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ANALYTICAL REPORT

PREPARED FOR

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City & County of Honolulu
630 South Beretania Street
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Honolulu, Hawaii 96843

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JOB DESCRIPTION

RED-HILL
Weekly: Ka'amilo Wells Pump 1/Pump 2
RUSH Weekly Red Hill

JOB NUMBER

380-181056-1

Eurofins Eaton Analytical 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 Eaton Analytical, LLC Project Manager.

Compliance Statement

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

Authorization

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Definitions/Glossary

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

Job ID: 380-181056-1
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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.

GC Semi VOA

Qualifier	Qualifier Description
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 Narrative
380-181056-1

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 11/5/2025 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.4°C, 2.4°C and 2.7°C.

GC/MS Semi VOA
Method 625.1_SIM: There is no LCSD for this PB: 652517 due to it being lost during concentration. The LCS is passing. The PB has a MS/MSD and is passing. The MS/MSD will be used for precision (RPD). Data has been reported. (LCS 570-652517/2-A)

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: The matrix spike and matrix spike duplicate (MS/MSD) associated with 570-254887-D-5 (parent sample) in analytical batch 570-656984 could not be reported due to parent sample was over diluted. The LCS/LCSD were performed and met acceptance criteria.

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 for the following samples were outside the upper control limit: Ka'amilo Wells Pump 1 (380-181056-1) and Ka'amilo Wells Pump 2 (380-181056-3). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B_DRO_LL_CS: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: (380-181052-B-1-A MS) and (380-181052-B-1-B MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and 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: 380-181056-1
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Client Sample ID: Ka'amilo Wells Pump 1 — Lab Sample ID: 380-181056-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.083		0.0098		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		0.0098		ug/L	1		525.2	Total/NA

Client Sample ID: TB: Ka'amilo Wells Pump 1 — Lab Sample ID: 380-181056-2

No Detections.

Client Sample ID: Ka'amilo Wells Pump 2 — Lab Sample ID: 380-181056-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.070		0.0098		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		0.0098		ug/L	1		525.2	Total/NA

Client Sample ID: TB: Ka'amilo Wells Pump 2 — Lab Sample ID: 380-181056-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: Ka'amilo Wells Pump 1

Date Collected: 11/03/25 12:06
Date Received: 11/05/25 09:55

Lab Sample ID: 380-181056-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
2,4'-DDD	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
2,4'-DDE	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
2,4'-DDT	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
2-Methylnaphthalene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
4,4'-DDD	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
4,4'-DDE	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
4,4'-DDT	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Acenaphthene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Acenaphthylene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Acetochlor	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Alachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
alpha-BHC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
alpha-Chlordane	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Anthracene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 16:39	1
Atrazine	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Benz(a)anthracene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Benzo[a]pyrene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 16:39	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 16:39	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 16:39	1
beta-BHC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		11/06/25 14:15	11/07/25 16:39	1
Bromacil	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Butachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Butylbenzylphthalate	<0.49		0.49		ug/L		11/06/25 14:15	11/07/25 16:39	1
Chlorobenzilate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Chloroneb	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Chlorpyrifos	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Chrysene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 16:39	1
delta-BHC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		11/06/25 14:15	11/07/25 16:39	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Dieldrin	**0.083**		0.0098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Diethylphthalate	<0.49		0.49		ug/L		11/06/25 14:15	11/07/25 16:39	1
Dimethylphthalate	<0.49		0.49		ug/L		11/06/25 14:15	11/07/25 16:39	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		11/06/25 14:15	11/07/25 16:39	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Endosulfan sulfate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Endrin	<0.0098		0.0098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Endrin aldehyde	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
EPTC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Fluoranthene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1

Client Sample ID: Ka'amilo Wells Pump 1
Date Collected: 11/03/25 12:06
Date Received: 11/05/25 09:55

Lab Sample ID: 380-181056-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
gamma-Chlordane	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Heptachlor	<0.0098		0.0098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Heptachlor epoxide (isomer B)	**0.014**		0.0098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Hexachlorobenzene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Isophorone	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Lindane	<0.0098		0.0098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Malathion	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Methoxychlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Metolachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Molinate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Naphthalene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Parathion	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Phenanthrene	<0.039		0.039		ug/L		11/06/25 14:15	11/07/25 16:39	1
Propachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Pyrene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Simazine	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Terbacil	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Terbuthylazine	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Thiobencarb	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		11/06/25 14:15	11/07/25 16:39	1
trans-Nonachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:39	1
Trifluralin	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:39	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2.9*	*T J*	*ug/L*		*2.53*	*N/A*	*11/06/25 14:15*	*11/07/25 16:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*11/06/25 14:15*	*11/07/25 16:39*	*1*
Perylene-d12	*96*		*70 - 130*	*11/06/25 14:15*	*11/07/25 16:39*	*1*
Triphenylphosphate	*93*		*70 - 130*	*11/06/25 14:15*	*11/07/25 16:39*	*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		11/07/25 05:00	11/20/25 08:16	1
2-Methylnaphthalene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Acenaphthene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Acenaphthylene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Anthracene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Benzo[a]anthracene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Benzo[a]pyrene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Chrysene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Fluoranthene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1

Client Sample ID: Ka'amilo Wells Pump 1

Lab Sample ID: 380-181056-1

Date Collected: 11/03/25 12:06
Matrix: Water
Date Received: 11/05/25 09:55

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		11/07/25 05:00	11/20/25 08:16	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Naphthalene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Phenanthrene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1
Pyrene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*28 - 127*	*11/07/25 05:00*	*11/20/25 08:16*	*1*
2-Fluorobiphenyl (Surr)	*70*		*31 - 120*	*11/07/25 05:00*	*11/20/25 08:16*	*1*
2-Fluorophenol (Surr)	*43*		*17 - 120*	*11/07/25 05:00*	*11/20/25 08:16*	*1*
Nitrobenzene-d5 (Surr)	*73*		*27 - 120*	*11/07/25 05:00*	*11/20/25 08:16*	*1*
Phenol-d6 (Surr)	*29*		*10 - 120*	*11/07/25 05:00*	*11/20/25 08:16*	*1*
p-Terphenyl-d14 (Surr)	*78*		*45 - 120*	*11/07/25 05:00*	*11/20/25 08:16*	*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*	*11/07/25 05:00*	*11/20/25 13:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*33 - 139*	*11/07/25 05:00*	*11/20/25 13:28*	*1*
2-Fluorobiphenyl (Surr)	*84*		*33 - 126*	*11/07/25 05:00*	*11/20/25 13:28*	*1*
2-Fluorophenol (Surr)	*48*		*12 - 120*	*11/07/25 05:00*	*11/20/25 13:28*	*1*
Nitrobenzene-d5 (Surr)	*82*		*36 - 120*	*11/07/25 05:00*	*11/20/25 13:28*	*1*
Phenol-d6 (Surr)	*27*		*10 - 120*	*11/07/25 05:00*	*11/20/25 13:28*	*1*
p-Terphenyl-d14 (Surr)	*87*		*47 - 131*	*11/07/25 05:00*	*11/20/25 13:28*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			11/08/25 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*38 - 134*		*11/08/25 22:57*	*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)	<25		25		ug/L		11/09/25 11:05	11/18/25 00:46	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		11/09/25 11:05	11/18/25 00:46	1
C8-C18	<25		25		ug/L		11/09/25 11:05	11/18/25 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*138*	*S1+*	*60 - 130*	*11/09/25 11:05*	*11/18/25 00:46*	*1*

Client Sample ID: TB: Ka'amilo Wells Pump 1

Lab Sample ID: 380-181056-2

Date Collected: 11/03/25 12:06
Matrix: Water
Date Received: 11/05/25 09:55

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			11/08/25 21:51	1

Client Sample ID: TB: Ka'amilo Wells Pump 1

Lab Sample ID: 380-181056-2

Date Collected: 11/03/25 12:06

Matrix: Water

Date Received: 11/05/25 09:55

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*96*		*38 - 134*		*11/08/25 21:51*	*1*

Client Sample ID: Ka'amilo Wells Pump 2

Lab Sample ID: 380-181056-3

Date Collected: 11/03/25 12:49

Matrix: Water

Date Received: 11/05/25 09:55

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		11/06/25 14:15	11/07/25 16:59	1
2,4'-DDD	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
2,4'-DDE	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
2,4'-DDT	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
2-Methylnaphthalene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
4,4'-DDD	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
4,4'-DDE	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
4,4'-DDT	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Acenaphthene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Acenaphthylene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Acetochlor	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Alachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
alpha-BHC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
alpha-Chlordane	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Anthracene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 16:59	1
Atrazine	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Benz(a)anthracene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Benzo[a]pyrene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 16:59	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 16:59	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 16:59	1
beta-BHC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		11/06/25 14:15	11/07/25 16:59	1
Bromacil	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Butachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Butylbenzylphthalate	<0.49		0.49		ug/L		11/06/25 14:15	11/07/25 16:59	1
Chlorobenzilate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Chloroneb	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Chlorpyrifos	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Chrysene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 16:59	1
delta-BHC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		11/06/25 14:15	11/07/25 16:59	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Dieldrin	**0.070**		0.0098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Diethylphthalate	<0.49		0.49		ug/L		11/06/25 14:15	11/07/25 16:59	1
Dimethylphthalate	<0.49		0.49		ug/L		11/06/25 14:15	11/07/25 16:59	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		11/06/25 14:15	11/07/25 16:59	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1

Client Sample ID: Ka'amilo Wells Pump 2

Date Collected: 11/03/25 12:49
Date Received: 11/05/25 09:55

Lab Sample ID: 380-181056-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I (Alpha)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Endosulfan sulfate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Endrin	<0.0098		0.0098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Endrin aldehyde	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
EPTC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Fluoranthene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Fluorene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
gamma-Chlordane	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Heptachlor	<0.0098		0.0098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Heptachlor epoxide (isomer B)	**0.014**		0.0098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Hexachlorobenzene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Isophorone	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Lindane	<0.0098		0.0098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Malathion	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Methoxychlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Metolachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Molinate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Naphthalene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Parathion	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Phenanthrene	<0.039		0.039		ug/L		11/06/25 14:15	11/07/25 16:59	1
Propachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Pyrene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Simazine	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Terbacil	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Terbuthylazine	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Thiobencarb	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		11/06/25 14:15	11/07/25 16:59	1
trans-Nonachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 16:59	1
Trifluralin	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 16:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.61*	*T J*	*ug/L*		*2.53*	*N/A*	*11/06/25 14:15*	*11/07/25 16:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*94*		*70 - 130*	*11/06/25 14:15*	*11/07/25 16:59*	*1*
Perylene-d12	*94*		*70 - 130*	*11/06/25 14:15*	*11/07/25 16:59*	*1*
Triphenylphosphate	*92*		*70 - 130*	*11/06/25 14:15*	*11/07/25 16:59*	*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		11/07/25 05:00	11/20/25 08:38	1
2-Methylnaphthalene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Acenaphthene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Acenaphthylene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Anthracene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Benzo[a]anthracene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1

Client Sample ID: Ka'amilo Wells Pump 2

Date Collected: 11/03/25 12:49
Date Received: 11/05/25 09:55

Lab Sample ID: 380-181056-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Chrysene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Fluoranthene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Fluorene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Naphthalene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Phenanthrene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1
Pyrene	<0.19		0.19		ug/L		11/07/25 05:00	11/20/25 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*28 - 127*	*11/07/25 05:00*	*11/20/25 08:38*	*1*
2-Fluorobiphenyl (Surr)	*83*		*31 - 120*	*11/07/25 05:00*	*11/20/25 08:38*	*1*
2-Fluorophenol (Surr)	*51*		*17 - 120*	*11/07/25 05:00*	*11/20/25 08:38*	*1*
Nitrobenzene-d5 (Surr)	*84*		*27 - 120*	*11/07/25 05:00*	*11/20/25 08:38*	*1*
Phenol-d6 (Surr)	*33*		*10 - 120*	*11/07/25 05:00*	*11/20/25 08:38*	*1*
p-Terphenyl-d14 (Surr)	*80*		*45 - 120*	*11/07/25 05:00*	*11/20/25 08:38*	*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*	*11/07/25 05:00*	*11/20/25 13:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*33 - 139*	*11/07/25 05:00*	*11/20/25 13:52*	*1*
2-Fluorobiphenyl (Surr)	*96*		*33 - 126*	*11/07/25 05:00*	*11/20/25 13:52*	*1*
2-Fluorophenol (Surr)	*52*		*12 - 120*	*11/07/25 05:00*	*11/20/25 13:52*	*1*
Nitrobenzene-d5 (Surr)	*87*		*36 - 120*	*11/07/25 05:00*	*11/20/25 13:52*	*1*
Phenol-d6 (Surr)	*30*		*10 - 120*	*11/07/25 05:00*	*11/20/25 13:52*	*1*
p-Terphenyl-d14 (Surr)	*92*		*47 - 131*	*11/07/25 05:00*	*11/20/25 13:52*	*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			11/16/25 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*		*11/16/25 21:56*	*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)	<25		25		ug/L		11/09/25 11:05	11/18/25 01:07	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		11/09/25 11:05	11/18/25 01:07	1
C8-C18	<25		25		ug/L		11/09/25 11:05	11/18/25 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*134*	*S1+*	*60 - 130*	*11/09/25 11:05*	*11/18/25 01:07*	*1*

Client Sample Results

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

Job ID: 380-181056-1
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Client Sample ID: TB: Ka'amilo Wells Pump 2

Date Collected: 11/03/25 12:49
Date Received: 11/05/25 09:55

Lab Sample ID: 380-181056-4

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			11/16/25 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*38 - 134*		*11/16/25 20:06*	*1*

Action Limit Summary

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

Job ID: 380-181056-1
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Client Sample ID: Ka'amilo Wells Pump 1 — Lab Sample ID: 380-181056-1

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	<0.049		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)	0.014		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

Client Sample ID: Ka'amilo Wells Pump 2 — Lab Sample ID: 380-181056-3

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)	0.014		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: 380-181056-1
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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)							
380-181047-I-1-A MS	Matrix Spike	94	97	101							
380-181052-I-1-A DU	Duplicate	95	92	97							
380-181056-1	Ka'amilo Wells Pump 1	96	96	93							
380-181056-3	Ka'amilo Wells Pump 2	94	94	92							
LCS 380-184888/22-A	Lab Control Sample	96	98	100							
MB 380-184888/20-A	Method Blank	95	89	97							
MRL 380-184888/21-A	Lab Control Sample	95	96	94							

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)		
380-181056-1	Ka'amilo Wells Pump 1	70	84	48	82	27	87		
380-181056-3	Ka'amilo Wells Pump 2	83	96	52	87	30	92		
MB 570-652517/1-A	Method Blank	100	108	67	105	39	99		

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)		
380-181052-A-1-A MS	Matrix Spike	96	86	65	72	43	94		
380-181052-A-1-B MSD	Matrix Spike Duplicate	92	82	64	72	42	94		
380-181056-1	Ka'amilo Wells Pump 1	98	70	43	73	29	78		
380-181056-3	Ka'amilo Wells Pump 2	105	83	51	84	33	80		
LCS 570-652517/2-A	Lab Control Sample	94	86	58	71	38	95		
MB 570-652517/1-A	Method Blank	99	86	59	87	38	98		

Surrogate Legend

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

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-181056-1
Project/Site: RED-HILL
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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)						
380-181052-C-1 MS	Matrix Spike	98						
380-181052-C-1 MSD	Matrix Spike Duplicate	94						
380-181056-1	Ka'amilo Wells Pump 1	88						
380-181056-2	TB: Ka'amilo Wells Pump 1	96						
380-181056-3	Ka'amilo Wells Pump 2	94						
380-181056-4	TB: Ka'amilo Wells Pump 2	96						
570-254887-D-5 MS	Matrix Spike	93						
570-254887-D-5 MSD	Matrix Spike Duplicate	94						
LCS 570-653207/4	Lab Control Sample	92						
LCS 570-656984/4	Lab Control Sample	90						
LCSD 570-653207/5	Lab Control Sample Dup	98						
LCSD 570-656984/5	Lab Control Sample Dup	92						
MB 570-653207/6	Method Blank	95						
MB 570-656984/6	Method Blank	94						
MRL 570-653207/3	Lab Control Sample	91						
MRL 570-656984/3	Lab Control Sample	93						

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)						
380-181052-B-1-A MS	Matrix Spike	132 S1+						
380-181052-B-1-B MSD	Matrix Spike Duplicate	134 S1+						
380-181056-1	Ka'amilo Wells Pump 1	138 S1+						
380-181056-3	Ka'amilo Wells Pump 2	134 S1+						
LCS 570-653516/2-A	Lab Control Sample	115						
LCSD 570-653516/3-A	Lab Control Sample Dup	102						
MB 570-653516/1-A	Method Blank	94						
MRL 570-653516/4-A	Lab Control Sample	88						

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-184888/20-A
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184888

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
2,4'-DDD	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
2,4'-DDE	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
2,4'-DDT	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
2-Methylnaphthalene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
4,4'-DDD	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
4,4'-DDE	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
4,4'-DDT	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Acenaphthene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Acenaphthylene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Acetochlor	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Alachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
alpha-BHC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
alpha-Chlordane	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Anthracene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 13:37	1
Atrazine	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Benz(a)anthracene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Benzo[a]pyrene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 13:37	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 13:37	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 13:37	1
beta-BHC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		11/06/25 14:15	11/07/25 13:37	1
Bromacil	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Butachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Butylbenzylphthalate	<0.49		0.49		ug/L		11/06/25 14:15	11/07/25 13:37	1
Chlorobenzilate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Chloroneb	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Chlorpyrifos	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Chrysene	<0.020		0.020		ug/L		11/06/25 14:15	11/07/25 13:37	1
delta-BHC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		11/06/25 14:15	11/07/25 13:37	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Dieldrin	<0.0098		0.0098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Diethylphthalate	<0.49		0.49		ug/L		11/06/25 14:15	11/07/25 13:37	1
Dimethylphthalate	<0.49		0.49		ug/L		11/06/25 14:15	11/07/25 13:37	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		11/06/25 14:15	11/07/25 13:37	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Endosulfan sulfate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Endrin	<0.0098		0.0098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Endrin aldehyde	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
EPTC	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1

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

Lab Sample ID: MB 380-184888/20-A
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 184888

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Fluorene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
gamma-Chlordane	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Heptachlor	<0.0098		0.0098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Hexachlorobenzene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Isophorone	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Lindane	<0.0098		0.0098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Malathion	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Methoxychlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Metolachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Molinate	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Naphthalene	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Parathion	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Phenanthrene	<0.039		0.039		ug/L		11/06/25 14:15	11/07/25 13:37	1
Propachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Pyrene	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Simazine	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Terbacil	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Terbuthylazine	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Thiobencarb	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		11/06/25 14:15	11/07/25 13:37	1
trans-Nonachlor	<0.049		0.049		ug/L		11/06/25 14:15	11/07/25 13:37	1
Trifluralin	<0.098		0.098		ug/L		11/06/25 14:15	11/07/25 13:37	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-	*0.912*	*T J N*	*ug/L*		*2.63*	*1000154-28-6*	*11/06/25 14:15*	*11/07/25 13:37*	*1*
Bacchotricuneatin c	*0.735*	*T J N*	*ug/L*		*3.10*	*66563-30-2*	*11/06/25 14:15*	*11/07/25 13:37*	*1*
Undecane	*2.78*	*T J N*	*ug/L*		*3.22*	*1120-21-4*	*11/06/25 14:15*	*11/07/25 13:37*	*1*
Cyclopentasiloxane, decamethyl-	*0.538*	*T J N*	*ug/L*		*3.36*	*541-02-6*	*11/06/25 14:15*	*11/07/25 13:37*	*1*
n-Hexadecanoic acid	*0.581*	*T J N*	*ug/L*		*6.35*	*57-10-3*	*11/06/25 14:15*	*11/07/25 13:37*	*1*
9-Octadecenamide, (Z)-	*1.92*	*T J N*	*ug/L*		*8.16*	*301-02-0*	*11/06/25 14:15*	*11/07/25 13:37*	*1*
Unknown	*0.520*	*T J*	*ug/L*		*15.50*	*N/A*	*11/06/25 14:15*	*11/07/25 13:37*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*95*		*70 - 130*	*11/06/25 14:15*	*11/07/25 13:37*	*1*
Perylene-d12	*89*		*70 - 130*	*11/06/25 14:15*	*11/07/25 13:37*	*1*
Triphenylphosphate	*97*		*70 - 130*	*11/06/25 14:15*	*11/07/25 13:37*	*1*

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

Lab Sample ID: LCS 380-184888/22-A
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.96	2.14		ug/L		109	70 - 130
2,4'-DDD	1.96	2.18		ug/L		111	70 - 130
2,4'-DDE	1.96	2.15		ug/L		110	70 - 130
2,4'-DDT	1.96	2.06		ug/L		105	70 - 130
2,4-Dinitrotoluene	1.96	1.75		ug/L		89	70 - 130
2,6-Dinitrotoluene	1.96	1.95		ug/L		99	70 - 130
2-Methylnaphthalene	1.96	2.16		ug/L		110	70 - 130
4,4'-DDD	1.96	2.20		ug/L		112	70 - 130
4,4'-DDE	1.96	1.76		ug/L		90	70 - 130
4,4'-DDT	1.96	2.13		ug/L		109	70 - 130
Acenaphthene	1.96	2.01		ug/L		102	70 - 130
Acenaphthylene	1.96	1.94		ug/L		99	70 - 130
Acetochlor	1.96	1.97		ug/L		100	70 - 130
Alachlor	1.96	1.88		ug/L		96	70 - 130
alpha-BHC	1.96	1.93		ug/L		98	70 - 130
alpha-Chlordane	1.96	2.07		ug/L		105	70 - 130
Anthracene	1.96	1.72		ug/L		88	70 - 130
Atrazine	1.96	2.28		ug/L		116	70 - 130
Benz(a)anthracene	1.96	2.10		ug/L		107	70 - 130
Benzo[a]pyrene	1.96	2.01		ug/L		102	70 - 130
Benzo[b]fluoranthene	1.96	2.31		ug/L		118	70 - 130
Benzo[g,h,i]perylene	1.96	2.24		ug/L		114	70 - 130
Benzo[k]fluoranthene	1.96	2.11		ug/L		108	70 - 130
beta-BHC	1.96	1.91		ug/L		98	70 - 130
Bis(2-ethylhexyl) phthalate	1.96	1.85		ug/L		94	70 - 130
Bromacil	1.96	1.63		ug/L		83	70 - 130
Butachlor	1.96	1.99		ug/L		101	70 - 130
Butylbenzylphthalate	1.96	2.16		ug/L		110	70 - 130
Chlorobenzilate	1.96	2.01		ug/L		102	70 - 130
Chloroneb	1.96	2.01		ug/L		102	70 - 130
Chlorothalonil (Draconil, Bravo)	1.96	2.29		ug/L		117	70 - 130
Chlorpyrifos	1.96	1.94		ug/L		99	70 - 130
Chrysene	1.96	1.91		ug/L		97	70 - 130
delta-BHC	1.96	1.85		ug/L		94	70 - 130
Di(2-ethylhexyl)adipate	1.96	2.29		ug/L		117	70 - 130
Dibenz(a,h)anthracene	1.96	2.25		ug/L		114	70 - 130
Diclorvos (DDVP)	1.96	2.10		ug/L		107	70 - 130
Dieldrin	1.96	2.18		ug/L		111	70 - 130
Diethylphthalate	1.96	2.17		ug/L		111	70 - 130
Dimethylphthalate	1.96	2.06		ug/L		105	70 - 130
Di-n-butyl phthalate	3.93	4.49		ug/L		114	70 - 130
Di-n-octyl phthalate	1.96	1.88		ug/L		96	70 - 130
Endosulfan I (Alpha)	1.96	1.79		ug/L		91	70 - 130
Endosulfan II (Beta)	1.96	1.77		ug/L		90	70 - 130
Endosulfan sulfate	1.96	2.24		ug/L		114	70 - 130
Endrin	1.96	2.32		ug/L		118	70 - 130
Endrin aldehyde	1.96	1.64		ug/L		83	60 - 130
EPTC	1.96	2.11		ug/L		108	70 - 130

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

Lab Sample ID: LCS 380-184888/22-A
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	1.96	1.92		ug/L		98	70 - 130
Fluorene	1.96	2.13		ug/L		109	70 - 130
gamma-Chlordane	1.96	2.07		ug/L		106	70 - 130
Heptachlor	1.96	2.13		ug/L		108	70 - 130
Heptachlor epoxide (isomer B)	1.96	1.63		ug/L		83	70 - 130
Hexachlorobenzene	1.96	2.11		ug/L		108	70 - 130
Hexachlorocyclopentadiene	1.96	2.23		ug/L		114	70 - 130
Indeno[1,2,3-cd]pyrene	1.96	2.24		ug/L		114	70 - 130
Isophorone	1.96	1.77		ug/L		90	70 - 130
Lindane	1.96	2.15		ug/L		110	70 - 130
Malathion	1.96	1.92		ug/L		98	70 - 130
Methoxychlor	1.96	1.74		ug/L		89	70 - 130
Metolachlor	1.96	2.01		ug/L		102	70 - 130
Molinate	1.96	2.10		ug/L		107	70 - 130
Naphthalene	1.96	2.13		ug/L		108	70 - 130
Parathion	1.96	2.16		ug/L		110	70 - 130
Pendimethalin (Penoxaline)	1.96	2.12		ug/L		108	70 - 130
Phenanthrene	1.96	1.89		ug/L		96	70 - 130
Propachlor	1.96	2.23		ug/L		113	70 - 130
Pyrene	1.96	2.00		ug/L		102	70 - 130
Simazine	1.96	2.09		ug/L		106	70 - 130
Terbacil	1.96	2.04		ug/L		104	70 - 130
Terbuthylazine	1.96	2.21		ug/L		113	70 - 130
Thiobencarb	1.96	2.14		ug/L		109	70 - 130
trans-Nonachlor	1.96	2.02		ug/L		103	70 - 130
Trifluralin	1.96	1.94		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*98*		*70 - 130*
Triphenylphosphate	*100*		*70 - 130*

Lab Sample ID: MRL 380-184888/21-A
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184888

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0983	0.122		ug/L		124	50 - 150
2,4'-DDD	0.0983	0.0854	J	ug/L		87	50 - 150
2,4'-DDE	0.0983	0.102		ug/L		104	50 - 150
2,4'-DDT	0.0983	0.109		ug/L		111	50 - 150
2,4-Dinitrotoluene	0.0983	0.108		ug/L		110	50 - 150
2,6-Dinitrotoluene	0.0983	0.127		ug/L		129	50 - 150
2-Methylnaphthalene	0.0983	0.116		ug/L		118	50 - 150
4,4'-DDD	0.0983	0.0991		ug/L		101	50 - 150
4,4'-DDE	0.0983	0.111		ug/L		113	50 - 150
4,4'-DDT	0.0983	0.115		ug/L		117	50 - 150
Acenaphthene	0.0983	0.0988		ug/L		100	50 - 150

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

Lab Sample ID: MRL 380-184888/21-A
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184888

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	0.0983	0.0936	J	ug/L		95	50 - 150
Acetochlor	0.0983	0.130		ug/L		132	50 - 150
Alachlor	0.0492	0.0638		ug/L		130	50 - 150
alpha-BHC	0.0983	0.0937	J	ug/L		95	50 - 150
alpha-Chlordane	0.0246	<0.029		ug/L		104	50 - 150
Anthracene	0.0197	0.0208		ug/L		106	50 - 150
Atrazine	0.0492	0.0479	J	ug/L		98	50 - 150
Benz(a)anthracene	0.0492	0.0536		ug/L		109	50 - 150
Benzo[a]pyrene	0.0197	0.0219		ug/L		111	50 - 150
Benzo[b]fluoranthene	0.0197	0.0198	J	ug/L		101	50 - 150
Benzo[g,h,i]perylene	0.0492	0.0575		ug/L		117	50 - 150
Benzo[k]fluoranthene	0.0197	<0.017		ug/L		85	50 - 150
beta-BHC	0.0983	0.0983		ug/L		100	50 - 150
Bis(2-ethylhexyl) phthalate	0.590	0.610		ug/L		103	50 - 150
Bromacil	0.0983	0.108		ug/L		110	50 - 150
Butachlor	0.0492	0.0737		ug/L		150	50 - 150
Butylbenzylphthalate	0.492	0.578		ug/L		118	50 - 150
Chlorobenzilate	0.0983	0.123		ug/L		125	50 - 150
Chloroneb	0.0983	0.0875	J	ug/L		89	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0983	0.107		ug/L		109	50 - 150
Chlorpyrifos	0.0492	0.0548		ug/L		111	50 - 150
Chrysene	0.0197	0.0187	J	ug/L		95	50 - 150
delta-BHC	0.0983	0.0977	J	ug/L		99	50 - 150
Di(2-ethylhexyl)adipate	0.590	0.684		ug/L		116	50 - 150
Dibenz(a,h)anthracene	0.0492	0.0582		ug/L		118	50 - 150
Diclorvos (DDVP)	0.0492	0.0548		ug/L		112	50 - 150
Dieldrin	0.00983	0.00966	J	ug/L		98	50 - 150
Diethylphthalate	0.492	0.556		ug/L		113	50 - 150
Dimethylphthalate	0.492	0.518		ug/L		105	50 - 150
Di-n-butyl phthalate	0.492	0.508	J	ug/L		103	49 - 243
Di-n-octyl phthalate	0.0983	0.113		ug/L		115	50 - 150
Endosulfan I (Alpha)	0.0983	0.0876	J	ug/L		89	50 - 150
Endosulfan II (Beta)	0.0983	0.0946	J	ug/L		96	50 - 150
Endosulfan sulfate	0.0983	0.115		ug/L		117	50 - 150
Endrin	0.00983	0.0106		ug/L		108	50 - 150
Endrin aldehyde	0.0983	0.115		ug/L		117	50 - 150
EPTC	0.0983	0.114		ug/L		116	50 - 150
Fluoranthene	0.0983	0.101		ug/L		103	50 - 150
Fluorene	0.0492	0.0546		ug/L		111	50 - 150
gamma-Chlordane	0.0246	0.0248	J	ug/L		101	50 - 150
Heptachlor	0.00983	0.0141		ug/L		143	50 - 150
Heptachlor epoxide (isomer B)	0.00983	0.0129		ug/L		131	50 - 150
Hexachlorobenzene	0.0492	0.0561		ug/L		114	50 - 150
Hexachlorocyclopentadiene	0.0492	0.0466	J	ug/L		95	50 - 150
Indeno[1,2,3-cd]pyrene	0.0492	0.0591		ug/L		120	50 - 150
Isophorone	0.0983	0.108		ug/L		110	50 - 150
Lindane	0.00983	0.0114		ug/L		116	50 - 150
Malathion	0.0983	0.112		ug/L		114	50 - 150
Methoxychlor	0.0492	0.0730		ug/L		149	50 - 150

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

Lab Sample ID: MRL 380-184888/21-A
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 184888

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Metolachlor	0.0492	0.0649		ug/L		132	50 - 150
Molinate	0.0983	0.115		ug/L		117	50 - 150
Naphthalene	0.0983	0.117		ug/L		119	50 - 150
Parathion	0.0983	0.100		ug/L		102	50 - 150
Pendimethalin (Penoxaline)	0.0983	0.102		ug/L		104	50 - 150
Phenanthrene	0.0393	0.0417		ug/L		106	50 - 150
Propachlor	0.0492	0.0669		ug/L		136	50 - 150
Pyrene	0.0492	0.0583		ug/L		119	50 - 150
Simazine	0.0492	0.0448	J	ug/L		91	50 - 150
Terbacil	0.0983	0.108		ug/L		109	50 - 150
Terbuthylazine	0.0983	0.103		ug/L		105	50 - 150
Thiobencarb	0.0983	0.106		ug/L		108	50 - 150
trans-Nonachlor	0.0246	<0.026		ug/L		85	50 - 150
Trifluralin	0.0983	0.116		ug/L		118	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*96*		*70 - 130*
Triphenylphosphate	*94*		*70 - 130*

Lab Sample ID: 380-181047-I-1-A MS
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 184888

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.098		1.99	2.12		ug/L		107	70 - 130
2,4'-DDD	<0.098		1.99	2.20		ug/L		111	70 - 130
2,4'-DDE	<0.098		1.99	2.16		ug/L		109	70 - 130
2,4'-DDT	<0.098		1.99	2.11		ug/L		106	70 - 130
2,4-Dinitrotoluene	<0.098		1.99	1.86		ug/L		93	70 - 130
2,6-Dinitrotoluene	<0.098		1.99	2.05		ug/L		103	70 - 130
2-Methylnaphthalene	<0.098		1.99	2.13		ug/L		107	70 - 130
4,4'-DDD	<0.098		1.99	2.24		ug/L		113	70 - 130
4,4'-DDE	<0.098		1.99	1.80		ug/L		91	70 - 130
4,4'-DDT	<0.098		1.99	2.19		ug/L		110	70 - 130
Acenaphthene	<0.098		1.99	2.03		ug/L		102	70 - 130
Acenaphthylene	<0.098		1.99	2.04		ug/L		103	70 - 130
Acetochlor	<0.098		1.99	1.96		ug/L		98	70 - 130
Alachlor	<0.049		1.99	1.90		ug/L		96	70 - 130
alpha-BHC	<0.098		1.99	1.89		ug/L		95	70 - 130
alpha-Chlordane	<0.049		1.99	2.04		ug/L		103	70 - 130
Anthracene	<0.020		1.99	1.53		ug/L		77	70 - 130
Atrazine	<0.049		1.99	2.31		ug/L		116	70 - 130
Benz(a)anthracene	<0.049		1.99	2.10		ug/L		106	70 - 130
Benzo[a]pyrene	<0.020		1.99	1.95		ug/L		98	70 - 130
Benzo[b]fluoranthene	<0.020		1.99	2.23		ug/L		112	70 - 130
Benzo[g,h,i]perylene	<0.049		1.99	2.24		ug/L		113	70 - 130
Benzo[k]fluoranthene	<0.020		1.99	2.18		ug/L		110	70 - 130

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

Lab Sample ID: 380-181047-I-1-A MS
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 184888

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
beta-BHC	<0.098		1.99	1.93		ug/L		97	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.99	1.84		ug/L		93	70 - 130
Bromacil	<0.098		1.99	1.69		ug/L		85	70 - 130
Butachlor	<0.049		1.99	2.00		ug/L		101	70 - 130
Butylbenzylphthalate	<0.49		1.99	2.16		ug/L		109	70 - 130
Chlorobenzilate	<0.098		1.99	2.04		ug/L		103	70 - 130
Chloroneb	<0.098		1.99	1.98		ug/L		100	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.99	2.27		ug/L		114	70 - 130
Chlorpyrifos	<0.049		1.99	1.97		ug/L		99	70 - 130
Chrysene	<0.020		1.99	1.93		ug/L		97	70 - 130
delta-BHC	<0.098		1.99	1.82		ug/L		92	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.99	2.31		ug/L		116	70 - 130
Dibenz(a,h)anthracene	<0.049		1.99	2.24		ug/L		113	70 - 130
Diclorvos (DDVP)	<0.049		1.99	2.15		ug/L		108	70 - 130
Dieldrin	<0.0098		1.99	2.21		ug/L		111	70 - 130
Diethylphthalate	<0.49		1.99	2.11		ug/L		106	70 - 130
Dimethylphthalate	<0.49		1.99	2.01		ug/L		101	70 - 130
Di-n-butyl phthalate	<0.98		3.97	4.44		ug/L		112	70 - 130
Di-n-octyl phthalate	<0.098		1.99	1.87		ug/L		94	70 - 130
Endosulfan I (Alpha)	<0.098		1.99	1.79		ug/L		90	70 - 130
Endosulfan II (Beta)	<0.098		1.99	1.79		ug/L		90	70 - 130
Endosulfan sulfate	<0.098		1.99	2.20		ug/L		111	70 - 130
Endrin	<0.0098		1.99	2.30		ug/L		116	70 - 130
Endrin aldehyde	<0.098		1.99	1.40		ug/L		71	60 - 130
EPTC	<0.098		1.99	2.09		ug/L		105	70 - 130
Fluoranthene	<0.098		1.99	1.97		ug/L		99	70 - 130
Fluorene	<0.049		1.99	2.15		ug/L		108	70 - 130
gamma-Chlordane	<0.049		1.99	2.02		ug/L		102	70 - 130
Heptachlor	<0.0098		1.99	2.14		ug/L		108	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.99	1.68		ug/L		84	70 - 130
Hexachlorobenzene	<0.049		1.99	2.11		ug/L		106	70 - 130
Hexachlorocyclopentadiene	<0.049		1.99	2.32		ug/L		117	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.99	2.26		ug/L		114	70 - 130
Isophorone	<0.098		1.99	1.79		ug/L		90	70 - 130
Lindane	<0.0098		1.99	2.13		ug/L		107	70 - 130
Malathion	<0.098		1.99	1.96		ug/L		99	70 - 130
Methoxychlor	<0.049		1.99	1.78		ug/L		90	70 - 130
Metolachlor	<0.049		1.99	2.00		ug/L		100	70 - 130
Molinate	<0.098		1.99	2.10		ug/L		106	70 - 130
Naphthalene	<0.098		1.99	2.13		ug/L		107	70 - 130
Parathion	<0.098		1.99	2.22		ug/L		112	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.99	2.26		ug/L		114	70 - 130
Phenanthrene	<0.039		1.99	1.90		ug/L		96	70 - 130
Propachlor	<0.049		1.99	2.21		ug/L		111	70 - 130
Pyrene	<0.049		1.99	2.01		ug/L		101	70 - 130
Simazine	<0.049		1.99	2.04		ug/L		103	70 - 130
Terbacil	<0.098		1.99	2.05		ug/L		103	70 - 130
Terbuthylazine	<0.098		1.99	2.24		ug/L		113	70 - 130
Thiobencarb	<0.098		1.99	2.16		ug/L		109	70 - 130

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

Lab Sample ID: 380-181047-I-1-A MS
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 184888

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
trans-Nonachlor	<0.049		1.99	2.10		ug/L		105	70 - 130
Trifluralin	<0.098		1.99	2.02		ug/L		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*94*		*70 - 130*
Perylene-d12	*97*		*70 - 130*
Triphenylphosphate	*101*		*70 - 130*

Lab Sample ID: 380-181052-I-1-A DU
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 184888

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1-Methylnaphthalene	<0.098		<0.099		ug/L		NC	20
2,4'-DDD	<0.098		<0.099		ug/L		NC	20
2,4'-DDE	<0.098		<0.099		ug/L		NC	20
2,4'-DDT	<0.098		<0.099		ug/L		NC	20
2,4-Dinitrotoluene	<0.098		<0.099		ug/L		NC	20
2,6-Dinitrotoluene	<0.098		<0.099		ug/L		NC	20
2-Methylnaphthalene	<0.098		<0.099		ug/L		NC	20
4,4'-DDD	<0.098		<0.099		ug/L		NC	20
4,4'-DDE	<0.098		<0.099		ug/L		NC	20
4,4'-DDT	<0.098		<0.099		ug/L		NC	20
Acenaphthene	<0.098		<0.099		ug/L		NC	20
Acenaphthylene	<0.098		<0.099		ug/L		NC	20
Acetochlor	<0.098		<0.099		ug/L		NC	20
Alachlor	<0.049		<0.049		ug/L		NC	20
alpha-BHC	<0.098		<0.099		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.020		<0.020		ug/L		NC	20
Atrazine	<0.049		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.020		<0.020		ug/L		NC	20
Benzo[b]fluoranthene	<0.020		<0.020		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.020		<0.020		ug/L		NC	20
beta-BHC	<0.098		<0.099		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.59		<0.59		ug/L		NC	20
Bromacil	<0.098		<0.099		ug/L		NC	20
Butachlor	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.49		ug/L		NC	20
Chlorobenzilate	<0.098		<0.099		ug/L		NC	20
Chloroneb	<0.098		<0.099		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.098		<0.099		ug/L		NC	20
Chlorpyrifos	<0.049		<0.049		ug/L		NC	20
Chrysene	<0.020		<0.020		ug/L		NC	20
delta-BHC	<0.098		<0.099		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.59		<0.59		ug/L		NC	20

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

Lab Sample ID: 380-181052-I-1-A DU
Matrix: Water
Analysis Batch: 185110

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 184888

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dibenz(a,h)anthracene	<0.049			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.049			<0.049		ug/L				NC	20
Dieldrin	0.034			0.0365		ug/L				6	20
Diethylphthalate	<0.49			<0.49		ug/L				NC	20
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.98			<0.99		ug/L				NC	20
Di-n-octyl phthalate	<0.098			<0.099		ug/L				NC	20
Endosulfan I (Alpha)	<0.098			<0.099		ug/L				NC	20
Endosulfan II (Beta)	<0.098			<0.099		ug/L				NC	20
Endosulfan sulfate	<0.098			<0.099		ug/L				NC	20
Endrin	<0.0098			<0.0099		ug/L				NC	20
Endrin aldehyde	<0.098			<0.099		ug/L				NC	20
EPTC	<0.098			<0.099		ug/L				NC	20
Fluoranthene	<0.098			<0.099		ug/L				NC	20
Fluorene	<0.049			<0.049		ug/L				NC	20
gamma-Chlordane	<0.049			<0.049		ug/L				NC	20
Heptachlor	<0.0098			<0.0099		ug/L				NC	20
Heptachlor epoxide (isomer B)	0.014			0.0125		ug/L				8	20
Hexachlorobenzene	<0.049			<0.049		ug/L				NC	20
Hexachlorocyclopentadiene	<0.049			<0.049		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.049			<0.049		ug/L				NC	20
Isophorone	<0.098			<0.099		ug/L				NC	20
Lindane	<0.0098			<0.0099		ug/L				NC	20
Malathion	<0.098			<0.099		ug/L				NC	20
Methoxychlor	<0.049			<0.049		ug/L				NC	20
Metolachlor	<0.049			<0.049		ug/L				NC	20
Molinate	<0.098			<0.099		ug/L				NC	20
Naphthalene	<0.098			<0.099		ug/L				NC	20
Parathion	<0.098			<0.099		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.098			<0.099		ug/L				NC	20
Phenanthrene	<0.039			<0.039		ug/L				NC	20
Propachlor	<0.049			<0.049		ug/L				NC	20
Pyrene	<0.049			<0.049		ug/L				NC	20
Simazine	<0.049			<0.049		ug/L				NC	20
Terbacil	<0.098			<0.099		ug/L				NC	20
Terbuthylazine	<0.098			<0.099		ug/L				NC	20
Thiobencarb	<0.098			<0.099		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.20			<0.20		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.098			<0.099		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*92*		*70 - 130*
Triphenylphosphate	*97*		*70 - 130*

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

Lab Sample ID: MB 570-652517/1-A
Matrix: Water
Analysis Batch: 659204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652517

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	11/07/25 05:00	11/20/25 10:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	100		33 - 139	11/07/25 05:00	11/20/25 10:38	1
2-Fluorobiphenyl (Surr)	108		33 - 126	11/07/25 05:00	11/20/25 10:38	1
2-Fluorophenol (Surr)	67		12 - 120	11/07/25 05:00	11/20/25 10:38	1
Nitrobenzene-d5 (Surr)	105		36 - 120	11/07/25 05:00	11/20/25 10:38	1
Phenol-d6 (Surr)	39		10 - 120	11/07/25 05:00	11/20/25 10:38	1
p-Terphenyl-d14 (Surr)	99		47 - 131	11/07/25 05:00	11/20/25 10:38	1

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

Lab Sample ID: MB 570-652517/1-A
Matrix: Water
Analysis Batch: 658616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652517

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
2-Methylnaphthalene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Acenaphthene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Acenaphthylene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Anthracene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Benzo[a]anthracene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Benzo[a]pyrene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Chrysene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Fluoranthene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Fluorene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Naphthalene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Phenanthrene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1
Pyrene	<0.20		0.20		ug/L		11/07/25 05:00	11/19/25 21:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	99		28 - 127	11/07/25 05:00	11/19/25 21:32	1
2-Fluorobiphenyl (Surr)	86		31 - 120	11/07/25 05:00	11/19/25 21:32	1
2-Fluorophenol (Surr)	59		17 - 120	11/07/25 05:00	11/19/25 21:32	1
Nitrobenzene-d5 (Surr)	87		27 - 120	11/07/25 05:00	11/19/25 21:32	1
Phenol-d6 (Surr)	38		10 - 120	11/07/25 05:00	11/19/25 21:32	1
p-Terphenyl-d14 (Surr)	98		45 - 120	11/07/25 05:00	11/19/25 21:32	1

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

Lab Sample ID: LCS 570-652517/2-A
Matrix: Water
Analysis Batch: 658616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	14.5		ug/L		73	47 - 120
2-Methylnaphthalene	20.0	14.5		ug/L		73	43 - 120
Acenaphthene	20.0	16.6		ug/L		83	60 - 132
Acenaphthylene	20.0	17.4		ug/L		87	54 - 126
Anthracene	20.0	16.1		ug/L		81	43 - 120
Benzo[a]anthracene	20.0	17.8		ug/L		89	42 - 133
Benzo[a]pyrene	20.0	18.1		ug/L		90	32 - 148
Benzo[b]fluoranthene	20.0	18.3		ug/L		91	42 - 140
Benzo[g,h,i]perylene	20.0	18.3		ug/L		92	1 - 195
Benzo[k]fluoranthene	20.0	17.2		ug/L		86	25 - 146
Chrysene	20.0	17.1		ug/L		85	44 - 140
Dibenz(a,h)anthracene	20.0	19.6		ug/L		98	1 - 200
Fluoranthene	20.0	16.4		ug/L		82	43 - 121
Fluorene	20.0	16.8		ug/L		84	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	19.9		ug/L		99	1 - 151
Naphthalene	20.0	13.7		ug/L		69	36 - 120
Phenanthrene	20.0	16.6		ug/L		83	65 - 120
Pyrene	20.0	19.0		ug/L		95	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*94*		*28 - 127*
2-Fluorobiphenyl (Surr)	*86*		*31 - 120*
2-Fluorophenol (Surr)	*58*		*17 - 120*
Nitrobenzene-d5 (Surr)	*71*		*27 - 120*
Phenol-d6 (Surr)	*38*		*10 - 120*
p-Terphenyl-d14 (Surr)	*95*		*45 - 120*

Lab Sample ID: 380-181052-A-1-A MS
Matrix: Water
Analysis Batch: 658616

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 652517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.3	14.0		ug/L		73	36 - 120
2-Methylnaphthalene	<0.19		19.3	14.0		ug/L		73	32 - 124
Acenaphthene	<0.19		19.3	16.1		ug/L		83	47 - 145
Acenaphthylene	<0.19		19.3	17.1		ug/L		88	33 - 145
Anthracene	<0.19		19.3	16.0		ug/L		83	27 - 133
Benzo[a]anthracene	<0.19		19.3	17.1		ug/L		88	33 - 143
Benzo[a]pyrene	<0.19		19.3	17.8		ug/L		92	17 - 163
Benzo[b]fluoranthene	<0.19		19.3	17.5		ug/L		91	24 - 159
Benzo[g,h,i]perylene	<0.19		19.3	17.3		ug/L		90	1 - 219
Benzo[k]fluoranthene	<0.19		19.3	16.7		ug/L		86	11 - 162
Chrysene	<0.19		19.3	16.4		ug/L		85	17 - 168
Dibenz(a,h)anthracene	<0.19		19.3	18.5		ug/L		96	1 - 227
Fluoranthene	<0.19		19.3	16.0		ug/L		83	26 - 137
Fluorene	<0.19		19.3	16.3		ug/L		84	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.3	18.9		ug/L		98	1 - 171
Naphthalene	<0.19		19.3	13.2		ug/L		68	21 - 133

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

Lab Sample ID: 380-181052-A-1-A MS
Matrix: Water
Analysis Batch: 658616

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 652517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	<0.19		19.3	15.9		ug/L		82	54 - 120
Pyrene	<0.19		19.3	18.3		ug/L		95	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*28 - 127*
2-Fluorobiphenyl (Surr)	*86*		*31 - 120*
2-Fluorophenol (Surr)	*65*		*17 120*
Nitrobenzene-d5 (Surr)	*72*		*27 - 120*
Phenol-d6 (Surr)	*43*		*10 - 120*
p-Terphenyl-d14 (Surr)	*94*		*45 - 120*

Lab Sample ID: 380-181052-A-1-B MSD
Matrix: Water
Analysis Batch: 658616

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 652517

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.1	14.0		ug/L		73	36 - 120	0	30
2-Methylnaphthalene	<0.19		19.1	14.0		ug/L		73	32 - 124	0	30
Acenaphthene	<0.19		19.1	15.7		ug/L		82	47 - 145	2	48
Acenaphthylene	<0.19		19.1	16.6		ug/L		87	33 - 145	3	74
Anthracene	<0.19		19.1	15.5		ug/L		81	27 - 133	3	66
Benzo[a]anthracene	<0.19		19.1	17.4		ug/L		91	33 - 143	2	53
Benzo[a]pyrene	<0.19		19.1	17.9		ug/L		94	17 - 163	1	72
Benzo[b]fluoranthene	<0.19		19.1	17.9		ug/L		94	24 - 159	2	71
Benzo[g,h,i]perylene	<0.19		19.1	17.9		ug/L		94	1 - 219	3	97
Benzo[k]fluoranthene	<0.19		19.1	17.1		ug/L		90	11 - 162	2	63
Chrysene	<0.19		19.1	16.7		ug/L		87	17 - 168	2	87
Dibenz(a,h)anthracene	<0.19		19.1	19.2		ug/L		101	1 - 227	4	126
Fluoranthene	<0.19		19.1	16.3		ug/L		85	26 - 137	1	66
Fluorene	<0.19		19.1	15.9		ug/L		83	59 - 121	3	38
Indeno[1,2,3-cd]pyrene	<0.19		19.1	19.6		ug/L		102	1 - 171	3	99
Naphthalene	<0.19		19.1	13.4		ug/L		70	21 - 133	1	65
Phenanthrene	<0.19		19.1	15.8		ug/L		83	54 - 120	1	39
Pyrene	<0.19		19.1	18.3		ug/L		96	52 - 120	0	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*28 - 127*
2-Fluorobiphenyl (Surr)	*82*		*31 - 120*
2-Fluorophenol (Surr)	*64*		*17 - 120*
Nitrobenzene-d5 (Surr)	*72*		*27 - 120*
Phenol-d6 (Surr)	*42*		*10 - 120*
p-Terphenyl-d14 (Surr)	*94*		*45 - 120*

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

Lab Sample ID: MB 570-653207/6
Matrix: Water
Analysis Batch: 653207

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			11/08/25 14:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*38 - 134*		*11/08/25 14:30*	*1*

Lab Sample ID: LCS 570-653207/4
Matrix: Water
Analysis Batch: 653207

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	388		ug/L		97	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*

Lab Sample ID: LCSD 570-653207/5
Matrix: Water
Analysis Batch: 653207

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	392		ug/L		98	78 - 120	1	10

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

Lab Sample ID: MRL 570-653207/3
Matrix: Water
Analysis Batch: 653207

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	12.8		ug/L		128	50 - 150		

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

Lab Sample ID: 380-181052-C-1 MS
Matrix: Water
Analysis Batch: 653207

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	394		ug/L		99	68 - 122		

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

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

Lab Sample ID: 380-181052-C-1 MSD
Matrix: Water
Analysis Batch: 653207

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	376		ug/L		94	68 - 122	5	18

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

Lab Sample ID: MB 570-656984/6
Matrix: Water
Analysis Batch: 656984

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			11/16/25 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*		*11/16/25 12:43*	*1*

Lab Sample ID: LCS 570-656984/4
Matrix: Water
Analysis Batch: 656984

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

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*38 - 134*

Lab Sample ID: LCSD 570-656984/5
Matrix: Water
Analysis Batch: 656984

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	419		ug/L		105	78 - 120	4	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*

Lab Sample ID: MRL 570-656984/3
Matrix: Water
Analysis Batch: 656984

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	12.1		ug/L		121	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*38 - 134*

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

Lab Sample ID: 570-254887-D-5 MS
Matrix: Water
Analysis Batch: 656984

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)	390		2000	2240		ug/L		93	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*38 - 134*

Lab Sample ID: 570-254887-D-5 MSD
Matrix: Water
Analysis Batch: 656984

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)	390		2000	2480		ug/L		105	68 - 122	10	18

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

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

Lab Sample ID: MB 570-653516/1-A
Matrix: Water
Analysis Batch: 657598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653516

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		11/09/25 11:05	11/17/25 21:17	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		11/09/25 11:05	11/17/25 21:17	1
C8-C18	<25		25		ug/L		11/09/25 11:05	11/17/25 21:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*60 - 130*	*11/09/25 11:05*	*11/17/25 21:17*	*1*

Lab Sample ID: LCS 570-653516/2-A
Matrix: Water
Analysis Batch: 657598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653516

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1540		ug/L		96	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*115*		*60 - 130*

Lab Sample ID: LCSD 570-653516/3-A
Matrix: Water
Analysis Batch: 657598

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 653516

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1390		ug/L		87	56 - 127	11	23

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

Lab Sample ID: LCSD 570-653516/3-A
Matrix: Water
Analysis Batch: 657598

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 653516

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

Lab Sample ID: MRL 570-653516/4-A
Matrix: Water
Analysis Batch: 657598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653516

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	<0.020		mg/L		95	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	88		60 - 130

Lab Sample ID: 380-181052-B-1-A MS
Matrix: Water
Analysis Batch: 657598

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 653516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1660	1880		ug/L		113	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	132	S1+	60 - 130

Lab Sample ID: 380-181052-B-1-B MSD
Matrix: Water
Analysis Batch: 657598

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 653516

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1640	1850		ug/L		113	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	134	S1+	60 - 130

GC/MS Semi VOA

Prep Batch: 184888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-181056-1	Ka'amilo Wells Pump 1	Total/NA	Water	525.2	
380-181056-3	Ka'amilo Wells Pump 2	Total/NA	Water	525.2	
MB 380-184888/20-A	Method Blank	Total/NA	Water	525.2	
LCS 380-184888/22-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-184888/21-A	Lab Control Sample	Total/NA	Water	525.2	
380-181047-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-181052-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 185110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-181056-1	Ka'amilo Wells Pump 1	Total/NA	Water	525.2	184888
380-181056-3	Ka'amilo Wells Pump 2	Total/NA	Water	525.2	184888
MB 380-184888/20-A	Method Blank	Total/NA	Water	525.2	184888
LCS 380-184888/22-A	Lab Control Sample	Total/NA	Water	525.2	184888
MRL 380-184888/21-A	Lab Control Sample	Total/NA	Water	525.2	184888
380-181047-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	184888
380-181052-I-1-A DU	Duplicate	Total/NA	Water	525.2	184888

Prep Batch: 652517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-181056-1	Ka'amilo Wells Pump 1	Total/NA	Water	625.1	
380-181056-3	Ka'amilo Wells Pump 2	Total/NA	Water	625.1	
MB 570-652517/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-652517/2-A	Lab Control Sample	Total/NA	Water	625.1	
380-181052-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-181052-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 658616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-652517/1-A	Method Blank	Total/NA	Water	625.1 SIM	652517
LCS 570-652517/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	652517
380-181052-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	652517
380-181052-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	652517

Analysis Batch: 659005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-181056-1	Ka'amilo Wells Pump 1	Total/NA	Water	625.1 SIM	652517
380-181056-3	Ka'amilo Wells Pump 2	Total/NA	Water	625.1 SIM	652517

Analysis Batch: 659204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-181056-1	Ka'amilo Wells Pump 1	Total/NA	Water	625.1	652517
380-181056-3	Ka'amilo Wells Pump 2	Total/NA	Water	625.1	652517
MB 570-652517/1-A	Method Blank	Total/NA	Water	625.1	652517

GC VOA

Analysis Batch: 653207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-181056-1	Ka'amilo Wells Pump 1	Total/NA	Water	8015B GRO LL	
380-181056-2	TB: Ka'amilo Wells Pump 1	Total/NA	Water	8015B GRO LL	

GC VOA (Continued)

Analysis Batch: 653207 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-653207/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-653207/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-653207/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-653207/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-181052-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-181052-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

Analysis Batch: 656984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-181056-3	Ka'amilo Wells Pump 2	Total/NA	Water	8015B GRO LL	
380-181056-4	TB: Ka'amilo Wells Pump 2	Total/NA	Water	8015B GRO LL	
MB 570-656984/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-656984/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-656984/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-656984/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
570-254887-D-5 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
570-254887-D-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 653516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-181056-1	Ka'amilo Wells Pump 1	Total/NA	Water	3510C	
380-181056-3	Ka'amilo Wells Pump 2	Total/NA	Water	3510C	
MB 570-653516/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-653516/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-653516/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-653516/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-181052-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-181052-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 657598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-181056-1	Ka'amilo Wells Pump 1	Total/NA	Water	8015B	653516
380-181056-3	Ka'amilo Wells Pump 2	Total/NA	Water	8015B	653516
MB 570-653516/1-A	Method Blank	Total/NA	Water	8015B	653516
LCS 570-653516/2-A	Lab Control Sample	Total/NA	Water	8015B	653516
LCSD 570-653516/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	653516
MRL 570-653516/4-A	Lab Control Sample	Total/NA	Water	8015B	653516
380-181052-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	653516
380-181052-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	653516

Lab Chronicle

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

Job ID: 380-181056-1
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Client Sample ID: Ka'amilo Wells Pump 1
Date Collected: 11/03/25 12:06
Date Received: 11/05/25 09:55

Lab Sample ID: 380-181056-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			184888	IQ42	EA POM	11/06/25 14:15
Total/NA	Analysis	525.2		1	185110	Q8LA	EA POM	11/07/25 16:39
Total/NA	Prep	625.1			652517	S4EA	EET CAL 4	11/07/25 05:00
Total/NA	Analysis	625.1		1	659204	PQS1	EET CAL 4	11/20/25 13:28
Total/NA	Prep	625.1			652517	S4EA	EET CAL 4	11/07/25 05:00
Total/NA	Analysis	625.1 SIM		1	659005	PQS1	EET CAL 4	11/20/25 08:16
Total/NA	Analysis	8015B GRO LL		1	653207	YD9V	EET CAL 4	11/08/25 22:57
Total/NA	Prep	3510C			653516	TVD6	EET CAL 4	11/09/25 11:05
Total/NA	Analysis	8015B		1	657598	NR	EET CAL 4	11/18/25 00:46

Client Sample ID: TB: Ka'amilo Wells Pump 1
Date Collected: 11/03/25 12:06
Date Received: 11/05/25 09:55

Lab Sample ID: 380-181056-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	653207	YD9V	EET CAL 4	11/08/25 21:51

Client Sample ID: Ka'amilo Wells Pump 2
Date Collected: 11/03/25 12:49
Date Received: 11/05/25 09:55

Lab Sample ID: 380-181056-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			184888	IQ42	EA POM	11/06/25 14:15
Total/NA	Analysis	525.2		1	185110	Q8LA	EA POM	11/07/25 16:59
Total/NA	Prep	625.1			652517	S4EA	EET CAL 4	11/07/25 05:00
Total/NA	Analysis	625.1		1	659204	PQS1	EET CAL 4	11/20/25 13:52
Total/NA	Prep	625.1			652517	S4EA	EET CAL 4	11/07/25 05:00
Total/NA	Analysis	625.1 SIM		1	659005	PQS1	EET CAL 4	11/20/25 08:38
Total/NA	Analysis	8015B GRO LL		1	656984	YD9V	EET CAL 4	11/16/25 21:56
Total/NA	Prep	3510C			653516	TVD6	EET CAL 4	11/09/25 11:05
Total/NA	Analysis	8015B		1	657598	NR	EET CAL 4	11/18/25 01:07

Client Sample ID: TB: Ka'amilo Wells Pump 2
Date Collected: 11/03/25 12:49
Date Received: 11/05/25 09:55

Lab Sample ID: 380-181056-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	656984	YD9V	EET CAL 4	11/16/25 20:06

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

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

Job ID: 380-181056-1
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Laboratory: Eurofins Eaton Analytical Pomona

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	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	11-30-25

Accreditation/Certification Summary

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

Job ID: 380-181056-1
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Laboratory: Eurofins Calscience (Continued)

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

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

Method Summary

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

Job ID: 380-181056-1
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 380-181056-1
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-181056-1	Ka'amilo Wells Pump 1	Water	11/03/25 12:06	11/05/25 09:55	Hawaii
380-181056-2	TB: Ka'amilo Wells Pump 1	Water	11/03/25 12:06	11/05/25 09:55	Hawaii
380-181056-3	Ka'amilo Wells Pump 2	Water	11/03/25 12:49	11/05/25 09:55	Hawaii
380-181056-4	TB: Ka'amilo Wells Pump 2	Water	11/03/25 12:49	11/05/25 09:55	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: bailey	Lab PM: Arada, Rachelle	Carrier Tracking No(s):	COC No: 380-28005-2757 1
Client Contact: Mr 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		
Ka'amilo Wells Pump 1	3-Nov-2025	1206	G	Water			2	3	2	2				
Ka'amilo Wells Pump 1 (Matrix Spike)				Water										
Ka'amilo Wells Pump 1 (Matrix Spike Duplicate)				Water										
TB: Ka'amilo Wells Pump 1	3-Nov-2025	1206		Water				2						
Ka'amilo Wells Pump 2	3-Nov-2025	1249	G	Water			2	3	2	2				380-181056 COC
Ka'amilo Wells Pump 2 (Matrix Spike)				Water										
Ka'amilo Wells Pump 2 (Matrix Spike Duplicate)				Water										
TB: Ka'amilo Wells Pump 2	3-Nov-2025	1249		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 8847573280 33
[redacted]	Date/Time: 12 November 2025 1400	Company: HBWS	Received by: Mark Miranda
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: (6.3)A) 2.7+0.0=2.7 gel-frozen

ORIGIN ID HIKA (808) 748-5840
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S BERETANIA ST
CHEMICAL LABORATORY
HONOLULU, HI 96843
UNITED STATES US

SHIP DATE: 04NOV25
ACTWGT 58.00 LB
CAD: 258050552/INET4535

BILL RECIPIENT

TO **EUROFINS RECEIVING DEPARTMENT**
EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

POMONA CA 91768
(626) 386-1100 REF
INV:
PO: DEPT.

58HJ2/501C/59F2

FedEx Express

E

J254025092401uv

7 of 7
MPS# 0263 **8857 5732 8099**
Mstr# 8857 5732 8033

WED - 05 NOV 10:30A
PRIORITY OVERNIGHT

0201

91768

WM ONTA

CA-US ONT

(63(A) 24+00 24 96+ frozen

dNM Marcumato 11/5/25 955

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment.

ORIGIN ID HIKA (808) 748-5840
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S BERETANIA ST
CHEMICAL LABORATORY
HONOLULU, HI 96843
UNITED STATES US

SHIP DATE 04NOV25
ACTWGT 58 00 LB
CAD 258050552/INET4535

BILL RECIPIENT

TO EUROFINS RECEIVING DEPARTMENT
EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

POMONA CA 91768
(626) 386-1100 REF
INV
PO. DEPT.

58HJ2/5011C/59F2

FedEx Express

J254025932401uv

5 of 7

WED - 05 NOV 10:30A
PRIORITY OVERNIGHT

MPS# 0263 8857 5732 8077
Mstr# 8857 5732 8033

0201

91768
ONT

WM ONTA

CA-US

(631A) 1.4 1 0 0 14 96/- frozen
Mark Urrutia 11/5/25 955

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment.

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

Chain of Custody Record

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Loc: 380
181056

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-273033.1
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,		Accreditations Required (See note): State - Hawaii		Job #: 380-181056-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 11/18/2025			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 (Wewater, 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	625.1/625_Prep(MOD) Tentatively identified Compounds (Hold)	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
Ka'amilo Wells Pump 1 (380-181056-1)	11/3/25	12:06 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: Ka'amilo Wells Pump 1 (380-181056-2)	11/3/25	12:06 Hawaiian	G	Water				X			2	MRLs are needed.
Ka'amilo Wells Pump 2 (380-181056-3)	11/3/25	12:49 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: Ka'amilo Wells Pump 2 (380-181056-4)	11/3/25	12:49 Hawaiian	G	Water				X			2	MRLs are needed.

380-181056 Chain of Custody

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:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11/6/25 1130	EET	[signature]	11/6/25 11:30	EA
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: 1.6 | 1.7 FR-4

Ver: 10/10/2024

11/25/2025

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-181056-1
SDG Number: Weekly: Ka'amilo Wells Pump 1/Pump 2

Login Number: 181056
List Number: 1
Creator: Ngo, Theodore

List Source: Eurofins Eaton Analytical Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
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: 380-181056-1
SDG Number: Weekly: Ka'amilo Wells Pump 1/Pump 2

Login Number: 181056
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 11/06/25 07:30 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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	1.7
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	