number: 190909
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 01/08/26 12:25 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	1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	