eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/6/2025 11:29:11 AM

JOB DESCRIPTION

RED-HILL
Weekly

JOB NUMBER

380-126968-1

Eurofins Eaton Analytical Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

Eurofins Eaton Analytical Pomona

Job Notes

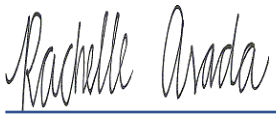
This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Compliance Statement

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

Authorization



Generated
1/6/2025 11:29:11 AM

Authorized for release by
Rachelle Arada, Project Manager
Rachelle.Arada@et.eurofinsus.com
(626)386-1106

Table of Contents

Definitions/Glossary

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

Job ID: 380-126968-1
SDG: Weekly

Qualifiers

GC/MS Semi VOA

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

GC/MS Semi VOA TICs

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

Glossary

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

Job Narrative
380-126968-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/18/2024 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 2 coolers at receipt time were 1.0°C and 3.3°C.

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

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

Diesel Range Organics
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: 380-126968-1
SDG: Weekly

Client Sample ID: Aiea Gulch Wells Pump 1 — Lab Sample ID: 380-126968-1

No Detections.

Client Sample ID: TB: Aiea Gulch Wells Pump 1 — Lab Sample ID: 380-126968-2

No Detections.

Client Sample ID: Aiea Gulch Wells Pump 2 — Lab Sample ID: 380-126968-3

No Detections.

Client Sample ID: TB: Aiea Gulch Wells Pump 2 — Lab Sample ID: 380-126968-4

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-126968-1
SDG: Weekly

Client Sample ID: Aiea Gulch Wells Pump 1
Date Collected: 12/16/24 10:12
Date Received: 12/18/24 09:55

Lab Sample ID: 380-126968-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
2,4'-DDD	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
2,4'-DDE	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
2,4'-DDT	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
2-Methylnaphthalene	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
4,4'-DDD	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
4,4'-DDE	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
4,4'-DDT	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Acenaphthene	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Acenaphthylene	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Acetochlor	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Alachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
alpha-BHC	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
alpha-Chlordane	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Anthracene	<0.020		0.020		ug/L		12/19/24 07:24	12/19/24 17:18	1
Atrazine	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Benz(a)anthracene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Benzo[a]pyrene	<0.020		0.020		ug/L		12/19/24 07:24	12/19/24 17:18	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		12/19/24 07:24	12/19/24 17:18	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		12/19/24 07:24	12/19/24 17:18	1
beta-BHC	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		12/19/24 07:24	12/19/24 17:18	1
Bromacil	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Butachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Butylbenzylphthalate	<0.49		0.49		ug/L		12/19/24 07:24	12/19/24 17:18	1
Chlorobenzilate	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Chloroneb	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Chlorpyrifos	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Chrysene	<0.020		0.020		ug/L		12/19/24 07:24	12/19/24 17:18	1
delta-BHC	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		12/19/24 07:24	12/19/24 17:18	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Dieldrin	<0.0099		0.0099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Diethylphthalate	<0.49		0.49		ug/L		12/19/24 07:24	12/19/24 17:18	1
Dimethylphthalate	<0.49		0.49		ug/L		12/19/24 07:24	12/19/24 17:18	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		12/19/24 07:24	12/19/24 17:18	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Endosulfan sulfate	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Endrin	<0.0099		0.0099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Endrin aldehyde	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
EPTC	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Fluoranthene	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1

Client Sample ID: Aiea Gulch Wells Pump 1
Date Collected: 12/16/24 10:12
Date Received: 12/18/24 09:55

Lab Sample ID: 380-126968-1
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		12/19/24 07:24	12/19/24 17:18	1
gamma-Chlordane	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Heptachlor	<0.0099		0.0099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Hexachlorobenzene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Isophorone	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Lindane	<0.0099		0.0099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Malathion	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Methoxychlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Metolachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Molinate	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Naphthalene	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Parathion	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Phenanthrene	<0.039		0.039		ug/L		12/19/24 07:24	12/19/24 17:18	1
Propachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Pyrene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Simazine	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Terbacil	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Terbuthylazine	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Thiobencarb	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		12/19/24 07:24	12/19/24 17:18	1
trans-Nonachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:18	1
Trifluralin	<0.099		0.099		ug/L		12/19/24 07:24	12/19/24 17:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*12/19/24 07:24*	*12/19/24 17:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*101*		*70 - 130*	*12/19/24 07:24*	*12/19/24 17:18*	*1*
Perylene-d12	*85*		*70 - 130*	*12/19/24 07:24*	*12/19/24 17:18*	*1*
Triphenylphosphate	*94*		*70 - 130*	*12/19/24 07:24*	*12/19/24 17:18*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
2-Methylnaphthalene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Acenaphthene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Acenaphthylene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Anthracene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Benzo[a]anthracene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Benzo[a]pyrene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Chrysene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Fluoranthene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1

Client Sample ID: Aiea Gulch Wells Pump 1

Lab Sample ID: 380-126968-1

Date Collected: 12/16/24 10:12
Matrix: Water
Date Received: 12/18/24 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		12/20/24 13:21	12/30/24 18:02	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Naphthalene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Phenanthrene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1
Pyrene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*28 - 127*	*12/20/24 13:21*	*12/30/24 18:02*	*1*
2-Fluorobiphenyl (Surr)	*72*		*31 - 120*	*12/20/24 13:21*	*12/30/24 18:02*	*1*
2-Fluorophenol (Surr)	*40*		*17 - 120*	*12/20/24 13:21*	*12/30/24 18:02*	*1*
Nitrobenzene-d5 (Surr)	*75*		*27 - 120*	*12/20/24 13:21*	*12/30/24 18:02*	*1*
Phenol-d6 (Surr)	*22*		*10 - 120*	*12/20/24 13:21*	*12/30/24 18:02*	*1*
p-Terphenyl-d14 (Surr)	*88*		*45 - 120*	*12/20/24 13:21*	*12/30/24 18:02*	*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*
Cyclotetrasiloxane, octamethyl-	*25*	*T J N*	*ug/L*		*2.73*	*556-67-2*	*12/20/24 13:21*	*01/03/25 19:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*33 - 139*	*12/20/24 13:21*	*01/03/25 19:56*	*1*
2-Fluorobiphenyl (Surr)	*74*		*33 - 126*	*12/20/24 13:21*	*01/03/25 19:56*	*1*
2-Fluorophenol (Surr)	*33*		*12 - 120*	*12/20/24 13:21*	*01/03/25 19:56*	*1*
Nitrobenzene-d5 (Surr)	*56*		*36 - 120*	*12/20/24 13:21*	*01/03/25 19:56*	*1*
Phenol-d6 (Surr)	*19*		*10 - 120*	*12/20/24 13:21*	*01/03/25 19:56*	*1*
p-Terphenyl-d14 (Surr)	*72*		*47 - 131*	*12/20/24 13:21*	*01/03/25 19:56*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			12/27/24 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*38 - 134*		*12/27/24 12:13*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26		ug/L		12/20/24 15:05	12/22/24 22:43	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		12/20/24 15:05	12/22/24 22:43	1
C8-C18	<26		26		ug/L		12/20/24 15:05	12/22/24 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*108*		*60 - 130*	*12/20/24 15:05*	*12/22/24 22:43*	*1*

Client Sample ID: TB: Aiea Gulch Wells Pump 1

Lab Sample ID: 380-126968-2

Date Collected: 12/16/24 10:12
Matrix: Water
Date Received: 12/18/24 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			12/30/24 16:54	1

Client Sample ID: TB: Aiea Gulch Wells Pump 1

Lab Sample ID: 380-126968-2

Date Collected: 12/16/24 10:12
Matrix: Water
Date Received: 12/18/24 09:55

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*95*		*38 - 134*		*12/30/24 16:54*	*1*

Client Sample ID: Aiea Gulch Wells Pump 2

Lab Sample ID: 380-126968-3

Date Collected: 12/16/24 10:26
Matrix: Water
Date Received: 12/18/24 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		12/19/24 07:24	12/19/24 17:38	1
2,4'-DDD	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
2,4'-DDE	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
2,4'-DDT	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
2-Methylnaphthalene	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
4,4'-DDD	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
4,4'-DDE	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
4,4'-DDT	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Acenaphthene	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Acenaphthylene	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Acetochlor	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Alachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
alpha-BHC	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
alpha-Chlordane	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Anthracene	<0.020		0.020		ug/L		12/19/24 07:24	12/19/24 17:38	1
Atrazine	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Benz(a)anthracene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Benzo[a]pyrene	<0.020		0.020		ug/L		12/19/24 07:24	12/19/24 17:38	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		12/19/24 07:24	12/19/24 17:38	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		12/19/24 07:24	12/19/24 17:38	1
beta-BHC	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		12/19/24 07:24	12/19/24 17:38	1
Bromacil	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Butachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Butylbenzylphthalate	<0.49		0.49		ug/L		12/19/24 07:24	12/19/24 17:38	1
Chlorobenzilate	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Chloroneb	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Chlorpyrifos	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Chrysene	<0.020		0.020		ug/L		12/19/24 07:24	12/19/24 17:38	1
delta-BHC	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		12/19/24 07:24	12/19/24 17:38	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Dieldrin	<0.0098		0.0098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Diethylphthalate	<0.49		0.49		ug/L		12/19/24 07:24	12/19/24 17:38	1
Dimethylphthalate	<0.49		0.49		ug/L		12/19/24 07:24	12/19/24 17:38	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		12/19/24 07:24	12/19/24 17:38	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1

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

Job ID: 380-126968-1
SDG: Weekly

Client Sample ID: Aiea Gulch Wells Pump 2
Date Collected: 12/16/24 10:26
Date Received: 12/18/24 09:55

Lab Sample ID: 380-126968-3
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		12/19/24 07:24	12/19/24 17:38	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Endosulfan sulfate	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Endrin	<0.0098		0.0098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Endrin aldehyde	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
EPTC	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Fluoranthene	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Fluorene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
gamma-Chlordane	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Heptachlor	<0.0098		0.0098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Hexachlorobenzene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Isophorone	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Lindane	<0.0098		0.0098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Malathion	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Methoxychlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Metolachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Molinate	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Naphthalene	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Parathion	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Phenanthrene	<0.039		0.039		ug/L		12/19/24 07:24	12/19/24 17:38	1
Propachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Pyrene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Simazine	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Terbacil	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Terbuthylazine	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Thiobencarb	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		12/19/24 07:24	12/19/24 17:38	1
trans-Nonachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 17:38	1
Trifluralin	<0.098		0.098		ug/L		12/19/24 07:24	12/19/24 17:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*12/19/24 07:24*	*12/19/24 17:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*101*		*70 - 130*	*12/19/24 07:24*	*12/19/24 17:38*	*1*
Perylene-d12	*95*		*70 - 130*	*12/19/24 07:24*	*12/19/24 17:38*	*1*
Triphenylphosphate	*96*		*70 - 130*	*12/19/24 07:24*	*12/19/24 17:38*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
2-Methylnaphthalene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Acenaphthene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Acenaphthylene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Anthracene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Benzo[a]anthracene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1

Client Sample ID: Aiea Gulch Wells Pump 2
Date Collected: 12/16/24 10:26
Date Received: 12/18/24 09:55

Lab Sample ID: 380-126968-3
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		12/20/24 13:21	12/30/24 18:24	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Chrysene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Fluoranthene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Fluorene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Naphthalene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Phenanthrene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1
Pyrene	<0.19		0.19		ug/L		12/20/24 13:21	12/30/24 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*28 - 127*	*12/20/24 13:21*	*12/30/24 18:24*	*1*
2-Fluorobiphenyl (Surr)	*55*		*31 - 120*	*12/20/24 13:21*	*12/30/24 18:24*	*1*
2-Fluorophenol (Surr)	*36*		*17 - 120*	*12/20/24 13:21*	*12/30/24 18:24*	*1*
Nitrobenzene-d5 (Surr)	*55*		*27 - 120*	*12/20/24 13:21*	*12/30/24 18:24*	*1*
Phenol-d6 (Surr)	*18*		*10 - 120*	*12/20/24 13:21*	*12/30/24 18:24*	*1*
p-Terphenyl-d14 (Surr)	*75*		*45 - 120*	*12/20/24 13:21*	*12/30/24 18:24*	*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*
Cyclopentasiloxane, decamethyl-	*9.2*	*T J N*	*ug/L*		*3.91*	*541-02-6*	*12/20/24 13:21*	*01/03/25 20:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*59*		*33 - 139*	*12/20/24 13:21*	*01/03/25 20:19*	*1*
2-Fluorobiphenyl (Surr)	*57*		*33 - 126*	*12/20/24 13:21*	*01/03/25 20:19*	*1*
2-Fluorophenol (Surr)	*26*		*12 - 120*	*12/20/24 13:21*	*01/03/25 20:19*	*1*
Nitrobenzene-d5 (Surr)	*50*		*36 - 120*	*12/20/24 13:21*	*01/03/25 20:19*	*1*
Phenol-d6 (Surr)	*15*		*10 - 120*	*12/20/24 13:21*	*01/03/25 20:19*	*1*
p-Terphenyl-d14 (Surr)	*59*		*47 - 131*	*12/20/24 13:21*	*01/03/25 20:19*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			12/27/24 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*		*38 - 134*		*12/27/24 12:39*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26		ug/L		12/20/24 15:05	12/22/24 23:04	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		12/20/24 15:05	12/22/24 23:04	1
C8-C18	<26		26		ug/L		12/20/24 15:05	12/22/24 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*117*		*60 - 130*	*12/20/24 15:05*	*12/22/24 23:04*	*1*

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

Job ID: 380-126968-1
SDG: Weekly

Client Sample ID: TB: Aiea Gulch Wells Pump 2
Date Collected: 12/16/24 10:26
Date Received: 12/18/24 09:55

Lab Sample ID: 380-126968-4
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			12/27/24 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*		*38 - 134*		*12/27/24 16:35*	*1*

Action Limit Summary

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

Job ID: 380-126968-1
SDG: Weekly

Client Sample ID: Aiea Gulch Wells Pump 1 — Lab Sample ID: 380-126968-1

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	<0.0099		ug/L	2	0.0099	525.2	Total/NA
Heptachlor	<0.0099		ug/L	0.4	0.0099	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0099		ug/L	0.2	0.0099	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	<0.0099		ug/L	0.2	0.0099	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: Aiea Gulch Wells Pump 2 — Lab Sample ID: 380-126968-3

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)	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-126968-1
SDG: Weekly

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)						
380-126968-1	Aiea Gulch Wells Pump 1	101	85	94						
380-126968-3	Aiea Gulch Wells Pump 2	101	95	96						
380-126986-I-1-A MS	Matrix Spike	100	96	102						
380-126986-J-1-A DU	Duplicate	101	97	99						
LCS 380-124463/23-A	Lab Control Sample	101	90	102						
LCSD 380-124463/24-A	Lab Control Sample Dup	101	91	103						
MB 380-124463/21-A	Method Blank	101	89	100						
MRL 380-124463/22-A	Lab Control Sample	99	84	98						

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)		
380-126968-1	Aiea Gulch Wells Pump 1	73	74	33	56	19	72		
380-126968-3	Aiea Gulch Wells Pump 2	59	57	26	50	15	59		
MB 570-516463/1-A	Method Blank	69	73	30	61	17	77		

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)		
380-126968-1	Aiea Gulch Wells Pump 1	77	72	40	75	22	88		
380-126968-3	Aiea Gulch Wells Pump 2	58	55	36	55	18	75		
570-212025-B-1-A MS	Matrix Spike	72	69	41	70	26	64		
570-212025-B-1-B MSD	Matrix Spike Duplicate	69	56	31	50	21	62		
LCS 570-516463/2-A	Lab Control Sample	86	77	49	70	29	84		
LCSD 570-516463/3-A	Lab Control Sample Dup	79	73	45	65	27	81		
MB 570-516463/1-A	Method Blank	69	66	38	67	18	85		

Surrogate Legend

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

Surrogate Summary

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

Job ID: 380-126968-1
SDG: Weekly

TPHd14 = p-Terphenyl-d14 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB1								
Lab Sample ID	Client Sample ID	(38-134)								
380-126968-1	Aiea Gulch Wells Pump 1	71								
380-126968-2	TB: Aiea Gulch Wells Pump 1	95								
380-126968-3	Aiea Gulch Wells Pump 2	64								
380-126968-4	TB: Aiea Gulch Wells Pump 2	61								
380-126982-C-1 MS	Matrix Spike	78								
380-126982-C-1 MSD	Matrix Spike Duplicate	75								
380-126986-C-1 MS	Matrix Spike	73								
380-126986-C-1 MSD	Matrix Spike Duplicate	74								
380-127091-AC-1 MS	Matrix Spike	103								
380-127091-AE-1 MSD	Matrix Spike Duplicate	103								
LCS 570-518135/4	Lab Control Sample	76								
LCS 570-518803/1009	Lab Control Sample	98								
LCSD 570-518135/5	Lab Control Sample Dup	77								
LCSD 570-518803/10	Lab Control Sample Dup	97								
MB 570-518135/6	Method Blank	61								
MB 570-518803/11	Method Blank	93								
MRL 570-518135/3	Lab Control Sample	69								
MRL 570-518803/1004	Lab Control Sample	94								

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)								
		OTCSN1								
Lab Sample ID	Client Sample ID	(60-130)								
380-126968-1	Aiea Gulch Wells Pump 1	108								
380-126968-3	Aiea Gulch Wells Pump 2	117								
380-126982-B-1-A MS	Matrix Spike	108								
380-126982-B-1-B MSD	Matrix Spike Duplicate	109								
LCS 570-516519/2-A	Lab Control Sample	108								
LCSD 570-516519/3-A	Lab Control Sample Dup	114								
MB 570-516519/1-A	Method Blank	109								
MRL 570-516519/4-A	Lab Control Sample	107								

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-124463/21-A
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124463

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
2,4'-DDD	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
2,4'-DDE	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
2,4'-DDT	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
2,4-Dinitrotoluene	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
2,6-Dinitrotoluene	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
2-Methylnaphthalene	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
4,4'-DDD	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
4,4'-DDE	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
4,4'-DDT	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Acenaphthene	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Acenaphthylene	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Acetochlor	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Alachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
alpha-BHC	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
alpha-Chlordane	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Anthracene	<0.019		0.019		ug/L		12/19/24 07:24	12/19/24 16:36	1
Atrazine	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Benz(a)anthracene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Benzo[a]pyrene	<0.019		0.019		ug/L		12/19/24 07:24	12/19/24 16:36	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		12/19/24 07:24	12/19/24 16:36	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		12/19/24 07:24	12/19/24 16:36	1
beta-BHC	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		12/19/24 07:24	12/19/24 16:36	1
Bromacil	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Butachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Butylbenzylphthalate	<0.49		0.49		ug/L		12/19/24 07:24	12/19/24 16:36	1
Chlorobenzilate	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Chloroneb	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Chlorpyrifos	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Chrysene	<0.019		0.019		ug/L		12/19/24 07:24	12/19/24 16:36	1
delta-BHC	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		12/19/24 07:24	12/19/24 16:36	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Dieldrin	<0.0097		0.0097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Diethylphthalate	<0.49		0.49		ug/L		12/19/24 07:24	12/19/24 16:36	1
Dimethylphthalate	<0.49		0.49		ug/L		12/19/24 07:24	12/19/24 16:36	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		12/19/24 07:24	12/19/24 16:36	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Endosulfan sulfate	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Endrin	<0.0097		0.0097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Endrin aldehyde	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
EPTC	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1

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

Lab Sample ID: MB 380-124463/21-A
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124463

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Fluorene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
gamma-Chlordane	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Heptachlor	<0.0097		0.0097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Hexachlorobenzene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Isophorone	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Lindane	<0.0097		0.0097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Malathion	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Methoxychlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Metolachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Molinate	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Naphthalene	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Parathion	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Phenanthrene	<0.039		0.039		ug/L		12/19/24 07:24	12/19/24 16:36	1
Propachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Pyrene	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Simazine	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Terbacil	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Terbuthylazine	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Thiobencarb	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		12/19/24 07:24	12/19/24 16:36	1
trans-Nonachlor	<0.049		0.049		ug/L		12/19/24 07:24	12/19/24 16:36	1
Trifluralin	<0.097		0.097		ug/L		12/19/24 07:24	12/19/24 16:36	1

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*	*12/19/24 07:24*	*12/19/24 16:36*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*101*		*70 - 130*	*12/19/24 07:24*	*12/19/24 16:36*	*1*
Perylene-d12	*89*		*70 - 130*	*12/19/24 07:24*	*12/19/24 16:36*	*1*
Triphenylphosphate	*100*		*70 - 130*	*12/19/24 07:24*	*12/19/24 16:36*	*1*

Lab Sample ID: LCS 380-124463/23-A
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124463

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			1.95	1.83		ug/L		94	70 - 130		
2,4'-DDD			1.95	1.99		ug/L		102	70 - 130		
2,4'-DDE			1.95	1.95		ug/L		100	70 - 130		
2,4'-DDT			1.95	1.82		ug/L		93	70 - 130		
2,4-Dinitrotoluene			1.95	1.57		ug/L		80	70 - 130		
2,6-Dinitrotoluene			1.95	1.72		ug/L		88	70 - 130		
2-Methylnaphthalene			1.95	1.83		ug/L		94	70 - 130		

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

Lab Sample ID: LCS 380-124463/23-A
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	1.95	2.01		ug/L		103	70 - 130
4,4'-DDE	1.95	1.94		ug/L		100	70 - 130
4,4'-DDT	1.95	1.79		ug/L		92	70 - 130
Acenaphthene	1.95	1.80		ug/L		92	70 - 130
Acenaphthylene	1.95	1.85		ug/L		95	70 - 130
Acetochlor	1.95	2.10		ug/L		108	70 - 130
Alachlor	1.95	2.12		ug/L		109	70 - 130
alpha-BHC	1.95	1.89		ug/L		97	70 - 130
alpha-Chlordane	1.95	1.89		ug/L		97	70 - 130
Anthracene	1.95	1.64		ug/L		84	70 - 130
Atrazine	1.95	1.92		ug/L		99	70 - 130
Benz(a)anthracene	1.95	1.81		ug/L		93	70 - 130
Benzo[a]pyrene	1.95	1.65		ug/L		84	70 - 130
Benzo[b]fluoranthene	1.95	1.80		ug/L		93	70 - 130
Benzo[g,h,i]perylene	1.95	1.92		ug/L		98	70 - 130
Benzo[k]fluoranthene	1.95	1.95		ug/L		100	70 - 130
beta-BHC	1.95	1.99		ug/L		102	70 - 130
Bis(2-ethylhexyl) phthalate	1.95	1.94		ug/L		100	70 - 130
Bromacil	1.95	1.90		ug/L		98	70 - 130
Butachlor	1.95	1.97		ug/L		101	70 - 130
Butylbenzylphthalate	1.95	1.97		ug/L		101	70 - 130
Chlorobenzilate	1.95	1.68		ug/L		86	70 - 130
Chloroneb	1.95	2.04		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	1.95	2.02		ug/L		104	70 - 130
Chlorpyrifos	1.95	2.03		ug/L		104	70 - 130
Chrysene	1.95	1.91		ug/L		98	70 - 130
delta-BHC	1.95	1.90		ug/L		98	70 - 130
Di(2-ethylhexyl)adipate	1.95	1.84		ug/L		94	70 - 130
Dibenz(a,h)anthracene	1.95	1.87		ug/L		96	70 - 130
Diclorvos (DDVP)	1.95	1.87		ug/L		96	70 - 130
Dieldrin	1.95	1.88		ug/L		97	70 - 130
Diethylphthalate	1.95	1.93		ug/L		99	70 - 130
Dimethylphthalate	1.95	1.89		ug/L		97	70 - 130
Di-n-butyl phthalate	3.90	3.89		ug/L		100	70 - 130
Di-n-octyl phthalate	1.95	1.87		ug/L		96	70 - 130
Endosulfan I (Alpha)	1.95	1.93		ug/L		99	70 - 130
Endosulfan II (Beta)	1.95	1.99		ug/L		102	70 - 130
Endosulfan sulfate	1.95	1.86		ug/L		95	70 - 130
Endrin	1.95	2.13		ug/L		109	70 - 130
Endrin aldehyde	1.95	1.71		ug/L		88	60 - 130
EPTC	1.95	1.96		ug/L		101	70 - 130
Fluoranthene	1.95	2.00		ug/L		103	70 - 130
Fluorene	1.95	1.88		ug/L		96	70 - 130
gamma-Chlordane	1.95	1.92		ug/L		99	70 - 130
Heptachlor	1.95	2.02		ug/L		103	70 - 130
Heptachlor epoxide (isomer B)	1.95	1.92		ug/L		99	70 - 130
Hexachlorobenzene	1.95	1.77		ug/L		91	70 - 130
Hexachlorocyclopentadiene	1.95	1.74		ug/L		89	70 - 130
Indeno[1,2,3-cd]pyrene	1.95	1.71		ug/L		88	70 - 130

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

Lab Sample ID: LCS 380-124463/23-A
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124463

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Isophorone			1.95	1.88		ug/L		96	70 - 130		
Lindane			1.95	1.89		ug/L		97	70 - 130		
Malathion			1.95	1.95		ug/L		100	70 - 130		
Methoxychlor			1.95	1.78		ug/L		91	70 - 130		
Metolachlor			1.95	1.99		ug/L		102	70 - 130		
Molinate			1.95	1.96		ug/L		101	70 - 130		
Naphthalene			1.95	1.90		ug/L		97	70 - 130		
Parathion			1.95	1.87		ug/L		96	70 - 130		
Pendimethalin (Penoxaline)			1.95	1.65		ug/L		84	70 - 130		
Phenanthrene			1.95	1.81		ug/L		93	70 - 130		
Propachlor			1.95	2.07		ug/L		106	70 - 130		
Pyrene			1.95	1.98		ug/L		102	70 - 130		
Simazine			1.95	2.06		ug/L		106	70 - 130		
Terbacil			1.95	2.02		ug/L		104	70 - 130		
Terbuthylazine			1.95	2.12		ug/L		109	70 - 130		
Thiobencarb			1.95	2.08		ug/L		107	70 - 130		
trans-Nonachlor			1.95	1.87		ug/L		96	70 - 130		
Trifluralin			1.95	1.66		ug/L		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*101*		*70 - 130*
Perylene-d12	*90*		*70 - 130*
Triphenylphosphate	*102*		*70 - 130*

Lab Sample ID: LCSD 380-124463/24-A
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124463

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			1.95	1.87		ug/L		96	70 - 130	2	20
2,4'-DDD			1.95	2.05		ug/L		105	70 - 130	3	20
2,4'-DDE			1.95	2.02		ug/L		104	70 - 130	4	20
2,4'-DDT			1.95	1.90		ug/L		97	70 - 130	4	20
2,4-Dinitrotoluene			1.95	1.69		ug/L		87	70 - 130	7	20
2,6-Dinitrotoluene			1.95	1.84		ug/L		95	70 - 130	7	20
2-Methylnaphthalene			1.95	1.88		ug/L		96	70 - 130	3	20
4,4'-DDD			1.95	2.09		ug/L		108	70 - 130	4	20
4,4'-DDE			1.95	1.99		ug/L		102	70 - 130	2	20
4,4'-DDT			1.95	1.88		ug/L		97	70 - 130	5	20
Acenaphthene			1.95	1.85		ug/L		95	70 - 130	3	20
Acenaphthylene			1.95	1.90		ug/L		98	70 - 130	3	20
Acetochlor			1.95	2.19		ug/L		112	70 - 130	4	20
Alachlor			1.95	2.20		ug/L		113	70 - 130	4	20
alpha-BHC			1.95	1.95		ug/L		100	70 - 130	3	20
alpha-Chlordane			1.95	1.98		ug/L		102	70 - 130	5	20
Anthracene			1.95	1.70		ug/L		87	70 - 130	3	20
Atrazine			1.95	1.98		ug/L		102	70 - 130	3	20
Benz(a)anthracene			1.95	1.89		ug/L		97	70 - 130	4	20

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

Lab Sample ID: LCSD 380-124463/24-A
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124463

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene	1.95	1.73		ug/L		89	70 - 130	5	20
Benzo[b]fluoranthene	1.95	1.88		ug/L		97	70 - 130	4	20
Benzo[g,h,i]perylene	1.95	1.95		ug/L		100	70 - 130	2	20
Benzo[k]fluoranthene	1.95	2.00		ug/L		103	70 - 130	3	20
beta-BHC	1.95	2.04		ug/L		105	70 - 130	2	20
Bis(2-ethylhexyl) phthalate	1.95	1.96		ug/L		101	70 - 130	1	20
Bromacil	1.95	1.97		ug/L		101	70 - 130	4	20
Butachlor	1.95	2.05		ug/L		105	70 - 130	4	20
Butylbenzylphthalate	1.95	2.05		ug/L		105	70 - 130	4	20
Chlorobenzilate	1.95	1.76		ug/L		90	70 - 130	5	20
Chloroneb	1.95	2.19		ug/L		113	70 - 130	7	20
Chlorothalonil (Draconil, Bravo)	1.95	2.10		ug/L		108	70 - 130	4	20
Chlorpyrifos	1.95	2.09		ug/L		107	70 - 130	3	20
Chrysene	1.95	1.99		ug/L		102	70 - 130	4	20
delta-BHC	1.95	1.97		ug/L		101	70 - 130	3	20
Di(2-ethylhexyl)adipate	1.95	1.91		ug/L		98	70 - 130	4	20
Dibenz(a,h)anthracene	1.95	1.95		ug/L		100	70 - 130	4	20
Diclorvos (DDVP)	1.95	1.91		ug/L		98	70 - 130	2	20
Dieldrin	1.95	1.95		ug/L		100	70 - 130	4	20
Diethylphthalate	1.95	1.99		ug/L		102	70 - 130	3	20
Dimethylphthalate	1.95	1.96		ug/L		101	70 - 130	4	20
Di-n-butyl phthalate	3.89	4.07		ug/L		105	70 - 130	5	20
Di-n-octyl phthalate	1.95	1.87		ug/L		96	70 - 130	0	20
Endosulfan I (Alpha)	1.95	1.97		ug/L		101	70 - 130	2	20
Endosulfan II (Beta)	1.95	2.02		ug/L		104	70 - 130	2	20
Endosulfan sulfate	1.95	1.90		ug/L		97	70 - 130	2	20
Endrin	1.95	2.20		ug/L		113	70 - 130	3	20
Endrin aldehyde	1.95	1.77		ug/L		91	60 - 130	3	20
EPTC	1.95	2.03		ug/L		104	70 - 130	3	20
Fluoranthene	1.95	2.07		ug/L		106	70 - 130	4	20
Fluorene	1.95	1.91		ug/L		98	70 - 130	2	20
gamma-Chlordane	1.95	2.02		ug/L		104	70 - 130	5	20
Heptachlor	1.95	2.11		ug/L		108	70 - 130	4	20
Heptachlor epoxide (isomer B)	1.95	1.98		ug/L		102	70 - 130	3	20
Hexachlorobenzene	1.95	1.81		ug/L		93	70 - 130	3	20
Hexachlorocyclopentadiene	1.95	1.81		ug/L		93	70 - 130	4	20
Indeno[1,2,3-cd]pyrene	1.95	1.79		ug/L		92	70 - 130	4	20
Isophorone	1.95	1.93		ug/L		99	70 - 130	3	20
Lindane	1.95	1.94		ug/L		100	70 - 130	2	20
Malathion	1.95	2.01		ug/L		103	70 - 130	3	20
Methoxychlor	1.95	1.87		ug/L		96	70 - 130	5	20
Metolachlor	1.95	2.07		ug/L		106	70 - 130	4	20
Molinate	1.95	2.03		ug/L		104	70 - 130	3	20
Naphthalene	1.95	1.95		ug/L		100	70 - 130	3	20
Parathion	1.95	1.97		ug/L		101	70 - 130	5	20
Pendimethalin (Penoxaline)	1.95	1.76		ug/L		90	70 - 130	7	20
Phenanthrene	1.95	1.86		ug/L		96	70 - 130	3	20
Propachlor	1.95	2.12		ug/L		109	70 - 130	3	20
Pyrene	1.95	2.06		ug/L		106	70 - 130	4	20

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

Lab Sample ID: LCSD 380-124463/24-A
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124463

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Simazine			1.95	2.16		ug/L		111	70 - 130	5	20
Terbacil			1.95	2.06		ug/L		106	70 - 130	2	20
Terbuthylazine			1.95	2.17		ug/L		111	70 - 130	2	20
Thiobencarb			1.95	2.15		ug/L		110	70 - 130	3	20
trans-Nonachlor			1.95	1.94		ug/L		100	70 - 130	4	20
Trifluralin			1.95	1.75		ug/L		90	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Nitro-m-xylene	*101*		*70 - 130*
Perylene-d12	*91*		*70 - 130*
Triphenylphosphate	*103*		*70 - 130*

Lab Sample ID: MRL 380-124463/22-A
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124463

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			0.0969	0.103		ug/L		106	50 - 150		
2,4'-DDD			0.0969	0.0840	J	ug/L		87	50 - 150		
2,4'-DDE			0.0969	0.0928	J	ug/L		96	50 - 150		
2,4'-DDT			0.0969	0.0949	J	ug/L		98	50 - 150		
2,4-Dinitrotoluene			0.0969	0.0819	J	ug/L		84	50 - 150		
2,6-Dinitrotoluene			0.0969	0.0862	J	ug/L		89	50 - 150		
2-Methylnaphthalene			0.0969	0.0974		ug/L		100	50 - 150		
4,4'-DDD			0.0969	0.0948	J	ug/L		98	50 - 150		
4,4'-DDE			0.0969	0.0906	J	ug/L		93	50 - 150		
4,4'-DDT			0.0969	0.0958	J	ug/L		99	50 - 150		
Acenaphthene			0.0969	0.0873	J	ug/L		90	50 - 150		
Acenaphthylene			0.0969	0.0850	J	ug/L		88	50 - 150		
Acetochlor			0.0969	0.105		ug/L		108	50 - 150		
Alachlor			0.0485	0.0477	J	ug/L		99	50 - 150		
alpha-BHC			0.0969	0.103		ug/L		106	50 - 150		
alpha-Chlordane			0.0242	<0.028		ug/L		91	50 - 150		
Anthracene			0.0194	0.0192		ug/L		99	50 - 150		
Atrazine			0.0485	0.0530		ug/L		109	50 - 150		
Benz(a)anthracene			0.0485	0.0465	J	ug/L		96	50 - 150		
Benzo[a]pyrene			0.0194	0.0147	J	ug/L		76	50 - 150		
Benzo[b]fluoranthene			0.0194	0.0147	J	ug/L		76	50 - 150		
Benzo[g,h,i]perylene			0.0485	0.0362	J	ug/L		75	50 - 150		
Benzo[k]fluoranthene			0.0194	0.0160	J	ug/L		82	50 - 150		
beta-BHC			0.0969	0.107		ug/L		111	50 - 150		
Bis(2-ethylhexyl) phthalate			0.582	0.489	J	ug/L		84	50 - 150		
Bromacil			0.0969	0.0951	J	ug/L		98	50 - 150		
Butachlor			0.0485	0.0578		ug/L		119	50 - 150		
Butylbenzylphthalate			0.485	0.469	J	ug/L		97	50 - 150		
Chlorobenzilate			0.0969	0.0906	J	ug/L		93	50 - 150		
Chloroneb			0.0969	0.0659	J	ug/L		68	50 - 150		
Chlorothalonil (Draconil, Bravo)			0.0969	0.0863	J	ug/L		89	50 - 150		

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

Lab Sample ID: MRL 380-124463/22-A
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124463

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chlorpyrifos	0.0485	0.0470	J	ug/L		97	50 - 150
Chrysene	0.0194	0.0213		ug/L		110	50 - 150
delta-BHC	0.0969	0.106		ug/L		109	50 - 150
Di(2-ethylhexyl)adipate	0.582	0.522	J	ug/L		90	50 - 150
Dibenz(a,h)anthracene	0.0485	<0.032		ug/L		66	50 - 150
Diclorvos (DDVP)	0.0485	0.0516		ug/L		106	50 - 150
Dieldrin	0.00969	0.0109		ug/L		112	50 - 150
Diethylphthalate	0.485	0.472	J	ug/L		97	50 - 150
Dimethylphthalate	0.485	0.464	J	ug/L		96	50 - 150
Di-n-butyl phthalate	0.485	0.459	J	ug/L		95	49 - 243
Di-n-octyl phthalate	0.0969	0.0596	J	ug/L		61	50 - 150
Endosulfan I (Alpha)	0.0969	0.0718	J	ug/L		74	50 - 150
Endosulfan II (Beta)	0.0969	0.106		ug/L		109	50 - 150
Endosulfan sulfate	0.0969	0.0877	J	ug/L		90	50 - 150
Endrin	0.00969	0.0105		ug/L		108	50 - 150
Endrin aldehyde	0.0969	0.0879	J	ug/L		91	50 - 150
EPTC	0.0969	0.0911	J	ug/L		94	50 - 150
Fluoranthene	0.0969	0.0907	J	ug/L		94	50 - 150
Fluorene	0.0485	<0.048		ug/L		94	50 - 150
gamma-Chlordane	0.0242	0.0202	J	ug/L		83	50 - 150
Heptachlor	0.00969	0.00933	J	ug/L		96	50 - 150
Heptachlor epoxide (isomer B)	0.00969	0.0106		ug/L		109	50 - 150
Hexachlorobenzene	0.0485	0.0429	J	ug/L		88	50 - 150
Hexachlorocyclopentadiene	0.0485	0.0554		ug/L		114	50 - 150
Indeno[1,2,3-cd]pyrene	0.0485	0.0299	J	ug/L		62	50 - 150
Isophorone	0.0969	0.109		ug/L		113	50 - 150
Lindane	0.00969	0.0144		ug/L		149	50 - 150
Malathion	0.0969	0.0904	J	ug/L		93	50 - 150
Methoxychlor	0.0485	0.0509		ug/L		105	50 - 150
Metolachlor	0.0485	0.0589		ug/L		122	50 - 150
Molinate	0.0969	0.101		ug/L		104	50 - 150
Naphthalene	0.0969	0.0929	J	ug/L		96	50 - 150
Parathion	0.0969	0.0790	J	ug/L		82	50 - 150
Pendimethalin (Penoxaline)	0.0969	0.0828	J	ug/L		85	50 - 150
Phenanthrene	0.0388	0.0398		ug/L		103	50 - 150
Propachlor	0.0485	0.0489		ug/L		101	50 - 150
Pyrene	0.0485	0.0442	J	ug/L		91	50 - 150
Simazine	0.0485	0.0404	J	ug/L		83	50 - 150
Terbacil	0.0969	0.0991		ug/L		102	50 - 150
Terbuthylazine	0.0969	0.0945	J	ug/L		97	50 - 150
Thiobencarb	0.0969	0.0945	J	ug/L		97	50 - 150
trans-Nonachlor	0.0242	<0.025		ug/L		90	50 - 150
Trifluralin	0.0969	0.0861	J	ug/L		89	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*84*		*70 - 130*
Triphenylphosphate	*98*		*70 - 130*

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

Lab Sample ID: 380-126986-I-1-A MS
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 124463

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.94	1.87		ug/L		96	70 - 130
2,4'-DDD	<0.097		1.94	2.01		ug/L		103	70 - 130
2,4'-DDE	<0.097		1.94	1.94		ug/L		100	70 - 130
2,4'-DDT	<0.097		1.94	1.86		ug/L		96	70 - 130
2,4-Dinitrotoluene	<0.097		1.94	1.82		ug/L		94	70 - 130
2,6-Dinitrotoluene	<0.097		1.94	1.88		ug/L		97	70 - 130
2-Methylnaphthalene	<0.097		1.94	1.89		ug/L		97	70 - 130
4,4'-DDD	<0.097		1.94	2.06		ug/L		106	70 - 130
4,4'-DDE	<0.097		1.94	1.92		ug/L		99	70 - 130
4,4'-DDT	<0.097		1.94	1.84		ug/L		95	70 - 130
Acenaphthene	<0.097		1.94	1.85		ug/L		95	70 - 130
Acenaphthylene	<0.097		1.94	1.94		ug/L		100	70 - 130
Acetochlor	<0.097		1.94	2.17		ug/L		112	70 - 130
Alachlor	<0.049		1.94	2.17		ug/L		112	70 - 130
alpha-BHC	<0.097		1.94	1.94		ug/L		100	70 - 130
alpha-Chlordane	<0.049		1.94	1.92		ug/L		99	70 - 130
Anthracene	<0.019		1.94	1.58		ug/L		82	70 - 130
Atrazine	<0.049		1.94	1.98		ug/L		102	70 - 130
Benz(a)anthracene	<0.049		1.94	1.90		ug/L		98	70 - 130
Benzo[a]pyrene	<0.019		1.94	1.82		ug/L		94	70 - 130
Benzo[b]fluoranthene	<0.019		1.94	1.95		ug/L		100	70 - 130
Benzo[g,h,i]perylene	<0.049		1.94	1.98		ug/L		102	70 - 130
Benzo[k]fluoranthene	<0.019		1.94	2.05		ug/L		105	70 - 130
beta-BHC	<0.097		1.94	1.99		ug/L		102	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.94	1.86		ug/L		96	70 - 130
Bromacil	<0.097		1.94	2.04		ug/L		105	70 - 130
Butachlor	<0.049		1.94	2.04		ug/L		105	70 - 130
Butylbenzylphthalate	<0.49		1.94	2.04		ug/L		105	70 - 130
Chlorobenzilate	<0.097		1.94	1.92		ug/L		99	70 - 130
Chloroneb	<0.097		1.94	2.28		ug/L		117	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.94	2.20		ug/L		114	70 - 130
Chlorpyrifos	<0.049		1.94	2.08		ug/L		107	70 - 130
Chrysene	<0.019		1.94	2.01		ug/L		103	70 - 130
delta-BHC	<0.097		1.94	1.95		ug/L		100	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.94	1.81		ug/L		93	70 - 130
Dibenz(a,h)anthracene	<0.049		1.94	1.88		ug/L		97	70 - 130
Diclorvos (DDVP)	<0.049		1.94	1.95		ug/L		100	70 - 130
Dieldrin	<0.0097		1.94	1.94		ug/L		100	70 - 130
Diethylphthalate	<0.49		1.94	1.97		ug/L		101	70 - 130
Dimethylphthalate	<0.49		1.94	1.96		ug/L		101	70 - 130
Di-n-butyl phthalate	<0.97		3.88	4.01		ug/L		103	70 - 130
Di-n-octyl phthalate	<0.097		1.94	1.79		ug/L		92	70 - 130
Endosulfan I (Alpha)	<0.097		1.94	1.98		ug/L		102	70 - 130
Endosulfan II (Beta)	<0.097		1.94	2.01		ug/L		103	70 - 130
Endosulfan sulfate	<0.097		1.94	1.94		ug/L		100	70 - 130
Endrin	<0.0097		1.94	2.24		ug/L		115	70 - 130
Endrin aldehyde	<0.097		1.94	1.35		ug/L		70	60 - 130
EPTC	<0.097		1.94	2.01		ug/L		104	70 - 130

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

Lab Sample ID: 380-126986-I-1-A MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124586 — **Prep Batch: 124463**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	<0.097		1.94	2.08		ug/L		107	70 - 130
Fluorene	<0.049		1.94	1.91		ug/L		98	70 - 130
gamma-Chlordane	<0.049		1.94	1.96		ug/L		101	70 - 130
Heptachlor	<0.0097		1.94	2.08		ug/L		107	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.94	1.98		ug/L		102	70 - 130
Hexachlorobenzene	<0.049		1.94	1.82		ug/L		93	70 - 130
Hexachlorocyclopentadiene	<0.049		1.94	1.80		ug/L		93	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.94	1.86		ug/L		96	70 - 130
Isophorone	<0.097		1.94	1.91		ug/L		99	70 - 130
Lindane	<0.0097		1.94	1.93		ug/L		99	70 - 130
Malathion	<0.097		1.94	2.02		ug/L		104	70 - 130
Methoxychlor	<0.049		1.94	1.97		ug/L		101	70 - 130
Metolachlor	<0.049		1.94	2.03		ug/L		105	70 - 130
Molinate	<0.097		1.94	2.03		ug/L		105	70 - 130
Naphthalene	<0.097		1.94	1.94		ug/L		100	70 - 130
Parathion	<0.097		1.94	2.07		ug/L		107	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.94	1.89		ug/L		97	70 - 130
Phenanthrene	<0.039		1.94	1.88		ug/L		97	70 - 130
Propachlor	<0.049		1.94	2.11		ug/L		108	70 - 130
Pyrene	<0.049		1.94	2.07		ug/L		106	70 - 130
Simazine	<0.049		1.94	2.13		ug/L		110	70 - 130
Terbacil	<0.097		1.94	2.13		ug/L		109	70 - 130
Terbuthylazine	<0.097		1.94	2.16		ug/L		111	70 - 130
Thiobencarb	<0.097		1.94	2.15		ug/L		111	70 - 130
trans-Nonachlor	<0.049		1.94	1.89		ug/L		97	70 - 130
Trifluralin	<0.097		1.94	1.82		ug/L		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*100*		*70 - 130*
Perylene-d12	*96*		*70 - 130*
Triphenylphosphate	*102*		*70 - 130*

Lab Sample ID: 380-126986-J-1-A DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 124586 — **Prep Batch: 124463**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1-Methylnaphthalene	<0.097		<0.098		ug/L		NC	20
2,4'-DDD	<0.097		<0.098		ug/L		NC	20
2,4'-DDE	<0.097		<0.098		ug/L		NC	20
2,4'-DDT	<0.097		<0.098		ug/L		NC	20
2,4-Dinitrotoluene	<0.097		<0.098		ug/L		NC	20
2,6-Dinitrotoluene	<0.097		<0.098		ug/L		NC	20
2-Methylnaphthalene	<0.097		<0.098		ug/L		NC	20
4,4'-DDD	<0.097		<0.098		ug/L		NC	20
4,4'-DDE	<0.097		<0.098		ug/L		NC	20
4,4'-DDT	<0.097		<0.098		ug/L		NC	20
Acenaphthene	<0.097		<0.098		ug/L		NC	20

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

Lab Sample ID: 380-126986-J-1-A DU
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 124463

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Acenaphthylene	<0.097			<0.098		ug/L				NC	20
Acetochlor	<0.097			<0.098		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.097			<0.098		ug/L				NC	20
alpha-Chlordane	<0.049			<0.049		ug/L				NC	20
Anthracene	<0.019			<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	<0.019			<0.020		ug/L				NC	20
Benzo[b]fluoranthene	<0.019			<0.020		ug/L				NC	20
Benzo[g,h,i]perylene	<0.049			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.019			<0.020		ug/L				NC	20
beta-BHC	<0.097			<0.098		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.58			<0.59		ug/L				NC	20
Bromacil	<0.097			<0.098		ug/L				NC	20
Butachlor	<0.049			<0.049		ug/L				NC	20
Butylbenzylphthalate	<0.49			<0.49		ug/L				NC	20
Chlorobenzilate	<0.097			<0.098		ug/L				NC	20
Chloroneb	<0.097			<0.098		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.097			<0.098		ug/L				NC	20
Chlorpyrifos	<0.049			<0.049		ug/L				NC	20
Chrysene	<0.019			<0.020		ug/L				NC	20
delta-BHC	<0.097			<0.098		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.58			<0.59		ug/L				NC	20
Dibenz(a,h)anthracene	<0.049			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.049			<0.049		ug/L				NC	20
Dieldrin	<0.0097			<0.0098		ug/L				NC	20
Diethylphthalate	<0.49			<0.49		ug/L				NC	20
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.97			<0.98		ug/L				NC	20
Di-n-octyl phthalate	<0.097			<0.098		ug/L				NC	20
Endosulfan I (Alpha)	<0.097			<0.098		ug/L				NC	20
Endosulfan II (Beta)	<0.097			<0.098		ug/L				NC	20
Endosulfan sulfate	<0.097			<0.098		ug/L				NC	20
Endrin	<0.0097			<0.0098		ug/L				NC	20
Endrin aldehyde	<0.097			<0.098		ug/L				NC	20
EPTC	<0.097			<0.098		ug/L				NC	20
Fluoranthene	<0.097			<0.098		ug/L				NC	20
Fluorene	<0.049			<0.049		ug/L				NC	20
gamma-Chlordane	<0.049			<0.049		ug/L				NC	20
Heptachlor	<0.0097			<0.0098		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0097			<0.0098		ug/L				NC	20
Hexachlorobenzene	<0.049			<0.049		ug/L				NC	20
Hexachlorocyclopentadiene	<0.049			<0.049		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.049			<0.049		ug/L				NC	20
Isophorone	<0.097			<0.098		ug/L				NC	20
Lindane	<0.0097			<0.0098		ug/L				NC	20
Malathion	<0.097			<0.098		ug/L				NC	20
Methoxychlor	<0.049			<0.049		ug/L				NC	20

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

Lab Sample ID: 380-126986-J-1-A DU
Matrix: Water
Analysis Batch: 124586

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 124463

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Metolachlor	<0.049			<0.049		ug/L				NC	20
Molinate	<0.097			<0.098		ug/L				NC	20
Naphthalene	<0.097			<0.098		ug/L				NC	20
Parathion	<0.097			<0.098		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.097			<0.098		ug/L				NC	20
Phenanthrene	<0.039			<0.039		ug/L				NC	20
Propachlor	<0.049			<0.049		ug/L				NC	20
Pyrene	<0.049			<0.049		ug/L				NC	20
Simazine	<0.049			<0.049		ug/L				NC	20
Terbacil	<0.097			<0.098		ug/L				NC	20
Terbuthylazine	<0.097			<0.098		ug/L				NC	20
Thiobencarb	<0.097			<0.098		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.19			<0.20		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.097			<0.098		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*101*		*70 - 130*
Perylene-d12	*97*		*70 - 130*
Triphenylphosphate	*99*		*70 - 130*

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

Lab Sample ID: MB 570-516463/1-A
Matrix: Water
Analysis Batch: 520104

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 516463

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*	*12/20/24 13:21*	*01/03/25 20:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*33 - 139*	*12/20/24 13:21*	*01/03/25 20:42*	*1*
2-Fluorobiphenyl (Surr)	*73*		*33 - 126*	*12/20/24 13:21*	*01/03/25 20:42*	*1*
2-Fluorophenol (Surr)	*30*		*12 - 120*	*12/20/24 13:21*	*01/03/25 20:42*	*1*
Nitrobenzene-d5 (Surr)	*61*		*36 - 120*	*12/20/24 13:21*	*01/03/25 20:42*	*1*
Phenol-d6 (Surr)	*17*		*10 - 120*	*12/20/24 13:21*	*01/03/25 20:42*	*1*
p-Terphenyl-d14 (Surr)	*77*		*47 - 131*	*12/20/24 13:21*	*01/03/25 20:42*	*1*

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

Lab Sample ID: MB 570-516463/1-A
Matrix: Water
Analysis Batch: 518800

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 516463

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
2-Methylnaphthalene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Acenaphthene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1

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

Lab Sample ID: MB 570-516463/1-A
Matrix: Water
Analysis Batch: 518800

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 516463

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Anthracene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Benzo[a]anthracene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Benzo[a]pyrene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Chrysene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Fluoranthene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Fluorene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Naphthalene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Phenanthrene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1
Pyrene	<0.20		0.20		ug/L		12/20/24 13:21	12/30/24 13:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*28 - 127*	*12/20/24 13:21*	*12/30/24 13:34*	*1*
2-Fluorobiphenyl (Surr)	*66*		*31 - 120*	*12/20/24 13:21*	*12/30/24 13:34*	*1*
2-Fluorophenol (Surr)	*38*		*17 - 120*	*12/20/24 13:21*	*12/30/24 13:34*	*1*
Nitrobenzene-d5 (Surr)	*67*		*27 - 120*	*12/20/24 13:21*	*12/30/24 13:34*	*1*
Phenol-d6 (Surr)	*18*		*10 - 120*	*12/20/24 13:21*	*12/30/24 13:34*	*1*
p-Terphenyl-d14 (Surr)	*85*		*45 - 120*	*12/20/24 13:21*	*12/30/24 13:34*	*1*

Lab Sample ID: LCS 570-516463/2-A
Matrix: Water
Analysis Batch: 518800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 516463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	14.6		ug/L		73	47 - 120
2-Methylnaphthalene	20.0	16.8		ug/L		84	43 - 120
Acenaphthene	20.0	16.6		ug/L		83	60 - 132
Acenaphthylene	20.0	15.8		ug/L		79	54 - 126
Anthracene	20.0	16.7		ug/L		83	43 - 120
Benzo[a]anthracene	20.0	16.1		ug/L		81	42 - 133
Benzo[a]pyrene	20.0	15.4		ug/L		77	32 - 148
Benzo[b]fluoranthene	20.0	16.5		ug/L		82	42 - 140
Benzo[g,h,i]perylene	20.0	16.9		ug/L		85	1 - 195
Benzo[k]fluoranthene	20.0	17.6		ug/L		88	25 - 146
Chrysene	20.0	16.8		ug/L		84	44 - 140
Dibenz(a,h)anthracene	20.0	17.4		ug/L		87	1 - 200
Fluoranthene	20.0	16.8		ug/L		84	43 - 121
Fluorene	20.0	17.1		ug/L		86	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	23.9		ug/L		119	1 - 151
Naphthalene	20.0	14.0		ug/L		70	36 - 120
Phenanthrene	20.0	17.0		ug/L		85	65 - 120
Pyrene	20.0	17.2		ug/L		86	70 - 120

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

Lab Sample ID: LCS 570-516463/2-A
Matrix: Water
Analysis Batch: 518800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 516463

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	86		28 - 127
2-Fluorobiphenyl (Surr)	77		31 - 120
2-Fluorophenol (Surr)	49		17 - 120
Nitrobenzene-d5 (Surr)	70		27 - 120
Phenol-d6 (Surr)	29		10 - 120
p-Terphenyl-d14 (Surr)	84		45 - 120

Lab Sample ID: LCSD 570-516463/3-A
Matrix: Water
Analysis Batch: 518800

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 516463

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	13.9		ug/L		69	47 - 120	5	20
2-Methylnaphthalene			20.0	16.1		ug/L		80	43 - 120	5	20
Acenaphthene			20.0	15.4		ug/L		77	60 - 132	8	29
Acenaphthylene			20.0	14.3		ug/L		72	54 - 126	10	45
Anthracene			20.0	15.6		ug/L		78	43 - 120	6	40
Benzo[a]anthracene			20.0	15.3		ug/L		77	42 - 133	5	32
Benzo[a]pyrene			20.0	14.1		ug/L		71	32 - 148	8	43
Benzo[b]fluoranthene			20.0	15.6		ug/L		78	42 - 140	6	43
Benzo[g,h,i]perylene			20.0	15.4		ug/L		77	1 - 195	10	61
Benzo[k]fluoranthene			20.0	16.7		ug/L		83	25 - 146	5	38
Chrysene			20.0	15.3		ug/L		77	44 - 140	9	53
Dibenz(a,h)anthracene			20.0	16.1		ug/L		81	1 - 200	8	75
Fluoranthene			20.0	16.0		ug/L		80	43 - 121	5	40
Fluorene			20.0	16.1		ug/L		81	70 - 120	6	23
Indeno[1,2,3-cd]pyrene			20.0	22.3		ug/L		112	1 - 151	7	60
Naphthalene			20.0	13.1		ug/L		65	36 - 120	7	39
Phenanthrene			20.0	16.0		ug/L		80	65 - 120	6	24
Pyrene			20.0	16.2		ug/L		81	70 - 120	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	79		28 - 127
2-Fluorobiphenyl (Surr)	73		31 - 120
2-Fluorophenol (Surr)	45		17 - 120
Nitrobenzene-d5 (Surr)	65		27 - 120
Phenol-d6 (Surr)	27		10 - 120
p-Terphenyl-d14 (Surr)	81		45 - 120

Lab Sample ID: 570-212025-B-1-A MS
Matrix: Water
Analysis Batch: 518800

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 516463

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.20		19.7	14.5		ug/L		74	36 - 120
2-Methylnaphthalene	<0.20		19.7	16.6		ug/L		84	32 - 124
Acenaphthene	<0.20		19.7	13.6		ug/L		69	47 - 145
Acenaphthylene	<0.20		19.7	12.3		ug/L		62	33 - 145

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

Lab Sample ID: 570-212025-B-1-A MS
Matrix: Water
Analysis Batch: 518800

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 516463

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	<0.20		19.7	13.0		ug/L		66	27 - 133
Benzo[a]anthracene	<0.20		19.7	13.3		ug/L		68	33 - 143
Benzo[a]pyrene	<0.20		19.7	11.3		ug/L		57	17 - 163
Benzo[b]fluoranthene	<0.20		19.7	13.4		ug/L		68	24 - 159
Benzo[g,h,i]perylene	<0.20		19.7	12.6		ug/L		64	1 - 219
Benzo[k]fluoranthene	<0.20		19.7	13.5		ug/L		68	11 - 162
Chrysene	<0.20		19.7	13.4		ug/L		68	17 - 168
Dibenz(a,h)anthracene	<0.20		19.7	12.9		ug/L		65	1 - 227
Fluoranthene	<0.20		19.7	14.7		ug/L		74	26 - 137
Fluorene	<0.20		19.7	14.3		ug/L		73	59 - 121
Indeno[1,2,3-cd]pyrene	<0.20		19.7	18.6		ug/L		94	1 - 171
Naphthalene	<0.20		19.7	13.9		ug/L		70	21 - 133
Phenanthrene	<0.20		19.7	14.2		ug/L		72	54 - 120
Pyrene	<0.20		19.7	14.5		ug/L		73	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*72*		*28 - 127*
2-Fluorobiphenyl (Surr)	*69*		*31 - 120*
2-Fluorophenol (Surr)	*41*		*17 - 120*
Nitrobenzene-d5 (Surr)	*70*		*27 - 120*
Phenol-d6 (Surr)	*26*		*10 - 120*
p-Terphenyl-d14 (Surr)	*64*		*45 - 120*

Lab Sample ID: 570-212025-B-1-B MSD
Matrix: Water
Analysis Batch: 518800

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 516463

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.20		19.6	11.2		ug/L		57	36 - 120	26	30
2-Methylnaphthalene	<0.20		19.6	12.6		ug/L		64	32 - 124	27	30
Acenaphthene	<0.20		19.6	12.3		ug/L		63	47 - 145	10	48
Acenaphthylene	<0.20		19.6	11.4		ug/L		58	33 - 145	7	74
Anthracene	<0.20		19.6	12.7		ug/L		65	27 - 133	2	66
Benzo[a]anthracene	<0.20		19.6	13.2		ug/L		68	33 - 143	1	53
Benzo[a]pyrene	<0.20		19.6	11.5		ug/L		59	17 - 163	1	72
Benzo[b]fluoranthene	<0.20		19.6	13.0		ug/L		67	24 - 159	3	71
Benzo[g,h,i]perylene	<0.20		19.6	12.4		ug/L		63	1 - 219	2	97
Benzo[k]fluoranthene	<0.20		19.6	13.5		ug/L		69	11 - 162	0	63
Chrysene	<0.20		19.6	13.4		ug/L		68	17 - 168	0	87
Dibenz(a,h)anthracene	<0.20		19.6	12.6		ug/L		65	1 - 227	2	126
Fluoranthene	<0.20		19.6	14.4		ug/L		74	26 - 137	2	66
Fluorene	<0.20		19.6	13.3		ug/L		68	59 - 121	7	38
Indeno[1,2,3-cd]pyrene	<0.20		19.6	17.8		ug/L		91	1 - 171	5	99
Naphthalene	<0.20		19.6	10.0		ug/L		51	21 - 133	32	65
Phenanthrene	<0.20		19.6	13.5		ug/L		69	54 - 120	6	39
Pyrene	<0.20		19.6	14.4		ug/L		73	52 - 120	1	49

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

Lab Sample ID: 570-212025-B-1-B MSD
Matrix: Water
Analysis Batch: 518800

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 516463

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*69*		*28 - 127*
2-Fluorobiphenyl (Surr)	*56*		*31 - 120*
2-Fluorophenol (Surr)	*31*		*17 - 120*
Nitrobenzene-d5 (Surr)	*50*		*27 - 120*
Phenol-d6 (Surr)	*21*		*10 - 120*
p-Terphenyl-d14 (Surr)	*62*		*45 - 120*

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

Lab Sample ID: MB 570-518135/6
Matrix: Water
Analysis Batch: 518135

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			12/27/24 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*		*38 - 134*		*12/27/24 11:18*	*1*

Lab Sample ID: LCS 570-518135/4
Matrix: Water
Analysis Batch: 518135

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	445		ug/L		111	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*76*		*38 - 134*

Lab Sample ID: LCSD 570-518135/5
Matrix: Water
Analysis Batch: 518135

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	423		ug/L		106	78 - 120	5	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*77*		*38 - 134*

Lab Sample ID: MRL 570-518135/3
Matrix: Water
Analysis Batch: 518135

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	12.5		ug/L		125	50 - 150		

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

Lab Sample ID: MRL 570-518135/3
Matrix: Water
Analysis Batch: 518135

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

Surrogate	MRL %Recovery	MRL Qualifier	Limits
4-Bromofluorobenzene (Surr)	*69*		*38 - 134*

Lab Sample ID: 380-126982-C-1 MS
Matrix: Water
Analysis Batch: 518135

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	425		ug/L		106	68 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*78*		*38 - 134*

Lab Sample ID: 380-126982-C-1 MSD
Matrix: Water
Analysis Batch: 518135

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	424		ug/L		106	68 - 122	0	18

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*75*		*38 - 134*

Lab Sample ID: 380-126986-C-1 MS
Matrix: Water
Analysis Batch: 518135

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	<10		400	412		ug/L		103	68 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*73*		*38 - 134*

Lab Sample ID: 380-126986-C-1 MSD
Matrix: Water
Analysis Batch: 518135

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	405		ug/L		101	68 - 122	2	18

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*74*		*38 - 134*

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

Lab Sample ID: MB 570-518803/11
Matrix: Water
Analysis Batch: 518803

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			12/30/24 16:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*38 - 134*		*12/30/24 16:09*	*1*

Lab Sample ID: LCS 570-518803/1009
Matrix: Water
Analysis Batch: 518803

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	352		ug/L		88	78 - 120		

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

Lab Sample ID: LCSD 570-518803/10
Matrix: Water
Analysis Batch: 518803

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	347		ug/L		87	78 - 120	1	10

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

Lab Sample ID: MRL 570-518803/1004
Matrix: Water
Analysis Batch: 518803

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	13.1		ug/L		131	50 - 150		

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

Lab Sample ID: 380-127091-AC-1 MS
Matrix: Water
Analysis Batch: 518803

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	313		ug/L		78	68 - 122		

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

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

Lab Sample ID: 380-127091-AE-1 MSD
Matrix: Water
Analysis Batch: 518803

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	303		ug/L		76	68 - 122	3	18

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

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

Lab Sample ID: MB 570-516519/1-A
Matrix: Water
Analysis Batch: 516961

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 516519

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		12/20/24 15:05	12/22/24 19:08	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		12/20/24 15:05	12/22/24 19:08	1
C8-C18	<25		25		ug/L		12/20/24 15:05	12/22/24 19:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*109*		*60 - 130*	*12/20/24 15:05*	*12/22/24 19:08*	*1*

Lab Sample ID: LCS 570-516519/2-A
Matrix: Water
Analysis Batch: 516961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 516519

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1270		ug/L		80	56 - 127		

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

Lab Sample ID: LCSD 570-516519/3-A
Matrix: Water
Analysis Batch: 516961

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 516519

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1280		ug/L		80	56 - 127	1	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*114*		*60 - 130*

Lab Sample ID: MRL 570-516519/4-A
Matrix: Water
Analysis Batch: 516961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 516519

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	<0.020		mg/L		100	50 - 150		

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

Lab Sample ID: MRL 570-516519/4-A
Matrix: Water
Analysis Batch: 516961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 516519

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	107		60 - 130

Lab Sample ID: 380-126982-B-1-A MS
Matrix: Water
Analysis Batch: 516961

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 516519

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<25		1640	1320		ug/L		81	70 - 130		

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

Lab Sample ID: 380-126982-B-1-B MSD
Matrix: Water
Analysis Batch: 516961

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 516519

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<25		1640	1340		ug/L		81	70 - 130	1	20

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

GC/MS Semi VOA

Prep Batch: 124463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-126968-1	Aiea Gulch Wells Pump 1	Total/NA	Water	525.2	
380-126968-3	Aiea Gulch Wells Pump 2	Total/NA	Water	525.2	
MB 380-124463/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-124463/23-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-124463/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-124463/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-126986-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-126986-J-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 124586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-126968-1	Aiea Gulch Wells Pump 1	Total/NA	Water	525.2	124463
380-126968-3	Aiea Gulch Wells Pump 2	Total/NA	Water	525.2	124463
MB 380-124463/21-A	Method Blank	Total/NA	Water	525.2	124463
LCS 380-124463/23-A	Lab Control Sample	Total/NA	Water	525.2	124463
LCSD 380-124463/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	124463
MRL 380-124463/22-A	Lab Control Sample	Total/NA	Water	525.2	124463
380-126986-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	124463
380-126986-J-1-A DU	Duplicate	Total/NA	Water	525.2	124463

Prep Batch: 516463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-126968-1	Aiea Gulch Wells Pump 1	Total/NA	Water	625.1	
380-126968-3	Aiea Gulch Wells Pump 2	Total/NA	Water	625.1	
MB 570-516463/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-516463/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-516463/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
570-212025-B-1-A MS	Matrix Spike	Total/NA	Water	625.1	
570-212025-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 518800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-126968-1	Aiea Gulch Wells Pump 1	Total/NA	Water	625.1 SIM	516463
380-126968-3	Aiea Gulch Wells Pump 2	Total/NA	Water	625.1 SIM	516463
MB 570-516463/1-A	Method Blank	Total/NA	Water	625.1 SIM	516463
LCS 570-516463/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	516463
LCSD 570-516463/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	516463
570-212025-B-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	516463
570-212025-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	516463

Analysis Batch: 520104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-126968-1	Aiea Gulch Wells Pump 1	Total/NA	Water	625.1	516463
380-126968-3	Aiea Gulch Wells Pump 2	Total/NA	Water	625.1	516463
MB 570-516463/1-A	Method Blank	Total/NA	Water	625.1	516463

GC VOA

Analysis Batch: 518135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-126968-1	Aiea Gulch Wells Pump 1	Total/NA	Water	8015B GRO LL	

GC VOA (Continued)

Analysis Batch: 518135 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-126968-3	Aiea Gulch Wells Pump 2	Total/NA	Water	8015B GRO LL	
380-126968-4	TB: Aiea Gulch Wells Pump 2	Total/NA	Water	8015B GRO LL	
MB 570-518135/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-518135/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-518135/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-518135/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-126982-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-126982-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	
380-126986-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-126986-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

Analysis Batch: 518803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-126968-2	TB: Aiea Gulch Wells Pump 1	Total/NA	Water	8015B GRO LL	
MB 570-518803/11	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-518803/1009	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-518803/10	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-518803/1004	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-127091-AC-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-127091-AE-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 516519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-126968-1	Aiea Gulch Wells Pump 1	Total/NA	Water	3510C	
380-126968-3	Aiea Gulch Wells Pump 2	Total/NA	Water	3510C	
MB 570-516519/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-516519/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-516519/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-516519/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-126982-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-126982-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 516961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-126968-1	Aiea Gulch Wells Pump 1	Total/NA	Water	8015B	516519
380-126968-3	Aiea Gulch Wells Pump 2	Total/NA	Water	8015B	516519
MB 570-516519/1-A	Method Blank	Total/NA	Water	8015B	516519
LCS 570-516519/2-A	Lab Control Sample	Total/NA	Water	8015B	516519
LCSD 570-516519/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	516519
MRL 570-516519/4-A	Lab Control Sample	Total/NA	Water	8015B	516519
380-126982-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	516519
380-126982-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	516519

Lab Chronicle

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

Job ID: 380-126968-1
SDG: Weekly

Client Sample ID: Aiea Gulch Wells Pump 1

Lab Sample ID: 380-126968-1

Date Collected: 12/16/24 10:12
Matrix: Water
Date Received: 12/18/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			124463	KRD3	EA POM	12/19/24 07:24
Total/NA	Analysis	525.2		1	124586	Q8LA	EA POM	12/19/24 17:18
Total/NA	Prep	625.1			516463	UD4J	EET CAL 4	12/20/24 13:21
Total/NA	Analysis	625.1		1	520104	AX7Z	EET CAL 4	01/03/25 19:56
Total/NA	Prep	625.1			516463	UD4J	EET CAL 4	12/20/24 13:21
Total/NA	Analysis	625.1 SIM		1	518800	CG	EET CAL 4	12/30/24 18:02
Total/NA	Analysis	8015B GRO LL		1	518135	A9VE	EET CAL 4	12/27/24 12:13
Total/NA	Prep	3510C			516519	TVD6	EET CAL 4	12/20/24 15:05
Total/NA	Analysis	8015B		1	516961	H6FE	EET CAL 4	12/22/24 22:43

Client Sample ID: TB: Aiea Gulch Wells Pump 1

Lab Sample ID: 380-126968-2

Date Collected: 12/16/24 10:12
Matrix: Water
Date Received: 12/18/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	518803	A9VE	EET CAL 4	12/30/24 16:54

Client Sample ID: Aiea Gulch Wells Pump 2

Lab Sample ID: 380-126968-3

Date Collected: 12/16/24 10:26
Matrix: Water
Date Received: 12/18/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			124463	KRD3	EA POM	12/19/24 07:24
Total/NA	Analysis	525.2		1	124586	Q8LA	EA POM	12/19/24 17:38
Total/NA	Prep	625.1			516463	UD4J	EET CAL 4	12/20/24 13:21
Total/NA	Analysis	625.1		1	520104	AX7Z	EET CAL 4	01/03/25 20:19
Total/NA	Prep	625.1			516463	UD4J	EET CAL 4	12/20/24 13:21
Total/NA	Analysis	625.1 SIM		1	518800	CG	EET CAL 4	12/30/24 18:24
Total/NA	Analysis	8015B GRO LL		1	518135	A9VE	EET CAL 4	12/27/24 12:39
Total/NA	Prep	3510C			516519	TVD6	EET CAL 4	12/20/24 15:05
Total/NA	Analysis	8015B		1	516961	H6FE	EET CAL 4	12/22/24 23:04

Client Sample ID: TB: Aiea Gulch Wells Pump 2

Lab Sample ID: 380-126968-4

Date Collected: 12/16/24 10:26
Matrix: Water
Date Received: 12/18/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	518135	A9VE	EET CAL 4	12/27/24 16:35

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: 380-126968-1
SDG: Weekly

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	01-31-25

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
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	State	3082	07-31-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25

Accreditation/Certification Summary

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

Job ID: 380-126968-1
SDG: Weekly

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
Oregon	NELAP	4175	02-02-25
USDA	US Federal Programs	525-23-159-97150	06-08-26
Washington	State	C916	10-11-25

Method Summary

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

Job ID: 380-126968-1
SDG: Weekly

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: 380-126968-1
SDG: Weekly

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-126968-1	Aiea Gulch Wells Pump 1	Water	12/16/24 10:12	12/18/24 09:55
380-126968-2	TB: Aiea Gulch Wells Pump 1	Water	12/16/24 10:12	12/18/24 09:55
380-126968-3	Aiea Gulch Wells Pump 2	Water	12/16/24 10:26	12/18/24 09:55
380-126968-4	TB: Aiea Gulch Wells Pump 2	Water	12/16/24 10:26	12/18/24 09:55

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: Dr Ron Fenstemacher	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: 808-748-5091(Tel)	PO #: C20525101 exp 05312023			
Email: RFENSTEMACHER@hbws.org	WO #:			
Project Name: RED-HILL/HBWS Sites Event Desc. RUSH Weekly Red Hill	Project #: 38001111			
Site: Hawaii	SSOW#:			

Analysis Requested

380-126968 COC

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1, 625.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C36/C8-C18	525.2_PREC (MOD) 525plus Plus TICs	537 1_DW_PREC - 537 1 Full List	533 All Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:				R	RA	Q	QA	Y	I		
Aiea Gulch Wells Pump 1	16-Dec-2024	1012	G	Water			2	3	2	2				
Aiea Gulch Wells Pump 1 (Matrix Spike)				Water										
Aiea Gulch Wells Pump 1 (Matrix Spike Duplicate)				Water										
TB Aiea Gulch Wells Pump 1	16-Dec-2024	1012		Water				2						
Aiea Gulch Wells Pump 2	16-Dec-2024	1026	G	Water			2	3	2	2				
Aiea Gulch Wells Pump 2 (Matrix Spike)				Water										
Aiea Gulch Wells Pump 2 (Matrix Spike Duplicate)				Water										
TB Aiea Gulch Wells Pump 2	16-Dec-2024	1026		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.
① 7708 4916 0421

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: FEDEX ② 7708 4916 0132

Relinquished by: [redacted]	Date/Time: 17 december 2024 1400	Company: HBWS	Received by:	Date/Time: 12/18/24 09:55	Company: EEAP
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:
(751A) ① 1.0° - 0.0° = 1.0° ② 3.3° - 0.0° = 3.3° GEL-PONE
② GR 12/18 ① 12/18

Ver 04/02/2024

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

Chain of Custody Record

eurofins | Et

Loc: 380
126968

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada, Rachelle	Carrier Tracking No(s): N/A	COC No: 380-178018.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Hawaii		Job #: 380-126968-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 1/6/2025			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS/3510C_LL HNL Ranges: C10-C24/C24-C36/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:									
Aiea Gulch Wells Pump 1 (380-126968-1)	12/16/24	10:12 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: Aiea Gulch Wells Pump 1 (380-126968-2)	12/16/24	10:12 Hawaiian	G	Water				X			2	MRLs are needed.
Aiea Gulch Wells Pump 2 (380-126968-3)	12/16/24	10:26 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: Aiea Gulch Wells Pump 2 (380-126968-4)	12/16/24	10:26 Hawaiian	G	Water				X			2	MRLs are needed.

380-126968 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
1	[signature]	12/19/24 1400	[illegible]	[signature]	12/19/24 14:00	RC
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.7/1.7 SC14

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-126968-1
SDG Number: Weekly

Login Number: 126968
List Number: 1
Creator: Gerfen, Chris

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").	N/A	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	N/A	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-126968-1
SDG Number: Weekly

Login Number: 126968
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 12/19/24 06:38 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	