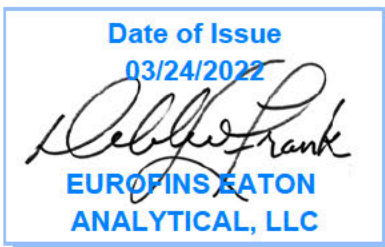


750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Honolulu Board of Water Supply
630 South Beretania Street
Public Service Bldg." Room 308
Honolulu, HI 96843
Attention: Erwin Kawata
Fax: 808-550-5018



Utah ELCP CA00006

DEB: Debbie L Frank
Project Manager

Report: 992225
Project: SPECIAL
Group: Customer Inquiry - Sheen

* Accredited in accordance with **TNI 2016** and **ISO/IEC 17025:2017**.

* Laboratory certifies that the test results meet all **TNI 2016** and **ISO/IEC 17025:2017** requirements unless noted under the individual analysis.

* As applicable, this report consists of the cover page, State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms.

* Test results relate only to the sample(s) tested.

* Test results apply to the sample(s) as received, unless otherwise noted in the comments report (ISO/IEC 17025:2017).

* This report shall not be reproduced except in full, without the written approval of the laboratory.

* This report includes ISO/IEC 17025 and non-ISO 17025 accredited methods.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Montana	Cert 0035
Arizona	AZ0778	Nebraska	NE-OS-21-13
Arkansas	CA00006	Nevada	CA00006
California	2813	New Hampshire *	2959
Colorado	CA00006	New Jersey *	CA 008
Connecticut	PH-0107	New Mexico	CA00006
Delaware	CA 006	New York *	11320
Florida *	E871024	North Carolina	06701
Georgia	947	North Dakota	R-009
Guam	21-008R	Ohio - 537.1	87786
Hawaii	CA00006	Oregon *	4034
Idaho	CA00006	Pennsylvania *	68-00565
Illinois	200033	Puerto Rico	CA00006
Indiana	C-CA-01	Rhode Island	LAO00326
Iowa – Asbestos	413	South Carolina	87016
Kansas *	E-10268	South Dakota	CA11320
Kentucky	90107	Tennessee	TN02839
Louisiana *	LA008	Texas *	T104704230-20-18
Maine	CA00006	Utah (Primary AB) *	CA00006
Maryland	224	Vermont	VT0114
Marianas Islands	MP0004	Virginia *	460260
Massachusetts	M-CA006	Washington	C838
Michigan	9906	EPA Region 5	CA00006
Mississippi	CA00006	Los Angeles County Sanitation Districts	10264

* NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025:2017 Accredited Method List

The test listed below are accredited and met the requirements of ISO/IEC 17025 as verify by A2LA.

Refer to our certificates and scope of accreditations (no. 5890-1 and 5890-2) found at:

<https://www.eurofinsus.com/Eaton>

Test(s)	Method(s)	Potable Water *	Waste Water	Test(s)	Method(s)	Potable Water *	Waste Water
Enterococci	Enterolert	x	x	Gross Alpha coprecipitation	SM 7110 C	x	x
<i>Escherichia coli</i> (Enumeration)	SM 9221 B.1 SM 9221 F	x		Hardness	SM 2340 B	x	x
Fecal Coliform (P/A and Enumeration)	SM 9221 C (MTF/EC), SM 9221 E (MTF/EC)	x	x	Hexavalent Chromium	EPA 218.6,	x	x
Fecal Streptococci and Enterococci	SM 9230 B	x	x	Hexavalent Chromium	EPA 218.7,	x	
Heterotrophic Bacteria	SM 9215 B	x		Hexavalent Chromium	SM 3500-Cr B		x
Legionella	Legiolert®	x		Inorganic Anions and DBPs	EPA 300.0	x	x
<i>Pseudomonas aeruginosa</i>	Idexx Pseudalert	x		Norganic Anions and DBPs	EPA 300.1	x	
Total Coliform (P/A and Enumeration)	SM 9221A, SM 9221B, SM 9221 C	x	x	Kjeldahl Nitrogen	EPA 351.2		x
Total Coliform, Total Coliform with Chlorine Present	SM 9221 B	x	x	Metals	EPA 200.7, EPA200.8	x	x
Total Coliform/ <i>E. coli</i> (P/A and Enumeration, Idexx Colilert, Idexx Colilert 18, Colisure)	SM 9223	x		Nitrosamines	EEA-Agilent 521.1 (GCMS-24250)	x	
Total Microcystins and Nodularins	EPA 546	x		Nitrate/Nitrite Nitrogen	EPA 353.2	x	x
Yeast and Mold	SM 9610	x		Odor	SM2150B	x	
1,2,3-Trichloropropane (TCP) at 5 PPT	CA SRL 524M-TCP	x		Organohalide Pesticides and PCB	EPA 505	x	
1,4-Dioxane	EPA 522	x		Ortho Phosphate	SM 4500P E	x	
2,3,7,8-TCDD	Modified EPA 1613 B	x		Oxyhalides Disinfect ion Byproducts	EPA 317.0	x	
Acrylamide	+ LCMS 2440)	x		Perchlorate	EPA 331.0	x	
Algal Toxins/Microcys in	+ LCMS 3570	x		Perchlorate (Low and High Levels)	EPA 314.0	x	
Alkalinity	SM 2320B	x	x	Perfluorinated Alkyl Acids	EPA 533, EPA 537, EPA 537.1	x	
Ammonia	EPA 350.1, SM 4500-NH3 H		x	PPCP and EDC	+ LCMS-2443	x	
Asbestos	EPA 100.2	x	x	pH	EPA 150.1 SM 4500-H+ B	x	x
Bicarbonate Alkalinity as HCO ₃	SM 2330 B	x	x	Phenolics – Low Level	+WC 2493 (EPA 420.2 and EPA 420.4 MOD)	x	x
BOD/CBOD	SM 5210 B		x	Phenylurea Pesticides/Herbicides	+ LCMS-2448	x	
Bromate	+ LCMS- 2447	x		Radium-226, Radium-228	GA Tech (Rad-2374)	x	
Carbonate as CO ₃	SM 2330 B	x	x	Radon-222	SM 7500RN	x	
Carbonyls	EPA 556	x	x	Residue (Filterable)	SM 2540C	x	x
Chemical Oxygen Demand	EPA 410.4, SM 5220D		x	Residue (Non-Filterable)	SM 2540D		x
Chlorinated Acids	EPA 515.4	x		Residue (Total)	SM 2540B		x
Chlorine Dioxide	Palin Test Chlordio X Plus, SM 4500-CLO2 D	x		Residue (Volatile)	EPA 160.4		x
Chlorine, Free, Combined, Total Residual, Chloramines	SM 4500-Cl G	x		Semi-Volatile Compounds	EPA 525.2	x	
Color	SM2120B	x		Silica	SM 4500-SiO2 C	x	x
Conductivity	EPA 120.1, SM 2510B	x	x	Sulfide	SM 4500-S D		x
Corrosivity (Langelier Index), Carbonate as CO ₃ , Hydroxide as OH Calculated	SM 2330 B	x		Sulfite	SM 4500-SO3 B	x	x
Cyanide (Amenable)	SM 4500-CN G	x	x	Surfactants	SM 5540C	x	x
Cyanide (Free)	SM 4500CN F	x	x	Taste and Odor	SM 6040 E	x	
Cyanide (Total)	EPA 335.4	x	x	Total Organic Carbon	SM 5310 C	x	x
Cyanogen Chloride (Screen)	+335 Mod (WC-24467)	x		Total Phenols	EPA 420.1		x
Diquat and Paraquat	EPA 549.2	x		Total Phenols	EPA 420.4	x	x
DBP and HAA	SM 6251 B	x		Triazine Pesticides and their Degradates	+ LCMS-3617	x	
Dissolved Organic Carbon	SM 5310 C	x		Turbidity	EPA 180.1	x	x
Dissolved Oxygen	SM 4500-O G		x	Uranium by ICP/MS	EPA 200.8	x	
EDB/DCBP/TCP	EPA 504.1	x		UV 254 Organic Constituents	SM 5910B	x	
EDB/DBCP and Disinfection Byproducts	EPA 551.1	x		VOCs	EPA 524.2	x	
EDTA and NTA	+ WC-2454	x		VOCs	+ (GCMS 2412) by EPA 524.2 modified	x	
Endothall	EPA 548.1, +(LCMS-2445)	x					
Fluoride	SM 4500F C	x	x				
Glyphosate	EPA 547	x					
Glyphosate and AMPA	+ LCMS-3618	x					
Gross Alpha and Gross Beta	EPA 900.0	x	x				

(*) includes: Bottled Water, Drinking Water and Water as Component of Food & Beverage.

(+) In-House Method

Acknowledgement of Samples Received

Addr: **Honolulu Board of Water Supply**
630 South Beretania Street
Public Service Bldg." Room 308
Honolulu, HI 96843

Attn: Erwin Kawata
Phone: 808-748-5091

Client ID: HONOLULU
Folder #: 992225
Project: SPECIAL
Sample Group: Customer Inquiry - Sheen

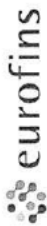
Project Manager: Debbie L Frank
Phone: (626) 386-1149
PO #: C20525101 exp 05312023

The following samples were received from you on **March 10, 2022 at 1418**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, LLC.

Sample #	Sample ID	Sample Date
202203100640	██████ Kaimalie St tatic ID ██████	03/09/2022 1010
	@8270E_EWA C @8270ESIM_EWA C @VOASDWA C (SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil	
202203100641	Travel Blank C	03/09/2022 1010
	@VOASDWA TB C (SUB)Gas Fraction Hydrocarbons	

Test Description

- @8270E_EWA C -- 8270E Semivolatile Organic Compounds
- @8270ESIM_EWA C -- 8270E SIM Semivolatile Organic Compounds
- @VOASDWA C -- Volatile Organics by GCMS
- @VOASDWA TB C -- Volatile Organics by GCMS



Eaton Analytical

CHAIN OF CUSTODY RECORD

992225

EUROFINS EATON ANALYTICAL USE ONLY:

750 Royal Oaks Drive, Suite 100
 Monrovia, CA 91016-3629
 Phone: 626 386 1100
 Fax: 626 386 1101
 800 566 LABS (800 566 5227)

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY: GR

SAMPLE TEMP RECEIVED AT:
 Colton / No. California / Arizona
 Monrovia

SAMPLES LOGGED IN BY: JH

SAMPLES REC'D DAY OF COLLECTION? (check for yes)

4.8 °C (Compliance: 4 ± 2 °C)
 °C (Compliance: 4 ± 2 °C)

CONDITION OF BLUE ICE: Frozen Partially Frozen Thawed Wet Ice No Ice

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx UPS / DHL / Area Fast / Top Line / Other: _____

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME:

BWS HONOLULU

PROJECT CODE:

Special

SAMPLE GROUP:

COC ID:

RESIDENTIAL TPH TESTING

TAT requested: rush by adv notice only

STD ___ 1 wk ___ 5 day X ___ 2 day ___ 1 day

SAMPLE DATE
03/09/22

SAMPLE TIME
10:00

SAMPLE ID

Kaimalie St

MATRIX

CFW

CLIENT LAB ID

FIELD DATA

FIELD DATA

X 8270
 X TPH 8015
 X VOA
 X VOA TB
 X 8015 Gac C
 X 8015 Gac C TB

SAMPLER COMMENTS

Temp Blank: 1.0 °C

* MATRIX TYPES: RSW = Raw Surface Water

CFW = Chlor(am)inated Finished Water

SO = Soil

BW = Bottled Water

SW = Storm Water

FW = Other Finished Water

RGW = Raw Ground Water

SL = Sludge

O = Other - Please Identify

SIGNATURE

SAMPLED BY: [Signature]

PRINT NAME

Kirk Iwamoto

RELINQUISHED BY: [Signature]

Kirk Iwamoto

RECEIVED BY: [Signature]

G. REITNER

RELINQUISHED BY:

COMPANY/TITLE

ECA

Honolulu Board of Water Supply

Honolulu Board of Water Supply

DATE

3/9/2022

DATE

3/9/2022

DATE

03/10/2022

DATE

14:18

TIME

12:00

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number:

SAMPLE TEMP RECEIVED:

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.
SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID = 649A (Observation = 5.1 °C) (Corr.Factor = -0.3 °C) (Final = 4.8 °C)

TYPE OF ICE: Real Synthetic No Ice CONDITION OF ICE: Frozen Partially Frozen Thawed N/A

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx UPS / DHL / Area Fast / Top Line / Other: _____

Compliance Acceptance Criteria:

- 1) Chemistry: >0, ≤6°C, not frozen (NELAP) (if received after 24 hrs of sample collection)
- 2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)
- 3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection)

If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation = _____ °C) (Corr.Factor = _____ °C) (Final = _____ °C)	2 = (Observation = _____ °C) (Corr.Factor = _____ °C) (Final = _____ °C)
3 = (Observation = _____ °C) (Corr.Factor = _____ °C) (Final = _____ °C)	4 = (Observation = _____ °C) (Corr.Factor = _____ °C) (Final = _____ °C)


- 4 Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (if received after 24 hrs of sample collection)
- 5) pH Check. Manufacturer: _____ Lot Number: _____ pH strip type: 0 - 14 or _____ Expiration Date _____ Results: _____
- 6) Chlorine check. Manufacturer: Sansafe. Lot No.: _____ Expiration Date: _____ Results _____

VOA and Radon No Samples with Headspace: Samples with Headspace (see below):

Headspace: Exempt from headspace concerns: Methods 515-4, HAA(6251,552), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml Vials, International clients:

Samp ID	Bottle #	None/<6 mm	>6mm	Test	Samp ID	Bottle #	None/<6 mm	>6mm	Test
0490	11			VGA					

Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): _____

RECEIVED BY: 	PRINT NAME: G. REITNER	COMPANY/TITLE: Eurofins Eaton Analytical	DATE: 03-10-2022	TIME: 14:18
SAMPLES CHECKED AGAINST COC BY: _____	PRINT NAME: _____	COMPANY/TITLE: Eurofins Eaton Analytical	DATE: _____	TIME: _____

ORIGIN:DHKA (808) 748-5840
BWS CHEM LAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST
CHEMICAL LABORATORY
HONOLULU, HI 96843
UNITED STATES US

SHIP DATE: 09MAR22
ACTWGT: 32.00 LB
CAD: 100205419/NET4460

BILL RECEIPT

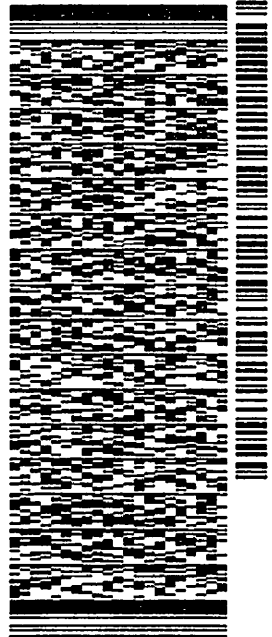
TO C CHUCK

EUROFINS EATON ANALYTICAL, INC
750 ROYAL OAKS DR
SUITE 100

MONROVIA CA 91016

REF (629) 386-1178
INV
PO

DEPT



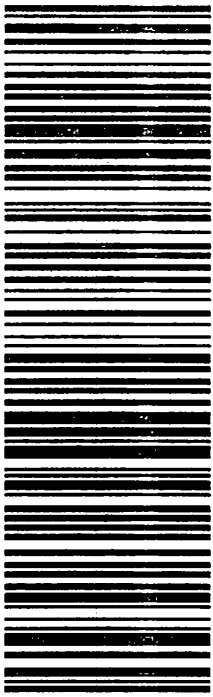
J221022010501uv

TRK# 7762 5530 0151
0201

THU - 10 MAR 10:30A
PRIORITY OVERNIGHT

WZ WHPA

91016
CA-US BUR



56DJ5/EB02/FE4A

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Report: 992225
Project: SPECIAL
Group: Customer Inquiry - Sheen

Honolulu Board of Water Supply
Erwin Kawata
630 South Beretania Street
Public Service Bldg." Room 308
Honolulu, HI 96843

Folder Comments

Results for TPH Gas, Diesel and Motor Oil are submitted by Emax Laboratories
Results for 8270E and 8270SIM compounds are submitted by Eurofins TestAmerica in
Tacoma WA, Oregon NELAP cert WA 100007 exp 11-6-2020

INTERNAL NOTE: Sample ID is Kaimalie per Ron Fenstemacher 03/24/22. Kai malie (Calm sea). 8270 Analyte lists is per DOH list followed for RED-HILL-INCIDENT reporting to HI-EALs were possible. PAH compounds by SIM as there are two analytes that we don't meet DOH limit for the MDL (Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene), and even by SIM we don't meet the DOH limit for the MDL for Dibenzo(a,h)anthracene (DOH limit is 0.0092 ug/L; our MDL by SIM is 0.026 ug/L) proceed per agreement deb032422

EEA enters Subcontractor data into EEA system for archive tracking purposes. Please review Subcontract lab report for QC data and Qualifiers that are applicable to the reported data. Significant figures may vary due to system limitations. Please review Subcontractor's report in full.

Results are reviewed to the MRL, per drinking water specifications.

See Subcontractors report for qualifier definitions.



Eaton Analytical

Tel: (626) 386-1100
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1 800 566 LABS (1 800 566 5227)

Laboratory Hits

Report: 992225
Project: SPECIAL
Group: Customer Inquiry - Sheen

Honolulu Board of Water Supply
Erwin Kawata
630 South Beretania Street
Public Service Bldg." Room 308
Honolulu, HI 96843

Samples Received on:
03/10/2022 1418

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
----------	---------	-----------	--------	-------------	-------	-----

SUMMARY OF POSITIVE DATA ONLY

Tel: (626) 386-1100
 Fax: (626) 988-3757
 1 800 566 LABS (1 800 566 5227)

Report: 992225
 Project: SPECIAL
 Group: Customer Inquiry - Sheen

Honolulu Board of Water Supply
 Erwin Kawata
 630 South Beretania Street
 Public Service Bldg. Room 308
 Honolulu, HI 96843

Samples Received on:
 03/10/2022 14:18

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Kaimalie St (202203100640)						Sampled on 03/09/2022 1010			
Static ID: [REDACTED]									
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
03/11/22	03/11/22 21:52			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
03/14/22	03/15/22 19:53			(SW 8015B)	TPH Diesel	ND	mg/L	0.026	1
03/14/22	03/15/22 19:53			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.052	1
8270E SIM - 8270E SIM Semivolatile Organic Compounds									
	03/17/22 22:06			(8270E SIM)	1-Methylnaphthalene	ND	ug/L	0.097	1
	03/17/22 22:06			(8270E SIM)	2-Methylnaphthalene	ND	ug/L	0.19	1
	03/17/22 22:06			(8270E SIM)	acenaphthene	ND	ug/L	0.097	1
	03/17/22 22:06			(8270E SIM)	acenaphthylene	ND	ug/L	0.048	1
	03/17/22 22:06			(8270E SIM)	anthracene	ND	ug/L	0.097	1
	03/17/22 22:06			(8270E SIM)	Benzo(a)Anthracene	ND	ug/L	0.097	1
	03/17/22 22:06			(8270E SIM)	benzo(a)pyrene	ND	ug/L	0.097	1
	03/17/22 22:06			(8270E SIM)	benzo(b)fluoranthene	ND	ug/L	0.048	1
	03/17/22 22:06			(8270E SIM)	Benzo(g,h,i)perylene	ND	ug/L	0.048	1
	03/17/22 22:06			(8270E SIM)	benzo(k)fluoranthene	ND	ug/L	0.048	1
	03/17/22 22:06			(8270E SIM)	chrysene	ND	ug/L	0.097	1
	03/17/22 22:06			(8270E SIM)	Dibenz(a,h)Anthracene	ND	ug/L	0.097	1
	03/17/22 22:06			(8270E SIM)	fluoranthene	ND	ug/L	0.19	1
	03/17/22 22:06			(8270E SIM)	fluorene	ND	ug/L	0.097	1
	03/17/22 22:06			(8270E SIM)	Indeno(1,2,3,c,d)Pyrene	ND	ug/L	0.048	1
	03/17/22 22:06			(8270E SIM)	naphthalene	ND	ug/L	0.097	1
	03/17/22 22:06			(8270E SIM)	phenanthrene	ND	ug/L	0.097	1
	03/17/22 22:06			(8270E SIM)	pyrene	ND	ug/L	0.097	1
	03/17/22 22:06			(8270E SIM)	p-Terphenyl-d14	95	%		1
8270E - 8270E Semivolatile Organic Compounds									
	03/17/22 19:26			(8270E)	1,2-Dichlorobenzene	ND	ug/L	0.39	1
	03/17/22 19:26			(8270E)	1,3-Dichlorobenzene	ND	ug/L	0.39	1
	03/17/22 19:26			(8270E)	1,4-Dichlorobenzene	ND	ug/L	0.39	1
	03/17/22 19:26			(8270E)	2,4-Dichlorophenol	ND	ug/L	0.97	1
	03/17/22 19:26			(8270E)	2,4-Dimethylphenol	ND	ug/L	3.9	1
	03/17/22 19:26			(8270E)	2,4-Dinitrophenol	ND	ug/L	4.8	1
	03/17/22 19:26			(8270E)	2,4-Dinitrotoluene	ND	ug/L	0.97	1
	03/17/22 19:26			(8270E)	2-chloronaphthalene	ND	ug/L	0.97	1
	03/17/22 19:26			(8270E)	2-Chlorophenol	ND	ug/L	0.97	1

Rounding on totals after summation.
 (c) - indicates calculated results. Analysis is a calculated result. Reported results are not rounded until the final step before reporting. Therefore methods that use a test result with further calculation may have slight differences in final result than the component analyses.

Tel: (626) 386-1100
 Fax: (626) 988-3757
 1 800 566 LABS (1 800 566 5227)

Report: 992225
 Project: SPECIAL
 Group: Customer Inquiry - Sheen

Honolulu Board of Water Supply
 Erwin Kawata
 630 South Beretania Street
 Public Service Bldg. Room 308
 Honolulu, HI 96843

Samples Received on:
 03/10/2022 14:18

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
03/17/22	19:26			(8270E)	2-methylphenol	ND	ug/L	0.58	1
03/17/22	19:26			(8270E)	2-nitroaniline	ND	ug/L	0.97	1
03/17/22	19:26			(8270E)	3,3-Dichlorobenzidine	ND	ug/L	0.97	1
03/17/22	19:26			(8270E)	3-4-Methylphenol	ND	ug/L	0.58	1
03/17/22	19:26			(8270E)	3-nitroaniline	ND	ug/L	2.9	1
03/17/22	19:26			(8270E)	4,6-Dinitro-2-methylphenol	ND	ug/L	1.9	1
03/17/22	19:26			(8270E)	4-Bromophenyl-phenyl ether	ND	ug/L	0.58	1
03/17/22	19:26			(8270E)	4-Chloro-3-methylphenol	ND	ug/L	0.58	1
03/17/22	19:26			(8270E)	4-chloroaniline	ND	ug/L	1.9	1
03/17/22	19:26			(8270E)	4-Chlorophenyl-Phenyl Ether	ND	ug/L	0.58	1
03/17/22	19:26			(8270E)	4-nitroaniline	ND	ug/L	1.9	1
03/17/22	19:26			(8270E)	4-nitrophenol	ND	ug/L	9.7	1
03/17/22	19:26			(8270E)	bis(2-Chloroethoxy)methane	ND	ug/L	0.58	1
03/17/22	19:26			(8270E)	bis(2-Chloroethyl)ether	ND	ug/L	0.097	1
03/17/22	19:26			(8270E)	Butyl benzyl phthalate	ND	ug/L	3.9	1
03/17/22	19:26			(8270E)	carbazole	ND	ug/L	0.58	1
03/17/22	19:26			(8270E)	dibenzofuran	ND	ug/L	0.39	1
03/17/22	19:26			(8270E)	diethyl phthalate	ND	ug/L	0.97	1
03/17/22	19:26			(8270E)	dimethyl phthalate	ND	ug/L	0.58	1
03/17/22	19:26			(8270E)	Di-n-butylphthalate	ND	ug/L	2.9	1
03/17/22	19:26			(8270E)	Di-n-octylphthalate	ND	ug/L	0.97	1
03/17/22	19:26			(8270E)	Hexachlorobenzene	ND	ug/L	0.58	1
03/17/22	19:26			(8270E)	Hexachlorobutadiene	ND (*1)	ug/L	0.97	1
03/17/22	19:26			(8270E)	Hexachlorocyclopentadiene	ND	ug/L	0.97	1
03/17/22	19:26			(8270E)	Hexachloroethane	ND	ug/L	0.97	1
03/17/22	19:26			(8270E)	Isophorone	ND	ug/L	0.39	1
03/17/22	19:26			(8270E)	Nitrobenzene	ND	ug/L	0.97	1
03/17/22	19:26			(8270E)	N-Nitroso-di-n-propylamine	ND	ug/L	0.39	1
03/17/22	19:26			(8270E)	N-Nitrosodiphenylamine	ND	ug/L	0.97	1
03/17/22	19:26			(8270E)	2-Fluorobiphenyl	76	%	1.9	1
03/17/22	19:26			(8270E)	2-Fluorophenol	43	%		1
03/17/22	19:26			(8270E)	Nitrobenzene-d5	73	%	1.9	1
03/17/22	19:26			(8270E)	Phenol-d6	27	%		1
03/17/22	19:26			(8270E)	p-Terphenyl-d14	95	%		1
EPA 524.2 - Volatile Organics by GCMS									
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,1,1-Trichloroethane	ND	ug/L	0.50	1

Rounding on totals after summation.
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Tel: (626) 386-1100
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 1 800 566 LABS (1 800 566 5227)

Report: 992225
 Project: SPECIAL
 Group: Customer Inquiry - Sheen

Honolulu Board of Water Supply
 Erwin Kawata
 630 South Beretania Street
 Public Service Bldg. Room 308
 Honolulu, HI 96843

Samples Received on:
 03/10/2022 1418

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,1,2-Trichloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,1-Dichloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,1-Dichloroethylene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,1-Dichloropropene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,2,3-Trichloropropane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,2-Dichloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,2-Dichloropropane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,3-Dichloropropane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	2,2-Dichloropropane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	2-Butanone (MEK)	ND	ug/L	5.0	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5.0	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Benzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Bromobenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Bromochloromethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Bromodichloromethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Bromoethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Bromoform	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Carbon disulfide	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Carbon Tetrachloride	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Chlorobenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Chlorodibromomethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Chloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Dibromomethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Dichlorodifluoromethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Dichloromethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Di-isopropyl ether	ND	ug/L	3.0	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Ethyl benzene	ND	ug/L	0.50	1

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Report: 992225
 Project: SPECIAL
 Group: Customer Inquiry - Sheen

Honolulu Board of Water Supply
 Erwin Kawata
 630 South Beretania Street
 Public Service Bldg. Room 308
 Honolulu, HI 96843

Samples Received on:
 03/10/2022 1418

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Hexachlorobutadiene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Isopropylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	m,p-Xylenes	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Methyl Tert-butyl ether (MTBE)	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Naphthalene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	n-Butylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	n-Propylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	o-Chlorotoluene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	o-Xylene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	p-Chlorotoluene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	p-Isopropyltoluene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	sec-Butylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Styrene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	tert-amyl Methyl Ether	ND	ug/L	3.0	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	tert-Butyl Ethyl Ether	ND	ug/L	3.0	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	tert-Butylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Toluene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Total 1,3-Dichloropropene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Total THM	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Total xylenes	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Trichloroethylene (TCE)	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Trichlorofluoromethane	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Trichlorotrifluoroethane(Freon 113)	ND	ug/L	0.50	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Vinyl chloride (VC)	ND	ug/L	0.30	1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	1,2-Dichloroethane-d4	106	%		1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	4-Bromofluorobenzene	97	%		1
03/14/22	03/14/22 21:53	1393574	1393770	(EPA 524.2)	Toluene-d8	92	%		1

Travel Blank C (202203100641)

Sampled on 03/09/2022 1010

SW 8015B - (SUB)Gas Fraction Hydrocarbons

03/11/22	03/11/22 22:29			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
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 Honolulu, HI 96843

Samples Received on:
 03/10/2022 1418

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
EPA 524.2 - Volatile Organics by GCMS									
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,1,1-Trichloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,1,2-Trichloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,1-Dichloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,1-Dichloroethylene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,1-Dichloropropene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,2,3-Trichloropropane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,2-Dichloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,2-Dichloropropane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,3-Dichloropropane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	2,2-Dichloropropane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	2-Butanone (MEK)	ND	ug/L	5.0	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5.0	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Benzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Bromobenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Bromochloromethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Bromodichloromethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Bromoethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Bromoform	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Carbon disulfide	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Carbon Tetrachloride	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Chlorobenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Chlorodibromomethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Chloroethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Dibromomethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Dichlorodifluoromethane	ND	ug/L	0.50	1

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Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Dichloromethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Di-isopropyl ether	ND	ug/L	3.0	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Ethyl benzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Hexachlorobutadiene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Isopropylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	m,p-Xylenes	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Methyl Tert-butyl ether (MTBE)	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Naphthalene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	n-Butylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	n-Propylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	o-Chlorotoluene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	o-Xylene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	p-Chlorotoluene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	p-Isopropyltoluene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	sec-Butylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Styrene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	tert-amyl Methyl Ether	ND	ug/L	3.0	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	tert-Butyl Ethyl Ether	ND	ug/L	3.0	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	tert-Butylbenzene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Toluene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Total 1,3-Dichloropropene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Total THM	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Total xylenes	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Trichloroethylene (TCE)	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Trichlorofluoromethane	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Trichlorotrifluoroethane(Freon 113)	ND	ug/L	0.50	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Vinyl chloride (VC)	ND	ug/L	0.30	1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	1,2-Dichloroethane-d4	113	%		1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	4-Bromofluorobenzene	97	%		1
03/14/22	03/14/22 22:16	1393574	1393770	(EPA 524.2)	Toluene-d8	97	%		1

Rounding on totals after summation.
 (c) - indicates calculated results. Analysis is a calculated result. Reported results are not rounded until the final step before reporting. Therefore methods that use a test result with further calculation may have slight differences in final result than the component analyses.



Eaton Analytical

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Laboratory QC Summary

Report: 992225
Project: SPECIAL
Group: Customer Inquiry - Sheen

Honolulu Board of Water Supply

Volatile Organics by GCMS

Prep Batch: 1393574 Analytical Batch: 1393770

202203100640 [REDACTED] Kaimalie St
202203100641 Travel Blank C

Analysis Date: 03/14/2022

Analyzed by: TG9W
Analyzed by: TG9W

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
Volatile Organics by GCMS by EPA 524.2									
Analytical Batch: 1393770					Analysis Date: 03/14/2022				
LCS1	1,1,1,2-Tetrachloroethane		5	5.76	ug/L	115	(70-130)		
LCS2	1,1,1,2-Tetrachloroethane		5	5.86	ug/L	117	(70-130)	20	1.7
MBLK	1,1,1,2 Tetrachloroethane			0.5	ug/L				
MRL_CHK	1,1,1,2-Tetrachloroethane		0.5	0.460	ug/L	92	(50-150)		
LCS1	1,1,1-Trichloroethane		5	4.88	ug/L	98	(70-130)		
LCS2	1,1,1-Trichloroethane		5	5.20	ug/L	104	(70-130)	20	6.3
MBLK	1,1,1-Trichloroethane			<0.5	ug/L				
MRL_CHK	1,1,1-Trichloroethane		0.5	0.490	ug/L	98	(50-150)		
LCS1	1,1,2,2-Tetrachloroethane		5	4.62	ug/L	92	(70-130)		
LCS2	1,1,2,2-Tetrachloroethane		5	5.18	ug/L	104	(70-130)	20	11
MBLK	1,1,2,2-Tetrachloroethane			<0.5	ug/L				
MRL_CHK	1,1,2,2-Tetrachloroethane		0.5	0.500	ug/L	100	(50-150)		
LCS1	1,1,2-Trichloroethane		5	4.65	ug/L	93	(70-130)		
LCS2	1,1,2-Trichloroethane		5	4.63	ug/L	93	(70-130)	20	0.43
MBLK	1,1,2-Trichloroethane			<0.5	ug/L				
MRL_CHK	1,1,2-Trichloroethane		0.5	0.530	ug/L	106	(50-150)		
LCS1	1,1-Dichloroethane		5	4.75	ug/L	95	(70-130)		
LCS2	1,1-Dichloroethane		5	5.04	ug/L	101	(70-130)	20	5.9
MBLK	1,1-Dichloroethane			<0.5	ug/L				
MRL_CHK	1,1-Dichloroethane		0.5	0.530	ug/L	106	(50-150)		
LCS1	1,1-Dichloroethylene		5	4.91	ug/L	98	(70-130)		
LCS2	1,1-Dichloroethylene		5	4.92	ug/L	98	(70-130)	20	0.20
MBLK	1,1-Dichloroethylene			<0.5	ug/L				
MRL_CHK	1,1-Dichloroethylene		0.5	0.570	ug/L	114	(50-150)		
LCS1	1,1-Dichloropropene		5	4.96	ug/L	99	(70-130)		
LCS2	1,1-Dichloropropene		5	5.16	ug/L	103	(70-130)	20	4.0
MBLK	1,1-Dichloropropene			<0.5	ug/L				
MRL_CHK	1,1-Dichloropropene		0.5	0.510	ug/L	102	(50-150)		
LCS1	1,2,3-Trichlorobenzene		5	4.48	ug/L	90	(70-130)		
LCS2	1,2,3-Trichlorobenzene		5	4.68	ug/L	94	(70-130)	20	4.4
MBLK	1,2,3-Trichlorobenzene			<0.5	ug/L				
MRL_CHK	1,2,3-Trichlorobenzene		0.5	0.600	ug/L	120	(50-150)		
LCS1	1,2,3-Trichloropropane		5	4.10	ug/L	82	(70-130)		
LCS2	1,2,3-Trichloropropane		5	4.95	ug/L	99	(70-130)	20	19
MBLK	1,2,3-Trichloropropane			<0.5	ug/L				

Spike recovery is already corrected for native results.
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 Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
 RPD not calculated for LCS2 when different a concentration than LCS1 is used.
 RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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Report: 992225
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Honolulu Board of Water Supply

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
MRL_CHK	1,2,3-Trichloropropane		0.5	0.570	ug/L	114	(50-150)		
LCS1	1,2,4-Trichlorobenzene		5	4.25	ug/L	85	(70-130)		
LCS2	1,2,4-Trichlorobenzene		5	4.66	ug/L	93	(70-130)	20	9.2
MBLK	1,2,4-Trichlorobenzene			<0.5	ug/L				
MRL_CHK	1,2,4-Trichlorobenzene		0.5	0.560	ug/L	112	(50-150)		
LCS1	1,2,4-Trimethylbenzene		5	4.55	ug/L	91	(70-130)		
LCS2	1,2,4-Trimethylbenzene		5	4.85	ug/L	97	(70-130)	20	6.4
MBLK	1,2,4-Trimethylbenzene			<0.5	ug/L				
MRL_CHK	1,2,4-Trimethylbenzene		0.5	0.530	ug/L	106	(50-150)		
LCS1	1,2-Dichloroethane		5	4.67	ug/L	93	(70-130)		
LCS2	1,2-Dichloroethane		5	5.15	ug/L	103	(70-130)	20	9.8
MBLK	1,2-Dichloroethane			<0.5	ug/L				
MRL_CHK	1,2-Dichloroethane		0.5	0.530	ug/L	106	(50-150)		
LCS1	1,2-Dichloroethane-d4 (S)		5	104	%	104	(70-130)		
LCS2	1,2-Dichloroethane-d4 (S)		5	104	%	104	(70-130)		
MBLK	1,2-Dichloroethane-d4 (S)			109	%	109	(70-130)		
MRL_CHK	1,2-Dichloroethane-d4 (S)		5	101	%	101	(70-130)		
MRLW	1,2-Dichloroethane-d4 (S)		5	101	%	101	(70-130)		
LCS1	1,2-Dichloropropane		5	4.47	ug/L	89	(70-130)		
LCS2	1,2-Dichloropropane		5	4.74	ug/L	95	(70-130)	20	5.9
MBLK	1,2-Dichloropropane			<0.5	ug/L				
MRL_CHK	1,2-Dichloropropane		0.5	0.490	ug/L	98	(50-150)		
LCS1	1,3,5-Trimethylbenzene		5	4.59	ug/L	92	(70-130)		
LCS2	1,3,5-Trimethylbenzene		5	5.07	ug/L	101	(70-130)	20	9.9
MBLK	1,3,5-Trimethylbenzene			<0.5	ug/L				
MRL_CHK	1,3,5-Trimethylbenzene		0.5	0.390	ug/L	78	(50-150)		
LCS1	1,3-Dichloropropane		5	4.59	ug/L	92	(70-130)		
LCS2	1,3-Dichloropropane		5	4.57	ug/L	91	(70-130)	20	0.44
MBLK	1,3-Dichloropropane			<0.5	ug/L				
MRL_CHK	1,3-Dichloropropane		0.5	0.480	ug/L	96	(50-150)		
LCS1	2,2-Dichloropropane		5	5.80	ug/L	116	(70-130)		
LCS2	2,2-Dichloropropane		5	5.81	ug/L	116	(70-130)	20	0.17
MBLK	2,2-Dichloropropane			<0.5	ug/L				
MRL_CHK	2,2-Dichloropropane		0.5	0.620	ug/L	124	(50-150)		
LCS1	2-Butanone (MEK)		50	44.1	ug/L	88	(70-130)		
LCS2	2-Butanone (MEK)		50	49.1	ug/L	98	(70-130)	20	11
MBLK	2-Butanone (MEK)			<5.0	ug/L				
MRL_CHK	2-Butanone (MEK)		5	6.07	ug/L	121	(50-150)		

Spike recovery is already corrected for native results.

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

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Report: 992225
 Project: SPECIAL
 Group: Customer Inquiry - Sheen

Honolulu Board of Water Supply

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
LCS1	4-Bromofluorobenzene (S)		5	95.6	%	96	(70-130)		
LCS2	4-Bromofluorobenzene (S)		5	100	%	100	(70-130)		
MBLK	4-Bromofluorobenzene (S)			97.0	%	97	(70-130)		
MRL_CHK	4-Bromofluorobenzene (S)		5	101	%	101	(70-130)		
MRLLW	4-Bromofluorobenzene (S)		5	93.8	%	94	(70-130)		
LCS1	4-Methyl-2-Pentanone (MIBK)		50	46.3	ug/L	93	(70-130)		
LCS2	4-Methyl-2-Pentanone (MIBK)		50	49.8	ug/L	100	(70-130)	20	7.3
MBLK	4-Methyl-2-Pentanone (MIBK)			<5.0	ug/L				
MRL_CHK	4-Methyl-2-Pentanone (MIBK)		5	4.39	ug/L	88	(50-150)		
LCS1	Benzene		5	4.73	ug/L	95	(70-130)		
LCS2	Benzene		5	5.01	ug/L	100	(70-130)	20	5.8
MBLK	Benzene			<0.5	ug/L				
MRL_CHK	Benzene		0.5	0.510	ug/L	102	(50-150)		
LCS1	Bromobenzene		5	3.92	ug/L	78	(70-130)		
LCS2	Bromobenzene		5	4.40	ug/L	88	(70-130)	20	12
MBLK	Bromobenzene			<0.5	ug/L				
MRL_CHK	Bromobenzene		0.5	0.440	ug/L	88	(50-150)		
LCS1	Bromochloromethane		5	4.51	ug/L	90	(70-130)		
LCS2	Bromochloromethane		5	4.95	ug/L	99	(70-130)	20	9.3
MBLK	Bromochloromethane			<0.5	ug/L				
MRL_CHK	Bromochloromethane		0.5	0.560	ug/L	112	(50-150)		
LCS1	Bromodichloromethane		5	4.88	ug/L	98	(70-130)		
LCS2	Bromodichloromethane		5	5.19	ug/L	104	(70-130)	20	6.2
MBLK	Bromodichloromethane			<0.5	ug/L				
MRL_CHK	Bromodichloromethane		0.5	0.510	ug/L	102	(50-150)		
LCS1	Bromoethane		5	5.71	ug/L	114	(70-130)		
LCS2	Bromoethane		5	5.77	ug/L	115	(70-130)	20	1.1
MBLK	Bromoethane			<0.5	ug/L				
MRL_CHK	Bromoethane		0.5	0.510	ug/L	102	(50-150)		
LCS1	Bromoform		5	5.16	ug/L	103	(70-130)		
LCS2	Bromoform		5	6.13	ug/L	123	(70-130)	20	17
MBLK	Bromoform			<0.5	ug/L				
MRL_CHK	Bromoform		0.5	0.560	ug/L	112	(50-150)		
LCS1	Bromomethane (Methyl Bromide)		5	4.24	ug/L	85	(70-130)		
LCS2	Bromomethane (Methyl Bromide)		5	4.83	ug/L	97	(70-130)	20	13
MBLK	Bromomethane (Methyl Bromide)			<0.5	ug/L				
MRL_CHK	Bromomethane (Methyl Bromide)		0.5	0.540	ug/L	108	(50-150)		
LCS1	Carbon disulfide		5	5.16	ug/L	103	(70-130)		

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
LCS2	Carbon disulfide		5	5.36	ug/L	107	(70-130)	20	3.8
MBLK	Carbon disulfide			<0.5	ug/L				
MRL_CHK	Carbon disulfide		0.5	0.440	ug/L	88	(50-150)		
LCS1	Carbon Tetrachloride		5	5.36	ug/L	107	(70-130)		
LCS2	Carbon Tetrachloride		5	5.63	ug/L	113	(70-130)	20	4.9
MBLK	Carbon Tetrachloride			<0.5	ug/L				
MRL_CHK	Carbon Tetrachloride		0.5	0.500	ug/L	100	(50-150)		
LCS1	Chlorobenzene		5	4.68	ug/L	94	(70-130)		
LCS2	Chlorobenzene		5	4.89	ug/L	98	(70-130)	20	4.4
MBLK	Chlorobenzene			<0.5	ug/L				
MRL_CHK	Chlorobenzene		0.5	0.410	ug/L	82	(50-150)		
LCS1	Chlorodibromomethane		5	4.85	ug/L	97	(70-130)		
LCS2	Chlorodibromomethane		5	5.03	ug/L	101	(70-130)	20	3.6
MBLK	Chlorodibromomethane			<0.5	ug/L				
MRL_CHK	Chlorodibromomethane		0.5	0.450	ug/L	90	(50-150)		
LCS1	Chloroethane		5	4.00	ug/L	80	(70-130)		
LCS2	Chloroethane		5	4.31	ug/L	86	(70-130)	20	7.5
MBLK	Chloroethane			<0.5	ug/L				
MRL_CHK	Chloroethane		0.5	0.480	ug/L	96	(50-150)		
LCS1	Chloroform (Trichloromethane)		5	4.60	ug/L	92	(70-130)		
LCS2	Chloroform (Trichloromethane)		5	4.99	ug/L	100	(70-130)	20	8.1
MBLK	Chloroform (Trichloromethane)			<0.5	ug/L				
MRL_CHK	Chloroform (Trichloromethane)		0.5	0.520	ug/L	104	(50-150)		
LCS1	Chloromethane(Methyl Chloride)		5	3.94	ug/L	79	(70-130)		
LCS2	Chloromethane(Methyl Chloride)		5	3.85	ug/L	77	(70-130)	20	2.3
MBLK	Chloromethane(Methyl Chloride)			<0.5	ug/L				
MRL_CHK	Chloromethane(Methyl Chloride)		0.5	0.570	ug/L	114	(50-150)		
LCS1	cis-1,2-Dichloroethylene		5	4.61	ug/L	92	(70-130)		
LCS2	cis-1,2-Dichloroethylene		5	4.88	ug/L	98	(70-130)	20	5.7
MBLK	cis-1,2-Dichloroethylene			<0.5	ug/L				
MRL_CHK	cis-1,2-Dichloroethylene		0.5	0.520	ug/L	104	(50-150)		
LCS1	cis-1,3-Dichloropropene		5	4.64	ug/L	93	(70-130)		
LCS2	cis-1,3-Dichloropropene		5	5.08	ug/L	102	(70-130)	20	9.1
MBLK	cis-1,3-Dichloropropene			<0.5	ug/L				
MRL_CHK	cis-1,3-Dichloropropene		0.5	0.470	ug/L	94	(50-150)		
LCS1	Dibromomethane		5	4.72	ug/L	94	(70-130)		
LCS2	Dibromomethane		5	4.94	ug/L	99	(70-130)	20	4.5
MBLK	Dibromomethane			<0.5	ug/L				

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
MRL_CHK	Dibromomethane		0.5	0.550	ug/L	110	(50-150)		
LCS1	Dichlorodifluoromethane		5	3.99	ug/L	80	(70-130)		
LCS2	Dichlorodifluoromethane		5	4.04	ug/L	81	(70-130)	20	1.3
MBLK	Dichlorodifluoromethane			<0.5	ug/L				
MRL_CHK	Dichlorodifluoromethane		0.5	0.500	ug/L	100	(50-150)		
LCS1	Dichloromethane		5	4.67	ug/L	93	(70-130)		
LCS2	Dichloromethane		5	4.96	ug/L	99	(70-130)	20	6.0
MBLK	Dichloromethane			<0.5	ug/L				
MRL_CHK	Dichloromethane		0.5	0.550	ug/L	110	(50-150)		
LCS1	Di-isopropyl ether		5	4.66	ug/L	93	(70-130)		
LCS2	Di-isopropyl ether		5	5.00	ug/L	100	(70-130)	20	7.0
MBLK	Di-isopropyl ether			<3.0	ug/L				
MRL_CHK	Di-isopropyl ether		0.5	0.520	ug/L	104	(50-150)		
LCS1	Ethyl benzene		5	4.47	ug/L	89	(70-130)		
LCS2	Ethyl benzene		5	4.58	ug/L	92	(70-130)	20	2.4
MBLK	Ethyl benzene			<0.5	ug/L				
MRL_CHK	Ethyl benzene		0.5	0.410	ug/L	82	(50-150)		
LCS1	Hexachlorobutadiene		5	4.80	ug/L	96	(70-130)		
LCS2	Hexachlorobutadiene		5	5.01	ug/L	100	(70-130)	20	4.3
MBLK	Hexachlorobutadiene			<0.5	ug/L				
MRL_CHK	Hexachlorobutadiene		0.5	0.480	ug/L	96	(50-150)		
LCS1	Isopropylbenzene		5	4.48	ug/L	90	(70-130)		
LCS2	Isopropylbenzene		5	4.98	ug/L	100	(70-130)	20	11
MBLK	Isopropylbenzene			<0.5	ug/L				
MRL_CHK	Isopropylbenzene		0.5	0.430	ug/L	86	(50-150)		
LCS1	m,p-Xylenes		10	9.25	ug/L	93	(70-130)		
LCS2	m,p-Xylenes		10	9.61	ug/L	96	(70-130)	20	3.8
MBLK	m,p-Xylenes			<0.5	ug/L				
MRL_CHK	m,p-Xylenes		1	0.780	ug/L	78	(50-150)		
MRLLW	m,p-Xylenes		0.5	0.410	ug/L	82	(50-150)		
LCS1	m-Dichlorobenzene (1,3-DCB)		5	4.05	ug/L	81	(70-130)		
LCS2	m-Dichlorobenzene (1,3-DCB)		5	4.51	ug/L	90	(70-130)	20	11
MBLK	m-Dichlorobenzene (1,3-DCB)			<0.5	ug/L				
MRL_CHK	m-Dichlorobenzene (1,3-DCB)		0.5	0.420	ug/L	84	(50-150)		
LCS1	Methyl Tert-butyl ether (MTBE)		5	4.91	ug/L	98	(70-130)		
LCS2	Methyl Tert-butyl ether (MTBE)		5	5.34	ug/L	107	(70-130)	20	8.4
MBLK	Methyl Tert-butyl ether (MTBE)			<0.5	ug/L				
MRL_CHK	Methyl Tert-butyl ether (MTBE)		0.5	0.530	ug/L	106	(50-150)		

Spike recovery is already corrected for native results.
 Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
 Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
 RPD not calculated for LCS2 when different a concentration than LCS1 is used.
 RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
 (S) - Indicates surrogate compound.
 (I) - Indicates internal standard compound.

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Report: 992225
 Project: SPECIAL
 Group: Customer Inquiry - Sheen

Honolulu Board of Water Supply

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
LCS1	Naphthalene		5	4.57	ug/L	91	(70-130)		
LCS2	Naphthalene		5	4.85	ug/L	97	(70-130)	20	5.9
MBLK	Naphthalene			<0.5	ug/L				
MRL_CHK	Naphthalene		0.5	0.460	ug/L	92	(50-150)		
LCS1	n-Butylbenzene		5	4.63	ug/L	93	(70-130)		
LCS2	n-Butylbenzene		5	4.82	ug/L	96	(70-130)	20	4.0
MBLK	n-Butylbenzene			<0.5	ug/L				
MRL_CHK	n-Butylbenzene		0.5	0.460	ug/L	92	(50-150)		
LCS1	n-Propylbenzene		5	4.66	ug/L	93	(70-130)		
LCS2	n-Propylbenzene		5	5.04	ug/L	101	(70-130)	20	7.8
MBLK	n-Propylbenzene			<0.5	ug/L				
MRL_CHK	n-Propylbenzene		0.5	0.470	ug/L	94	(50-150)		
LCS1	o-Chlorotoluene		5	4.24	ug/L	85	(70-130)		
LCS2	o-Chlorotoluene		5	4.82	ug/L	96	(70-130)	20	13
MBLK	o-Chlorotoluene			<0.5	ug/L				
MRL_CHK	o-Chlorotoluene		0.5	0.480	ug/L	96	(50-150)		
LCS1	o-Dichlorobenzene (1,2-DCB)		5	4.51	ug/L	90	(70-130)		
LCS2	o-Dichlorobenzene (1,2-DCB)		5	4.84	ug/L	97	(70-130)	20	7.1
MBLK	o-Dichlorobenzene (1,2-DCB)			<0.5	ug/L				
MRL_CHK	o-Dichlorobenzene (1,2-DCB)		0.5	0.500	ug/L	100	(50-150)		
LCS1	o-Xylene		5	5.08	ug/L	102	(70-130)		
LCS2	o-Xylene		5	5.15	ug/L	103	(70-130)	20	1.4
MBLK	o-Xylene			<0.5	ug/L				
MRL_CHK	o-Xylene		0.5	0.440	ug/L	88	(50-150)		
LCS1	p-Chlorotoluene		5	4.19	ug/L	84	(70-130)		
LCS2	p-Chlorotoluene		5	4.66	ug/L	93	(70-130)	20	11
MBLK	p-Chlorotoluene			<0.5	ug/L				
MRL_CHK	p-Chlorotoluene		0.5	0.450	ug/L	90	(50-150)		
LCS1	p-Dichlorobenzene (1,4-DCB)		5	4.14	ug/L	83	(70-130)		
LCS2	p-Dichlorobenzene (1,4-DCB)		5	4.90	ug/L	98	(70-130)	20	17
MBLK	p-Dichlorobenzene (1,4-DCB)			<0.5	ug/L				
MRL_CHK	p-Dichlorobenzene (1,4-DCB)		0.5	0.460	ug/L	92	(50-150)		
LCS1	p-Isopropyltoluene		5	4.67	ug/L	93	(70-130)		
LCS2	p-Isopropyltoluene		5	5.13	ug/L	103	(70-130)	20	9.4
MBLK	p-Isopropyltoluene			<0.5	ug/L				
MRL_CHK	p-Isopropyltoluene		0.5	0.550	ug/L	110	(50-150)		
LCS1	sec-Butylbenzene		5	4.69	ug/L	94	(70-130)		
LCS2	sec-Butylbenzene		5	5.25	ug/L	105	(70-130)	20	11

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

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Report: 992225
 Project: SPECIAL
 Group: Customer Inquiry - Sheen

Honolulu Board of Water Supply

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
MBLK	sec-Butylbenzene			<0.5	ug/L				
MRL_CHK	sec-Butylbenzene		0.5	0.500	ug/L	100	(50-150)		
LCS1	Styrene		5	4.78	ug/L	96	(70-130)		
LCS2	Styrene		5	4.82	ug/L	96	(70-130)	20	0.83
MBLK	Styrene			<0.5	ug/L				
MRL_CHK	Styrene		0.5	0.390	ug/L	78	(50-150)		
LCS1	tert-amyl Methyl Ether		5	5.53	ug/L	111	(70-130)		
LCS2	tert-amyl Methyl Ether		5	5.78	ug/L	116	(70-130)	20	4.4
MBLK	tert-amyl Methyl Ether			<3.0	ug/L				
MRL_CHK	tert-amyl Methyl Ether		0.5	0.520	ug/L	104	(50-150)		
LCS1	tert-Butyl Ethyl Ether		5	4.86	ug/L	97	(70-130)		
LCS2	tert-Butyl Ethyl Ether		5	5.20	ug/L	104	(70-130)	20	6.8
MBLK	tert-Butyl Ethyl Ether			<3.0	ug/L				
MRL_CHK	tert-Butyl Ethyl Ether		0.5	0.550	ug/L	110	(50-150)		
LCS1	tert-Butylbenzene		5	4.82	ug/L	96	(70-130)		
LCS2	tert-Butylbenzene		5	5.36	ug/L	107	(70-130)	20	11
MBLK	tert-Butylbenzene			<0.5	ug/L				
MRL_CHK	tert-Butylbenzene		0.5	0.440	ug/L	88	(50-150)		
LCS1	Tetrachloroethylene (PCE)		5	4.62	ug/L	92	(70-130)		
LCS2	Tetrachloroethylene (PCE)		5	4.87	ug/L	97	(70-130)	20	5.3
MBLK	Tetrachloroethylene (PCE)			<0.5	ug/L				
MRL_CHK	Tetrachloroethylene (PCE)		0.5	0.470	ug/L	94	(50-150)		
LCS1	Toluene		5	4.42	ug/L	88	(70-130)		
LCS2	Toluene		5	4.84	ug/L	97	(70-130)	20	9.1
MBLK	Toluene			<0.5	ug/L				
MRL_CHK	Toluene		0.5	0.430	ug/L	86	(50-150)		
LCS1	Toluene-d8 (S)		5	101	%	101	(70-130)		
LCS2	Toluene-d8 (S)		5	97.2	%	97	(70-130)		
MBLK	Toluene-d8 (S)			95.6	%	96	(70-130)		
MRL_CHK	Toluene-d8 (S)		5	95.4	%	95	(70-130)		
MRLLW	Toluene-d8 (S)		5	92.2	%	92	(70-130)		
LCS1	trans-1,2-Dichloroethylene		5	4.68	ug/L	94	(70-130)		
LCS2	trans-1,2-Dichloroethylene		5	4.93	ug/L	99	(70-130)	20	5.2
MBLK	trans-1,2-Dichloroethylene			<0.5	ug/L				
MRL_CHK	trans-1,2-Dichloroethylene		0.5	0.500	ug/L	100	(50-150)		
LCS1	trans-1,3-Dichloropropene		5	5.83	ug/L	117	(70-130)		
LCS2	trans-1,3-Dichloropropene		5	5.94	ug/L	119	(70-130)	20	1.9
MBLK	trans-1,3-Dichloropropene			<0.5	ug/L				

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

Honolulu Board of Water Supply

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
MRL_CHK	trans-1,3-Dichloropropene		0.5	0.530	ug/L	106	(50-150)		
LCS1	Trichloroethylene (TCE)		5	4.67	ug/L	93	(70-130)		
LCS2	Trichloroethylene (TCE)		5	4.98	ug/L	100	(70-130)	20	6.4
MBLK	Trichloroethylene (TCE)			<0.5	ug/L				
MRL_CHK	Trichloroethylene (TCE)		0.5	0.520	ug/L	104	(50-150)		
LCS1	Trichlorofluoromethane		5	4.33	ug/L	87	(70-130)		
LCS2	Trichlorofluoromethane		5	4.67	ug/L	93	(70-130)	20	7.6
MBLK	Trichlorofluoromethane			<0.5	ug/L				
MRL_CHK	Trichlorofluoromethane		0.5	0.450	ug/L	90	(50-150)		
LCS1	Trichlorotrifluoroethane(Freon)		5	4.94	ug/L	99	(70-130)		
LCS2	Trichlorotrifluoroethane(Freon)		5	5.04	ug/L	101	(70-130)	20	2.0
MBLK	Trichlorotrifluoroethane(Freon)			<0.5	ug/L				
MRL_CHK	Trichlorotrifluoroethane(Freon)		0.5	0.470	ug/L	94	(50-150)		
LCS1	Vinyl chloride (VC)		5	4.51	ug/L	90	(70-130)		
LCS2	Vinyl chloride (VC)		5	4.43	ug/L	89	(70-130)	20	1.8
MBLK	Vinyl chloride (VC)			<0.3	ug/L				
MRL_CHK	Vinyl chloride (VC)		0.5	0.510	ug/L	102	(50-150)		
MRLW	Vinyl chloride (VC)		0.25	0.310	ug/L	124	(50-150)		

Spike recovery is already corrected for native results.
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 RPD not calculated for LCS2 when different a concentration than LCS1 is used.
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Eaton Analytical

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Laboratory Hits

Report: 992225
Project: SPECIAL
Group: Customer Inquiry - Sheen

Honolulu Board of Water Supply
Erwin Kawata
630 South Beretania Street
Public Service Bldg." Room 308
Honolulu, HI 96843

Samples Received on:
03/10/2022 1418

Analyzed	Analyte	Sample ID	Result	HI Limit	Units	MRL
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SUMMARY OF POSITIVE DATA ONLY



3051 Fujita Street
Torrance, CA 90505
Tel: (310)-618-8889

Date: 03-21-2022
EMAX Batch No.: 22C141

Attn: Jackie Contreras

Eurofins Eaton Analytical
750 Royal Oaks Dr., Suite 100
Monrovia, CA 91016-3629

Subject: Laboratory Report
Project: 992225

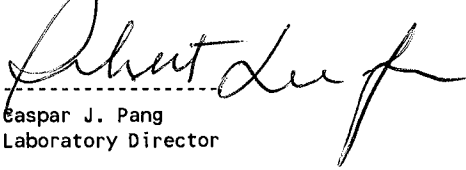
Enclosed is the Laboratory report for samples received on 03/11/22.
The data reported relate only to samples listed below :

Sample ID	Control #	Col Date	Matrix	Analysis
202203100640	C141-01	03/09/22	WATER	TPH GASOLINE TPH DIESEL & MOTOR OIL
202203100641	C141-02	03/09/22	WATER	TPH GASOLINE

The results are summarized on the following pages.

Please feel free to call if you have any questions concerning these results.

Sincerely yours,


Gaspar J. Pang
Laboratory Director

This report is confidential and intended solely for the use of the individual or entity to whom it is addressed. This report shall not be reproduced except in full or without the written approval of EMAX.

EMAX certifies that results included in this report meets all TNI & DOD requirements unless noted in the Case Narrative.

NELAP Accredited Certificate Number CA002912021-19
ANAB Accredited DoD ELAP and ISO/IEC 17025 Certificate Number L2278 Testing
California ELAP Accredited Certificate Number 2672



Eaton Analytical

Ship To:
EMAX Laboratories, Inc.
3051 Fujita St.
Torrance, CA 90505

Phone: 310-618-8889 Fax: 310-618-0818

Folder #: 992225 Report Due: 03/15/2022

Sample ID: 202203100640
Client Sample ID for reference on/ Kaimalie St

Method: SW 8015B EPA 5030C
SW 8015B EPA 3550B

Sample type: SW 8015B
Prep Method: EPA 5030C
EPA 3550B

Analysis Requested: (SUB)Gas Fraction Hydrocarbons
TPH 8015 Diesel and Motor Oil

Sample ID: 202203100641
Client Sample ID for reference on/ Travel Blank C

Method: SW 8015B
Prep Method: EPA 5030C

Analysis Requested: (SUB)Gas Fraction Hydrocarbons

Submittal Form 22C141 Date: 3/11/2022

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers!
Report & Invoice must have the Folder # 992225 Job # 1000014

Report all quality control data according to Method. Include dates analyzed, Date extracted (if extracted) and Method reference on the report.
Results must have Complete data & QC with Approval Signature.

Reports: Jackie Contreras Sub-Contracting Administrator
EMAIL TO: Eaton-MonroviaSubContract@eurofinset.com
Eurofins Eaton Analytical, LLC 750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
Phone (626) 386-1165 Fax (626) 386-1122
Invoices to: Eurofins Eaton Analytical, LLC
Accounts Payable 2425 New Holland Pike, Lancaster, PA 17605

Provide in each Report the
Specified State Certification # and
Exp Date for requested tests + matrix.
Samples from: HAWAII

2-3 day rush

Sample Date & Time Matrix Clip Code PWSID JLS
03/09/22 1010 DW

Sample Point ID: Static ID: [REDACTED]

Sample Date & Time Matrix Clip Code PWSID JLS
03/09/22 1010 DW

Sample Point ID: Static ID: [REDACTED]

Relinquished by: [Signature] Sample Control

Received by: [Signature] Date 3/11/22 Time 11:39

Relinquished by: Sample Control

Received by: Date Date Time Time

Date 3/11/22 Time 11:39

Date 3/11/22 Time 11:39

Temp: 0 2.7°/2.2°
3 3.3°/2.0°

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

Type of Delivery	Airbill / Tracking Number	ECN <u>22C141</u>
<input type="checkbox"/> Fedex <input type="checkbox"/> UPS <input type="checkbox"/> GSO <input type="checkbox"/> Others		Recipient <u>Maria Rivera</u>
<input type="checkbox"/> EMAX Courier <input checked="" type="checkbox"/> Client Delivery		Date <u>03/11/22</u> Time <u>11:39</u>

COC INSPECTION

<input checked="" type="checkbox"/> Client Name	<input checked="" type="checkbox"/> Client PM/FC	<input type="checkbox"/> Sampler Name	<input checked="" type="checkbox"/> Sampling Date/Time	<input checked="" type="checkbox"/> Sample ID	<input type="checkbox"/> Matrix
<input type="checkbox"/> Address	<input checked="" type="checkbox"/> Tel # / Fax #	<input type="checkbox"/> Courier Signature	<input checked="" type="checkbox"/> Analysis Required	<input type="checkbox"/> Preservative (if any)	<input checked="" type="checkbox"/> TAT
Safety Issues (if any)	<input type="checkbox"/> High concentrations expected	<input type="checkbox"/> From Superfund Site	<input type="checkbox"/> Rad screening required		

Note: _____

PACKAGING INSPECTION

Container	<input checked="" type="checkbox"/> Cooler	<input type="checkbox"/> Box	<input type="checkbox"/> Other
Condition	<input type="checkbox"/> Custody Seal	<input type="checkbox"/> Intact	<input type="checkbox"/> Damaged
Packaging <u>Correction</u>	<input checked="" type="checkbox"/> Bubble Pack	<input type="checkbox"/> Styrofoam	<input type="checkbox"/> Popcorn
Temperatures <u>factor -0.5</u>	<input checked="" type="checkbox"/> Cooler <u>1.7/2.2</u> °C	<input type="checkbox"/> Cooler 2 _____°C	<input checked="" type="checkbox"/> Cooler 3 <u>3.3/2.8</u> °C
(Cool, ≤6 °C but not frozen)	<input type="checkbox"/> Cooler 6 _____°C	<input type="checkbox"/> Cooler 7 _____°C	<input type="checkbox"/> Cooler 4 _____°C
Thermometer: <u>A - S/N _____</u>	<input type="checkbox"/> Cooler 8 _____°C	<input checked="" type="checkbox"/> S/N <u>210271399</u>	<input type="checkbox"/> Cooler 9 _____°C
	<input type="checkbox"/> B - S/N _____		<input type="checkbox"/> Cooler 10 _____°C
			<input type="checkbox"/> D - S/N _____

Comments: Temperature is out of range. PM was informed IMMEDIATELY.

Note: _____

DISCREPANCIES

LabSampleID	LabSampleContainerID	Code	ClientSample Label ID / Information	Corrective Action
1	4,5	D2	Jet Fuel 5 is also listed on label	R8
2	6,7	D7	two dates listed on label: 10/1/21 and 03/09/22	R1

pH holding time requirement for water samples is 15 mins. Water samples for pH analysis are received beyond 15 minutes from sampling time.

NOTES/OBSERVATIONS:

SAMPLE MATRIX IS DRINKING WATER? YES NO

LEGEND:

Code Description- Sample Management

- D1 Analysis is not indicated in _____
- D2 Analysis mismatch COC vs label
- D3 Sample ID mismatch COC vs label
- D4 Sample ID is not indicated in _____
- D5 Container -[improper] [leaking] [broken]
- D6 Date/Time is not indicated in _____
- D7 (Date)/Time mismatch COC vs label
- D8 Sample listed in COC is not received
- D9 Sample received is not listed in COC
- D10 No initial/date on corrections in COC/label
- D11 Container count mismatch COC vs received
- D12 Container size mismatch COC vs received

Code Description-Sample Management

- D13 Out of Holding Time
- D14 Bubble is >6mm
- D15 No trip blank in cooler
- D16 Preservation not indicated in _____
- D17 Preservation mismatch COC vs label
- D18 Insufficient chemical preservative
- D19 Insufficient Sample
- D20 No filtration info for dissolved analysis
- D21 No sample for moisture determination
- D22 _____
- D23 _____
- D24 _____

Continue to next page.

Code Description-Sample Management

- R1 Proceed as indicated in COC Label
- R2 Refer to attached instruction
- R3 Cancel the analysis
- R4 Use vial with smallest bubble first
- R5 Log-in with latest sampling date and time+1 min
- R6 Adjust pH as necessary
- R7 Filter and preserved as necessary
- R8 Informed Client
- R9 _____
- R10 _____
- R11 _____
- R12 _____

REVIEWS:

Sample Labeling

Date 03/11/22

Jocelyne Solis-Ramos
3/11/22

SRF

Date 3/11/22

Ceylan
3/11/22

PM

Date 3/14/22

MS
3/14/22

REPORTING CONVENTIONS

DATA QUALIFIERS:

Lab Qualifier	AFCEE Qualifier	Description
J	F	Indicates that the analyte is positively identified and the result is less than RL but greater than MDL.
N		Indicates presumptive evidence of a compound.
B	B	Indicates that the analyte is found in the associated method blank as well as in the sample at above QC level.
E	J	Indicates that the result is above the maximum calibration range or estimated value.
*	*	Out of QC limit.

Note: The above qualifiers are used to flag the results unless the project requires a different set of qualification criteria.

ACRONYMS AND ABBREVIATIONS:

CRDL	Contract Required Detection Limit
RL	Reporting Limit
MRL	Method Reporting Limit
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
DO	Diluted out

DATES

The date and time information for leaching and preparation reflect the beginning date and time of the procedure unless the method, protocol, or project specifically requires otherwise.

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

992225

METHOD 5030B/8015B
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

SDG#: 22C141

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 992225

SDG : 22C141

METHOD 5030B/8015B TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

A total of two(2) water samples were received on 03/11/22 to be analyzed for Total Petroleum Hydrocarbons by Purge and Trap in accordance with Method 5030B/8015B and project specific requirements.

Holding Time

Samples were analyzed within the prescribed holding time.

Calibration

Multi-calibration points were generated to establish initial calibration (ICAL). ICAL was verified using a secondary source (ICV). Continuing calibration (CCV) verifications were carried out on a frequency specified by the project. All calibration requirements were within acceptance criteria. Refer to calibration summary forms of ICAL, ICV and CCV for details. MRL was analyzed as required by the project. Refer to MRL summary form for details.

Method Blank

Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. VG39C03B - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample

Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of LCS/LCD was analyzed. VG39C03L/VG39C03C were within LCS limits. Refer to LCS summary form for details.

Matrix QC Sample

Matrix spike sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of MS/MSD was analyzed. Gasoline was within MS QC limits in C139-02M/C139-02S. Refer to Matrix QC summary form for details.

Surrogate

Surrogate was added on QC and field samples. All surrogate recoveries were within QC limits. Refer to sample result summary forms for details.

Sample Analysis

Samples were analyzed according to prescribed analytical procedures. Results were evaluated in accordance to project requirements. For this SDG, all quality control requirements were met.

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

```

=====
Client      : EUROFINS EATON ANALYTICAL
Project     : 992225
=====
SDG NO.    : 22C141
Instrument ID : GCT039
=====

```

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER		Extraction Date/Time	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
				Analysis Date/Time	Extraction Date/Time					
MBLK1W	VG39C03B	1	NA	03/11/2215:48	03/11/2215:48	EC11005A	EC11003A	EC11003A	22VG39C03	Method Blank
LCS1W	VG39C03L	1	NA	03/11/2216:24	03/11/2216:24	EC11006A	EC11003A	EC11003A	22VG39C03	Lab Control Sample (LCS)
LCD1W	VG39C03C	1	NA	03/11/2217:01	03/11/2217:01	EC11007A	EC11003A	EC11003A	22VG39C03	LCS Duplicate
202203100640	C141-01	1	NA	03/11/2221:52	03/11/2221:52	EC11015A	EC11014A	EC11014A	22VG39C03	Field Sample
202203100641	C141-02	1	NA	03/11/2222:29	03/11/2222:29	EC11016A	EC11014A	EC11014A	22VG39C03	Field Sample

```

FN      - Filename
% Moist - Percent Moisture

```


SAMPLE RESULTS

METHOD 5030B/8015B
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

=====
Client : EUROFINS EATON ANALYTICAL Date Collected: 03/09/22 10:10
Project : 992225 Date Received: 03/11/22
Batch No. : 22C141 Date Extracted: 03/11/22 21:52
Sample ID : 202203100640 Date Analyzed: 03/11/22 21:52
Lab Samp ID: C141-01 Dilution Factor: 1
Lab File ID: EC11015A Matrix: WATER
Ext Btch ID: 22VG39C03 % Moisture: NA
Calib. Ref.: EC11014A Instrument ID: 39
=====

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0307	0.0400	77	60-140

Notes:

Parameter H-C Range
Gasoline C6-C10

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 5ml Final Volume : 5ml
Prepared by : SCerva Analyzed by : SCerva

METHOD 5030B/8015B
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/09/22 10:10
Project     : 992225                     Date Received: 03/11/22
Batch No.   : 22C141                     Date Extracted: 03/11/22 22:29
Sample ID   : 202203100641              Date Analyzed: 03/11/22 22:29
Lab Samp ID: C141-02                     Dilution Factor: 1
Lab File ID: EC11016A                    Matrix: WATER
Ext Btch ID: 22VG39C03                    % Moisture: NA
Calib. Ref.: EC11014A                    Instrument ID: 39
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0305	0.0400	76	60-140

Notes:

Parameter H-C Range
Gasoline C6-C10
Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.
Sample Amount : 5ml Final Volume : 5ml
Prepared by : SCerva Analyzed by : SCerva

QC SUMMARIES

METHOD 5030B/8015B
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/11/22 15:48
Project     : 992225                      Date Received: 03/11/22
Batch No.   : 22C141                      Date Extracted: 03/11/22 15:48
Sample ID   : MBLK1W                      Date Analyzed: 03/11/22 15:48
Lab Samp ID: VG39C03B                    Dilution Factor: 1
Lab File ID: EC11005A                    Matrix: WATER
Ext Btch ID: 22VG39C03                  % Moisture: NA
Calib. Ref.: EC11003A                  Instrument ID: 39
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)		
GASOLINE	ND	0.020	0.010		
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT	
Bromofluorobenzene	0.0316	0.0400	79	60-140	

Notes:

Parameter H-C Range
Gasoline C6-C10
Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.
Sample Amount : 5ml Final Volume : 5ml
Prepared by : SCerva Analyzed by : SCerva

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 992225
BATCH NO. : 22C141
METHOD : 5030B/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : MBLK1W                             LCS1W       LCD1W
LAB SAMPLE ID : VG39C03B                         VG39C03L    VG39C03C
LAB FILE ID  : EC11005A                         EC11006A    EC11007A
DATE PREPARED : 03/11/22 15:48                 03/11/22 16:24 03/11/22 17:01
DATE ANALYZED : 03/11/22 15:48                 03/11/22 16:24 03/11/22 17:01
PREP BATCH   : 22VG39C03                       22VG39C03   22VG39C03
CALIBRATION REF: EC11003A                       EC11003A    EC11003A
  
```

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Gasoline	ND	0.500	0.455	91	0.500	0.439	88	4	60-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0405	101	0.0400	0.0424	106	70-130

MB: Method Blank sample LCS: Lab Control Sample LCD: Lab Control Sample Duplicate

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 992222
BATCH NO. : 22C139
METHOD : 5030B/8015B

MATRIX	: WATER		% MOISTURE:NA
DILUTION FACTOR:	1	1	1
SAMPLE ID	: 202203100636	202203100636MS	202203100636MSD
LAB SAMPLE ID	: C139-02	C139-02M	C139-02S
LAB FILE ID	: EC11009A	EC11010A	EC11011A
DATE PREPARED	: 03/11/22 18:14	03/11/22 18:50	03/11/22 19:27
DATE ANALYZED	: 03/11/22 18:14	03/11/22 18:50	03/11/22 19:27
PREP BATCH	: 22VG39C03	22VG39C03	22VG39C03
CALIBRATION REF:	EC11003A	EC11003A	EC11003A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Gasoline	ND	0.500	0.495	99	0.500	0.509	102	3	50-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0398	100	0.0400	0.0427	107	60-140

PS: Parent Sample MS: Matrix Spike MSD: Matrix Spike Duplicate

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

992225

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22C141

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 992225

SDG : 22C141

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 03/11/22 to be analyzed for Total Petroleum Hydrocarbons by Extraction in accordance with Method 3520C/8015B and project specific requirements.

Holding Time

The sample was analyzed within the prescribed holding time.

Calibration

Multi-calibration points were generated to establish initial calibration (ICAL). ICAL was verified using a secondary source (ICV). Continuing calibration (CCV) verifications were carried out on a frequency specified by the project. All calibration requirements were within acceptance criteria. Refer to calibration summary forms of ICAL, ICV and CCV for details. MRL was analyzed as required by the project. Refer to MRL summary form for details.

Method Blank

Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. DSC018WB - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample

Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) LCS was analyzed. Percent recovery for Diesel was within LCS QC limits in DSC018WL. Refer to LCS summary form for details.

Matrix QC Sample

No matrix QC sample was provided on this SDG. One(1) set of MS/MSD was analyzed. Diesel was within MS QC limits in 22C121-01M/22C121-01S. Refer to Matrix QC summary form for details.

Surrogate

Surrogates were added on QC and field samples. All surrogate recoveries were within QC limits. Refer to sample result summary forms for details.

Sample Analysis

The sample was analyzed according to prescribed analytical procedures. Results were evaluated in accordance to project requirements. For this SDG, all quality control requirements were met.

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL
Project     : 992225
SDG NO.    : 22C141
Instrument ID : D5
=====
  
```

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER			Extraction Date/Time	Sample Data FN	Calibration Prep. Data FN	Notes
				Analysis Date/Time	Extraction Date/Time	Sample Data FN				
MBLK1W	DSC018WB	1	NA	03/15/2214:42	03/14/2212:30	LC15009A	LC15003A	22DSC018W	Method Blank	
LCS1W	DSC018WL	1	NA	03/15/2215:00	03/14/2212:30	LC15010A	LC15003A	22DSC018W	Lab Control Sample (LCS)	
202203100640	C141-01	1	NA	03/15/2219:53	03/14/2212:30	LC15026A	LC15003A	22DSC018W	Field Sample	

```

FN      - Filename
% Moist - Percent Moisture
  
```

SAMPLE RESULTS

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/09/22 10:10
Project     : 992225                      Date Received: 03/11/22
Batch No.   : 22C141                      Date Extracted: 03/14/22 12:30
Sample ID   : 202203100640               Date Analyzed: 03/15/22 19:53
Lab Samp ID: 22C141-01                   Dilution Factor: 1
Lab File ID: LC15026A                    Matrix: WATER
Ext Btch ID: 22DSC018W                   % Moisture: NA
Calib. Ref.: LC15003A                    Instrument ID: D5
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)		
Diesel	ND	0.026	0.013		
Motor Oil	ND	0.052	0.026		
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT	
Bromobenzene	0.369	0.520	71	60-130	
Hexacosane	0.138	0.130	106	60-130	

Notes:

Parameter H-C Range
Diesel C10-C24
Motor Oil C24-C36

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 960ml Final Volume : 5ml
Prepared by : JMuert Analyzed by : SDeeso

QC SUMMARIES

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/14/22 12:30
Project     : 992225                      Date Received: 03/14/22
Batch No.   : 22C141                      Date Extracted: 03/14/22 12:30
Sample ID   : MBLK1W                      Date Analyzed: 03/15/22 14:42
Lab Samp ID : DSC018WB                    Dilution Factor: 1
Lab File ID : LC15009A                    Matrix: WATER
Ext Btch ID : 22DSC018W                  % Moisture: NA
Calib. Ref.: LC15003A                    Instrument ID: D5
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
Diesel	ND	0.025	0.012
Motor Oil	ND	0.050	0.025

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.411	0.500	82	60-130
Hexacosane	0.144	0.125	115	60-130

Notes:
Parameter H-C Range
Diesel C10-C24
Motor Oil C24-C36
Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.
Sample Amount : 1000ml Final Volume : 5ml
Prepared by : JMuert Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 992225
BATCH NO. : 22C141
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSC018WB DSC018WL
LAB FILE ID : LC15009A LC15010A
DATE PREPARED : 03/14/22 12:30 03/14/22 12:30
DATE ANALYZED : 03/15/22 14:42 03/15/22 15:00
PREP BATCH : 22DSC018W 22DSC018W
CALIBRATION REF: LC15003A LC15003A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Diesel	ND	2.50	2.53	101	50-130

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene	0.500	0.401	80	60-130
Hexacosane	0.125	0.137	110	60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 991851
BATCH NO. : 22C121
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : 202203090784                       202203090784MSD
LAB SAMPLE ID : 22C121-01                         22C121-01S
LAB FILE ID  : LC15015A                           LC15017A
DATE PREPARED : 03/14/22 12:30                   03/14/22 12:30
DATE ANALYZED : 03/15/22 16:32                   03/15/22 17:08
PREP BATCH   : 22DSC018W                         22DSC018W
CALIBRATION REF: LC15003A                         LC15003A
=====
  
```

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.42	2.42	100	2.40	2.46	103	2	50-130	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.485	0.292	60	0.480	0.326	68	60-130
Hexacosane	0.121	0.142	117	0.120	0.113	94	60-130

PS: Parent Sample MS: Matrix Spike MSD: Matrix Spike Duplicate

ANALYTICAL REPORT

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-111312-1
Client Project/Site: 992225 / 1000014

For:
Eurofins Eaton Analytical
750 Royal Oaks Drive
Suite 100
Monrovia, California 91016

Attn: Subcontract Eurofins Eaton Analytical

M. Elaine Walker

Authorized for release by:
3/22/2022 5:24:35 PM

Elaine Walker, Project Manager II
(253)248-4972
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Eurofins Eaton Analytical
Project/Site: 992225 / 1000014

Job ID: 580-111312-1

Job ID: 580-111312-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative
580-111312-1

Receipt

One sample was received on 3/12/2022 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -1.3° C.

GC/MS Semi VOA

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 580-383995 and analytical batch 580-384145 recovered outside control limits for the following analyte: Hexachlorobutadiene. The LCS and LCSD recoveries were in control and the associated sample is ND.

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

Definitions/Glossary

Client: Eurofins Eaton Analytical
Project/Site: 992225 / 1000014

Job ID: 580-111312-1

Qualifiers

GC/MS 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.
α	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

Client Sample Results

Client: Eurofins Eaton Analytical
Project/Site: 992225 / 1000014

Job ID: 580-111312-1

Client Sample ID: 202203100640

Lab Sample ID: 580-111312-1

Date Collected: 03/09/22 10:10

Matrix: Water

Date Received: 03/12/22 09:30

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.097	0.018	ug/L		03/16/22 09:47	03/17/22 22:06	1
2-Methylnaphthalene	ND		0.19	0.038	ug/L		03/16/22 09:47	03/17/22 22:06	1
Acenaphthene	ND		0.097	0.014	ug/L		03/16/22 09:47	03/17/22 22:06	1
Acenaphthylene	ND		0.048	0.0087	ug/L		03/16/22 09:47	03/17/22 22:06	1
Anthracene	ND		0.097	0.021	ug/L		03/16/22 09:47	03/17/22 22:06	1
Benzo[a]anthracene	ND		0.048	0.014	ug/L		03/16/22 09:47	03/17/22 22:06	1
Benzo[a]pyrene	ND		0.097	0.011	ug/L		03/16/22 09:47	03/17/22 22:06	1
Benzo[b]fluoranthene	ND		0.048	0.011	ug/L		03/16/22 09:47	03/17/22 22:06	1
Benzo[g,h,i]perylene	ND		0.048	0.012	ug/L		03/16/22 09:47	03/17/22 22:06	1
Benzo[k]fluoranthene	ND		0.048	0.012	ug/L		03/16/22 09:47	03/17/22 22:06	1
Chrysene	ND		0.097	0.015	ug/L		03/16/22 09:47	03/17/22 22:06	1
D benz(a,h)anthracene	ND		0.097	0.025	ug/L		03/16/22 09:47	03/17/22 22:06	1
Fluoranthene	ND		0.19	0.017	ug/L		03/16/22 09:47	03/17/22 22:06	1
Fluorene	ND		0.097	0.016	ug/L		03/16/22 09:47	03/17/22 22:06	1
Indeno[1,2,3-cd]pyrene	ND		0.048	0.014	ug/L		03/16/22 09:47	03/17/22 22:06	1
Naphthalene	ND		0.097	0.030	ug/L		03/16/22 09:47	03/17/22 22:06	1
Phenanthrene	ND		0.097	0.030	ug/L		03/16/22 09:47	03/17/22 22:06	1
Pyrene	ND		0.097	0.032	ug/L		03/16/22 09:47	03/17/22 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	84		29 - 150	03/16/22 09:47	03/17/22 22:06	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.39	0.048	ug/L		03/16/22 09:47	03/17/22 19:26	1
1,3-Dichlorobenzene	ND		0.39	0.039	ug/L		03/16/22 09:47	03/17/22 19:26	1
1,4-Dichlorobenzene	ND		0.39	0.039	ug/L		03/16/22 09:47	03/17/22 19:26	1
2,4-Dichlorophenol	ND		0.97	0.19	ug/L		03/16/22 09:47	03/17/22 19:26	1
2,4-Dimethylphenol	ND		3.9	0.15	ug/L		03/16/22 09:47	03/17/22 19:26	1
2,4-Dinitrophenol	ND		4.8	1.5	ug/L		03/16/22 09:47	03/17/22 19:26	1
2,4-Dinitrotoluene	ND		0.97	0.097	ug/L		03/16/22 09:47	03/17/22 19:26	1
2,6-Dinitrotoluene	ND		0.39	0.097	ug/L		03/16/22 09:47	03/17/22 19:26	1
2-Chloronaphthalene	ND		0.97	0.068	ug/L		03/16/22 09:47	03/17/22 19:26	1
2-Chlorophenol	ND		0.97	0.048	ug/L		03/16/22 09:47	03/17/22 19:26	1
2-Methylphenol	ND		0.58	0.048	ug/L		03/16/22 09:47	03/17/22 19:26	1
2-Nitroaniline	ND		0.97	0.097	ug/L		03/16/22 09:47	03/17/22 19:26	1
3 & 4 Methylphenol	ND		0.58	0.097	ug/L		03/16/22 09:47	03/17/22 19:26	1
3,3'-Dichlorobenzidine	ND		0.97	0.25	ug/L		03/16/22 09:47	03/17/22 19:26	1
3-Nitroaniline	ND		2.9	0.15	ug/L		03/16/22 09:47	03/17/22 19:26	1
4,6-Dinitro-2-methylphenol	ND		1.9	0.53	ug/L		03/16/22 09:47	03/17/22 19:26	1
4-Bromophenyl phenyl ether	ND		0.58	0.058	ug/L		03/16/22 09:47	03/17/22 19:26	1
4-Chloro-3-methylphenol	ND		0.58	0.13	ug/L		03/16/22 09:47	03/17/22 19:26	1
4-Chloroaniline	ND		1.9	0.57	ug/L		03/16/22 09:47	03/17/22 19:26	1
4-Chlorophenyl phenyl ether	ND		0.58	0.048	ug/L		03/16/22 09:47	03/17/22 19:26	1
4-Nitroaniline	ND		1.9	0.20	ug/L		03/16/22 09:47	03/17/22 19:26	1
4-Nitrophenol	ND		9.7	1.6	ug/L		03/16/22 09:47	03/17/22 19:26	1
Bis(2-chloroethoxy)methane	ND		0.58	0.048	ug/L		03/16/22 09:47	03/17/22 19:26	1
Bis(2-chloroethyl)ether	ND		0.097	0.029	ug/L		03/16/22 09:47	03/17/22 19:26	1
Bis(2-ethylhexyl) phthalate	ND		2.9	0.72	ug/L		03/16/22 09:47	03/17/22 19:26	1
Butyl benzyl phthalate	ND		3.9	0.26	ug/L		03/16/22 09:47	03/17/22 19:26	1

Eurofins Seattle

Client Sample Results

Client: Eurofins Eaton Analytical
Project/Site: 992225 / 1000014

Job ID: 580-111312-1

Client Sample ID: 202203100640

Lab Sample ID: 580-111312-1

Date Collected: 03/09/22 10:10

Matrix: Water

Date Received: 03/12/22 09:30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		0.58	0.097	ug/L		03/16/22 09:47	03/17/22 19:26	1
D benzofuran	ND		0.39	0.097	ug/L		03/16/22 09:47	03/17/22 19:26	1
Diethyl phthalate	ND		0.97	0.15	ug/L		03/16/22 09:47	03/17/22 19:26	1
Dimethyl phthalate	ND		0.58	0.058	ug/L		03/16/22 09:47	03/17/22 19:26	1
Di-n-butyl phthalate	ND		2.9	0.18	ug/L		03/16/22 09:47	03/17/22 19:26	1
Di-n-octyl phthalate	ND		0.97	0.13	ug/L		03/16/22 09:47	03/17/22 19:26	1
Hexachlorobenzene	ND		0.58	0.039	ug/L		03/16/22 09:47	03/17/22 19:26	1
Hexachlorobutadiene	ND	*1	0.97	0.058	ug/L		03/16/22 09:47	03/17/22 19:26	1
Hexachlorocyclopentadiene	ND		0.97	0.14	ug/L		03/16/22 09:47	03/17/22 19:26	1
Hexachloroethane	ND		0.97	0.048	ug/L		03/16/22 09:47	03/17/22 19:26	1
Isophorone	ND		0.39	0.097	ug/L		03/16/22 09:47	03/17/22 19:26	1
Nitrobenzene	ND		0.97	0.039	ug/L		03/16/22 09:47	03/17/22 19:26	1
N-Nitrosodi-n-propylamine	ND		0.39	0.058	ug/L		03/16/22 09:47	03/17/22 19:26	1
N-Nitrosodiphenylamine	ND		0.97	0.068	ug/L		03/16/22 09:47	03/17/22 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		50 - 130	03/16/22 09:47	03/17/22 19:26	1
2-Fluorobiphenyl	76		35 - 120	03/16/22 09:47	03/17/22 19:26	1
2-Fluorophenol (Surr)	43		21 - 120	03/16/22 09:47	03/17/22 19:26	1
Nitrobenzene-d5 (Surr)	73		39 - 120	03/16/22 09:47	03/17/22 19:26	1
Phenol-d5 (Surr)	27		10 - 120	03/16/22 09:47	03/17/22 19:26	1
Terphenyl-d14	95		63 - 137	03/16/22 09:47	03/17/22 19:26	1

QC Sample Results

Client: Eurofins Eaton Analytical
Project/Site: 992225 / 100014

Job ID: 580-111312-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-383995/1-A
Matrix: Water
Analysis Batch: 384145

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383995

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dichlorobenzene	ND		0.40	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
1,3-Dichlorobenzene	ND		0.40	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
1,4-Dichlorobenzene	ND		0.40	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4-Dichlorophenol	ND		1.0	0.20	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4-Dimethylphenol	ND		4.0	0.16	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4-Dinitrophenol	ND		5.0	1.6	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,4-Dinitrotoluene	ND		1.0	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
2,6-Dinitrotoluene	ND		0.40	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
2-Chloronaphthalene	ND		1.0	0.070	ug/L		03/16/22 09:47	03/17/22 13:35	1
2-Chlorophenol	ND		1.0	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
2-Methylphenol	ND		0.60	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
2-Nitroaniline	ND		1.0	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
3 & 4 Methylphenol	ND		0.60	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
3,3'-Dichlorobenzidine	ND		1.0	0.26	ug/L		03/16/22 09:47	03/17/22 13:35	1
3-Nitroaniline	ND		3.0	0.16	ug/L		03/16/22 09:47	03/17/22 13:35	1
4,6-Dinitro-2-methylphenol	ND		2.0	0.55	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Bromophenyl phenyl ether	ND		0.60	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Chloro-3-methylphenol	ND		0.60	0.13	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Chloroaniline	ND		2.0	0.59	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Chlorophenyl phenyl ether	ND		0.60	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Nitroaniline	ND		2.0	0.21	ug/L		03/16/22 09:47	03/17/22 13:35	1
4-Nitrophenol	ND		10	1.7	ug/L		03/16/22 09:47	03/17/22 13:35	1
Bis(2-chloroethoxy)methane	ND		0.60	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
Bis(2-chloroethyl)ether	ND		0.10	0.030	ug/L		03/16/22 09:47	03/17/22 13:35	1
Bis(2-ethylhexyl) phthalate	ND		3.0	0.74	ug/L		03/16/22 09:47	03/17/22 13:35	1
Butyl benzyl phthalate	ND		4.0	0.27	ug/L		03/16/22 09:47	03/17/22 13:35	1
Carbazole	ND		0.60	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
Dibenzofuran	ND		0.40	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
Diethyl phthalate	ND		1.0	0.15	ug/L		03/16/22 09:47	03/17/22 13:35	1
Dimethyl phthalate	ND		0.60	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
Di-n-butyl phthalate	ND		3.0	0.19	ug/L		03/16/22 09:47	03/17/22 13:35	1
Di-n-octyl phthalate	ND		1.0	0.13	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachlorobenzene	ND		0.60	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachlorobutadiene	ND		1.0	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachlorocyclopentadiene	ND		1.0	0.14	ug/L		03/16/22 09:47	03/17/22 13:35	1
Hexachloroethane	ND		1.0	0.050	ug/L		03/16/22 09:47	03/17/22 13:35	1
Isophorone	ND		0.40	0.10	ug/L		03/16/22 09:47	03/17/22 13:35	1
Nitrobenzene	ND		1.0	0.040	ug/L		03/16/22 09:47	03/17/22 13:35	1
N-Nitrosodi-n-propylamine	ND		0.40	0.060	ug/L		03/16/22 09:47	03/17/22 13:35	1
N-Nitrosodiphenylamine	ND		1.0	0.070	ug/L		03/16/22 09:47	03/17/22 13:35	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	53		50 - 130	03/16/22 09:47	03/17/22 13:35	1
2-Fluorobiphenyl	72		35 - 120	03/16/22 09:47	03/17/22 13:35	1
2-Fluorophenol (Surr)	48		21 - 120	03/16/22 09:47	03/17/22 13:35	1
Nitrobenzene-d5 (Surr)	76		39 - 120	03/16/22 09:47	03/17/22 13:35	1
Phenol-d5 (Surr)	32		10 - 120	03/16/22 09:47	03/17/22 13:35	1
Terphenyl-d14	98		63 - 137	03/16/22 09:47	03/17/22 13:35	1

Eurofins Seattle

QC Sample Results

Client: Eurofins Eaton Analytical
 Project/Site: 992225 / 1000014

Job ID: 580-111312-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 580-383995/2-A
Matrix: Water
Analysis Batch: 384145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,2-Dichlorobenzene	2.00	1.17		ug/L		58	20 - 120
1,3-Dichlorobenzene	2.00	1.19		ug/L		59	20 - 120
1,4-Dichlorobenzene	2.00	1.14		ug/L		57	20 - 120
2,4-Dichlorophenol	2.00	1.69		ug/L		84	45 - 120
2,4-Dimethylphenol	2.00	1.57	J	ug/L		79	37 - 120
2,4-Dinitrophenol	4.00	3.20	J	ug/L		80	10 - 146
2,4-Dinitrotoluene	2.00	1.95		ug/L		98	51 - 120
2,6-Dinitrotoluene	2.00	1.93		ug/L		97	52 - 120
2-Chloronaphthalene	2.00	1.60		ug/L		80	35 - 120
2-Chlorophenol	2.00	1.64		ug/L		82	44 - 120
2-Methylphenol	2.00	1.46		ug/L		73	30 - 120
2-Nitroaniline	2.00	1.99		ug/L		99	43 - 120
3 & 4 Methylphenol	2.00	1.15		ug/L		57	29 - 120
3,3'-Dichlorobenzidine	4.00	3.89		ug/L		97	33 - 150
3-Nitroaniline	2.00	1.78	J	ug/L		89	10 - 138
4,6-Dinitro-2-methylphenol	4.00	3.29		ug/L		82	29 - 136
4-Bromophenyl phenyl ether	2.00	1.65		ug/L		82	53 - 120
4-Chloro-3-methylphenol	2.00	1.73		ug/L		87	36 - 120
4-Chloroaniline	2.00	1.40	J	ug/L		70	10 - 150
4-Chlorophenyl phenyl ether	2.00	1.80		ug/L		90	41 - 120
4-Nitroaniline	2.00	1.74	J	ug/L		87	38 - 133
4-Nitrophenol	4.00	ND		ug/L		41	10 - 120
Bis(2-chloroethoxy)methane	2.00	1.62		ug/L		81	38 - 120
Bis(2-chloroethyl)ether	2.00	1.42		ug/L		71	39 - 120
Bis(2-ethylhexyl) phthalate	2.00	2.49	J	ug/L		124	41 - 150
Butyl benzyl phthalate	2.00	2.06	J	ug/L		103	40 - 150
Carbazole	2.00	2.10		ug/L		105	61 - 150
Dibenzofuran	2.00	1.91		ug/L		96	45 - 120
Diethyl phthalate	2.00	1.99		ug/L		99	60 - 121
Dimethyl phthalate	2.00	2.10		ug/L		105	54 - 120
Di-n-butyl phthalate	2.00	1.83	J	ug/L		92	55 - 150
Di-n-octyl phthalate	2.00	2.21		ug/L		111	48 - 140
Hexachlorobenzene	2.00	1.56		ug/L		78	49 - 120
Hexachlorobutadiene	2.00	0.997	J	ug/L		50	10 - 130
Hexachlorocyclopentadiene	2.00	0.994	J	ug/L		50	10 - 125
Hexachloroethane	2.00	1.04		ug/L		52	10 - 130
Isophorone	2.00	1.64		ug/L		82	41 - 120
Nitrobenzene	2.00	1.56		ug/L		78	38 - 120
N-Nitrosodi-n-propylamine	2.00	1.55		ug/L		77	39 - 120
N-Nitrosodiphenylamine	2.00	1.89		ug/L		95	52 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	84		50 - 130
2-Fluorobiphenyl	79		35 - 120
2-Fluorophenol (Surr)	50		21 - 120
Nitrobenzene-d5 (Surr)	81		39 - 120
Phenol-d5 (Surr)	33		10 - 120
Terphenyl-d14	96		63 - 137

QC Sample Results

Client: Eurofins Eaton Analytical
Project/Site: 992225 / 100014

Job ID: 580-111312-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LCSD 580-383995/3-A
Matrix: Water
Analysis Batch: 384145

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383995

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	2.00	0.999		ug/L		50	20 - 120	15	35
1,3-Dichlorobenzene	2.00	0.933		ug/L		47	20 - 120	24	35
1,4-Dichlorobenzene	2.00	0.926		ug/L		46	20 - 120	20	35
2,4-Dichlorophenol	2.00	1.64		ug/L		82	45 - 120	3	35
2,4-Dimethylphenol	2.00	1.57	J	ug/L		79	37 - 120	0	35
2,4-Dinitrophenol	4.00	3.28	J	ug/L		82	10 - 146	2	35
2,4-Dinitrotoluene	2.00	1.81		ug/L		90	51 - 120	8	35
2,6-Dinitrotoluene	2.00	1.74		ug/L		87	52 - 120	11	35
2-Chloronaphthalene	2.00	1.43		ug/L		71	35 - 120	12	35
2-Chlorophenol	2.00	1.75		ug/L		88	44 - 120	6	35
2-Methylphenol	2.00	1.59		ug/L		80	30 - 120	9	35
2-Nitroaniline	2.00	1.77		ug/L		88	43 - 120	12	35
3 & 4 Methylphenol	2.00	1.44		ug/L		72	29 - 120	22	35
3,3'-Dichlorobenzidine	4.00	4.14		ug/L		103	33 - 150	6	35
3-Nitroaniline	2.00	1.54	J	ug/L		77	10 - 138	15	35
4,6-Dinitro-2-methylphenol	4.00	3.50		ug/L		88	29 - 136	6	35
4-Bromophenyl phenyl ether	2.00	1.64		ug/L		82	53 - 120	1	35
4-Chloro-3-methylphenol	2.00	1.61		ug/L		81	36 - 120	7	35
4-Chloroaniline	2.00	1.41	J	ug/L		71	10 - 150	1	35
4-Chlorophenyl phenyl ether	2.00	1.64		ug/L		82	41 - 120	9	35
4-Nitroaniline	2.00	1.78	J	ug/L		89	38 - 133	3	35
4-Nitrophenol	4.00	ND		ug/L		41	10 - 120	0	35
Bis(2-chloroethoxy)methane	2.00	1.65		ug/L		83	38 - 120	2	35
Bis(2-chloroethyl)ether	2.00	1.52		ug/L		76	39 - 120	7	35
Bis(2-ethylhexyl) phthalate	2.00	2.49	J	ug/L		125	41 - 150	0	35
Butyl benzyl phthalate	2.00	2.03	J	ug/L		101	40 - 150	2	35
Carbazole	2.00	2.07		ug/L		104	61 - 150	1	35
Dibenzofuran	2.00	1.75		ug/L		87	45 - 120	9	35
Diethyl phthalate	2.00	1.92		ug/L		96	60 - 121	3	35
Dimethyl phthalate	2.00	1.96		ug/L		98	54 - 120	7	35
Di-n-butyl phthalate	2.00	1.88	J	ug/L		94	55 - 150	3	35
Di-n-octyl phthalate	2.00	2.16		ug/L		108	48 - 140	3	35
Hexachlorobenzene	2.00	1.64		ug/L		82	49 - 120	5	35
Hexachlorobutadiene	2.00	0.666	J *1	ug/L		33	10 - 130	40	35
Hexachlorocyclopentadiene	2.00	0.706	J	ug/L		35	10 - 125	34	35
Hexachloroethane	2.00	0.752	J	ug/L		38	10 - 130	33	35
Isophorone	2.00	1.63		ug/L		82	41 - 120	1	35
Nitrobenzene	2.00	1.64		ug/L		82	38 - 120	5	35
N-Nitrosodi-n-propylamine	2.00	1.58		ug/L		79	39 - 120	2	35
N-Nitrosodiphenylamine	2.00	1.96		ug/L		98	52 - 120	3	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	87		50 - 130
2-Fluorobiphenyl	73		35 - 120
2-Fluorophenol (Surr)	51		21 - 120
Nitrobenzene-d5 (Surr)	77		39 - 120
Phenol-d5 (Surr)	41		10 - 120
Terphenyl-d14	103		63 - 137

Eurofins Seattle

QC Sample Results

Client: Eurofins Eaton Analytical
Project/Site: 992225 / 1000014

Job ID: 580-111312-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 580-383995/1-A
Matrix: Water
Analysis Batch: 384247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383995

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1-Methylnaphthalene	ND		0.10	0.019	ug/L		03/16/22 09:47	03/17/22 17:55	1
2-Methylnaphthalene	ND		0.20	0.039	ug/L		03/16/22 09:47	03/17/22 17:55	1
Acenaphthene	ND		0.10	0.014	ug/L		03/16/22 09:47	03/17/22 17:55	1
Acenaphthylene	ND		0.050	0.0090	ug/L		03/16/22 09:47	03/17/22 17:55	1
Anthracene	ND		0.10	0.022	ug/L		03/16/22 09:47	03/17/22 17:55	1
Benzo[a]anthracene	ND		0.050	0.014	ug/L		03/16/22 09:47	03/17/22 17:55	1
Benzo[a]pyrene	ND		0.10	0.011	ug/L		03/16/22 09:47	03/17/22 17:55	1
Benzo[b]fluoranthene	ND		0.050	0.011	ug/L		03/16/22 09:47	03/17/22 17:55	1
Benzo[g,h,i]perylene	ND		0.050	0.012	ug/L		03/16/22 09:47	03/17/22 17:55	1
Benzo[k]fluoranthene	ND		0.050	0.012	ug/L		03/16/22 09:47	03/17/22 17:55	1
Chrysene	0.0179	J	0.10	0.016	ug/L		03/16/22 09:47	03/17/22 17:55	1
Dibenz(a,h)anthracene	ND		0.10	0.026	ug/L		03/16/22 09:47	03/17/22 17:55	1
Fluoranthene	ND		0.20	0.018	ug/L		03/16/22 09:47	03/17/22 17:55	1
Fluorene	ND		0.10	0.017	ug/L		03/16/22 09:47	03/17/22 17:55	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.014	ug/L		03/16/22 09:47	03/17/22 17:55	1
Naphthalene	ND		0.10	0.031	ug/L		03/16/22 09:47	03/17/22 17:55	1
Phenanthrene	ND		0.10	0.031	ug/L		03/16/22 09:47	03/17/22 17:55	1
Pyrene	ND		0.10	0.033	ug/L		03/16/22 09:47	03/17/22 17:55	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Terphenyl-d14	85		29 - 150	03/16/22 09:47	03/17/22 17:55	1

Lab Sample ID: LCS 580-383995/2-A
Matrix: Water
Analysis Batch: 384247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383995

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
1-Methylnaphthalene	2.00	1.42		ug/L		71	29 - 120
2-Methylnaphthalene	2.00	1.35		ug/L		67	33 - 120
Acenaphthene	2.00	1.55		ug/L		77	33 - 120
Acenaphthylene	2.00	1.47		ug/L		74	38 - 120
Anthracene	2.00	1.61		ug/L		81	41 - 120
Benzo[a]anthracene	2.00	1.67		ug/L		84	55 - 123
Benzo[a]pyrene	2.00	1.62		ug/L		81	51 - 120
Benzo[b]fluoranthene	2.00	1.76		ug/L		88	43 - 120
Benzo[g,h,i]perylene	2.00	1.85		ug/L		93	45 - 120
Benzo[k]fluoranthene	2.00	1.74		ug/L		87	41 - 121
Chrysene	2.00	1.62		ug/L		81	47 - 120
Dibenz(a,h)anthracene	2.00	1.82		ug/L		91	54 - 123
Fluoranthene	2.00	1.66		ug/L		83	51 - 125
Fluorene	2.00	1.64		ug/L		82	39 - 120
Indeno[1,2,3-cd]pyrene	2.00	1.79		ug/L		90	45 - 123
Naphthalene	2.00	1.41		ug/L		70	34 - 120
Phenanthrene	2.00	1.65		ug/L		83	46 - 120
Pyrene	2.00	1.63		ug/L		81	51 - 125

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Terphenyl-d14	89		29 - 150

Eurofins Seattle

QC Sample Results

Client: Eurofins Eaton Analytical
 Project/Site: 992225 / 1000014

Job ID: 580-111312-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: LCSD 580-383995/3-A
Matrix: Water
Analysis Batch: 384247

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383995

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1-Methylnaphthalene	2.00	1.31		ug/L		65	29 - 120	8	35
2-Methylnaphthalene	2.00	1.24		ug/L		62	33 - 120	8	35
Acenaphthene	2.00	1.52		ug/L		76	33 - 120	2	35
Acenaphthylene	2.00	1.46		ug/L		73	38 - 120	0	35
Anthracene	2.00	1.60		ug/L		80	41 - 120	1	29
Benzo[a]anthracene	2.00	1.69		ug/L		84	55 - 123	1	31
Benzo[a]pyrene	2.00	1.60		ug/L		80	51 - 120	1	31
Benzo[b]fluoranthene	2.00	1.68		ug/L		84	43 - 120	5	35
Benzo[g,h,i]perylene	2.00	1.85		ug/L		93	45 - 120	0	35
Benzo[k]fluoranthene	2.00	1.77		ug/L		89	41 - 121	2	35
Chrysene	2.00	1.63		ug/L		82	47 - 120	1	30
Dibenz(a,h)anthracene	2.00	1.82		ug/L		91	54 - 123	0	35
Fluoranthene	2.00	1.65		ug/L		82	51 - 125	0	31
Fluorene	2.00	1.60		ug/L		80	39 - 120	2	35
Indeno[1,2,3-cd]pyrene	2.00	1.75		ug/L		87	45 - 123	3	35
Naphthalene	2.00	1.33		ug/L		66	34 - 120	6	35
Phenanthrene	2.00	1.63		ug/L		81	46 - 120	1	32
Pyrene	2.00	1.61		ug/L		81	51 - 125	1	30

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Terphenyl-d14	89		29 - 150

Lab Chronicle

Client: Eurofins Eaton Analytical
Project/Site: 992225 / 1000014

Job ID: 580-111312-1

Client Sample ID: 202203100640

Lab Sample ID: 580-111312-1

Date Collected: 03/09/22 10:10

Matrix: Water

Date Received: 03/12/22 09:30

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Prep	3510C			383995	03/16/22 09:47	ASL	FGS SEA
Total/NA	Analysis	8270E		1	384145	03/17/22 19:26	T1L	FGS SEA
Total/NA	Prep	3510C			383995	03/16/22 09:47	ASL	FGS SEA
Total/NA	Analysis	8270E SIM		1	384247	03/17/22 22:06	W1T	FGS SEA

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310



Accreditation/Certification Summary

Client: Eurofins Eaton Analytical
Project/Site: 992225 / 1000014

Job ID: 580-111312-1

Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-25
ANAB	Dept. of Energy	L2236	01-19-25
ANAB	ISO/IEC 17025	L2236	01-19-25
California	State	2954	07-07-22
Florida	NELAP	E87575	06-30-22
Louisiana	NELAP	03073	06-30-22
Maine	State	2020012	05-02-22
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-22
New York	NELAP	11662	04-01-22
Oregon	NELAP	4167	07-07-22
US Fish & Wildlife	US Federal Programs	058448	05-31-22
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C788	07-13-22
Wisconsin	State	399133460	08-31-22

Sample Summary

Client: Eurofins Eaton Analytical
Project/Site: 992225 / 1000014

Job ID: 580-111312-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-111312-1	202203100640	Water	03/09/22 10:10	03/12/22 09:30

1

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11



Eaton Analytical

Ship To:
Eurofins Frontier Global Sciences,
LLC
5755 8th St E

TACOMA, WA 98424

Phone: 253-922-2310 Fax:

Folder #: 992225 Report Due: 03/15/2022

Submittal Form

Date: 3/11/2022

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers!
Report & Invoice must have the Folder # 992225 Job # 1000014

Report all quality control data according to Method. Include dates analyzed, Date extracted (if extracted) and Method reference on the report.
Results must have Complete data & QC with Approval Signature

Reports: Jackie Contreras, Sub-Contracting Administrator
EMAIL TO: Eaton-MonroviaSubContract@eurofins.com
Eurofins Eaton Analytical, LLC 780 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
Phone (626) 386-1165 Fax (626) 386-1122
Invoices to: Eurofins Eaton Analytical, LLC
Accounts Payable 2425 New Holland Pike, Lancaster, PA 17605

Provide in each Report the
Specified State Certification # and
Exp Date for requested tests + matrix
Samples from: HAWAII

2-3 day rush

Sample ID	Client Sample ID for reference onl	Sample Date & Time	Matrix	Clip Code	PWSID
202203100640	91-1055 Kaimalle St	03/09/22 10:10	DW		JLS
Sample type:	Sample Event:	Facility ID:	Sample Point ID:	Static ID:	

Method: 8270E SIM
Prep Method: 8270E SIM
Analysis Requested: 8270E Semivolatile Organic Compounds
8270E SIM Semivolatile Organic Compounds

Therm. ID: 109 Cor: -1.3 Unc: -1.1
Cooler Desc: FedEx: PO
Packing: Buy UPS:
Cust. Seal: Yes No Lab Cour:
Blue Ice Wet Dry, None Other:



NOTIFY: 590-111312 Chain of Custody .S

An Acknowledgment of Receipt is requested to attn. Jackie Contreras

Relinquished by: AM Date: 3/11/22 Time: 13:30
 Received by: Alan P. Date: 3/12/22 Time: 09:30
 Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

Login Sample Receipt Checklist

Client: Eurofins Eaton Analytical

Job Number: 580-111312-1

Login Number: 111312

List Number: 1

Creator: Vallelunga, Diana L

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	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	
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?	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	
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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	