eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Erwin Kawata
City & County of Honolulu
630 South Beretania Street
Public Service Bldg. Room 310
Honolulu, Hawaii 96843

Generated 1/9/2026 11:48:16 PM

JOB DESCRIPTION

RED-HILL
Weekly: Moanalua Wells
RUSH Weekly Red Hill

JOB NUMBER

380-189448-1

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

Generated
1/9/2026 11:48:16 PM

Authorized for release by
Maria Lopez, Project Manager
Maria.Lopez@et.eurofinsus.com
(626)386-1100

Table of Contents

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.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA TICs

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, 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 ID: 380-189448-1 — Eurofins Pomona

Job Narrative
380-189448-1

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 12/24/2025 10:37 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 0.7°C.

GC/MS Semi VOA
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_DRO_LL_CS: Surrogate recovery was outside acceptance limits for the following matrix spike duplicate (MSD) sample: (380-189454-A-1-B MSD). The parent sample's surrogate recovery was within limits. The MSD sample has been qualified and reported.

Method 8015B_DRO_LL_CS: The laboratory control sample (LCS) for preparation batch 570-675474 and analytical batch 570-679396 recovered outside control limits for the following analytes: n-Octacosane (Surr). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8015B_DRO_LL_CS: The method reporting limit check (MRL) for preparation batch 570-675474 and analytical batch 570-679714 recovered outside control limits for the following analytes: n-Octacosane (Surr). 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: 380-189448-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-189448-1

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.019		0.0098		ug/L	1		525.2	Total/NA

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-189448-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-189448-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Date Collected: 12/22/25 09:13
Date Received: 12/24/25 10:37

Lab Sample ID: 380-189448-1
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		12/30/25 15:37	12/31/25 18:08	1
2,4'-DDD	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
2,4'-DDE	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
2,4'-DDT	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
2-Methylnaphthalene	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
4,4'-DDD	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
4,4'-DDE	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
4,4'-DDT	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Acenaphthene	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Acenaphthylene	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Acetochlor	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Alachlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
alpha-BHC	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
alpha-Chlordane	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Anthracene	<0.020		0.020		ug/L		12/30/25 15:37	12/31/25 18:08	1
Atrazine	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Benz(a)anthracene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Benzo[a]pyrene	<0.020		0.020		ug/L		12/30/25 15:37	12/31/25 18:08	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		12/30/25 15:37	12/31/25 18:08	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		12/30/25 15:37	12/31/25 18:08	1
beta-BHC	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		12/30/25 15:37	12/31/25 18:08	1
Bromacil	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Butachlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Butylbenzylphthalate	<0.49		0.49		ug/L		12/30/25 15:37	12/31/25 18:08	1
Chlorobenzilate	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Chloroneb	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Chlorpyrifos	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Chrysene	<0.020		0.020		ug/L		12/30/25 15:37	12/31/25 18:08	1
delta-BHC	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		12/30/25 15:37	12/31/25 18:08	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Dieldrin	**0.019**		0.0098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Diethylphthalate	<0.49		0.49		ug/L		12/30/25 15:37	12/31/25 18:08	1
Dimethylphthalate	<0.49		0.49		ug/L		12/30/25 15:37	12/31/25 18:08	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		12/30/25 15:37	12/31/25 18:08	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Endosulfan sulfate	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Endrin	<0.0098		0.0098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Endrin aldehyde	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
EPTC	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Fluoranthene	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1

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

Job ID: 380-189448-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Date Collected: 12/22/25 09:13
Date Received: 12/24/25 10:37

Lab Sample ID: 380-189448-1
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
Fluorene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
gamma-Chlordane	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Heptachlor	<0.0098		0.0098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Heptachlor epoxide (isomer B)	<0.0098	^3+	0.0098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Hexachlorobenzene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Isophorone	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Lindane	<0.0098		0.0098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Malathion	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Methoxychlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Metolachlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Molinate	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Naphthalene	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Parathion	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Phenanthrene	<0.039		0.039		ug/L		12/30/25 15:37	12/31/25 18:08	1
Propachlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Pyrene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Simazine	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Terbacil	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Terbuthylazine	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Thiobencarb	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		12/30/25 15:37	12/31/25 18:08	1
trans-Nonachlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 18:08	1
Trifluralin	<0.098		0.098		ug/L		12/30/25 15:37	12/31/25 18:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*12/30/25 15:37*	*12/31/25 18:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*12/30/25 15:37*	*12/31/25 18:08*	*1*
Perylene-d12	*98*		*70 - 130*	*12/30/25 15:37*	*12/31/25 18:08*	*1*
Triphenylphosphate	*107*		*70 - 130*	*12/30/25 15:37*	*12/31/25 18:08*	*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		12/27/25 08:18	01/07/26 17:41	1
2-Methylnaphthalene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Acenaphthene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Acenaphthylene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Anthracene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Benzo[a]anthracene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Benzo[a]pyrene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Chrysene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Fluoranthene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-189448-1

Date Collected: 12/22/25 09:13
Date Received: 12/24/25 10:37

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
Fluorene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Naphthalene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Phenanthrene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1
Pyrene	<0.19		0.19		ug/L		12/27/25 08:18	01/07/26 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*28 - 127*	*12/27/25 08:18*	*01/07/26 17:41*	*1*
2-Fluorobiphenyl (Surr)	*84*		*31 - 120*	*12/27/25 08:18*	*01/07/26 17:41*	*1*
2-Fluorophenol (Surr)	*59*		*17 - 120*	*12/27/25 08:18*	*01/07/26 17:41*	*1*
Nitrobenzene-d5 (Surr)	*91*		*27 - 120*	*12/27/25 08:18*	*01/07/26 17:41*	*1*
Phenol-d6 (Surr)	*37*		*10 - 120*	*12/27/25 08:18*	*01/07/26 17:41*	*1*
p-Terphenyl-d14 (Surr)	*89*		*45 - 120*	*12/27/25 08:18*	*01/07/26 17:41*	*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*
1,1'-Biphenyl, 4-fluoro-	*92*	*T J N*	*ug/L*		*5.48*	*324-74-3*	*12/27/25 08:18*	*01/09/26 16:45*	*1*
Thiophene, 2-bromo-	*68*	*T J N*	*ug/L*		*6.47*	*1003-09-4*	*12/27/25 08:18*	*01/09/26 16:45*	*1*
Anthracene-d10-	*69*	*T J N*	*ug/L*		*8.43*	*1719-06-8*	*12/27/25 08:18*	*01/09/26 16:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*33 - 139*	*12/27/25 08:18*	*01/09/26 16:45*	*1*
2-Fluorobiphenyl (Surr)	*81*		*33 - 126*	*12/27/25 08:18*	*01/09/26 16:45*	*1*
2-Fluorophenol (Surr)	*53*		*12 - 120*	*12/27/25 08:18*	*01/09/26 16:45*	*1*
Nitrobenzene-d5 (Surr)	*92*		*36 - 120*	*12/27/25 08:18*	*01/09/26 16:45*	*1*
Phenol-d6 (Surr)	*32*		*10 - 120*	*12/27/25 08:18*	*01/09/26 16:45*	*1*
p-Terphenyl-d14 (Surr)	*298*	*S1+*	*47 - 131*	*12/27/25 08:18*	*01/09/26 16:45*	*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			12/28/25 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*38 - 134*		*12/28/25 22:20*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<27		27		ug/L		12/27/25 09:07	01/07/26 17:50	1
Motor Oil Range Organics [C24-C36]	<27		27		ug/L		12/27/25 09:07	01/07/26 17:50	1
C8-C18	<27		27		ug/L		12/27/25 09:07	01/07/26 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*113*		*60 - 130*	*12/27/25 09:07*	*01/07/26 17:50*	*1*

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-189448-2

Date Collected: 12/22/25 09:13
Date Received: 12/24/25 10:37

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			12/28/25 20:08	1

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

Job ID: 380-189448-1
SDG: Weekly: Moanalua Wells

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)
Date Collected: 12/22/25 09:13
Date Received: 12/24/25 10:37

Lab Sample ID: 380-189448-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*102*		*38 - 134*		*12/28/25 20:08*	*1*

Action Limit Summary

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

Job ID: 380-189448-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-189448-1

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: 380-189448-1
SDG: Weekly: Moanalua Wells

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)
380-189448-1	MOANALUA WELLS (331-223-TP2(	96	98	107

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)
380-189454-I-1-A MS	Matrix Spike	96	104	107
380-189454-J-1-A MSD	Matrix Spike Duplicate	97	105	108
LCS 380-195112/22-A	Lab Control Sample	95	101	106
MB 380-195112/20-A	Method Blank	96	83	107
MRL 380-195112/21-A	Lab Control Sample	95	88	104

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
380-189448-1	MOANALUA WELLS (331-223-TP2(	88	81	53	92	32	298 S1+

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)
380-189448-1	MOANALUA WELLS (331-223-TP2(	90	84	59	91	37	89

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)
LCS 570-675514/2-A	Lab Control Sample	46	43	32	38	21	50
LCSD 570-675514/3-A	Lab Control Sample Dup	43	43	32	37	21	49
MB 570-675514/1-A	Method Blank	89	83	61	89	38	93

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-189448-1	MOANALUA WELLS (331-223-TP2(	106

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)
380-189446-E-1 MS	Matrix Spike	103
380-189446-E-1 MSD	Matrix Spike Duplicate	101
380-189448-2	TB:MOANALUA WELLS (331-223-TP202)	102
LCS 570-675935/4	Lab Control Sample	100
LCSD 570-675935/5	Lab Control Sample Dup	105
MB 570-675935/6	Method Blank	101
MRL 570-675935/3	Lab Control Sample	93

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)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-130)
380-189448-1 - RA	MOANALUA WELLS (331-223-TP2(	113

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-189448-1
Project/Site: RED-HILL
SDG: Weekly: Moanalua Wells

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		OTCSN1							
Lab Sample ID	Client Sample ID	(60-130)							
380-189454-A-1-A MS	Matrix Spike	116							
380-189454-A-1-B MSD	Matrix Spike Duplicate	144 S1+							
LCS 570-675474/2-A	Lab Control Sample	131 S1+							
LCSD 570-675474/3-A	Lab Control Sample Dup	112							
MB 570-675474/1-A	Method Blank	97							
MRL 570-675474/4-A	Lab Control Sample	153							

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-195112/20-A
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 195112

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
2,4'-DDD	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
2,4'-DDE	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
2,4'-DDT	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
2-Methylnaphthalene	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
4,4'-DDD	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
4,4'-DDE	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
4,4'-DDT	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Acenaphthene	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Acenaphthylene	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Acetochlor	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Alachlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
alpha-BHC	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
alpha-Chlordane	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Anthracene	<0.020		0.020		ug/L		12/30/25 15:37	12/31/25 15:28	1
Atrazine	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Benz(a)anthracene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Benzo[a]pyrene	<0.020		0.020		ug/L		12/30/25 15:37	12/31/25 15:28	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		12/30/25 15:37	12/31/25 15:28	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		12/30/25 15:37	12/31/25 15:28	1
beta-BHC	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		12/30/25 15:37	12/31/25 15:28	1
Bromacil	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Butachlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Butylbenzylphthalate	<0.49		0.49		ug/L		12/30/25 15:37	12/31/25 15:28	1
Chlorobenzilate	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Chloroneb	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Chlorpyrifos	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Chrysene	<0.020		0.020		ug/L		12/30/25 15:37	12/31/25 15:28	1
delta-BHC	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		12/30/25 15:37	12/31/25 15:28	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Dieldrin	<0.0099		0.0099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Diethylphthalate	<0.49		0.49		ug/L		12/30/25 15:37	12/31/25 15:28	1
Dimethylphthalate	<0.49		0.49		ug/L		12/30/25 15:37	12/31/25 15:28	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		12/30/25 15:37	12/31/25 15:28	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Endosulfan sulfate	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Endrin	<0.0099		0.0099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Endrin aldehyde	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
EPTC	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1

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

Lab Sample ID: MB 380-195112/20-A
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 195112

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Fluorene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
gamma-Chlordane	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Heptachlor	<0.0099		0.0099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Heptachlor epoxide (isomer B)	<0.0099	^3+	0.0099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Hexachlorobenzene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Isophorone	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Lindane	<0.0099		0.0099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Malathion	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Methoxychlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Metolachlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Molinate	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Naphthalene	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Parathion	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Phenanthrene	<0.040		0.040		ug/L		12/30/25 15:37	12/31/25 15:28	1
Propachlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Pyrene	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Simazine	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Terbacil	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Terbuthylazine	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Thiobencarb	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		12/30/25 15:37	12/31/25 15:28	1
trans-Nonachlor	<0.049		0.049		ug/L		12/30/25 15:37	12/31/25 15:28	1
Trifluralin	<0.099		0.099		ug/L		12/30/25 15:37	12/31/25 15:28	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-	*1.47*	*T J N*	*ug/L*		*2.54*	*1000154-28-6*	*12/30/25 15:37*	*12/31/25 15:28*	*1*
Undecane	*2.77*	*T J N*	*ug/L*		*3.14*	*1120-21-4*	*12/30/25 15:37*	*12/31/25 15:28*	*1*
Plumbane, diethyldimethyl-	*0.797*	*T J N*	*ug/L*		*3.27*	*1762-27-2*	*12/30/25 15:37*	*12/31/25 15:28*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.685*	*T J N*	*ug/L*		*3.90*	*540-97-6*	*12/30/25 15:37*	*12/31/25 15:28*	*1*
Hexadecanamide	*0.782*	*T J N*	*ug/L*		*7.08*	*629-54-9*	*12/30/25 15:37*	*12/31/25 15:28*	*1*
9-Octadecenamide, (Z)-	*8.70*	*T J N*	*ug/L*		*7.97*	*301-02-0*	*12/30/25 15:37*	*12/31/25 15:28*	*1*
Tetradecanamide	*0.537*	*T J N*	*ug/L*		*8.07*	*638-58-4*	*12/30/25 15:37*	*12/31/25 15:28*	*1*
13-Docosenamide, (Z)-	*1.26*	*T J N*	*ug/L*		*10.53*	*112-84-5*	*12/30/25 15:37*	*12/31/25 15:28*	*1*
Unknown	*0.530*	*T J*	*ug/L*		*15.13*	*N/A*	*12/30/25 15:37*	*12/31/25 15:28*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*12/30/25 15:37*	*12/31/25 15:28*	*1*
Perylene-d12	*83*		*70 - 130*	*12/30/25 15:37*	*12/31/25 15:28*	*1*
Triphenylphosphate	*107*		*70 - 130*	*12/30/25 15:37*	*12/31/25 15:28*	*1*

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

Lab Sample ID: LCS 380-195112/22-A
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.97	1.99		ug/L		101	70 - 130
2,4'-DDD	1.97	1.90		ug/L		97	70 - 130
2,4'-DDE	1.97	2.10		ug/L		107	70 - 130
2,4'-DDT	1.97	1.95		ug/L		99	70 - 130
2,4-Dinitrotoluene	1.97	2.16		ug/L		110	70 - 130
2,6-Dinitrotoluene	1.97	2.05		ug/L		104	70 - 130
2-Methylnaphthalene	1.97	2.00		ug/L		101	70 - 130
4,4'-DDD	1.97	1.97		ug/L		100	70 - 130
4,4'-DDE	1.97	2.08		ug/L		106	70 - 130
4,4'-DDT	1.97	1.97		ug/L		100	70 - 130
Acenaphthene	1.97	1.99		ug/L		101	70 - 130
Acenaphthylene	1.97	2.18		ug/L		111	70 - 130
Acetochlor	1.97	2.10		ug/L		107	70 - 130
Alachlor	1.97	2.18		ug/L		111	70 - 130
alpha-BHC	1.97	2.20		ug/L		112	70 - 130
alpha-Chlordane	1.97	1.84		ug/L		93	70 - 130
Anthracene	1.97	2.21		ug/L		112	70 - 130
Atrazine	1.97	2.05		ug/L		104	70 - 130
Benz(a)anthracene	1.97	1.93		ug/L		98	70 - 130
Benzo[a]pyrene	1.97	2.04		ug/L		104	70 - 130
Benzo[b]fluoranthene	1.97	1.99		ug/L		101	70 - 130
Benzo[g,h,i]perylene	1.97	2.06		ug/L		104	70 - 130
Benzo[k]fluoranthene	1.97	1.80		ug/L		91	70 - 130
beta-BHC	1.97	2.18		ug/L		111	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.07		ug/L		105	70 - 130
Bromacil	1.97	1.96		ug/L		100	70 - 130
Butachlor	1.97	2.30		ug/L		117	70 - 130
Butylbenzylphthalate	1.97	2.29		ug/L		116	70 - 130
Chlorobenzilate	1.97	2.04		ug/L		104	70 - 130
Chloroneb	1.97	2.13		ug/L		108	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.14		ug/L		109	70 - 130
Chlorpyrifos	1.97	1.92		ug/L		97	70 - 130
Chrysene	1.97	1.66		ug/L		84	70 - 130
delta-BHC	1.97	2.22		ug/L		113	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.33		ug/L		118	70 - 130
Dibenz(a,h)anthracene	1.97	2.15		ug/L		109	70 - 130
Diclorvos (DDVP)	1.97	2.24		ug/L		114	70 - 130
Dieldrin	1.97	2.04		ug/L		104	70 - 130
Diethylphthalate	1.97	2.26		ug/L		115	70 - 130
Dimethylphthalate	1.97	2.24		ug/L		114	70 - 130
Di-n-butyl phthalate	3.94	4.14		ug/L		105	70 - 130
Di-n-octyl phthalate	1.97	2.00		ug/L		101	70 - 130
Endosulfan I (Alpha)	1.97	1.91		ug/L		97	70 - 130
Endosulfan II (Beta)	1.97	2.15		ug/L		109	70 - 130
Endosulfan sulfate	1.97	2.11		ug/L		107	70 - 130
Endrin	1.97	2.14		ug/L		108	70 - 130
Endrin aldehyde	1.97	1.93		ug/L		98	60 - 130
EPTC	1.97	2.33		ug/L		118	70 - 130

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

Lab Sample ID: LCS 380-195112/22-A
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	1.97	2.15		ug/L		109	70 - 130
Fluorene	1.97	2.15		ug/L		109	70 - 130
gamma-Chlordane	1.97	1.84		ug/L		94	70 - 130
Heptachlor	1.97	2.24		ug/L		114	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.00		ug/L		102	70 - 130
Hexachlorobenzene	1.97	2.21		ug/L		112	70 - 130
Hexachlorocyclopentadiene	1.97	2.06		ug/L		105	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.24		ug/L		114	70 - 130
Isophorone	1.97	1.95		ug/L		99	70 - 130
Lindane	1.97	2.15		ug/L		109	70 - 130
Malathion	1.97	2.19		ug/L		111	70 - 130
Methoxychlor	1.97	2.04		ug/L		103	70 - 130
Metolachlor	1.97	2.18		ug/L		111	70 - 130
Molinate	1.97	2.17		ug/L		110	70 - 130
Naphthalene	1.97	1.96		ug/L		99	70 - 130
Parathion	1.97	2.21		ug/L		113	70 - 130
Pendimethalin (Penoxaline)	1.97	2.04		ug/L		103	70 - 130
Phenanthrene	1.97	2.04		ug/L		104	70 - 130
Propachlor	1.97	2.14		ug/L		109	70 - 130
Pyrene	1.97	1.95		ug/L		99	70 - 130
Simazine	1.97	1.95		ug/L		99	70 - 130
Terbacil	1.97	2.02		ug/L		103	70 - 130
Terbuthylazine	1.97	2.20		ug/L		112	70 - 130
Thiobencarb	1.97	2.08		ug/L		106	70 - 130
trans-Nonachlor	1.97	1.76		ug/L		89	70 - 130
Trifluralin	1.97	2.03		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*101*		*70 - 130*
Triphenylphosphate	*106*		*70 - 130*

Lab Sample ID: MRL 380-195112/21-A
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0985	0.116		ug/L		118	50 - 150
2,4'-DDD	0.0985	0.0850	J	ug/L		86	50 - 150
2,4'-DDE	0.0985	0.0894	J	ug/L		91	50 - 150
2,4'-DDT	0.0985	0.107		ug/L		109	50 - 150
2,4-Dinitrotoluene	0.0985	0.111		ug/L		112	50 - 150
2,6-Dinitrotoluene	0.0985	0.135		ug/L		137	50 - 150
2-Methylnaphthalene	0.0985	0.112		ug/L		113	50 - 150
4,4'-DDD	0.0985	0.114		ug/L		116	50 - 150
4,4'-DDE	0.0985	0.110		ug/L		112	50 - 150
4,4'-DDT	0.0985	0.115		ug/L		117	50 - 150
Acenaphthene	0.0985	0.0912	J	ug/L		93	50 - 150

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

Lab Sample ID: MRL 380-195112/21-A
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	0.0985	0.0848	J	ug/L		86	50 - 150
Acetochlor	0.0985	0.122		ug/L		124	50 - 150
Alachlor	0.0493	0.0545		ug/L		111	50 - 150
alpha-BHC	0.0985	0.0939	J	ug/L		95	50 - 150
alpha-Chlordane	0.0246	0.0301	J	ug/L		122	50 - 150
Anthracene	0.0197	0.0216		ug/L		109	50 - 150
Atrazine	0.0493	0.0657		ug/L		133	50 - 150
Benz(a)anthracene	0.0493	0.0564		ug/L		114	50 - 150
Benzo[a]pyrene	0.0197	0.0234		ug/L		119	50 - 150
Benzo[b]fluoranthene	0.0197	0.0199	J	ug/L		101	50 - 150
Benzo[g,h,i]perylene	0.0493	0.0488	J	ug/L		99	50 - 150
Benzo[k]fluoranthene	0.0197	0.0221		ug/L		112	50 - 150
beta-BHC	0.0985	0.111		ug/L		112	50 - 150
Bis(2-ethylhexyl) phthalate	0.591	0.646		ug/L		109	50 - 150
Bromacil	0.0985	0.118		ug/L		120	50 - 150
Butachlor	0.0493	0.0582		ug/L		118	50 - 150
Butylbenzylphthalate	0.493	0.560		ug/L		114	50 - 150
Chlorobenzilate	0.0985	0.117		ug/L		119	50 - 150
Chloroneb	0.0985	0.104		ug/L		106	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0985	0.134		ug/L		136	50 - 150
Chlorpyrifos	0.0493	0.0663		ug/L		135	50 - 150
Chrysene	0.0197	0.0204		ug/L		104	50 - 150
delta-BHC	0.0985	0.0969	J	ug/L		98	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.785		ug/L		133	50 - 150
Dibenz(a,h)anthracene	0.0493	0.0464	J	ug/L		94	50 - 150
Diclorvos (DDVP)	0.0493	0.0558		ug/L		113	50 - 150
Dieldrin	0.00985	0.00917	J	ug/L		93	50 - 150
Diethylphthalate	0.493	0.542		ug/L		110	50 - 150
Dimethylphthalate	0.493	0.502		ug/L		102	50 - 150
Di-n-butyl phthalate	0.493	0.513	J	ug/L		104	49 - 243
Di-n-octyl phthalate	0.0985	0.107		ug/L		108	50 - 150
Endosulfan I (Alpha)	0.0985	0.0908	J	ug/L		92	50 - 150
Endosulfan II (Beta)	0.0985	0.0943	J	ug/L		96	50 - 150
Endosulfan sulfate	0.0985	0.109		ug/L		111	50 - 150
Endrin	0.00985	0.00937	J	ug/L		95	50 - 150
Endrin aldehyde	0.0985	0.130		ug/L		132	50 - 150
EPTC	0.0985	0.108		ug/L		110	50 - 150
Fluoranthene	0.0985	0.102		ug/L		104	50 - 150
Fluorene	0.0493	0.0510		ug/L		104	50 - 150
gamma-Chlordane	0.0246	0.0287	J	ug/L		117	50 - 150
Heptachlor	0.00985	0.0128		ug/L		129	50 - 150
Heptachlor epoxide (isomer B)	0.00985	0.0154	^3+	ug/L		156	50 - 150
Hexachlorobenzene	0.0493	0.0448	J	ug/L		91	50 - 150
Hexachlorocyclopentadiene	0.0493	0.0473	J	ug/L		96	50 - 150
Indeno[1,2,3-cd]pyrene	0.0493	0.0520		ug/L		105	50 - 150
Isophorone	0.0985	0.109		ug/L		110	50 - 150
Lindane	0.00985	0.00983	J	ug/L		100	50 - 150
Malathion	0.0985	0.109		ug/L		111	50 - 150
Methoxychlor	0.0493	0.0579		ug/L		118	50 - 150

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

Lab Sample ID: MRL 380-195112/21-A
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Metolachlor	0.0493	0.0546		ug/L		111	50 - 150
Molinate	0.0985	0.128		ug/L		130	50 - 150
Naphthalene	0.0985	0.112		ug/L		113	50 - 150
Parathion	0.0985	0.0885	J	ug/L		90	50 - 150
Pendimethalin (Penoxaline)	0.0985	0.0914	J	ug/L		93	50 - 150
Phenanthrene	0.0394	0.0469		ug/L		119	50 - 150
Propachlor	0.0493	0.0575		ug/L		117	50 - 150
Pyrene	0.0493	0.0565		ug/L		115	50 - 150
Simazine	0.0493	0.0549		ug/L		111	50 - 150
Terbacil	0.0985	0.101		ug/L		103	50 - 150
Terbuthylazine	0.0985	0.108		ug/L		109	50 - 150
Thiobencarb	0.0985	0.113		ug/L		114	50 - 150
trans-Nonachlor	0.0246	<0.026		ug/L		103	50 - 150
Trifluralin	0.0985	0.101		ug/L		103	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*88*		*70 - 130*
Triphenylphosphate	*104*		*70 - 130*

Lab Sample ID: 380-189454-I-1-A MS
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.94	1.99		ug/L		102	70 - 130
2,4'-DDD	<0.097		1.94	1.89		ug/L		98	70 - 130
2,4'-DDE	<0.097		1.94	1.99		ug/L		103	70 - 130
2,4'-DDT	<0.097		1.94	1.78		ug/L		92	70 - 130
2,4-Dinitrotoluene	<0.097		1.94	2.22		ug/L		115	70 - 130
2,6-Dinitrotoluene	<0.097		1.94	2.05		ug/L		106	70 - 130
2-Methylnaphthalene	<0.097		1.94	1.97		ug/L		101	70 - 130
4,4'-DDD	<0.097		1.94	1.93		ug/L		100	70 - 130
4,4'-DDE	<0.097		1.94	1.90		ug/L		98	70 - 130
4,4'-DDT	<0.097		1.94	1.78		ug/L		92	70 - 130
Acenaphthene	<0.097		1.94	1.98		ug/L		102	70 - 130
Acenaphthylene	<0.097		1.94	2.14		ug/L		111	70 - 130
Acetochlor	<0.097		1.94	2.14		ug/L		111	70 - 130
Alachlor	<0.049		1.94	2.22		ug/L		115	70 - 130
alpha-BHC	<0.097		1.94	2.07		ug/L		107	70 - 130
alpha-Chlordane	<0.049		1.94	1.76		ug/L		91	70 - 130
Anthracene	<0.019		1.94	1.95		ug/L		101	70 - 130
Atrazine	<0.049		1.94	1.97		ug/L		102	70 - 130
Benz(a)anthracene	<0.049		1.94	1.86		ug/L		96	70 - 130
Benzo[a]pyrene	<0.019		1.94	2.01		ug/L		104	70 - 130
Benzo[b]fluoranthene	<0.019		1.94	2.03		ug/L		105	70 - 130
Benzo[g,h,i]perylene	<0.049		1.94	2.11		ug/L		109	70 - 130
Benzo[k]fluoranthene	<0.019		1.94	1.72		ug/L		89	70 - 130

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

Lab Sample ID: 380-189454-I-1-A MS
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
beta-BHC	<0.097		1.94	2.10		ug/L		109	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.94	1.95		ug/L		101	70 - 130
Bromacil	<0.097		1.94	1.96		ug/L		101	70 - 130
Butachlor	<0.049		1.94	2.29		ug/L		118	70 - 130
Butylbenzylphthalate	<0.49		1.94	2.32		ug/L		120	70 - 130
Chlorobenzilate	<0.097		1.94	2.10		ug/L		109	70 - 130
Chloroneb	<0.097		1.94	2.07		ug/L		107	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.94	2.21		ug/L		114	70 - 130
Chlorpyrifos	<0.049		1.94	1.88		ug/L		97	70 - 130
Chrysene	<0.019		1.94	1.66		ug/L		86	70 - 130
delta-BHC	<0.097		1.94	2.22		ug/L		115	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.94	2.17		ug/L		112	70 - 130
Dibenz(a,h)anthracene	<0.049		1.94	2.14		ug/L		111	70 - 130
Diclorvos (DDVP)	<0.049		1.94	2.21		ug/L		114	70 - 130
Dieldrin	<0.0097		1.94	2.07		ug/L		107	70 - 130
Diethylphthalate	<0.49		1.94	2.18		ug/L		113	70 - 130
Dimethylphthalate	<0.49		1.94	2.22		ug/L		115	70 - 130
Di-n-butyl phthalate	<0.97		3.87	4.17		ug/L		108	70 - 130
Di-n-octyl phthalate	<0.097		1.94	1.87		ug/L		97	70 - 130
Endosulfan I (Alpha)	<0.097		1.94	1.94		ug/L		100	70 - 130
Endosulfan II (Beta)	<0.097		1.94	2.11		ug/L		109	70 - 130
Endosulfan sulfate	<0.097		1.94	2.16		ug/L		112	70 - 130
Endrin	<0.0097		1.94	2.18		ug/L		112	70 - 130
Endrin aldehyde	<0.097		1.94	1.56		ug/L		81	60 - 130
EPTC	<0.097		1.94	2.27		ug/L		117	70 - 130
Fluoranthene	<0.097		1.94	2.12		ug/L		110	70 - 130
Fluorene	<0.049		1.94	2.14		ug/L		110	70 - 130
gamma-Chlordane	<0.049		1.94	1.80		ug/L		93	70 - 130
Heptachlor	<0.0097		1.94	2.21		ug/L		114	70 - 130
Heptachlor epoxide (isomer B)	<0.0097	^3+	1.94	2.00		ug/L		103	70 - 130
Hexachlorobenzene	<0.049		1.94	2.15		ug/L		111	70 - 130
Hexachlorocyclopentadiene	<0.049		1.94	1.86		ug/L		96	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.94	2.27		ug/L		117	70 - 130
Isophorone	<0.097		1.94	1.93		ug/L		100	70 - 130
Lindane	<0.0097		1.94	2.07		ug/L		107	70 - 130
Malathion	<0.097		1.94	2.15		ug/L		111	70 - 130
Methoxychlor	<0.049		1.94	2.00		ug/L		103	70 - 130
Metolachlor	<0.049		1.94	2.17		ug/L		112	70 - 130
Molinate	<0.097		1.94	2.13		ug/L		110	70 - 130
Naphthalene	<0.097		1.94	1.89		ug/L		98	70 - 130
Parathion	<0.097		1.94	2.29		ug/L		118	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.94	2.17		ug/L		112	70 - 130
Phenanthrene	<0.039		1.94	2.03		ug/L		105	70 - 130
Propachlor	<0.049		1.94	2.10		ug/L		109	70 - 130
Pyrene	<0.049		1.94	1.97		ug/L		101	70 - 130
Simazine	<0.049		1.94	1.96		ug/L		101	70 - 130
Terbacil	<0.097		1.94	2.16		ug/L		112	70 - 130
Terbuthylazine	<0.097		1.94	2.17		ug/L		112	70 - 130
Thiobencarb	<0.097		1.94	2.07		ug/L		107	70 - 130

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

Lab Sample ID: 380-189454-I-1-A MS
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
trans-Nonachlor	<0.049		1.94	1.72		ug/L		89	70 - 130
Trifluralin	<0.097		1.94	2.09		ug/L		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*104*		*70 - 130*
Triphenylphosphate	*107*		*70 - 130*

Lab Sample ID: 380-189454-J-1-A MSD
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.097		1.92	2.02		ug/L		104	70 - 130	1	20
2,4'-DDD	<0.097		1.92	1.91		ug/L		99	70 - 130	1	20
2,4'-DDE	<0.097		1.92	2.03		ug/L		106	70 - 130	2	20
2,4'-DDT	<0.097		1.92	1.81		ug/L		94	70 - 130	2	20
2,4-Dinitrotoluene	<0.097		1.92	2.31		ug/L		120	70 - 130	4	20
2,6-Dinitrotoluene	<0.097		1.92	2.17		ug/L		113	70 - 130	6	20
2-Methylnaphthalene	<0.097		1.92	2.00		ug/L		104	70 - 130	1	20
4,4'-DDD	<0.097		1.92	1.96		ug/L		102	70 - 130	2	20
4,4'-DDE	<0.097		1.92	1.91		ug/L		99	70 - 130	0	20
4,4'-DDT	<0.097		1.92	1.89		ug/L		98	70 - 130	6	20
Acenaphthene	<0.097		1.92	1.96		ug/L		102	70 - 130	1	20
Acenaphthylene	<0.097		1.92	2.20		ug/L		115	70 - 130	3	20
Acetochlor	<0.097		1.92	2.14		ug/L		111	70 - 130	0	20
Alachlor	<0.049		1.92	2.22		ug/L		115	70 - 130	0	20
alpha-BHC	<0.097		1.92	2.15		ug/L		112	70 - 130	4	20
alpha-Chlordane	<0.049		1.92	1.82		ug/L		95	70 - 130	3	20
Anthracene	<0.019		1.92	1.96		ug/L		102	70 - 130	1	20
Atrazine	<0.049		1.92	2.08		ug/L		108	70 - 130	5	20
Benz(a)anthracene	<0.049		1.92	1.91		ug/L		99	70 - 130	2	20
Benzo[a]pyrene	<0.019		1.92	1.98		ug/L		103	70 - 130	1	20
Benzo[b]fluoranthene	<0.019		1.92	1.97		ug/L		103	70 - 130	3	20
Benzo[g,h,i]perylene	<0.049		1.92	2.04		ug/L		106	70 - 130	3	20
Benzo[k]fluoranthene	<0.019		1.92	1.71		ug/L		89	70 - 130	1	20
beta-BHC	<0.097		1.92	2.16		ug/L		112	70 - 130	2	20
Bis(2-ethylhexyl) phthalate	<0.58		1.92	1.93		ug/L		100	70 - 130	1	20
Bromacil	<0.097		1.92	1.94		ug/L		101	70 - 130	1	20
Butachlor	<0.049		1.92	2.26		ug/L		118	70 - 130	1	20
Butylbenzylphthalate	<0.49		1.92	2.29		ug/L		119	70 - 130	1	20
Chlorobenzilate	<0.097		1.92	2.11		ug/L		110	70 - 130	0	20
Chloroneb	<0.097		1.92	2.13		ug/L		111	70 - 130	3	20
Chlorothalonil (Draconil, Bravo)	<0.097		1.92	2.27		ug/L		118	70 - 130	3	20
Chlorpyrifos	<0.049		1.92	1.95		ug/L		102	70 - 130	4	20
Chrysene	<0.019		1.92	1.63		ug/L		85	70 - 130	2	20
delta-BHC	<0.097		1.92	2.22		ug/L		116	70 - 130	0	20
Di(2-ethylhexyl)adipate	<0.58		1.92	2.19		ug/L		114	70 - 130	1	20

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

Lab Sample ID: 380-189454-J-1-A MSD
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenz(a,h)anthracene	<0.049		1.92	2.12		ug/L		110	70 - 130	1	20
Diclorvos (DDVP)	<0.049		1.92	2.32		ug/L		121	70 - 130	5	20
Dieldrin	<0.0097		1.92	2.10		ug/L		109	70 - 130	1	20
Diethylphthalate	<0.49		1.92	2.30		ug/L		120	70 - 130	5	20
Dimethylphthalate	<0.49		1.92	2.29		ug/L		119	70 - 130	3	20
Di-n-butyl phthalate	<0.97		3.84	4.18		ug/L		109	70 - 130	0	20
Di-n-octyl phthalate	<0.097		1.92	1.79		ug/L		93	70 - 130	4	20
Endosulfan I (Alpha)	<0.097		1.92	1.91		ug/L		100	70 - 130	2	20
Endosulfan II (Beta)	<0.097		1.92	2.10		ug/L		109	70 - 130	1	20
Endosulfan sulfate	<0.097		1.92	2.18		ug/L		114	70 - 130	1	20
Endrin	<0.0097		1.92	2.21		ug/L		115	70 - 130	2	20
Endrin aldehyde	<0.097		1.92	1.58		ug/L		82	60 - 130	1	20
EPTC	<0.097		1.92	2.32		ug/L		121	70 - 130	2	20
Fluoranthene	<0.097		1.92	2.12		ug/L		110	70 - 130	0	20
Fluorene	<0.049		1.92	2.17		ug/L		113	70 - 130	1	20
gamma-Chlordane	<0.049		1.92	1.88		ug/L		98	70 - 130	4	20
Heptachlor	<0.0097		1.92	2.25		ug/L		117	70 - 130	2	20
Heptachlor epoxide (isomer B)	<0.0097	^3+	1.92	1.98		ug/L		103	70 - 130	1	20
Hexachlorobenzene	<0.049		1.92	2.17		ug/L		113	70 - 130	1	20
Hexachlorocyclopentadiene	<0.049		1.92	2.01		ug/L		105	70 - 130	8	20
Indeno[1,2,3-cd]pyrene	<0.049		1.92	2.24		ug/L		117	70 - 130	2	20
Isophorone	<0.097		1.92	1.96		ug/L		102	70 - 130	1	20
Lindane	<0.0097		1.92	2.14		ug/L		111	70 - 130	3	20
Malathion	<0.097		1.92	2.18		ug/L		114	70 - 130	1	20
Methoxychlor	<0.049		1.92	2.04		ug/L		106	70 - 130	2	20
Metolachlor	<0.049		1.92	2.14		ug/L		112	70 - 130	2	20
Molinate	<0.097		1.92	2.19		ug/L		114	70 - 130	3	20
Naphthalene	<0.097		1.92	1.93		ug/L		101	70 - 130	2	20
Parathion	<0.097		1.92	2.33		ug/L		121	70 - 130	2	20
Pendimethalin (Penoxaline)	<0.097		1.92	2.24		ug/L		117	70 - 130	3	20
Phenanthrene	<0.039		1.92	2.02		ug/L		105	70 - 130	1	20
Propachlor	<0.049		1.92	2.15		ug/L		112	70 - 130	2	20
Pyrene	<0.049		1.92	1.96		ug/L		102	70 - 130	1	20
Simazine	<0.049		1.92	1.99		ug/L		104	70 - 130	2	20
Terbacil	<0.097		1.92	2.17		ug/L		113	70 - 130	0	20
Terbuthylazine	<0.097		1.92	2.24		ug/L		117	70 - 130	3	20
Thiobencarb	<0.097		1.92	2.10		ug/L		109	70 - 130	1	20
trans-Nonachlor	<0.049		1.92	1.71		ug/L		89	70 - 130	1	20
Trifluralin	<0.097		1.92	2.16		ug/L		113	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*105*		*70 - 130*
Triphenylphosphate	*108*		*70 - 130*

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

Lab Sample ID: MB 570-675514/1-A
Matrix: Water
Analysis Batch: 679405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675514

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
2-Methylnaphthalene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Acenaphthene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Acenaphthylene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Anthracene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Benzo[a]anthracene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Benzo[a]pyrene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Chrysene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Fluoranthene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Fluorene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Naphthalene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Phenanthrene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Pyrene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*28 - 127*	*12/26/25 13:32*	*01/06/26 20:21*	*1*
2-Fluorobiphenyl (Surr)	*83*		*31 - 120*	*12/26/25 13:32*	*01/06/26 20:21*	*1*
2-Fluorophenol (Surr)	*61*		*17 - 120*	*12/26/25 13:32*	*01/06/26 20:21*	*1*
Nitrobenzene-d5 (Surr)	*89*		*27 - 120*	*12/26/25 13:32*	*01/06/26 20:21*	*1*
Phenol-d6 (Surr)	*38*		*10 - 120*	*12/26/25 13:32*	*01/06/26 20:21*	*1*
p-Terphenyl-d14 (Surr)	*93*		*45 - 120*	*12/26/25 13:32*	*01/06/26 20:21*	*1*

Lab Sample ID: LCS 570-675514/2-A
Matrix: Water
Analysis Batch: 679405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	15.9		ug/L		79	47 - 120
2-Methylnaphthalene	20.0	15.7		ug/L		78	43 - 120
Acenaphthene	20.0	19.0		ug/L		95	60 - 132
Acenaphthylene	20.0	19.1		ug/L		96	54 - 126
Anthracene	20.0	19.0		ug/L		95	43 - 120
Benzo[a]anthracene	20.0	21.4		ug/L		107	42 - 133
Benzo[a]pyrene	20.0	19.7		ug/L		99	32 - 148
Benzo[b]fluoranthene	20.0	21.4		ug/L		107	42 - 140
Benzo[g,h,i]perylene	20.0	20.3		ug/L		101	1 - 195
Benzo[k]fluoranthene	20.0	20.1		ug/L		100	25 - 146
Chrysene	20.0	19.9		ug/L		100	44 - 140
Dibenz(a,h)anthracene	20.0	22.1		ug/L		111	1 - 200
Fluoranthene	20.0	20.3		ug/L		102	43 - 121
Fluorene	20.0	19.6		ug/L		98	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	23.0		ug/L		115	1 - 151
Naphthalene	20.0	14.6		ug/L		73	36 - 120

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

Lab Sample ID: LCS 570-675514/2-A
Matrix: Water
Analysis Batch: 679405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675514

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenanthrene			20.0	19.4		ug/L		97	65 - 120		
Pyrene			20.0	20.9		ug/L		105	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*46*		*28 - 127*
2-Fluorobiphenyl (Surr)	*43*		*31 - 120*
2-Fluorophenol (Surr)	*32*		*17 120*
Nitrobenzene-d5 (Surr)	*38*		*27 - 120*
Phenol-d6 (Surr)	*21*		*10 - 120*
p-Terphenyl-d14 (Surr)	*50*		*45 - 120*

Lab Sample ID: LCSD 570-675514/3-A
Matrix: Water
Analysis Batch: 679405

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 675514

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	15.9		ug/L		79	47 - 120	0	20
2-Methylnaphthalene			20.0	15.5		ug/L		78	43 - 120	1	20
Acenaphthene			20.0	18.6		ug/L		93	60 - 132	2	29
Acenaphthylene			20.0	18.7		ug/L		94	54 - 126	2	45
Anthracene			20.0	19.3		ug/L		96	43 - 120	1	40
Benzo[a]anthracene			20.0	20.9		ug/L		104	42 - 133	2	32
Benzo[a]pyrene			20.0	19.9		ug/L		100	32 - 148	1	43
Benzo[b]fluoranthene			20.0	20.1		ug/L		101	42 - 140	6	43
Benzo[g,h,i]perylene			20.0	19.8		ug/L		99	1 - 195	2	61
Benzo[k]fluoranthene			20.0	19.1		ug/L		95	25 - 146	5	38
Chrysene			20.0	19.4		ug/L		97	44 - 140	3	53
Dibenz(a,h)anthracene			20.0	21.4		ug/L		107	1 - 200	4	75
Fluoranthene			20.0	19.7		ug/L		99	43 - 121	3	40
Fluorene			20.0	18.9		ug/L		95	70 - 120	3	23
Indeno[1,2,3-cd]pyrene			20.0	21.9		ug/L		110	1 - 151	5	60
Naphthalene			20.0	14.4		ug/L		72	36 - 120	1	39
Phenanthrene			20.0	18.7		ug/L		94	65 - 120	4	24
Pyrene			20.0	20.7		ug/L		103	70 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*43*		*28 - 127*
2-Fluorobiphenyl (Surr)	*43*		*31 - 120*
2-Fluorophenol (Surr)	*32*		*17 - 120*
Nitrobenzene-d5 (Surr)	*37*		*27 - 120*
Phenol-d6 (Surr)	*21*		*10 - 120*
p-Terphenyl-d14 (Surr)	*49*		*45 - 120*

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

Lab Sample ID: MB 570-675935/6
Matrix: Water
Analysis Batch: 675935

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			12/28/25 12:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*38 - 134*		*12/28/25 12:55*	*1*

Lab Sample ID: LCS 570-675935/4
Matrix: Water
Analysis Batch: 675935

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	389		ug/L		97	78 - 120		

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

Lab Sample ID: LCSD 570-675935/5
Matrix: Water
Analysis Batch: 675935

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	396		ug/L		99	78 - 120	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*38 - 134*

Lab Sample ID: MRL 570-675935/3
Matrix: Water
Analysis Batch: 675935

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)	*93*		*38 - 134*

Lab Sample ID: 380-189446-E-1 MS
Matrix: Water
Analysis Batch: 675935

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	412		ug/L		103	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*38 - 134*

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

Lab Sample ID: 380-189446-E-1 MSD
Matrix: Water
Analysis Batch: 675935

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	383		ug/L		96	68 - 122	7	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*38 - 134*

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

Lab Sample ID: MB 570-675474/1-A
Matrix: Water
Analysis Batch: 679396

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675474

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		12/26/25 12:28	01/07/26 06:32	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		12/26/25 12:28	01/07/26 06:32	1
C8-C18	<25		25		ug/L		12/26/25 12:28	01/07/26 06:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*97*		*60 - 130*	*12/26/25 12:28*	*01/07/26 06:32*	*1*

Lab Sample ID: LCS 570-675474/2-A
Matrix: Water
Analysis Batch: 679396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675474

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1380		ug/L		87	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*131*	*S1+*	*60 - 130*

Lab Sample ID: LCSD 570-675474/3-A
Matrix: Water
Analysis Batch: 679396

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 675474

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1380		ug/L		86	56 - 127	0	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*112*		*60 - 130*

Lab Sample ID: MRL 570-675474/4-A
Matrix: Water
Analysis Batch: 679714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675474

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0231	J	mg/L		116	50 - 150		

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

Lab Sample ID: MRL 570-675474/4-A
Matrix: Water
Analysis Batch: 679714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675474

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	*153*		*60 - 130*

Lab Sample ID: 380-189454-A-1-A MS
Matrix: Water
Analysis Batch: 679714

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 675474

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1680	1570		ug/L		93	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	*116*		*60 - 130*

Lab Sample ID: 380-189454-A-1-B MSD
Matrix: Water
Analysis Batch: 679714

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 675474

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1650	1460		ug/L		88	70 - 130	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	*144*	*S1+*	*60 - 130*

GC/MS Semi VOA

Prep Batch: 195112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189448-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	
MB 380-195112/20-A	Method Blank	Total/NA	Water	525.2	
LCS 380-195112/22-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-195112/21-A	Lab Control Sample	Total/NA	Water	525.2	
380-189454-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-189454-J-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	

Analysis Batch: 195340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189448-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	195112
MB 380-195112/20-A	Method Blank	Total/NA	Water	525.2	195112
LCS 380-195112/22-A	Lab Control Sample	Total/NA	Water	525.2	195112
MRL 380-195112/21-A	Lab Control Sample	Total/NA	Water	525.2	195112
380-189454-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	195112
380-189454-J-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	195112

Prep Batch: 675514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189448-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1	
MB 570-675514/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-675514/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-675514/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 679405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-675514/1-A	Method Blank	Total/NA	Water	625.1 SIM	675514
LCS 570-675514/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	675514
LCSD 570-675514/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	675514

Analysis Batch: 679667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189448-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1 SIM	675514

Analysis Batch: 680476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189448-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1	675514

GC VOA

Analysis Batch: 675935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189448-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B GRO LL	
380-189448-2	TB:MOANALUA WELLS (331-223-TP202)	Total/NA	Water	8015B GRO LL	
MB 570-675935/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-675935/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-675935/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-675935/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-189446-E-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-189446-E-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: 380-189448-1
SDG: Weekly: Moanalua Wells

GC Semi VOA

Prep Batch: 675474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189448-1 - RA	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	3510C	
MB 570-675474/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-675474/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-675474/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-675474/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-189454-A-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-189454-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 679396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-675474/1-A	Method Blank	Total/NA	Water	8015B	675474
LCS 570-675474/2-A	Lab Control Sample	Total/NA	Water	8015B	675474
LCSD 570-675474/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	675474

Analysis Batch: 679714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189448-1 - RA	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B	675474
MRL 570-675474/4-A	Lab Control Sample	Total/NA	Water	8015B	675474
380-189454-A-1-A MS	Matrix Spike	Total/NA	Water	8015B	675474
380-189454-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	675474

Lab Chronicle

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

Job ID: 380-189448-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-189448-1

Date Collected: 12/22/25 09:13

Matrix: Drinking Water

Date Received: 12/24/25 10:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			195112	IQ42	EA POM	12/30/25 15:37
Total/NA	Analysis	525.2		1	195340	Q8LA	EA POM	12/31/25 18:08
Total/NA	Prep	625.1			675514	VAW2	EET CAL 4	12/27/25 08:18
Total/NA	Analysis	625.1		1	680476	UX77	EET CAL 4	01/09/26 16:45
Total/NA	Prep	625.1			675514	VAW2	EET CAL 4	12/27/25 08:18
Total/NA	Analysis	625.1 SIM		1	679667	PQS1	EET CAL 4	01/07/26 17:41
Total/NA	Analysis	8015B GRO LL		1	675935	AJG4	EET CAL 4	12/28/25 22:20
Total/NA	Prep	3510C	RA		675474	TVD6	EET CAL 4	12/27/25 09:07
Total/NA	Analysis	8015B	RA	1	679714	NR	EET CAL 4	01/07/26 17:50

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-189448-2

Date Collected: 12/22/25 09:13

Matrix: Water

Date Received: 12/24/25 10:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	675935	AJG4	EET CAL 4	12/28/25 20:08

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: 380-189448-1
SDG: Weekly: Moanalua Wells

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	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	03-02-26
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: 380-189448-1
SDG: Weekly: Moanalua Wells

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: 380-189448-1
SDG: Weekly: Moanalua Wells

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: 380-189448-1
SDG: Weekly: Moanalua Wells

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-189448-1	MOANALUA WELLS (331-223-TP202)	Drinking Water	12/22/25 09:13	12/24/25 10:37	HI0000331
380-189448-2	TB:MOANALUA WELLS (331-223-TP202)	Water	12/22/25 09:13	12/24/25 10:37	

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: 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

380-189448 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_C9 - HNL Ranges: C10-C24/C24-C36/C8-C16	625.2_PREC - (MOD) 625plus 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		
Moanalua Wells	22-Dec-2025	0913	G	Water			2	3	2	1				pump 1
Moanalua Wells (Matrix Spike)				Water										
Moanalua Wells (Matrix Spike Duplicate)				Water										
TB: Moanalua Wells	22-Dec-2025	0913		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: 8873 J722 3271 FDX

Relinquished by: [redacted]	Date/Time: 22 dec 2025 1400	Company: HBWS	Received by:	Date/Time: 12/24/25 1037	Company: DCL
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: 0.7 / 0.7 6314 BLUE ICE

RAT FROZEN

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

Chain of Custody Record

eurofins

Loc: 380
189448

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-289702.1
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 #: 380-189448-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/8/2026			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

380-189448 Chain of Custody

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)	625.1_SIM/625_Prep(MOD) Extended PAH List	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	8015B_DRO_LL_CS/3510C_LL/HNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
MOANALUA WELLS (331-223-TP202) (380-189448-1)	12/22/25	09:13 Hawaiian	G	Water			X	X	X	X	2	MRLs are needed. Confirm any hits >RL.
TB:MOANALUA WELLS (331-223-TP202) (380-189448-2)	12/22/25	09:13 Hawaiian	G	Water						X	2	MRLs are needed.

Note: Since laboratory accreditations are subject to change, Eurofins Eaton Analytical, 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 Eaton Analytical, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Eaton Analytical, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Eaton Analytical, 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:

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	12/26/25 1130	EEA		12-26-25 1130	
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: 1.9, 2.1 IR5

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-189448-1
SDG Number: Weekly: Moanalua Wells

Login Number: 189448
List Number: 1
Creator: Ngo, Theodore

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
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: 380-189448-1
SDG Number: Weekly: Moanalua Wells

Login Number: 189448
List Number: 2
Creator: Szymborski, Jessica

List Source: Eurofins Calscience
List Creation: 12/26/25 02:44 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	1.9/2.1
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	