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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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 2/25/2025 9:22:29 AM

JOB DESCRIPTION

RED-HILL
Weekly

JOB NUMBER

380-134238-1

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

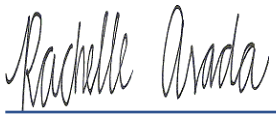

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Table of Contents

Definitions/Glossary

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

Job ID: 380-134238-1
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 Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate 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 ID: 380-134238-1 — Eurofins Eaton Analytical Pomona

Job Narrative
380-134238-1

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 2/6/2025 10:22 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

GC/MS Semi VOA
Method 625.1_SIM: The laboratory control sample (LCS) and laboratory control sample (LCSD) for preparation batch 570-531324 and analytical batch 570-531865 recovered outside control limits for the following analytes: 1-Methylnaphthalene, Acenaphthene, Acenaphthylene and Fluorene. The LCS and LCSD was re-prep and re-ran. The compounds still failed low. The samples HT are expired therefore, no re-extraction. The data will be reported per PM/Client request. Data excluded due to this QC failure.

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

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

Diesel Range Organics
Method 8015B_DRO_LL_CS: The method reporting limit check (MRL) for preparation batch 570-531752 and analytical batch 570-532732 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

Method 8015B_DRO_LL_CS: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-531752 and analytical batch 570-532732 recovered outside control limits for the following analytes: C10-C28. Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

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: 380-134238-1
SDG: Weekly

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-134238-1

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-134238-1
SDG: Weekly

Client Sample ID: Halawa Shaft Viewing Pool
Date Collected: 02/04/25 10:00
Date Received: 02/06/25 10:22

Lab Sample ID: 380-134238-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
2,4'-DDE	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
2,4'-DDT	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
2,4-Dinitrotoluene	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
2,6-Dinitrotoluene	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
4,4'-DDD	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
4,4'-DDE	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
4,4'-DDT	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Acenaphthene	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Acenaphthylene	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Acetochlor	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Alachlor	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
alpha-BHC	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
alpha-Chlordane	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Anthracene	<0.019		0.019		ug/L		02/11/25 06:16	02/11/25 22:05	1
Atrazine	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Benz(a)anthracene	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Benzo[a]pyrene	<0.019		0.019		ug/L		02/11/25 06:16	02/11/25 22:05	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		02/11/25 06:16	02/11/25 22:05	1
Benzo[g,h,i]perylene	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		02/11/25 06:16	02/11/25 22:05	1
beta-BHC	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		02/11/25 06:16	02/11/25 22:05	1
Aldrin	<0.0096		0.0096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Bromacil	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Butachlor	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Butylbenzylphthalate	<0.48		0.48		ug/L		02/11/25 06:16	02/11/25 22:05	1
Chlorobenzilate	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Chloroneb	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Chlorothalonil (Draconil, Bravo)	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Chlorpyrifos	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Chrysene	<0.019		0.019		ug/L		02/11/25 06:16	02/11/25 22:05	1
delta-BHC	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		02/11/25 06:16	02/11/25 22:05	1
Dibenz(a,h)anthracene	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Diclorvos (DDVP)	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Dieldrin	<0.0096		0.0096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Diethylphthalate	<0.48		0.48		ug/L		02/11/25 06:16	02/11/25 22:05	1
Dimethylphthalate	<0.48		0.48		ug/L		02/11/25 06:16	02/11/25 22:05	1
Di-n-butyl phthalate	<0.96		0.96		ug/L		02/11/25 06:16	02/11/25 22:05	1
Di-n-octyl phthalate	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Endosulfan I (Alpha)	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Endosulfan II (Beta)	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Endosulfan sulfate	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Endrin	<0.0096		0.0096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Endrin aldehyde	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
EPTC	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Fluoranthene	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Fluorene	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1

Client Sample ID: Halawa Shaft Viewing Pool

Date Collected: 02/04/25 10:00
Date Received: 02/06/25 10:22

Lab Sample ID: 380-134238-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	<0.0096		0.0096		ug/L		02/11/25 06:16	02/11/25 22:05	1
gamma-Chlordane	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Heptachlor	<0.0096		0.0096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Heptachlor epoxide (isomer B)	<0.0096		0.0096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Hexachlorobenzene	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Hexachlorocyclopentadiene	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Isophorone	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Malathion	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Methoxychlor	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Metolachlor	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Molinate	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Naphthalene	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Parathion	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Pendimethalin (Penoxaline)	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Phenanthrene	<0.038		0.038		ug/L		02/11/25 06:16	02/11/25 22:05	1
Propachlor	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Pyrene	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Simazine	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Terbacil	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Terbuthylazine	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Thiobencarb	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		02/11/25 06:16	02/11/25 22:05	1
trans-Nonachlor	<0.048		0.048		ug/L		02/11/25 06:16	02/11/25 22:05	1
Trifluralin	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
1-Methylnaphthalene	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1
2-Methylnaphthalene	<0.096		0.096		ug/L		02/11/25 06:16	02/11/25 22:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*02/11/25 06:16*	*02/11/25 22:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*02/11/25 06:16*	*02/11/25 22:05*	*1*
Perylene-d12	*96*		*70 - 130*	*02/11/25 06:16*	*02/11/25 22:05*	*1*
Triphenylphosphate	*99*		*70 - 130*	*02/11/25 06:16*	*02/11/25 22:05*	*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			02/13/25 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*38 - 134*		*02/13/25 21:23*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		02/09/25 14:11	02/22/25 03:06	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		02/09/25 14:11	02/22/25 03:06	1
C8-C18	<25		25		ug/L		02/09/25 14:11	02/22/25 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*81*		*60 - 130*	*02/09/25 14:11*	*02/22/25 03:06*	*1*

Action Limit Summary

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

Job ID: 380-134238-1
SDG: Weekly

Client Sample ID: Halawa Shaft Viewing Pool — Lab Sample ID: 380-134238-1

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	<0.048		ug/L	2	0.048	525.2	Total/NA
Atrazine	<0.048		ug/L	3	0.048	525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0096		ug/L	2	0.0096	525.2	Total/NA
gamma-BHC (Lindane)	<0.0096		ug/L	0.2	0.0096	525.2	Total/NA
Heptachlor	<0.0096		ug/L	0.4	0.0096	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0096		ug/L	0.2	0.0096	525.2	Total/NA
Hexachlorobenzene	<0.048		ug/L	1	0.048	525.2	Total/NA
Hexachlorocyclopentadiene	<0.048		ug/L	50	0.048	525.2	Total/NA
Methoxychlor	<0.048		ug/L	40	0.048	525.2	Total/NA
Simazine	<0.048		ug/L	4	0.048	525.2	Total/NA

Surrogate Summary

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

Job ID: 380-134238-1
SDG: Weekly

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-133875-V-4-A MSD	Matrix Spike Duplicate	98	99	104
380-133875-W-4-A MS	Matrix Spike	98	98	102
380-134238-1	Halawa Shaft Viewing Pool	98	96	99
LCS 380-134236/23-A	Lab Control Sample	98	100	101
LCSD 380-134236/24-A	Lab Control Sample Dup	97	99	107
MB 380-134236/21-A	Method Blank	97	94	101
MRL 380-134236/22-A	Lab Control Sample	99	99	99

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-133869-B-1 MS	Matrix Spike	94
380-133869-B-1 MSD	Matrix Spike Duplicate	95
380-134238-1	Halawa Shaft Viewing Pool	90
LCS 570-533375/4	Lab Control Sample	98
LCSD 570-533375/5	Lab Control Sample Dup	97
MB 570-533375/6	Method Blank	91
MRL 570-533375/3	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)
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-133869-C-1-A MS	Matrix Spike	99
380-133869-C-1-B MSD	Matrix Spike Duplicate	109
380-134238-1	Halawa Shaft Viewing Pool	81
LCS 570-531752/2-A	Lab Control Sample	90
LCSD 570-531752/3-A	Lab Control Sample Dup	102
MB 570-531752/1-A	Method Blank	100
MRL 570-531752/4-A	Lab Control Sample	83

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-134236/21-A
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 134236

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
2,4'-DDE	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
2,4'-DDT	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
4,4'-DDD	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
4,4'-DDE	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
4,4'-DDT	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Acenaphthene	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Acenaphthylene	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Acetochlor	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Alachlor	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
alpha-BHC	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
alpha-Chlordane	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Anthracene	<0.020		0.020		ug/L		02/11/25 06:16	02/11/25 17:23	1
Atrazine	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Benz(a)anthracene	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Benzo[a]pyrene	<0.020		0.020		ug/L		02/11/25 06:16	02/11/25 17:23	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		02/11/25 06:16	02/11/25 17:23	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		02/11/25 06:16	02/11/25 17:23	1
beta-BHC	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		02/11/25 06:16	02/11/25 17:23	1
Aldrin	<0.0099		0.0099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Bromacil	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Butachlor	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Butylbenzylphthalate	<0.50		0.50		ug/L		02/11/25 06:16	02/11/25 17:23	1
Chlorobenzilate	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Chloroneb	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Chlorpyrifos	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Chrysene	<0.020		0.020		ug/L		02/11/25 06:16	02/11/25 17:23	1
delta-BHC	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		02/11/25 06:16	02/11/25 17:23	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Dieldrin	<0.0099		0.0099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Diethylphthalate	<0.50		0.50		ug/L		02/11/25 06:16	02/11/25 17:23	1
Dimethylphthalate	<0.50		0.50		ug/L		02/11/25 06:16	02/11/25 17:23	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		02/11/25 06:16	02/11/25 17:23	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Endosulfan sulfate	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Endrin	<0.0099		0.0099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Endrin aldehyde	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
EPTC	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Fluoranthene	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1

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

Lab Sample ID: MB 380-134236/21-A
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 134236

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
gamma-BHC (Lindane)	<0.0099		0.0099		ug/L		02/11/25 06:16	02/11/25 17:23	1
gamma-Chlordane	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Heptachlor	<0.0099		0.0099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Hexachlorobenzene	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Isophorone	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Malathion	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Methoxychlor	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Metolachlor	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Molinate	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Naphthalene	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Parathion	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Phenanthrene	<0.040		0.040		ug/L		02/11/25 06:16	02/11/25 17:23	1
Propachlor	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Pyrene	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Simazine	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Terbacil	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Terbuthylazine	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Thiobencarb	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		02/11/25 06:16	02/11/25 17:23	1
trans-Nonachlor	<0.050		0.050		ug/L		02/11/25 06:16	02/11/25 17:23	1
Trifluralin	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
1-Methylnaphthalene	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	1
2-Methylnaphthalene	<0.099		0.099		ug/L		02/11/25 06:16	02/11/25 17:23	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*	*02/11/25 06:16*	*02/11/25 17:23*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*02/11/25 06:16*	*02/11/25 17:23*	*1*
Perylene-d12	*94*		*70 - 130*	*02/11/25 06:16*	*02/11/25 17:23*	*1*
Triphenylphosphate	*101*		*70 - 130*	*02/11/25 06:16*	*02/11/25 17:23*	*1*

Lab Sample ID: LCS 380-134236/23-A
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 134236

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4'-DDD			1.98	2.08		ug/L		105	70 - 130		
2,4'-DDE			1.98	2.05		ug/L		104	70 - 130		
2,4'-DDT			1.98	2.11		ug/L		107	70 - 130		
2,4-Dinitrotoluene			1.98	1.95		ug/L		99	70 - 130		
2,6-Dinitrotoluene			1.98	1.94		ug/L		98	70 - 130		
4,4'-DDD			1.98	2.10		ug/L		106	70 - 130		

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

Lab Sample ID: LCS 380-134236/23-A
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 134236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDE	1.98	2.00		ug/L		101	70 - 130
4,4'-DDT	1.98	2.12		ug/L		108	70 - 130
Acenaphthene	1.98	1.93		ug/L		98	70 - 130
Acenaphthylene	1.98	2.06		ug/L		104	70 - 130
Acetochlor	1.98	2.16		ug/L		109	70 - 130
Alachlor	1.98	2.17		ug/L		110	70 - 130
alpha-BHC	1.98	2.03		ug/L		103	70 - 130
alpha-Chlordane	1.98	2.07		ug/L		105	70 - 130
Anthracene	1.98	1.92		ug/L		97	70 - 130
Atrazine	1.98	2.16		ug/L		109	70 - 130
Benz(a)anthracene	1.98	1.94		ug/L		98	70 - 130
Benzo[a]pyrene	1.98	1.94		ug/L		98	70 - 130
Benzo[b]fluoranthene	1.98	2.10		ug/L		106	70 - 130
Benzo[g,h,i]perylene	1.98	2.19		ug/L		111	70 - 130
Benzo[k]fluoranthene	1.98	2.19		ug/L		111	70 - 130
beta-BHC	1.98	2.05		ug/L		104	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	2.10		ug/L		107	70 - 130
Aldrin	1.98	1.92		ug/L		97	70 - 130
Bromacil	1.98	2.09		ug/L		106	70 - 130
Butachlor	1.98	2.27		ug/L		115	70 - 130
Butylbenzylphthalate	1.98	2.28		ug/L		115	70 - 130
Chlorobenzilate	1.98	2.05		ug/L		104	70 - 130
Chloroneb	1.98	1.92		ug/L		97	70 - 130
Chlorothalonil (Draconil, Bravo)	1.98	2.03		ug/L		103	70 - 130
Chlorpyrifos	1.98	2.17		ug/L		110	70 - 130
Chrysene	1.98	1.99		ug/L		101	70 - 130
delta-BHC	1.98	2.06		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	1.98	1.99		ug/L		101	70 - 130
Dibenz(a,h)anthracene	1.98	1.95		ug/L		99	70 - 130
Diclorvos (DDVP)	1.98	2.05		ug/L		104	70 - 130
Dieldrin	1.98	2.13		ug/L		108	70 - 130
Diethylphthalate	1.98	2.11		ug/L		107	70 - 130
Dimethylphthalate	1.98	2.12		ug/L		107	70 - 130
Di-n-butyl phthalate	3.95	4.32		ug/L		109	70 - 130
Di-n-octyl phthalate	1.98	1.81		ug/L		92	70 - 130
Endosulfan I (Alpha)	1.98	1.98		ug/L		100	70 - 130
Endosulfan II (Beta)	1.98	2.06		ug/L		104	70 - 130
Endosulfan sulfate	1.98	2.09		ug/L		106	70 - 130
Endrin	1.98	1.98		ug/L		100	70 - 130
Endrin aldehyde	1.98	2.03		ug/L		103	60 - 130
EPTC	1.98	2.08		ug/L		105	70 - 130
Fluoranthene	1.98	2.12		ug/L		107	70 - 130
Fluorene	1.98	2.08		ug/L		105	70 - 130
gamma-BHC (Lindane)	1.98	1.88		ug/L		95	70 - 130
gamma-Chlordane	1.98	2.07		ug/L		105	70 - 130
Heptachlor	1.98	2.03		ug/L		103	70 - 130
Heptachlor epoxide (isomer B)	1.98	2.06		ug/L		104	70 - 130
Hexachlorobenzene	1.98	1.86		ug/L		94	70 - 130
Hexachlorocyclopentadiene	1.98	1.83		ug/L		92	70 - 130

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

Lab Sample ID: LCS 380-134236/23-A
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 134236

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Indeno[1,2,3-cd]pyrene			1.98	2.18		ug/L		111	70 - 130		
Isophorone			1.98	2.00		ug/L		101	70 - 130		
Malathion			1.98	2.16		ug/L		109	70 - 130		
Methoxychlor			1.98	1.96		ug/L		99	70 - 130		
Metolachlor			1.98	2.17		ug/L		110	70 - 130		
Molinate			1.98	2.08		ug/L		105	70 - 130		
Naphthalene			1.98	1.98		ug/L		100	70 - 130		
Parathion			1.98	2.11		ug/L		107	70 - 130		
Pendimethalin (Penoxaline)			1.98	1.99		ug/L		101	70 - 130		
Phenanthrene			1.98	1.92		ug/L		97	70 - 130		
Propachlor			1.98	2.10		ug/L		106	70 - 130		
Pyrene			1.98	2.09		ug/L		106	70 - 130		
Simazine			1.98	2.17		ug/L		110	70 - 130		
Terbacil			1.98	2.16		ug/L		109	70 - 130		
Terbuthylazine			1.98	2.17		ug/L		110	70 - 130		
Thiobencarb			1.98	2.19		ug/L		111	70 - 130		
trans-Nonachlor			1.98	2.06		ug/L		104	70 - 130		
Trifluralin			1.98	1.91		ug/L		97	70 - 130		
1-Methylnaphthalene			1.98	2.01		ug/L		102	70 - 130		
2-Methylnaphthalene			1.98	2.01		ug/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*100*		*70 - 130*
Triphenylphosphate	*101*		*70 - 130*

Lab Sample ID: LCSD 380-134236/24-A
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 134236

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4'-DDD			1.98	2.14		ug/L		108	70 - 130	3	20
2,4'-DDE			1.98	2.06		ug/L		104	70 - 130	1	20
2,4'-DDT			1.98	2.16		ug/L		109	70 - 130	2	20
2,4-Dinitrotoluene			1.98	1.95		ug/L		98	70 - 130	0	20
2,6-Dinitrotoluene			1.98	1.90		ug/L		96	70 - 130	2	20
4,4'-DDD			1.98	2.18		ug/L		110	70 - 130	4	20
4,4'-DDE			1.98	2.05		ug/L		104	70 - 130	3	20
4,4'-DDT			1.98	2.18		ug/L		110	70 - 130	2	20
Acenaphthene			1.98	1.92		ug/L		97	70 - 130	1	20
Acenaphthylene			1.98	2.12		ug/L		107	70 - 130	3	20
Acetochlor			1.98	2.16		ug/L		109	70 - 130	0	20
Alachlor			1.98	2.18		ug/L		110	70 - 130	0	20
alpha-BHC			1.98	2.02		ug/L		102	70 - 130	0	20
alpha-Chlordane			1.98	2.11		ug/L		106	70 - 130	2	20
Anthracene			1.98	1.95		ug/L		98	70 - 130	2	20
Atrazine			1.98	2.21		ug/L		111	70 - 130	2	20
Benz(a)anthracene			1.98	2.03		ug/L		102	70 - 130	4	20

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

Lab Sample ID: LCSD 380-134236/24-A
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 134236

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene			1.98	1.94		ug/L		98	70 - 130	0	20
Benzo[b]fluoranthene			1.98	2.15		ug/L		109	70 - 130	3	20
Benzo[g,h,i]perylene			1.98	2.09		ug/L		105	70 - 130	5	20
Benzo[k]fluoranthene			1.98	2.11		ug/L		107	70 - 130	4	20
beta-BHC			1.98	2.06		ug/L		104	70 - 130	0	20
Bis(2-ethylhexyl) phthalate			1.98	2.04		ug/L		103	70 - 130	3	20
Aldrin			1.98	1.93		ug/L		97	70 - 130	0	20
Bromacil			1.98	2.17		ug/L		109	70 - 130	4	20
Butachlor			1.98	2.32		ug/L		117	70 - 130	2	20
Butylbenzylphthalate			1.98	2.42		ug/L		122	70 - 130	6	20
Chlorobenzilate			1.98	2.11		ug/L		107	70 - 130	3	20
Chloroneb			1.98	1.91		ug/L		96	70 - 130	0	20
Chlorothalonil (Draconil, Bravo)			1.98	2.19		ug/L		111	70 - 130	8	20
Chlorpyrifos			1.98	2.21		ug/L		111	70 - 130	2	20
Chrysene			1.98	2.02		ug/L		102	70 - 130	1	20
delta-BHC			1.98	2.08		ug/L		105	70 - 130	1	20
Di(2-ethylhexyl)adipate			1.98	2.02		ug/L		102	70 - 130	2	20
Dibenz(a,h)anthracene			1.98	1.87		ug/L		94	70 - 130	4	20
Diclorvos (DDVP)			1.98	2.08		ug/L		105	70 - 130	2	20
Dieldrin			1.98	2.02		ug/L		102	70 - 130	6	20
Diethylphthalate			1.98	2.14		ug/L		108	70 - 130	2	20
Dimethylphthalate			1.98	2.11		ug/L		106	70 - 130	0	20
Di-n-butyl phthalate			3.97	4.28		ug/L		108	70 - 130	1	20
Di-n-octyl phthalate			1.98	1.76		ug/L		89	70 - 130	2	20
Endosulfan I (Alpha)			1.98	1.98		ug/L		100	70 - 130	0	20
Endosulfan II (Beta)			1.98	2.08		ug/L		105	70 - 130	1	20
Endosulfan sulfate			1.98	2.16		ug/L		109	70 - 130	3	20
Endrin			1.98	2.02		ug/L		102	70 - 130	2	20
Endrin aldehyde			1.98	2.07		ug/L		104	60 - 130	2	20
EPTC			1.98	2.07		ug/L		105	70 - 130	0	20
Fluoranthene			1.98	2.17		ug/L		109	70 - 130	2	20
Fluorene			1.98	2.10		ug/L		106	70 - 130	1	20
gamma-BHC (Lindane)			1.98	1.85		ug/L		93	70 - 130	2	20
gamma-Chlordane			1.98	2.04		ug/L		103	70 - 130	1	20
Heptachlor			1.98	2.05		ug/L		103	70 - 130	1	20
Heptachlor epoxide (isomer B)			1.98	2.02		ug/L		102	70 - 130	2	20
Hexachlorobenzene			1.98	1.90		ug/L		96	70 - 130	2	20
Hexachlorocyclopentadiene			1.98	1.87		ug/L		94	70 - 130	2	20
Indeno[1,2,3-cd]pyrene			1.98	2.17		ug/L		109	70 - 130	1	20
Isophorone			1.98	1.98		ug/L		100	70 - 130	1	20
Malathion			1.98	2.24		ug/L		113	70 - 130	4	20
Methoxychlor			1.98	2.01		ug/L		101	70 - 130	3	20
Metolachlor			1.98	2.18		ug/L		110	70 - 130	0	20
Molinate			1.98	2.10		ug/L		106	70 - 130	1	20
Naphthalene			1.98	1.96		ug/L		99	70 - 130	1	20
Parathion			1.98	2.19		ug/L		111	70 - 130	4	20
Pendimethalin (Penoxaline)			1.98	2.07		ug/L		104	70 - 130	4	20
Phenanthrene			1.98	1.96		ug/L		99	70 - 130	2	20
Propachlor			1.98	2.12		ug/L		107	70 - 130	1	20

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

Lab Sample ID: LCSD 380-134236/24-A
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 134236

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene			1.98	2.16		ug/L		109	70 - 130	3	20
Simazine			1.98	2.17		ug/L		110	70 - 130	0	20
Terbacil			1.98	2.28		ug/L		115	70 - 130	5	20
Terbuthylazine			1.98	2.19		ug/L		110	70 - 130	1	20
Thiobencarb			1.98	2.23		ug/L		112	70 - 130	2	20
trans-Nonachlor			1.98	2.04		ug/L		103	70 - 130	1	20
Trifluralin			1.98	1.90		ug/L		96	70 - 130	1	20
1-Methylnaphthalene			1.98	1.99		ug/L		100	70 - 130	1	20
2-Methylnaphthalene			1.98	2.00		ug/L		101	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*99*		*70 - 130*
Triphenylphosphate	*107*		*70 - 130*

Lab Sample ID: MRL 380-134236/22-A
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 134236

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
2,4'-DDD			0.0991	0.0939	J	ug/L		95	50 - 150		
2,4'-DDE			0.0991	0.102		ug/L		103	50 - 150		
2,4'-DDT			0.0991	0.103		ug/L		104	50 - 150		
2,4-Dinitrotoluene			0.0991	0.113		ug/L		114	50 - 150		
2,6-Dinitrotoluene			0.0991	0.110		ug/L		111	50 - 150		
4,4'-DDD			0.0991	0.109		ug/L		110	50 - 150		
4,4'-DDE			0.0991	0.101		ug/L		102	50 - 150		
4,4'-DDT			0.0991	0.101		ug/L		102	50 - 150		
Acenaphthene			0.0991	0.100		ug/L		101	50 - 150		
Acenaphthylene			0.0991	0.102		ug/L		103	50 - 150		
Acetochlor			0.0991	0.117		ug/L		118	50 - 150		
Alachlor			0.0496	0.0547		ug/L		110	50 - 150		
alpha-BHC			0.0991	0.108		ug/L		109	50 - 150		
alpha-Chlordane			0.0248	<0.029		ug/L		95	50 - 150		
Anthracene			0.0198	0.0222		ug/L		112	50 - 150		
Atrazine			0.0496	0.0524		ug/L		106	50 - 150		
Benz(a)anthracene			0.0496	0.0525		ug/L		106	50 - 150		
Benzo[a]pyrene			0.0198	0.0243		ug/L		123	50 - 150		
Benzo[b]fluoranthene			0.0198	0.0188	J	ug/L		95	50 - 150		
Benzo[g,h,i]perylene			0.0496	0.0407	J	ug/L		82	50 - 150		
Benzo[k]fluoranthene			0.0198	0.0186	J	ug/L		94	50 - 150		
beta-BHC			0.0991	0.116		ug/L		117	50 - 150		
Bis(2-ethylhexyl) phthalate			0.595	0.563	J	ug/L		95	50 - 150		
Aldrin			0.00991	<0.0099		ug/L		99	50 - 150		
Bromacil			0.0991	0.106		ug/L		107	50 - 150		
Butachlor			0.0496	0.0603		ug/L		122	50 - 150		
Butylbenzylphthalate			0.496	0.553		ug/L		112	50 - 150		
Chlorobenzilate			0.0991	0.105		ug/L		106	50 - 150		

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

Lab Sample ID: MRL 380-134236/22-A
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 134236

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloroneb	0.0991	0.0864	J	ug/L		87	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0991	0.0880	J	ug/L		89	50 - 150
Chlorpyrifos	0.0496	0.0539		ug/L		109	50 - 150
Chrysene	0.0198	0.0218		ug/L		110	50 - 150
delta-BHC	0.0991	0.129		ug/L		130	50 - 150
Di(2-ethylhexyl)adipate	0.595	0.605		ug/L		102	50 - 150
Dibenz(a,h)anthracene	0.0496	0.0503		ug/L		102	50 - 150
Diclorvos (DDVP)	0.0496	0.0600		ug/L		121	50 - 150
Dieldrin	0.00991	0.0119		ug/L		120	50 - 150
Diethylphthalate	0.496	0.540		ug/L		109	50 - 150
Dimethylphthalate	0.496	0.539		ug/L		109	50 - 150
Di-n-butyl phthalate	0.496	0.572	J	ug/L		115	49 - 243
Di-n-octyl phthalate	0.0991	0.0928	J	ug/L		94	50 - 150
Endosulfan I (Alpha)	0.0991	0.0868	J	ug/L		88	50 - 150
Endosulfan II (Beta)	0.0991	0.116		ug/L		117	50 - 150
Endosulfan sulfate	0.0991	0.111		ug/L		112	50 - 150
Endrin	0.00991	0.0133		ug/L		135	50 - 150
Endrin aldehyde	0.0991	0.0993		ug/L		100	50 - 150
EPTC	0.0991	0.100		ug/L		101	50 - 150
Fluoranthene	0.0991	0.105		ug/L		106	50 - 150
Fluorene	0.0496	0.0526		ug/L		106	50 - 150
gamma-BHC (Lindane)	0.00991	0.0142		ug/L		143	50 - 150
gamma-Chlordane	0.0248	0.0233	J	ug/L		94	50 - 150
Heptachlor	0.00991	0.0123		ug/L		124	50 - 150
Heptachlor epoxide (isomer B)	0.00991	0.0118		ug/L		119	50 - 150
Hexachlorobenzene	0.0496	0.0496	J	ug/L		100	50 - 150
Hexachlorocyclopentadiene	0.0496	0.0450	J	ug/L		91	50 - 150
Indeno[1,2,3-cd]pyrene	0.0496	0.0421	J	ug/L		85	50 - 150
Isophorone	0.0991	0.118		ug/L		120	50 - 150
Malathion	0.0991	0.0933	J	ug/L		94	50 - 150
Methoxychlor	0.0496	0.0556		ug/L		112	50 - 150
Metolachlor	0.0496	0.0573		ug/L		116	50 - 150
Molinate	0.0991	0.104		ug/L		105	50 - 150
Naphthalene	0.0991	0.113		ug/L		114	50 - 150
Parathion	0.0991	0.0841	J	ug/L		85	50 - 150
Pendimethalin (Penoxaline)	0.0991	0.0956	J	ug/L		96	50 - 150
Phenanthrene	0.0396	0.0441		ug/L		111	50 - 150
Propachlor	0.0496	0.0541		ug/L		109	50 - 150
Pyrene	0.0496	0.0507		ug/L		102	50 - 150
Simazine	0.0496	0.0541		ug/L		109	50 - 150
Terbacil	0.0991	0.0955	J	ug/L		96	50 - 150
Terbuthylazine	0.0991	0.105		ug/L		106	50 - 150
Thiobencarb	0.0991	0.101		ug/L		102	50 - 150
trans-Nonachlor	0.0248	0.0260	J	ug/L		105	50 - 150
Trifluralin	0.0991	0.100		ug/L		101	50 - 150
1-Methylnaphthalene	0.0991	0.119		ug/L		120	50 - 150
2-Methylnaphthalene	0.0991	0.111		ug/L		112	50 - 150

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

Lab Sample ID: MRL 380-134236/22-A
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 134236

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

Lab Sample ID: 380-133875-V-4-A MSD
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 134236

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4'-DDD	<0.099		1.96	2.07		ug/L		105	70 - 130	1	20
2,4'-DDE	<0.099		1.96	2.03		ug/L		103	70 - 130	1	20
2,4'-DDT	<0.099		1.96	2.10		ug/L		107	70 - 130	1	20
2,4-Dinitrotoluene	<0.099		1.96	2.02		ug/L		103	70 - 130	11	20
2,6-Dinitrotoluene	<0.099		1.96	2.00		ug/L		102	70 - 130	11	20
4,4'-DDD	<0.099		1.96	2.09		ug/L		106	70 - 130	1	20
4,4'-DDE	<0.099		1.96	2.01		ug/L		102	70 - 130	2	20
4,4'-DDT	<0.099		1.96	2.13		ug/L		109	70 - 130	4	20
Acenaphthene	<0.099		1.96	1.91		ug/L		98	70 - 130	0	20
Acenaphthylene	<0.099		1.96	2.12		ug/L		108	70 - 130	0	20
Acetochlor	<0.099		1.96	2.11		ug/L		108	70 - 130	1	20
Alachlor	<0.049		1.96	2.14		ug/L		109	70 - 130	2	20
alpha-BHC	<0.099		1.96	2.04		ug/L		104	70 - 130	1	20
alpha-Chlordane	<0.049		1.96	2.03		ug/L		104	70 - 130	1	20
Anthracene	<0.020		1.96	1.80		ug/L		92	70 - 130	12	20
Atrazine	<0.049		1.96	2.27		ug/L		116	70 - 130	4	20
Benz(a)anthracene	<0.049		1.96	1.97		ug/L		101	70 - 130	3	20
Benzo[a]pyrene	<0.020		1.96	1.92		ug/L		98	70 - 130	5	20
Benzo[b]fluoranthene	<0.020		1.96	2.08		ug/L		106	70 - 130	2	20
Benzo[g,h,i]perylene	<0.049		1.96	2.06		ug/L		105	70 - 130	0	20
Benzo[k]fluoranthene	<0.020		1.96	2.16		ug/L		110	70 - 130	4	20
beta-BHC	<0.099		1.96	2.03		ug/L		103	70 - 130	1	20
Bis(2-ethylhexyl) phthalate	<0.59		1.96	2.03		ug/L		104	70 - 130	6	20
Aldrin	<0.0099		1.96	1.87		ug/L		95	70 - 130	2	20
Bromacil	<0.099		1.96	2.16		ug/L		110	70 - 130	9	20
Butachlor	<0.049		1.96	2.23		ug/L		114	70 - 130	1	20
Butylbenzylphthalate	<0.49		1.96	2.35		ug/L		120	70 - 130	0	20
Chlorobenzilate	<0.099		1.96	2.04		ug/L		104	70 - 130	1	20
Chloroneb	<0.099		1.96	1.94		ug/L		99	70 - 130	0	20
Chlorothalonil (Draconil, Bravo)	<0.099		1.96	2.18		ug/L		111	70 - 130	2	20
Chlorpyrifos	<0.049		1.96	2.17		ug/L		111	70 - 130	1	20
Chrysene	<0.020		1.96	1.99		ug/L		102	70 - 130	1	20
delta-BHC	<0.099		1.96	2.03		ug/L		104	70 - 130	0	20
Di(2-ethylhexyl)adipate	<0.59		1.96	2.04		ug/L		104	70 - 130	8	20
Dibenz(a,h)anthracene	<0.049		1.96	1.88		ug/L		96	70 - 130	3	20
Diclorvos (DDVP)	<0.049		1.96	2.12		ug/L		108	70 - 130	5	20
Dieldrin	<0.0099		1.96	1.98		ug/L		101	70 - 130	1	20
Diethylphthalate	<0.49		1.96	2.17		ug/L		110	70 - 130	0	20
Dimethylphthalate	<0.49		1.96	2.14		ug/L		109	70 - 130	2	20

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

Lab Sample ID: 380-133875-V-4-A MSD
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 134236

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Di-n-butyl phthalate	<0.99		3.92	4.24		ug/L		108	70 - 130	0	20
Di-n-octyl phthalate	<0.099		1.96	1.65		ug/L		84	70 - 130	3	20
Endosulfan I (Alpha)	<0.099		1.96	1.96		ug/L		100	70 - 130	2	20
Endosulfan II (Beta)	<0.099		1.96	2.06		ug/L		105	70 - 130	4	20
Endosulfan sulfate	<0.099		1.96	2.08		ug/L		106	70 - 130	3	20
Endrin	<0.0099		1.96	1.94		ug/L		99	70 - 130	3	20
Endrin aldehyde	<0.099		1.96	1.91		ug/L		98	60 - 130	1	20
EPTC	<0.099		1.96	2.06		ug/L		105	70 - 130	1	20
Fluoranthene	<0.099		1.96	2.15		ug/L		109	70 - 130	1	20
Fluorene	<0.049		1.96	2.10		ug/L		107	70 - 130	1	20
gamma-BHC (Lindane)	<0.0099		1.96	1.86		ug/L		95	70 - 130	1	20
gamma-Chlordane	<0.049		1.96	1.99		ug/L		102	70 - 130	1	20
Heptachlor	<0.0099		1.96	1.99		ug/L		101	70 - 130	1	20
Heptachlor epoxide (isomer B)	<0.0099		1.96	1.97		ug/L		101	70 - 130	1	20
Hexachlorobenzene	<0.049		1.96	1.88		ug/L		96	70 - 130	0	20
Hexachlorocyclopentadiene	<0.049		1.96	1.91		ug/L		97	70 - 130	1	20
Indeno[1,2,3-cd]pyrene	<0.049		1.96	2.10		ug/L		107	70 - 130	3	20
Isophorone	<0.099		1.96	1.98		ug/L		101	70 - 130	3	20
Malathion	<0.099		1.96	2.16		ug/L		110	70 - 130	0	20
Methoxychlor	<0.049		1.96	1.98		ug/L		101	70 - 130	0	20
Metolachlor	<0.049		1.96	2.12		ug/L		108	70 - 130	1	20
Molinate	<0.099		1.96	2.14		ug/L		109	70 - 130	1	20
Naphthalene	<0.099		1.96	1.92		ug/L		98	70 - 130	0	20
Parathion	<0.099		1.96	2.15		ug/L		109	70 - 130	2	20
Pendimethalin (Penoxaline)	<0.099		1.96	2.02		ug/L		103	70 - 130	0	20
Phenanthrene	<0.040		1.96	1.91		ug/L		97	70 - 130	2	20
Propachlor	<0.049		1.96	2.15		ug/L		110	70 - 130	2	20
Pyrene	<0.049		1.96	2.11		ug/L		108	70 - 130	0	20
Simazine	<0.049		1.96	2.22		ug/L		113	70 - 130	4	20
Terbacil	<0.099		1.96	2.19		ug/L		112	70 - 130	6	20
Terbuthylazine	<0.099		1.96	2.21		ug/L		113	70 - 130	2	20
Thiobencarb	<0.099		1.96	2.20		ug/L		112	70 - 130	1	20
trans-Nonachlor	<0.049		1.96	2.00		ug/L		102	70 - 130	1	20
Trifluralin	<0.099		1.96	1.91		ug/L		97	70 - 130	0	20
1-Methylnaphthalene	<0.099		1.96	1.97		ug/L		100	70 - 130	0	20
2-Methylnaphthalene	<0.099		1.96	1.99		ug/L		101	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*99*		*70 - 130*
Triphenylphosphate	*104*		*70 - 130*

Lab Sample ID: 380-133875-W-4-A MS
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 134236

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	<0.099		1.96	2.05		ug/L		104	70 - 130

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

Lab Sample ID: 380-133875-W-4-A MS
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 134236

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDE	<0.099		1.96	2.01		ug/L		102	70 - 130
2,4'-DDT	<0.099		1.96	2.07		ug/L		106	70 - 130
2,4-Dinitrotoluene	<0.099		1.96	1.81		ug/L		92	70 - 130
2,6-Dinitrotoluene	<0.099		1.96	1.79		ug/L		91	70 - 130
4,4'-DDD	<0.099		1.96	2.06		ug/L		105	70 - 130
4,4'-DDE	<0.099		1.96	1.96		ug/L		100	70 - 130
4,4'-DDT	<0.099		1.96	2.06		ug/L		105	70 - 130
Acenaphthene	<0.099		1.96	1.92		ug/L		98	70 - 130
Acenaphthylene	<0.099		1.96	2.11		ug/L		108	70 - 130
Acetochlor	<0.099		1.96	2.14		ug/L		109	70 - 130
Alachlor	<0.049		1.96	2.11		ug/L		108	70 - 130
alpha-BHC	<0.099		1.96	2.01		ug/L		103	70 - 130
alpha-Chlordane	<0.049		1.96	2.02		ug/L		103	70 - 130
Anthracene	<0.020		1.96	1.60		ug/L		81	70 - 130
Atrazine	<0.049		1.96	2.19		ug/L		112	70 - 130
Benz(a)anthracene	<0.049		1.96	1.92		ug/L		98	70 - 130
Benzo[a]pyrene	<0.020		1.96	1.83		ug/L		93	70 - 130
Benzo[b]fluoranthene	<0.020		1.96	2.11		ug/L		108	70 - 130
Benzo[g,h,i]perylene	<0.049		1.96	2.05		ug/L		104	70 - 130
Benzo[k]fluoranthene	<0.020		1.96	2.08		ug/L		106	70 - 130
beta-BHC	<0.099		1.96	2.00		ug/L		102	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.96	1.91		ug/L		97	70 - 130
Aldrin	<0.0099		1.96	1.91		ug/L		97	70 - 130
Bromacil	<0.099		1.96	1.97		ug/L		100	70 - 130
Butachlor	<0.049		1.96	2.21		ug/L		113	70 - 130
Butylbenzylphthalate	<0.49		1.96	2.34		ug/L		119	70 - 130
Chlorobenzilate	<0.099		1.96	2.01		ug/L		103	70 - 130
Chloroneb	<0.099		1.96	1.93		ug/L		98	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.099		1.96	2.14		ug/L		109	70 - 130
Chlorpyrifos	<0.049		1.96	2.15		ug/L		110	70 - 130
Chrysene	<0.020		1.96	2.01		ug/L		102	70 - 130
delta-BHC	<0.099		1.96	2.04		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.96	1.87		ug/L		95	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	1.82		ug/L		93	70 - 130
Diclorvos (DDVP)	<0.049		1.96	2.02		ug/L		103	70 - 130
Dieldrin	<0.0099		1.96	1.96		ug/L		100	70 - 130
Diethylphthalate	<0.49		1.96	2.16		ug/L		110	70 - 130
Dimethylphthalate	<0.49		1.96	2.09		ug/L		106	70 - 130
Di-n-butyl phthalate	<0.99		3.92	4.24		ug/L		108	70 - 130
Di-n-octyl phthalate	<0.099		1.96	1.61		ug/L		82	70 - 130
Endosulfan I (Alpha)	<0.099		1.96	2.00		ug/L		102	70 - 130
Endosulfan II (Beta)	<0.099		1.96	1.98		ug/L		101	70 - 130
Endosulfan sulfate	<0.099		1.96	2.03		ug/L		103	70 - 130
Endrin	<0.0099		1.96	1.87		ug/L		96	70 - 130
Endrin aldehyde	<0.099		1.96	1.93		ug/L		99	60 - 130
EPTC	<0.099		1.96	2.08		ug/L		106	70 - 130
Fluoranthene	<0.099		1.96	2.13		ug/L		108	70 - 130
Fluorene	<0.049		1.96	2.08		ug/L		106	70 - 130
gamma-BHC (Lindane)	<0.0099		1.96	1.83		ug/L		94	70 - 130

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

Lab Sample ID: 380-133875-W-4-A MS
Matrix: Water
Analysis Batch: 134289

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 134236

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
gamma-Chlordane	<0.049		1.96	1.98		ug/L		101	70 - 130
Heptachlor	<0.0099		1.96	2.00		ug/L		102	70 - 130
Heptachlor epoxide (isomer B)	<0.0099		1.96	1.99		ug/L		101	70 - 130
Hexachlorobenzene	<0.049		1.96	1.88		ug/L		96	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	1.93		ug/L		98	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	2.04		ug/L		104	70 - 130
Isophorone	<0.099		1.96	1.91		ug/L		97	70 - 130
Malathion	<0.099		1.96	2.16		ug/L		110	70 - 130
Methoxychlor	<0.049		1.96	1.98		ug/L		101	70 - 130
Metolachlor	<0.049		1.96	2.13		ug/L		109	70 - 130
Molinate	<0.099		1.96	2.12		ug/L		108	70 - 130
Naphthalene	<0.099		1.96	1.93		ug/L		98	70 - 130
Parathion	<0.099		1.96	2.11		ug/L		107	70 - 130
Pendimethalin (Penoxaline)	<0.099		1.96	2.03		ug/L		104	70 - 130
Phenanthrene	<0.040		1.96	1.94		ug/L		99	70 - 130
Propachlor	<0.049		1.96	2.12		ug/L		108	70 - 130
Pyrene	<0.049		1.96	2.10		ug/L		107	70 - 130
Simazine	<0.049		1.96	2.13		ug/L		108	70 - 130
Terbacil	<0.099		1.96	2.07		ug/L		106	70 - 130
Terbuthylazine	<0.099		1.96	2.16		ug/L		110	70 - 130
Thiobencarb	<0.099		1.96	2.17		ug/L		111	70 - 130
trans-Nonachlor	<0.049		1.96	1.97		ug/L		101	70 - 130
Trifluralin	<0.099		1.96	1.92		ug/L		98	70 - 130
1-Methylnaphthalene	<0.099		1.96	1.97		ug/L		100	70 - 130
2-Methylnaphthalene	<0.099		1.96	1.99		ug/L		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*98*		*70 - 130*
Triphenylphosphate	*102*		*70 - 130*

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

Lab Sample ID: MB 570-533375/6
Matrix: Water
Analysis Batch: 533375

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			02/13/25 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*38 - 134*		*02/13/25 11:55*	*1*

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

Lab Sample ID: LCS 570-533375/4
Matrix: Water
Analysis Batch: 533375

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	392		ug/L		98	78 - 120		

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

Lab Sample ID: LCSD 570-533375/5
Matrix: Water
Analysis Batch: 533375

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	373		ug/L		93	78 - 120	5	10

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

Lab Sample ID: MRL 570-533375/3
Matrix: Water
Analysis Batch: 533375

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	11.4		ug/L		114	50 - 150		

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

Lab Sample ID: 380-133869-B-1 MS
Matrix: Water
Analysis Batch: 533375

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	392		ug/L		98	68 - 122		

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

Lab Sample ID: 380-133869-B-1 MSD
Matrix: Water
Analysis Batch: 533375

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	391		ug/L		98	68 - 122	0	18

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

Lab Sample ID: 380-133869-B-1 MSD
Matrix: Water
Analysis Batch: 533375

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*95*		*38 - 134*

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

Lab Sample ID: MB 570-531752/1-A
Matrix: Water
Analysis Batch: 532732

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 531752

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		02/09/25 14:11	02/11/25 21:49	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		02/09/25 14:11	02/11/25 21:49	1
C8-C18	<25		25		ug/L		02/09/25 14:11	02/11/25 21:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*100*		*60 - 130*	*02/09/25 14:11*	*02/11/25 21:49*	*1*

Lab Sample ID: LCS 570-531752/2-A
Matrix: Water
Analysis Batch: 532732

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 531752

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	977		ug/L		61	56 - 127		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*90*		*60 - 130*

Lab Sample ID: LCSD 570-531752/3-A
Matrix: Water
Analysis Batch: 532732

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 531752

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1270	*1	ug/L		80	56 - 127	26	23

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

Lab Sample ID: MRL 570-531752/4-A
Matrix: Water
Analysis Batch: 536893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 531752

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0242	J	mg/L		121	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	*83*		*60 - 130*

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

Lab Sample ID: 380-133869-C-1-A MS
Matrix: Water
Analysis Batch: 532732

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 531752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26	^3+	1640	1290		ug/L		78	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*99*		*60 - 130*

Lab Sample ID: 380-133869-C-1-B MSD
Matrix: Water
Analysis Batch: 532732

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 531752

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26	^3+	1660	1430		ug/L		86	70 - 130	11	20

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

QC Association Summary

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

Job ID: 380-134238-1
SDG: Weekly

GC/MS Semi VOA

Prep Batch: 134236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-134238-1	Halawa Shaft Viewing Pool	Total/NA	Water	525.2	
MB 380-134236/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-134236/23-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-134236/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-134236/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-133875-V-4-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	
380-133875-W-4-A MS	Matrix Spike	Total/NA	Water	525.2	

Analysis Batch: 134289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-134238-1	Halawa Shaft Viewing Pool	Total/NA	Water	525.2	134236
MB 380-134236/21-A	Method Blank	Total/NA	Water	525.2	134236
LCS 380-134236/23-A	Lab Control Sample	Total/NA	Water	525.2	134236
LCSD 380-134236/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	134236
MRL 380-134236/22-A	Lab Control Sample	Total/NA	Water	525.2	134236
380-133875-V-4-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	134236
380-133875-W-4-A MS	Matrix Spike	Total/NA	Water	525.2	134236

GC VOA

Analysis Batch: 533375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-134238-1	Halawa Shaft Viewing Pool	Total/NA	Water	8015B GRO LL	
MB 570-533375/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-533375/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-533375/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-533375/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-133869-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-133869-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 531752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-134238-1	Halawa Shaft Viewing Pool	Total/NA	Water	3510C	
MB 570-531752/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-531752/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-531752/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-531752/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-133869-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-133869-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 532732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-531752/1-A	Method Blank	Total/NA	Water	8015B	531752
LCS 570-531752/2-A	Lab Control Sample	Total/NA	Water	8015B	531752
LCSD 570-531752/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	531752
380-133869-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	531752
380-133869-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	531752

QC Association Summary

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

Job ID: 380-134238-1
SDG: Weekly

GC Semi VOA

Analysis Batch: 536893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-134238-1	Halawa Shaft Viewing Pool	Total/NA	Water	8015B	531752
MRL 570-531752/4-A	Lab Control Sample	Total/NA	Water	8015B	531752

Lab Chronicle

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

Job ID: 380-134238-1
SDG: Weekly

Client Sample ID: Halawa Shaft Viewing Pool

Date Collected: 02/04/25 10:00
Date Received: 02/06/25 10:22

Lab Sample ID: 380-134238-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			134236	OTM3	EA POM	02/11/25 06:16
Total/NA	Analysis	525.2		1	134289	Q8LA	EA POM	02/11/25 22:05
Total/NA	Analysis	8015B GRO LL		1	533375	A9VE	EET CAL 4	02/13/25 21:23
Total/NA	Prep	3510C			531752	TVD6	EET CAL 4	02/09/25 14:11
Total/NA	Analysis	8015B		1	536893	E5RH	EET CAL 4	02/22/25 03:06

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 380-134238-1
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
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
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	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-25

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

Accreditation/Certification Summary

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

Job ID: 380-134238-1
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
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA001112025-8	02-28-26
Washington	State	C916	10-11-25

Method Summary

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

Job ID: 380-134238-1
SDG: Weekly

Method	Method Description	Protocol	Laboratory
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	EA POM
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

Protocol References:

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: 380-134238-1
SDG: Weekly

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-134238-1	Halawa Shaft Viewing Pool	Water	02/04/25 10:00	02/06/25 10:22

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

Chain of Custody Record

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Client Information	Sampler: Ryan Greer	Lab PM: Arada, Rachelle	Carrier Tracking No(s):	COC No: 380-28005-2757 1
Client Contact: Dr Ron Fenstemacher	Phone: 808-748-5840	E-Mail: Rachelle.Arada@et.eurofinsus com	State of Origin: HI	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

380-134238 COC

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	8016B_GRO_LL - (MOD) GRO	8016B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C36/C8-C18	625.2_PREC - (MOD) 625plus Plus TICs	537.1_DW_PREC - 537 1 Full List	533 - All Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	R	RA	Q	QA	Y	I		
Halawa Shaft Viewing Pool	2/4/25	1000	G	Water			2	3	2	2				(750A) 1.7-0.2=1.5 FedEx: 771895012512
TRIP BLANK	2/4/25	1000	G	Water				2						

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

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

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

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx 771895012523

Relinquished by: [redacted]	Date/Time: 2/5/25 1300	Company: HBWS	Received by: Mark Urrutia	Date/Time: 2/6/25 1022	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: (750A) 1.5-0.2-1.3 gel-frozen

Ver: 04/02/2024

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

Chain of Custody Record

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Loc: 380
134238

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada, Rachelle	Carrier Tracking No(s): N/A	COC No: 380-188739.1
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 #: 380-134238-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 2/19/2025			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

Analysis Requested

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 List	625.1/625_Prep (MOD) Tentatively Identified Compounds (Hold)	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
Halawa Shaft Viewing Pool (380-134238-1)	2/4/25	10:00 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TRIP BLANK (380-134238-2)	2/4/25	10:00 Hawaiian	G	Water			X				2	MRLs are needed. Confirm any hits >RL.

380-134238 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]	2/7/25 1045	[illegible]	[signature]	2/7/25 10:45	[illegible]
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2-3 [illegible]

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-134238-1
SDG Number: Weekly

Login Number: 134238
List Number: 1
Creator: Hernandez, Orlando

List Source: Eurofins Eaton Analytical Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-134238-1
SDG Number: Weekly

Login Number: 134238
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 02/07/25 01:31 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	2.5
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	