eurofins | Eaton Analytical

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)

ACCREDITED
CERTIFICATE #'s 5890.01 & 5890.02

Laboratory Report

for

State of Hawaii DOH
Hazard Evaluation and Emergency Response
Office (HEER)
2385 Waimano Home Road
Pearl City, HI 96782
Attention: Diana Felton, MD

Date of Issue
01/04/2022

EUROFINS EATON
ANALYTICAL, LLC

NELAP ACCREDITED TNI LABORATORY
Utah ELCP CA00006

Report: 976779
Project: NAVY
Group: RUSH Red Hill 2021 - PFAS 40 TA-SAC 5bd

DEB: Debbie L Frank

Project Manager

* 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 17025:2917 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
Enterococci	Enterolert	x	x
Escherichia coli (Enumeration)	SM 9221 B.1 SM 9221 F	x	
Fecal Coliform (P/A and Enumeration)	SM 9221 C (MTF/EC), SM 9221 E (MTF/EC)	x	x
Fecal Streptococci and Enterococci	SM 9230 B	x	x
Heterotrophic Bacteria	SM 9215 B	x	
Legionella	Legiolert®	x	
Pseudomonas aeruginosa	Idexx Pseudalert	x	
Total Coliform (P/A and Enumeration)	SM 9221A, SM 9221B, SM 9221 C	x	x
Total Coliform, Total Coliform with Chlorine Present	SM 9221 B	x	x
Total Coliform/E. coli (P/A and Enumeration, Idexx Colilert, Idexx Colilert 18, Colisure)	SM 9223	x	
Total Microcystins and Nodularins	EPA 546	X	
Yeast and Mold	SM 9610	x	
1,2,3-Trichloropropane (TCP) at 5 PPT	CA SRL 524M-TCP	x	
1,4-Dioxane	EPA 522	x	
2,3,7,8-TCDD	Modified EPA 1613 B	x	
Acrylamide	+LCMS 2440)	x	
Algal Toxins/Microcystin	+ LCMS 3570	x	
Alkalinity	SM 2320B	x	x
Ammonia	EPA 350.1, SM 4500-NH3 H		x
Asbestos	EPA 100.2	x	x
Bicarbonate Alkalinity as HCO3	SM 2330 B	x	x
BOD/CBOD	SM 5210 B		x
Bromate	+LCMS- 2447	x	
Carbonate as CO3	SM 2330 B	x	x
Carbonyls	EPA 556	x	x
Chemical Oxygen Demand	EPA 410.4, SM 5220D		x
Chlorinated Acids	EPA 515.4	x	
Chlorine Dioxide	Palin Test Chlordio X Plus, SM 4500-CLO2 D	x	
Chlorine, Free, Combined, Total Residual, Chloramines	SM 4500-Cl G	x	
Color	SM2120B	x	
Conductivity	EPA 120.1, SM 2510B	x	x
Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated	SM 2330 B	x	
Cyanide (Amenable)	SM 4500-CN G	x	x
Cyanide (Free)	SM 4500CN F	x	x
Cyanide (Total)	EPA 335.4	x	x
Cyanogen Chloride (Screen)	+335 Mod (WC-24467)	x	
Diquat and Paraquat	EPA 549.2	x	
DBP and HAA	SM 6251 B	x	
Dissolved Organic Carbon	SM 5310 C	x	
Dissolved Oxygen	SM 4500-O G		x
EDB/DCBP/TCP	EPA 504.1	x	
EDB/DBCP and Disinfection Byproducts	EPA 551.1	x	
EDTA and NTA	+ WC-2454	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

Test(s)	Method(s)	Potable Water *	Waste Water
Gross Alpha coprecipitation	SM 7110 C	x	x
Hardness	SM 2340 B	x	x
Hexavalent Chromium	EPA 218.6,	x	x
Hexavalent Chromium	EPA 218.7,	x	
Hexavalent Chromium	SM 3500-Cr B		x
Inorganic Anions and DBPs	EPA 300.0	x	x
Norganic Anions and DBPs	EPA 300.1	x	
Kjeldahl Nitrogen	EPA 351.2		x
Metals	EPA 200.7, EPA200.8	x	x
Nitrosamines	EEA-Agilent 521.1 (GCMS-24250)	x	
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x
Odor	SM2150B	x	
Organohalide Pesticides and PCB	EPA 505	x	
Ortho Phosphate	SM 4500P E	x	
Oxyhalides Disinfection Byproducts	EPA 317.0	x	
Perchlorate	EPA 331.0	x	
Perchlorate (Low and High Levels)	EPA 314.0	x	
Perfluorinated Alkyl Acids	EPA 533, EPA 537, EPA 537.1	x	
PPCP and EDC	+LCMS-2443	x	
pH	EPA 150.1 SM 4500-H+ B	x	x
Phenolics – Low Level	+WC 2493 (EPA 420.2 and EPA 420.4 MOD)	x	x
Phenylurea Pesticides/Herbicides	+LCMS-2448	x	
Radium-226, Radium-228	GA Tech (Rad-2374)	x	
Radon-222	SM 7500RN	x	
Residue (Filterable)	SM 2540C	x	x
Residue (Non-Filterable)	SM 2540D		x
Residue (Total)	SM 2540B		x
Residue (Volatile)	EPA 160.4		x
Semi-Volatile Compounds	EPA 525.2	x	
Silica	SM 4500-SiO2 C	x	x
Sulfide	SM 4500-S D		x
Sulfite	SM 4500-SO3 B	x	x
Surfactants	SM 5540C	x	x
Taste and Odor	SM 6040 E	x	
Total Organic Carbon	SM 5310 C	x	x
Total Phenols	EPA 420.1		x
Total Phenols	EPA 420.4	x	x
Triazine Pesticides and their Degradates	+LCMS-3617	x	
Turbidity	EPA 180.1	x	x
Uranium by ICP/MS	EPA 200.8	x	
UV 254 Organic Constituents	SM 5910B	x	
VOCs	EPA 524.2	x	
VOCs	+(GCMS 2412) by EPA 524.2 modified	x	

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

(+) In-House Method

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Acknowledgement of Samples Received

Addr: **State of Hawaii DOH**
Hazard Evaluation and Emergency Response Office (HEER)
2385 Waimano Home Road
Pearl City, HI 96782
Attn: Diana Felton, MD
Phone: 808-586-0963

Client ID: HAWAII-DOH
Folder #: 976779
Project: NAVY
Sample Group: RUSH Red Hill 2021 - PFAS 40
TA-SAC 5bd
Project Manager: Debbie L Frank
Phone: (626) 386-1149

The following samples were received from you on **December 22, 2021** at **1110**. 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
202112220449	1301 McMurty Court	12/18/2021 0955
	Sub Matrix Code: Drinking Water Static ID: PFAS 1633 40 analytes	
	Matrix Surcharge — PFAS 537 mod with 1633 list	
202112220450	187 Honohono Street	12/18/2021 1050
	Sub Matrix Code: Drinking Water Static ID: PFAS 1633 40 analytes	
	Matrix Surcharge — PFAS 537 mod with 1633 list	
202112220451	137 Honohono Street	12/18/2021 1120
	Sub Matrix Code: Drinking Water Static ID: PFAS 1633 40 analytes	
	Matrix Surcharge — PFAS 537 mod with 1633 list	
202112220452	211 Mercury, Hickam Communities Building	12/18/2021 1208
	Sub Matrix Code: Drinking Water Static ID: PFAS 1633 40 analytes	
	Matrix Surcharge — PFAS 537 mod with 1633 list	
202112220453	RUSH 5d	12/18/2021 1208
	RUSH	

Test Description

976779 deb122221

>> Select a Laboratory or Service Center <<
#N/A
#N/A
#N/A
##

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☑ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Diana Felton	Site Contact:	Date:	COC No:
Hawaii Dept of Health	Email: diana.felton@doh.hawaii.gov	Lab Contact:	Carrier:	_____ of _____ COCs
2385 Waimano Home Rd #100	Tel/Fax: 530-386-1571			TALS Project #:
Pearl City, HI 96782	Analysis Turnaround Time			Sampler:
808-586-4249	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ____5____			Walk-in Client:
Project Name: Red Hill 2021- PFAS	☐ 2 weeks			Lab Sampling:
Site:	☐ 1 week			Job / SDG No.:
P O #	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Sample Specific Notes:
1301 McMurty Court	12/18/21	0955	G	water		N	N	outside tap by front door
187 Honohono Street	12/18/21	1050	G	water		N	N	front patio spigot
137 Honohono Street	12/18/21	1120	G	water		N	N	kitchen sink
211 Mercury, Hickam Communities Building	12/08/21	1208	G	water		N	N	outside spigot

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Hawaii Dept of Health	12/18/21 1300	Received by:	Hawaii Dept of Health	12/18/21 1300
Relinquished by:	Hawaii Dept of Health	12/21/21 1000	Received by:	Company: EECSAL	Date/Time: 12/22/21-1110
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

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

Laboratory Hits

Report: 976779
Project: NAVY
Group: RUSH Red Hill 2021 - PFAS 40
TA-SAC 5bd

State of Hawaii DOH
Diana Felton, MD
Hazard Evaluation and Emergency Response Office (HEER)
2385 Waimano Home Road
Pearl City, HI 96782

Samples Received on:
12/22/2021 1110

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL

SUMMARY OF POSITIVE DATA ONLY

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

Laboratory Data

Report: 976779
Project: NAVY
Group: RUSH Red Hill 2021 - PFAS 40
TA-SAC 5bd

State of Hawaii DOH
Diana Felton, MD
Hazard Evaluation and Emergency Response Office (HEER)
2385 Waimano Home Road
Pearl City, HI 96782

Samples Received on:
12/22/2021 1110

Prepared	Analyzed	Prep Batch	Analyze Batch	Method	Analyte	Result	Units	MDL	MRL	Dilution
1301 McMurty Court (202112220449)							**Sampled on 12/18/2021 0955**			
	Static ID: PFAS 1633 40 analytes									
	EPA 537 Modified - PFAS 537 mod with 1633 list									
	12/27/21 16:16			(EPA 537 Modified)	see attached	See Attached				1
187 Honohono Street (202112220450)							**Sampled on 12/18/2021 1050**			
	Static ID: PFAS 1633 40 analytes									
	EPA 537 Modified - PFAS 537 mod with 1633 list									
	12/27/21 16:26			(EPA 537 Modified)	see attached	See Attached				1
137 Honohono Street (202112220451)							**Sampled on 12/18/2021 1120**			
	Static ID: PFAS 1633 40 analytes									
	EPA 537 Modified - PFAS 537 mod with 1633 list									
	12/27/21 16:36			(EPA 537 Modified)	see attached	See Attached				1
211 Mercury, Hickam Communities Building (202112220452)							**Sampled on 12/18/2021 1208**			
	Static ID: PFAS 1633 40 analytes									
	EPA 537 Modified - PFAS 537 mod with 1633 list									
	12/27/21 17:07			(EPA 537 Modified)	see attached	See Attached				1

ND - Analyte was not detected at the calculated MDL.
J - The analyte was either detected at or greater than the MDL and less than the MRL, or did not meet any one of the required QC criteria.
(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.

eurofins | Eaton Analytical

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1 800 566 LABS (1 800 566 5227)

Laboratory Comments

Report: 976779
Project: NAVY
Group: RUSH Red Hill 2021 - PFAS 40
TA-SAC 5bd

State of Hawaii DOH
Diana Felton, MD
Hazard Evaluation and Emergency Response Office (HEER)
2385 Waimano Home Road
Pearl City, HI 96782

Folder Comments

Analytical results for PFAS by 537 modified are submitted by Eurofins TestAmerica, Sacramento, CA.

Sample receipt temperature:
3 coolers: 4.0, 2.8. 3.6 per Laura Turpen 12/23/21. Temperature noted for all 3 associated folders is 4.0 (highest of the 3 temperatures noted).
Associated folders: 976779, 976757, 976958

Sample date for 211 Mercury (2021122205452) is updated to 12/18/21 per Diana Felton 12/24/21. deb122621

The Comments Report may be blank if there are no comments for this report.

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-83284-1
Client Project/Site: Folder 976779, Job# 1000014

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

Attn: Debbie Frank

Linda C. Laver

Authorized for release by:
12/28/2021 9:07:15 AM

Linda C. Laver, Senior Project Manager
(916)374-4362
Linda.Laver@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.

Glossary

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

Job ID: 320-83284-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-83284-1

Receipt
The samples were received on 12/22/2021 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0º C.

Receipt Exceptions
The Eurofins Eaton Chain-of-Custody (COC) was not received with these samples. Samples were initially logged in with client sample IDs. The Eaton COC was received via email on December 23, 2021 and sample IDs were changed to match Eaton's IDs: 202112220449 (320-83284-1), 202112220450 (320-83284-2), 202112220451 (320-83284-3) and 202112220452 (320-83284-4).

The collection date for the following sample is listed on the Chain of Custody (COC) as 12/08/21, while the date on the container(s) is listed as 12/18/21. Client confirmed via email sent on 12/24/21 that correct date is 12/18/21: 202112220452 (320-83284-4).

The collection time listed on the containers for the following samples did not match the time listed on the Chain of Custody (COC). Client confirmed via email sent on 12/24/21 that times listed on COC are correct: 202112220449 (320-83284-1), 202112220450 (320-83284-2), 202112220451 (320-83284-3) and 202112220452 (320-83284-4).

LCMS
Method 537 (modified): The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 320-553522 and analytical batch 320-554029 recovered below the default control limits (70-130%) for the following analyte: 7:3 FTCA. This is a relatively new analyte and data is still being collected to establish actual control limits. At this time, control charting of recent LCS recoveries for this analyte indicate limits may be 63-113%. The recoveries are within this range, and there is no adverse impact to the data.

Method 537 (modified): Isotope Dilution Analyte (IDA) recoveries are above the method recommended limit for the following sample: 202112220449 (320-83284-1) and (LCSD 320-553522/3-A). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

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

Organic Prep
Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-553522.

Method 3535: The SOP is based on a 250 mL volume of sample, but the following samples were received in 500 mL bottle. A 250 mL aliquot was taken but the container could not be solvent rinsed, thus there is potential for a low biased result. Client was aware of this SOP deviation and approved the analyses. 202112220449 (320-83284-1), 202112220450 (320-83284-2), 202112220451 (320-83284-3) and 202112220452 (320-83284-4).
preparation batch 320-553522.

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

Detection Summary

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Client Sample ID: 202112220449 — Lab Sample ID: 320-83284-1

No Detections.

Client Sample ID: 202112220450 — Lab Sample ID: 320-83284-2

No Detections.

Client Sample ID: 202112220451 — Lab Sample ID: 320-83284-3

No Detections.

Client Sample ID: 202112220452 — Lab Sample ID: 320-83284-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Client Sample ID: 202112220449
Date Collected: 12/18/21 09:55
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-1
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.7		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorononanesulfonic acid (PFNS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
NMeFOSAA	ND		4.7		ng/L		12/23/21 13:24	12/27/21 16:16	1
NEtFOSAA	ND		4.7		ng/L		12/23/21 13:24	12/27/21 16:16	1
4:2 FTS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
6:2 FTS	ND		4.7		ng/L		12/23/21 13:24	12/27/21 16:16	1
8:2 FTS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
NEtFOSA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
NMeFOSA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
NMeFOSE	ND		3.8		ng/L		12/23/21 13:24	12/27/21 16:16	1
NEtFOSE	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
9Cl-PF3ONS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
HFPO-DA (GenX)	ND		3.8		ng/L		12/23/21 13:24	12/27/21 16:16	1
11Cl-PF3OUdS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
3:3 FTCA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
5:3 FTCA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
7:3 FTCA	ND	*-	1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
NFDHA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
PFMBA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
PFMPA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1
PFEESA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*78*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:16*	*1*
13C4 PFBA	*110*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:16*	*1*
13C5 PFPeA	*126*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:16*	*1*
13C2 PFHxA	*118*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:16*	*1*
13C4 PFHpA	*120*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:16*	*1*

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Client Sample ID: 202112220449
Date Collected: 12/18/21 09:55
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-1
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	118		25 - 150	12/23/21 13:24	12/27/21 16:16	1
13C5 PFNA	119		25 - 150	12/23/21 13:24	12/27/21 16:16	1
13C2 PFDA	114		25 - 150	12/23/21 13:24	12/27/21 16:16	1
13C2 PFUnA	121		25 - 150	12/23/21 13:24	12/27/21 16:16	1
13C2 PFDoA	119		25 - 150	12/23/21 13:24	12/27/21 16:16	1
13C2 PFTeDA	120		25 - 150	12/23/21 13:24	12/27/21 16:16	1
13C3 PFBS	126		25 - 150	12/23/21 13:24	12/27/21 16:16	1
18O2 PFHxS	104		25 - 150	12/23/21 13:24	12/27/21 16:16	1
13C4 PFOS	109		25 - 150	12/23/21 13:24	12/27/21 16:16	1
d3-NMeFOSAA	119		25 - 150	12/23/21 13:24	12/27/21 16:16	1
d5-NEtFOSAA	132		25 - 150	12/23/21 13:24	12/27/21 16:16	1
M2-4:2 FTS	125		25 - 150	12/23/21 13:24	12/27/21 16:16	1
M2-6:2 FTS	127		25 - 150	12/23/21 13:24	12/27/21 16:16	1
M2-8:2 FTS	128		25 - 150	12/23/21 13:24	12/27/21 16:16	1
d-N-MeFOSA-M	81		20 - 150	12/23/21 13:24	12/27/21 16:16	1
d-N-EtFOSA-M	91		20 - 150	12/23/21 13:24	12/27/21 16:16	1
d7-N-MeFOSE-M	117		10 - 120	12/23/21 13:24	12/27/21 16:16	1
d9-N-EtFOSE-M	123	*5+	10 - 120	12/23/21 13:24	12/27/21 16:16	1
13C3 HFPO-DA	126		25 - 150	12/23/21 13:24	12/27/21 16:16	1
13C-6:2 FTCA	131		25 - 150	12/23/21 13:24	12/27/21 16:16	1
13C-8:2 FTCA	144		25 - 150	12/23/21 13:24	12/27/21 16:16	1

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Client Sample ID: 202112220450
Date Collected: 12/18/21 10:50
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-2
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.8		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorononanesulfonic acid (PFNS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
NMeFOSAA	ND		4.8		ng/L		12/23/21 13:24	12/27/21 16:26	1
NEtFOSAA	ND		4.8		ng/L		12/23/21 13:24	12/27/21 16:26	1
4:2 FTS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
6:2 FTS	ND		4.8		ng/L		12/23/21 13:24	12/27/21 16:26	1
8:2 FTS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
NEtFOSA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
NMeFOSA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
NMeFOSE	ND		3.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
NEtFOSE	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
9Cl-PF3ONS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
HFPO-DA (GenX)	ND		3.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
11Cl-PF3OUdS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
3:3 FTCA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
5:3 FTCA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
7:3 FTCA	ND	*-	1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
NFDHA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
PFMBA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
PFMPA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1
PFEESA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*73*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:26*	*1*
13C4 PFBA	*98*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:26*	*1*
13C5 PFPeA	*111*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:26*	*1*
13C2 PFHxA	*100*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:26*	*1*
13C4 PFHpA	*106*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:26*	*1*

Client Sample ID: 202112220450
Date Collected: 12/18/21 10:50
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-2
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	108		25 - 150	12/23/21 13:24	12/27/21 16:26	1
13C5 PFNA	101		25 - 150	12/23/21 13:24	12/27/21 16:26	1
13C2 PFDA	106		25 - 150	12/23/21 13:24	12/27/21 16:26	1
13C2 PFUnA	112		25 - 150	12/23/21 13:24	12/27/21 16:26	1
13C2 PFDoA	107		25 - 150	12/23/21 13:24	12/27/21 16:26	1
13C2 PFTeDA	108		25 - 150	12/23/21 13:24	12/27/21 16:26	1
13C3 PFBS	117		25 - 150	12/23/21 13:24	12/27/21 16:26	1
18O2 PFHxS	90		25 - 150	12/23/21 13:24	12/27/21 16:26	1
13C4 PFOS	98		25 - 150	12/23/21 13:24	12/27/21 16:26	1
d3-NMeFOSAA	111		25 - 150	12/23/21 13:24	12/27/21 16:26	1
d5-NEtFOSAA	121		25 - 150	12/23/21 13:24	12/27/21 16:26	1
M2-4:2 FTS	104		25 - 150	12/23/21 13:24	12/27/21 16:26	1
M2-6:2 FTS	109		25 - 150	12/23/21 13:24	12/27/21 16:26	1
M2-8:2 FTS	124		25 - 150	12/23/21 13:24	12/27/21 16:26	1
d-N-MeFOSA-M	78		20 - 150	12/23/21 13:24	12/27/21 16:26	1
d-N-EtFOSA-M	85		20 - 150	12/23/21 13:24	12/27/21 16:26	1
d7-N-MeFOSE-M	102		10 - 120	12/23/21 13:24	12/27/21 16:26	1
d9-N-EtFOSE-M	108		10 - 120	12/23/21 13:24	12/27/21 16:26	1
13C3 HFPO-DA	113		25 - 150	12/23/21 13:24	12/27/21 16:26	1
13C-6:2 FTCA	117		25 - 150	12/23/21 13:24	12/27/21 16:26	1
13C-8:2 FTCA	116		25 - 150	12/23/21 13:24	12/27/21 16:26	1

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Client Sample ID: 202112220451
Date Collected: 12/18/21 11:20
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-3
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.8		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorononanesulfonic acid (PFNS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
NMeFOSAA	ND		4.8		ng/L		12/23/21 13:24	12/27/21 16:36	1
NEtFOSAA	ND		4.8		ng/L		12/23/21 13:24	12/27/21 16:36	1
4:2 FTS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
6:2 FTS	ND		4.8		ng/L		12/23/21 13:24	12/27/21 16:36	1
8:2 FTS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
NEtFOSA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
NMeFOSA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
NMeFOSE	ND		3.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
NEtFOSE	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
9Cl-PF3ONS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
HFPO-DA (GenX)	ND		3.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
11Cl-PF3OUdS	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
3:3 FTCA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
5:3 FTCA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
7:3 FTCA	ND	*-	1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
NFDHA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
PFMBA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
PFMPA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1
PFEESA	ND		1.9		ng/L		12/23/21 13:24	12/27/21 16:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*79*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:36*	*1*
13C4 PFBA	*105*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:36*	*1*
13C5 PFPeA	*120*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:36*	*1*
13C2 PFHxA	*106*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:36*	*1*
13C4 PFHpA	*116*		*25 - 150*	*12/23/21 13:24*	*12/27/21 16:36*	*1*

Client Sample ID: 202112220451
Date Collected: 12/18/21 11:20
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-3
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	110		25 - 150	12/23/21 13:24	12/27/21 16:36	1
13C5 PFNA	109		25 - 150	12/23/21 13:24	12/27/21 16:36	1
13C2 PFDA	115		25 - 150	12/23/21 13:24	12/27/21 16:36	1
13C2 PFUnA	123		25 - 150	12/23/21 13:24	12/27/21 16:36	1
13C2 PFDoA	110		25 - 150	12/23/21 13:24	12/27/21 16:36	1
13C2 PFTeDA	113		25 - 150	12/23/21 13:24	12/27/21 16:36	1
13C3 PFBS	123		25 - 150	12/23/21 13:24	12/27/21 16:36	1
18O2 PFHxS	98		25 - 150	12/23/21 13:24	12/27/21 16:36	1
13C4 PFOS	104		25 - 150	12/23/21 13:24	12/27/21 16:36	1
d3-NMeFOSAA	115		25 - 150	12/23/21 13:24	12/27/21 16:36	1
d5-NEtFOSAA	130		25 - 150	12/23/21 13:24	12/27/21 16:36	1
M2-4:2 FTS	116		25 - 150	12/23/21 13:24	12/27/21 16:36	1
M2-6:2 FTS	120		25 - 150	12/23/21 13:24	12/27/21 16:36	1
M2-8:2 FTS	139		25 - 150	12/23/21 13:24	12/27/21 16:36	1
d-N-MeFOSA-M	84		20 - 150	12/23/21 13:24	12/27/21 16:36	1
d-N-EtFOSA-M	88		20 - 150	12/23/21 13:24	12/27/21 16:36	1
d7-N-MeFOSE-M	107		10 - 120	12/23/21 13:24	12/27/21 16:36	1
d9-N-EtFOSE-M	110		10 - 120	12/23/21 13:24	12/27/21 16:36	1
13C3 HFPO-DA	119		25 - 150	12/23/21 13:24	12/27/21 16:36	1
13C-6:2 FTCA	116		25 - 150	12/23/21 13:24	12/27/21 16:36	1
13C-8:2 FTCA	130		25 - 150	12/23/21 13:24	12/27/21 16:36	1

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Client Sample ID: 202112220452
Date Collected: 12/18/21 12:08
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-4
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.9		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
NMeFOSAA	ND		4.9		ng/L		12/23/21 13:24	12/27/21 17:07	1
NEtFOSAA	ND		4.9		ng/L		12/23/21 13:24	12/27/21 17:07	1
4:2 FTS	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
6:2 FTS	ND		4.9		ng/L		12/23/21 13:24	12/27/21 17:07	1
8:2 FTS	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
NEtFOSA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
NMeFOSA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
NMeFOSE	ND		4.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
NEtFOSE	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
9Cl-PF3ONS	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
HFPO-DA (GenX)	ND		4.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
11Cl-PF3OUdS	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
3:3 FTCA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
5:3 FTCA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
7:3 FTCA	ND	*-	2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
NFDHA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
PFMBA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
PFMPA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1
PFEESA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 17:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*77*		*25 - 150*	*12/23/21 13:24*	*12/27/21 17:07*	*1*
13C4 PFBA	*100*		*25 - 150*	*12/23/21 13:24*	*12/27/21 17:07*	*1*
13C5 PFPeA	*109*		*25 - 150*	*12/23/21 13:24*	*12/27/21 17:07*	*1*
13C2 PFHxA	*104*		*25 - 150*	*12/23/21 13:24*	*12/27/21 17:07*	*1*
13C4 PFHpA	*110*		*25 - 150*	*12/23/21 13:24*	*12/27/21 17:07*	*1*

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Client Sample ID: 202112220452
Date Collected: 12/18/21 12:08
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-4
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	108		25 - 150	12/23/21 13:24	12/27/21 17:07	1
13C5 PFNA	107		25 - 150	12/23/21 13:24	12/27/21 17:07	1
13C2 PFDA	109		25 - 150	12/23/21 13:24	12/27/21 17:07	1
13C2 PFUnA	119		25 - 150	12/23/21 13:24	12/27/21 17:07	1
13C2 PFDoA	111		25 - 150	12/23/21 13:24	12/27/21 17:07	1
13C2 PFTeDA	110		25 - 150	12/23/21 13:24	12/27/21 17:07	1
13C3 PFBS	118		25 - 150	12/23/21 13:24	12/27/21 17:07	1
18O2 PFHxS	99		25 - 150	12/23/21 13:24	12/27/21 17:07	1
13C4 PFOS	100		25 - 150	12/23/21 13:24	12/27/21 17:07	1
d3-NMeFOSAA	116		25 - 150	12/23/21 13:24	12/27/21 17:07	1
d5-NEtFOSAA	134		25 - 150	12/23/21 13:24	12/27/21 17:07	1
M2-4:2 FTS	114		25 - 150	12/23/21 13:24	12/27/21 17:07	1
M2-6:2 FTS	114		25 - 150	12/23/21 13:24	12/27/21 17:07	1
M2-8:2 FTS	124		25 - 150	12/23/21 13:24	12/27/21 17:07	1
d-N-MeFOSA-M	79		20 - 150	12/23/21 13:24	12/27/21 17:07	1
d-N-EtFOSA-M	88		20 - 150	12/23/21 13:24	12/27/21 17:07	1
d7-N-MeFOSE-M	111		10 - 120	12/23/21 13:24	12/27/21 17:07	1
d9-N-EtFOSE-M	110		10 - 120	12/23/21 13:24	12/27/21 17:07	1
13C3 HFPO-DA	112		25 - 150	12/23/21 13:24	12/27/21 17:07	1
13C-6:2 FTCA	122		25 - 150	12/23/21 13:24	12/27/21 17:07	1
13C-8:2 FTCA	117		25 - 150	12/23/21 13:24	12/27/21 17:07	1

Isotope Dilution Summary

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFOSA (25-150)	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)
320-83284-1	202112220449	78	110	126	118	120	118	119	114
320-83284-2	202112220450	73	98	111	100	106	108	101	106
320-83284-3	202112220451	79	105	120	106	116	110	109	115
320-83284-4	202112220452	77	100	109	104	110	108	107	109
LCS 320-553522/2-A	Lab Control Sample	90	112	125	115	118	122	117	117
LCSD 320-553522/3-A	Lab Control Sample Dup	89	110	123	116	122	116	120	123
MB 320-553522/1-A - RA	Method Blank								
MB 320-553522/1-A	Method Blank	87	103	114	109	113	114	114	115

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFUnA (25-150)	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-83284-1	202112220449	121	119	120	126	104	109	119	132
320-83284-2	202112220450	112	107	108	117	90	98	111	121
320-83284-3	202112220451	123	110	113	123	98	104	115	130
320-83284-4	202112220452	119	111	110	118	99	100	116	134
LCS 320-553522/2-A	Lab Control Sample	124	124	124	123	104	112	130	140
LCSD 320-553522/3-A	Lab Control Sample Dup	127	118	124	130	107	114	142	141
MB 320-553522/1-A - RA	Method Blank								
MB 320-553522/1-A	Method Blank	120	123	118	119	99	106	126	142

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	dMeFOSA (20-150)	dEtFOSA (20-150)	NMFM (10-120)	NEFM (10-120)	HFPODA (25-150)
320-83284-1	202112220449	125	127	128	81	91	117	123 *5+	126
320-83284-2	202112220450	104	109	124	78	85	102	108	113
320-83284-3	202112220451	116	120	139	84	88	107	110	119
320-83284-4	202112220452	114	114	124	79	88	111	110	112
LCS 320-553522/2-A	Lab Control Sample	139	132	140	89	94	120	116	122
LCSD 320-553522/3-A	Lab Control Sample Dup	143	131	140	99	100	117	124 *5+	124
MB 320-553522/1-A - RA	Method Blank								
MB 320-553522/1-A	Method Blank	135	136	138	88	95	112	114	113

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	MFHEA (25-150)	MFOEA (25-150)
320-83284-1	202112220449	131	144
320-83284-2	202112220450	117	116
320-83284-3	202112220451	116	130
320-83284-4	202112220452	122	117
LCS 320-553522/2-A	Lab Control Sample	137	150
LCSD 320-553522/3-A	Lab Control Sample Dup	133	159 *5+
MB 320-553522/1-A - RA	Method Blank		147
MB 320-553522/1-A	Method Blank	123	

Surrogate Legend

PFOSA = 13C8 FOSA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA

Isotope Dilution Summary

Client: Eurofins Eaton Analytical
Job ID: 320-83284-1
Project/Site: Folder 976779, Job# 1000014

PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
HFPODA = 13C3 HFPO-DA
MFHEA = 13C-6:2 FTCA
MFOEA = 13C-8:2 FTCA

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-553522/1-A
Matrix: Water
Analysis Batch: 554029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 553522

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		5.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
NMeFOSAA	ND		5.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
NEtFOSAA	ND		5.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
4:2 FTS	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
6:2 FTS	ND		5.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
8:2 FTS	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
NEtFOSA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
NMeFOSA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
NMeFOSE	ND		4.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
NEtFOSE	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
9Cl-PF3ONS	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
HFPO-DA (GenX)	ND		4.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
11Cl-PF3OUdS	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
3:3 FTCA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
5:3 FTCA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
NFDHA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
PFMBA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
PFMPA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1
PFEESA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 11:10	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*87*		*25 - 150*	*12/23/21 13:24*	*12/27/21 11:10*	*1*
13C4 PFBA	*103*		*25 - 150*	*12/23/21 13:24*	*12/27/21 11:10*	*1*
13C5 PFPeA	*114*		*25 - 150*	*12/23/21 13:24*	*12/27/21 11:10*	*1*
13C2 PFHxA	*109*		*25 - 150*	*12/23/21 13:24*	*12/27/21 11:10*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-553522/1-A
Matrix: Water
Analysis Batch: 554029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 553522

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	113		25 - 150	12/23/21 13:24	12/27/21 11:10	1
13C4 PFOA	114		25 - 150	12/23/21 13:24	12/27/21 11:10	1
13C5 PFNA	114		25 - 150	12/23/21 13:24	12/27/21 11:10	1
13C2 PFDA	115		25 - 150	12/23/21 13:24	12/27/21 11:10	1
13C2 PFUnA	120		25 - 150	12/23/21 13:24	12/27/21 11:10	1
13C2 PFDoA	123		25 - 150	12/23/21 13:24	12/27/21 11:10	1
13C2 PFTeDA	118		25 - 150	12/23/21 13:24	12/27/21 11:10	1
13C3 PFBS	119		25 - 150	12/23/21 13:24	12/27/21 11:10	1
18O2 PFHxS	99		25 - 150	12/23/21 13:24	12/27/21 11:10	1
13C4 PFOS	106		25 - 150	12/23/21 13:24	12/27/21 11:10	1
d3-NMeFOSAA	126		25 - 150	12/23/21 13:24	12/27/21 11:10	1
d5-NEtFOSAA	142		25 - 150	12/23/21 13:24	12/27/21 11:10	1
M2-4:2 FTS	135		25 - 150	12/23/21 13:24	12/27/21 11:10	1
M2-6:2 FTS	136		25 - 150	12/23/21 13:24	12/27/21 11:10	1
M2-8:2 FTS	138		25 - 150	12/23/21 13:24	12/27/21 11:10	1
d-N-MeFOSA-M	88		20 - 150	12/23/21 13:24	12/27/21 11:10	1
d-N-EtFOSA-M	95		20 - 150	12/23/21 13:24	12/27/21 11:10	1
d7-N-MeFOSE-M	112		10 - 120	12/23/21 13:24	12/27/21 11:10	1
d9-N-EtFOSE-M	114		10 - 120	12/23/21 13:24	12/27/21 11:10	1
13C3 HFPO-DA	113		25 - 150	12/23/21 13:24	12/27/21 11:10	1
13C-6:2 FTCA	123		25 - 150	12/23/21 13:24	12/27/21 11:10	1

Lab Sample ID: LCS 320-553522/2-A
Matrix: Water
Analysis Batch: 554029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 553522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	36.6		ng/L		92	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	33.6		ng/L		84	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	37.8		ng/L		95	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	37.3		ng/L		93	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	33.1		ng/L		83	70 - 130
Perfluorononanoic acid (PFNA)	40.0	36.4		ng/L		91	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	35.7		ng/L		89	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	35.0		ng/L		88	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	38.2		ng/L		95	71 - 131
Perfluorotridecanoic acid (PFTrDA)	40.0	37.1		ng/L		93	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	33.8		ng/L		85	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	29.6		ng/L		84	67 - 127
Perfluoropentanesulfonic acid (PFPeS)	37.5	30.4		ng/L		81	66 - 126
Perfluorohexanesulfonic acid (PFHxS)	36.4	33.5		ng/L		92	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	34.7		ng/L		91	76 - 136

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-553522/2-A
Matrix: Water
Analysis Batch: 554029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 553522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonic acid (PFOS)	37.1	33.4		ng/L		90	70 - 130
Perfluorononanesulfonic acid (PFNS)	38.4	36.1		ng/L		94	75 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	36.2		ng/L		94	71 - 131
Perfluorododecanesulfonic acid (PFDoS)	38.7	31.0		ng/L		80	67 - 127
Perfluorooctanesulfonamide (FOSA)	40.0	45.8		ng/L		115	73 - 133
NMeFOSAA	40.0	37.4		ng/L		93	76 - 136
NEtFOSAA	40.0	36.1		ng/L		90	76 - 136
4:2 FTS	37.4	33.9		ng/L		91	79 - 139
6:2 FTS	37.9	37.6		ng/L		99	59 - 175
8:2 FTS	38.3	33.3		ng/L		87	75 - 135
NEtFOSA	40.0	37.9		ng/L		95	78 - 138
NMeFOSA	40.0	38.2		ng/L		96	67 - 154
NMeFOSE	40.0	38.1		ng/L		95	70 - 130
NEtFOSE	40.0	34.9		ng/L		87	71 - 131
9Cl-PF3ONS	37.3	36.2		ng/L		97	75 - 135
HFPO-DA (GenX)	40.0	38.5		ng/L		96	51 - 173
11Cl-PF3OUdS	37.7	34.1		ng/L		91	54 - 114
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	37.3		ng/L		99	79 - 139
3:3 FTCA	40.0	36.0		ng/L		90	70 - 130
5:3 FTCA	40.0	31.9		ng/L		80	70 - 130
7:3 FTCA	40.0	26.8	*-	ng/L		67	70 - 130
NFDHA	40.0	38.5		ng/L		96	70 - 130
PFMBA	40.0	35.5		ng/L		89	70 - 130
PFMPA	40.0	34.5		ng/L		86	70 - 130
PFEESA	35.6	28.5		ng/L		80	70 - 130

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C8 FOSA	*90*		*25 - 150*
13C4 PFBA	*112*		*25 - 150*
13C5 PFPeA	*125*		*25 - 150*
13C2 PFHxA	*115*		*25 - 150*
13C4 PFHpA	*118*		*25 - 150*
13C4 PFOA	*122*		*25 - 150*
13C5 PFNA	*117*		*25 - 150*
13C2 PFDA	*117*		*25 - 150*
13C2 PFUnA	*124*		*25 - 150*
13C2 PFDoA	*124*		*25 - 150*
13C2 PFTeDA	*124*		*25 - 150*
13C3 PFBS	*123*		*25 - 150*
18O2 PFHxS	*104*		*25 - 150*
13C4 PFOS	*112*		*25 - 150*
d3-NMeFOSAA	*130*		*25 - 150*
d5-NEtFOSAA	*140*		*25 - 150*
M2-4:2 FTS	*139*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-553522/2-A
Matrix: Water
Analysis Batch: 554029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 553522

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	132		25 - 150
M2-8:2 FTS	140		25 - 150
d-N-MeFOSA-M	89		20 - 150
d-N-EtFOSA-M	94		20 - 150
d7-N-MeFOSE-M	120		10 - 120
d9-N-EtFOSE-M	116		10 - 120
13C3 HFPO-DA	122		25 - 150
13C-6:2 FTCA	137		25 - 150
13C-8:2 FTCA	150		25 - 150

Lab Sample ID: LCSD 320-553522/3-A
Matrix: Water
Analysis Batch: 554029

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 553522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	37.3		ng/L		93	76 - 136	2	30
Perfluoropentanoic acid (PFPeA)			40.0	32.6		ng/L		81	71 - 131	3	30
Perfluorohexanoic acid (PFHxA)			40.0	38.3		ng/L		96	73 - 133	1	30
Perfluoroheptanoic acid (PFHpA)			40.0	35.0		ng/L		87	72 - 132	6	30
Perfluorooctanoic acid (PFOA)			40.0	35.8		ng/L		89	70 - 130	8	30
Perfluorononanoic acid (PFNA)			40.0	35.3		ng/L		88	75 - 135	3	30
Perfluorodecanoic acid (PFDA)			40.0	34.8		ng/L		87	76 - 136	2	30
Perfluoroundecanoic acid (PFUnA)			40.0	35.2		ng/L		88	68 - 128	0	30
Perfluorododecanoic acid (PFDoA)			40.0	39.9		ng/L		100	71 - 131	4	30
Perfluorotridecanoic acid (PFTrDA)			40.0	38.1		ng/L		95	71 - 131	3	30
Perfluorotetradecanoic acid (PFTeA)			40.0	33.7		ng/L		84	70 - 130	0	30
Perfluorobutanesulfonic acid (PFBS)			35.4	27.8		ng/L		79	67 - 127	6	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	30.2		ng/L		81	66 - 126	1	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	32.8		ng/L		90	59 - 119	2	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	33.7		ng/L		88	76 - 136	3	30
Perfluorooctanesulfonic acid (PFOS)			37.1	33.1		ng/L		89	70 - 130	1	30
Perfluorononanesulfonic acid (PFNS)			38.4	33.8		ng/L		88	75 - 135	7	30
Perfluorodecanesulfonic acid (PFDS)			38.6	35.4		ng/L		92	71 - 131	2	30
Perfluorododecanesulfonic acid (PFDoS)			38.7	30.7		ng/L		79	67 - 127	1	30
Perfluorooctanesulfonamide (FOSA)			40.0	46.9		ng/L		117	73 - 133	2	30
NMeFOSAA			40.0	33.9		ng/L		85	76 - 136	10	30
NEtFOSAA			40.0	36.1		ng/L		90	76 - 136	0	30
4:2 FTS			37.4	33.5		ng/L		90	79 - 139	1	30
6:2 FTS			37.9	36.8		ng/L		97	59 - 175	2	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-553522/3-A
Matrix: Water
Analysis Batch: 554029

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 553522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
8:2 FTS			38.3	33.0		ng/L		86	75 - 135	1	30
NEtFOSA			40.0	37.0		ng/L		93	78 - 138	2	30
NMeFOSA			40.0	35.3		ng/L		88	67 - 154	8	30
NMeFOSE			40.0	39.5		ng/L		99	70 - 130	4	30
NEtFOSE			40.0	34.0		ng/L		85	71 - 131	2	30
9Cl-PF3ONS			37.3	34.9		ng/L		94	75 - 135	4	30
HFPO-DA (GenX)			40.0	37.9		ng/L		95	51 - 173	2	30
11Cl-PF3OUdS			37.7	33.5		ng/L		89	54 - 114	2	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	37.9		ng/L		101	79 - 139	2	30
3:3 FTCA			40.0	32.9		ng/L		82	70 - 130	9	30
5:3 FTCA			40.0	33.9		ng/L		85	70 - 130	6	30
7:3 FTCA			40.0	25.9	*-	ng/L		65	70 - 130	3	30
NFDHA			40.0	38.2		ng/L		96	70 - 130	1	30
PFMBA			40.0	36.4		ng/L		91	70 - 130	2	30
PFMPA			40.0	33.6		ng/L		84	70 - 130	3	30
PFEESA			35.6	27.6		ng/L		77	70 - 130	3	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C8 FOSA	*89*		*25 - 150*
13C4 PFBA	*110*		*25 - 150*
13C5 PFPeA	*123*		*25 - 150*
13C2 PFHxA	*116*		*25 - 150*
13C4 PFHpA	*122*		*25 - 150*
13C4 PFOA	*116*		*25 - 150*
13C5 PFNA	*120*		*25 - 150*
13C2 PFDA	*123*		*25 - 150*
13C2 PFUnA	*127*		*25 - 150*
13C2 PFDoA	*118*		*25 - 150*
13C2 PFTeDA	*124*		*25 - 150*
13C3 PFBS	*130*		*25 - 150*
18O2 PFHxS	*107*		*25 - 150*
13C4 PFOS	*114*		*25 - 150*
d3-NMeFOSAA	*142*		*25 - 150*
d5-NEtFOSAA	*141*		*25 - 150*
M2-4:2 FTS	*143*		*25 - 150*
M2-6:2 FTS	*131*		*25 - 150*
M2-8:2 FTS	*140*		*25 - 150*
d-N-MeFOSA-M	*99*		*20 - 150*
d-N-EtFOSA-M	*100*		*20 - 150*
d7-N-MeFOSE-M	*117*		*10 - 120*
d9-N-EtFOSE-M	*124*	*5+	*10 - 120*
13C3 HFPO-DA	*124*		*25 - 150*
13C-6:2 FTCA	*133*		*25 - 150*
13C-8:2 FTCA	*159*	*5+	*25 - 150*

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Method: 537 (modified) - Fluorinated Alkyl Substances - RA

Lab Sample ID: MB 320-553522/1-A
Matrix: Water
Analysis Batch: 554029

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 553522

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
7:3 FTCA - RA	ND		2.0		ng/L		12/23/21 13:24	12/27/21 14:24	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-8:2 FTCA - RA	*147*		*25 - 150*	*12/23/21 13:24*	*12/27/21 14:24*	*1*

QC Association Summary

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

LCMS

Prep Batch: 553522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-83284-1	202112220449	Total/NA	Water	3535	
320-83284-2	202112220450	Total/NA	Water	3535	
320-83284-3	202112220451	Total/NA	Water	3535	
320-83284-4	202112220452	Total/NA	Water	3535	
MB 320-553522/1-A	Method Blank	Total/NA	Water	3535	
MB 320-553522/1-A - RA	Method Blank	Total/NA	Water	3535	
LCS 320-553522/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-553522/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 554029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-83284-1	202112220449	Total/NA	Water	537 (modified)	553522
320-83284-2	202112220450	Total/NA	Water	537 (modified)	553522
320-83284-3	202112220451	Total/NA	Water	537 (modified)	553522
320-83284-4	202112220452	Total/NA	Water	537 (modified)	553522
MB 320-553522/1-A	Method Blank	Total/NA	Water	537 (modified)	553522
MB 320-553522/1-A - RA	Method Blank	Total/NA	Water	537 (modified)	553522
LCS 320-553522/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	553522
LCSD 320-553522/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	553522

Lab Chronicle

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Client Sample ID: 202112220449
Date Collected: 12/18/21 09:55
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			264.4 mL	10.0 mL	553522	12/23/21 13:24	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			554029	12/27/21 16:16	AEC	TAL SAC

Client Sample ID: 202112220450
Date Collected: 12/18/21 10:50
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			258.4 mL	10.0 mL	553522	12/23/21 13:24	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			554029	12/27/21 16:26	AEC	TAL SAC

Client Sample ID: 202112220451
Date Collected: 12/18/21 11:20
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			259.6 mL	10.0 mL	553522	12/23/21 13:24	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			554029	12/27/21 16:36	AEC	TAL SAC

Client Sample ID: 202112220452
Date Collected: 12/18/21 12:08
Date Received: 12/22/21 11:10

Lab Sample ID: 320-83284-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			252.9 mL	10.0 mL	553522	12/23/21 13:24	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			554029	12/27/21 17:07	AEC	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Eurofins Eaton Analytical
Job ID: 320-83284-1
Project/Site: Folder 976779, Job# 1000014

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	<cert No.>	01-29-22

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

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	3535	Water	11Cl-PF3OUdS
537 (modified)	3535	Water	3:3 FTCA
537 (modified)	3535	Water	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
537 (modified)	3535	Water	4:2 FTS
537 (modified)	3535	Water	5:3 FTCA
537 (modified)	3535	Water	6:2 FTS
537 (modified)	3535	Water	7:3 FTCA
537 (modified)	3535	Water	8:2 FTS
537 (modified)	3535	Water	9Cl-PF3ONS
537 (modified)	3535	Water	HFPO-DA (GenX)
537 (modified)	3535	Water	NEtFOSA
537 (modified)	3535	Water	NEtFOSAA
537 (modified)	3535	Water	NEtFOSE
537 (modified)	3535	Water	NFDHA
537 (modified)	3535	Water	NMeFOSA
537 (modified)	3535	Water	NMeFOSAA
537 (modified)	3535	Water	NMeFOSE
537 (modified)	3535	Water	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	3535	Water	Perfluorobutanoic acid (PFBA)
537 (modified)	3535	Water	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	3535	Water	Perfluorodecanoic acid (PFDA)
537 (modified)	3535	Water	Perfluorododecanesulfonic acid (PFDoS)
537 (modified)	3535	Water	Perfluorododecanoic acid (PFDoA)
537 (modified)	3535	Water	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	3535	Water	Perfluoroheptanoic acid (PFHpA)
537 (modified)	3535	Water	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	3535	Water	Perfluorohexanoic acid (PFHxA)
537 (modified)	3535	Water	Perfluorononanesulfonic acid (PFNS)
537 (modified)	3535	Water	Perfluorononanoic acid (PFNA)
537 (modified)	3535	Water	Perfluorooctanesulfonamide (FOSA)
537 (modified)	3535	Water	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	3535	Water	Perfluorooctanoic acid (PFOA)
537 (modified)	3535	Water	Perfluoropentanesulfonic acid (PFPeS)
537 (modified)	3535	Water	Perfluoropentanoic acid (PFPeA)
537 (modified)	3535	Water	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	3535	Water	Perfluorotridecanoic acid (PFTrDA)
537 (modified)	3535	Water	Perfluoroundecanoic acid (PFUnA)
537 (modified)	3535	Water	PFEESA
537 (modified)	3535	Water	PFMBA
537 (modified)	3535	Water	PFMPA

Method Summary

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Eurofins Eaton Analytical
Project/Site: Folder 976779, Job# 1000014

Job ID: 320-83284-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-83284-1	202112220449	Water	12/18/21 09:55	12/22/21 11:10
320-83284-2	202112220450	Water	12/18/21 10:50	12/22/21 11:10
320-83284-3	202112220451	Water	12/18/21 11:20	12/22/21 11:10
320-83284-4	202112220452	Water	12/18/21 12:08	12/22/21 11:10

eurofins | Eaton Analytical

Submittal Form

Date: 12/23/2021

Ship To:
`Test America, Inc - Sacramento
880 Riverside Parkway

West Sacramento, CA 95605-1501

Phone: 916-373-5600 Fax: 916-372-7768

REPORTING REQUIRMENTS:** ***Do Not Combine Reports with any other samples submitted under different Folder Numbers!
Report & Invoice must have the Folder # **976779** 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 StateCertification # and Exp Date for requested tests + matrix.

Samples from: **HAWAII**

5 day rush
Red hill

Folder #: **976779**
Report Due: **01/07/2022**

Sample ID	Client Sample ID for reference onl	Sample	Date & Time	Matrix	Clip Code	PWSID
202112220449	1301 McMurty Court		12/18/21 0955	Drinking Wa		JLS

Sample type: **Sample Event:** **Facility ID:** **Sample Point ID:** **Static ID:** PFAS 1633 40

Method	Prep Method	Analysis Requested
EPA 537 Modified		PFAS 537 mod with 1633 list

Sample ID	Client Sample ID for reference onl	Sample	Date & Time	Matrix	Clip Code	PWSID
202112220450	187 Honohono Street		12/18/21 1050	Drinking Wa		JLS

Sample type: **Sample Event:** **Facility ID:** **Sample Point ID:** **Static ID:** PFAS 1633 40

Method	Prep Method	Analysis Requested
EPA 537 Modified		PFAS 537 mod with 1633 list

Sample ID	Client Sample ID for reference onl	Sample	Date & Time	Matrix	Clip Code	PWSID
202112220451	137 Honohono Street		12/18/21 1120	Drinking Wa		JLS

Sample type: **Sample Event:** **Facility ID:** **Sample Point ID:** **Static ID:** PFAS 1633 40

Method	Prep Method	Analysis Requested
EPA 537 Modified		PFAS 537 mod with 1633 list

Relinquished by: Sample Control Date _____ Time _____

Received by: _____ Date _____ Time _____

Relinquished by: Sample Control Date _____ Time _____

Received by: _____ Date _____ Time _____

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

Sample ID	Client Sample ID for reference onl	Sample	Date & Time	Matrix	Clip Code	PWSID	
202112220452	211 Mercury, Hickam Communities Building		12/08/21 1208	Drinking Wa			JLS
Sample type:	**Sample Event:**	**Facility ID:**	**Sample Point ID:**		**Static ID:** PFAS 1633 40		

Method	Prep Method	Analysis Requested
EPA 537 Modified		PFAS 537 mod with 1633 list

Relinquished by: Sample Control Date _____ Time _____

Received by: _____ Date _____ Time _____

Relinquished by: Sample Control Date _____ Time _____

Received by: _____ Date _____ Time _____

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

>> Select a Laboratory or Service Center <<

#N/A
#N/A
#N/A
##

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☑ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	**Project Manager: Diana Felton**		COC No:
Hawaii Dept of Health	Email: diana.felton@doh.hawaii.gov	Site Contact:	Date:	_____ of _____ COCs
2385 Waimano Home Rd #100	Tel/Fax: 530-386-1571	Lab Contact:	Carrier:	TALS Project #:
Pearl City, HI 96782	**Analysis Turnaround Time**			Sampler:
808-586-4249	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
(xxx) xxx-xxxx FAX	TAT if different from Below ___5___			Walk-in Client:
Project Name: Red Hill 2021- PFAS	☐ 2 weeks			Lab Sampling:
Site:	☐ 1 week			
P O #	☐ 2 days			Job / SDG No.:
	☐ 1 day			

320-83284 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes:
1301 McMurty Court	12/18/21	0955	G	water		N	N	outside tap by front door
187 Honohono Street	12/18/21	1050	G	water		N	N	front patio spigot
137 Honohono Street	12/18/21	1120	G	water		N	N	kitchen sink
211 Mercury, Hickam Communities Building	12/08/21	1208	G	water		N	N	outside spigot

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: 4.0 Corr'd: 4.0		Therm ID No.: L-01
Relinquished by:	Hawaii Dept of Health	12/18/21 1300	Received by:	Hawaii Dept of Health	12/18/21 1300
Relinquished by:	Hawaii Dept of Health	12/21/21 1000	Received by:	Company: EEL SAC	Date/Time: 12/22/21-1110
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

O-Incorrect Sample ID times 4 Incorrect Sample container ID 4

Login Sample Receipt Checklist

Client: Eurofins Eaton Analytical

Job Number: 320-83284-1

Login Number: 83284
List Number: 1
Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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?	False	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	