

APPENDIX F

- Analytical Data Reports – Sampling of Well V201 in August 2019

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)

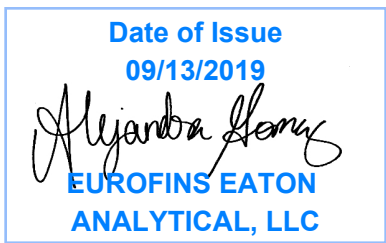


AT-1807

Laboratory Report

for

Valencia Water Company
24631 Avenue Rockefeller
Valencia, CA 91355-3907
Attention: Jenny Anderson
Fax: 661-294-3806



UTAH ELCPC CA00006

ADG: Alejandra.D.Gomez
Project Manager

Report:821954
Project:DRINKING
Group:PFOA/PFOS

* 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.

* Following the cover page are State Certification List, ISO/IEC 17025:2017 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.

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

* Test results apply to the sample(s) as received, unless EEA-M collected and analyzed the sample(s) as noted in the COC and final report.

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

* This report includes ISO/IEC 17025:2017 and non-ISO/IEC 17025:2017 accredited methods.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Montana	Cert 0035
Arizona	AZ0778	Nebraska	Certified
Arkansas	Certified	Nevada	CA000062018
California	2813	New Hampshire *	2959
Colorado	Certified	New Jersey *	CA 008
Connecticut	PH-0107	New Mexico	Certified
Delaware	CA 006	New York *	11320
Florida *	E871024	North Carolina	06701
Georgia	947	North Dakota	R-009
Guam	18-005R	Oregon *	CA200003-005
Hawaii	Certified	Pennsylvania *	68-565
Idaho	Certified	Puerto Rico	Certified
Illinois *	200033	Rhode Island	LAO00326
Indiana	C-CA-01	South Carolina	87016
Iowa - Asbestos	413	South Dakota	Certified
Kansas *	E-10268	Tennessee	TN02839
Kentucky	90107	Texas *	T104704230-18-15
Louisiana *	LA180000	Utah (Primary AB) *	CA00006
Maine	CA0006	Vermont	VT0114
Maryland	224	Virginia *	460260
Commonwealth of Northern Marianas Is.	MP0004	Washington	C838
Massachusetts	M-CA006	EPA Region 5	Certified
Michigan	9906	Los Angeles County Sanitation Districts	10264
Mississippi	Certified		

* NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO/IEC 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.
 Refer to Certificate and scope of accreditation (AT 1807) found at: <https://www.eurofinsus.com/Eaton>

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environmental (Drinking Water)	Environmental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,2,3-TCP (5 PPT & 0.5 PPT)	CA SRL 524M-TCP	x		x
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Algal Toxins/Microcystin	In House Method (3570)			
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D Palin Test	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-CI G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli	(MTF/EC+MUG)	x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DCBP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Glyphosate	EPA 547	x		x
Glyphosate + AMPA	In House Method (3618)	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environmental (Drinking Water)	Environmental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	Legiolert	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
Microcystin, Total	EPA 546	x		x
NDMA	EPA 521 In house method (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphorous	SM 4500P E	x		x
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
Perfluorinated Pollutant	In house Method (2434)	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-S ⁻ D		x	
Sulfite	SM 4500-SO ³ B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Triazine Pesticides & Degradates	In House (3617)	x		x
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x
Field Sampling	N/A			

Acknowledgement of Samples Received

Addr: **Valencia Water Company**
 24631 Avenue Rockefeller
 Valencia, CA 91355-3907

Client ID: VALENCIA
 Folder #: 821954
 Project: DRINKING
 Sample Group: PFOA/PFOS

Attn: Jenny Anderson
 Phone: 661-295-6579

Project Manager: Alejandra.D.Gomez
 Phone: 626-386-1194

The following samples were received from you on **August 15, 2019 at 17:10**. 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
<u>201908160287</u>	Well 160	08/15/2019 0955
	@PFAS_537.1_18_TA-SAC	
<u>201908160288</u>	Well 207	08/15/2019 1045
	@PFAS_537.1_18_TA-SAC	
<u>201908160289</u>	Well 201	08/15/2019 0920
	@PFAS_537.1_18_TA-SAC	
<u>201908160290</u>	Well 160 Field Blank	08/15/2019 0955
	@PFAS_537.1_18_TA-SAC FB	
<u>201908160291</u>	Well 207 Field Blank	08/15/2019 1045
	@PFAS_537.1_18_TA-SAC FB	
<u>201908160292</u>	Well 201 Field Blank	08/15/2019 0920
	@PFAS_537.1_18_TA-SAC FB	

Test Description

@PFAS_537.1_18_TA-SAC -- 18 PFAS 537.1
 @PFAS_537.1_18_TA-SAC FB -- 18 PFAS 537.1



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 821954

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 = 6169A (Observation = 9.9 °C) (Corr. Factor = 0.2 °C) (Final = 9.7 °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 _____

7) VOA Headspace: No Samples with Headspace: Samples with Headspace (see below):
Headspace Documentation (use additional VOC Internal COFC for additional bottles)

Exempt from headspace concerns: Methods 615.4, HAA(6251,552), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients:

Samp ID	Bottle #	None/<6	>6mm	Samp ID	Bottle #	None/<6	>6mm	Samp ID	Bottle #	None/<6	>6mm

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

RECEIVED BY: <u>Chuck Brooks</u>	PRINT NAME: <u>Chuck Brooks</u>	COMPANY/TITLE: <u>Eurofins Eaton Analytical</u>	DATE: <u>8.15.19</u>	TIME: <u>17:10</u>
----------------------------------	---------------------------------	---	----------------------	--------------------

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

Laboratory Comments

Report: 821954
Project: DRINKING
Group: PFOA/PFOS

Valencia Water Company
Jenny Anderson
24631 Avenue Rockefeller
Valencia, CA 91355-3907

Folder Comments

Results for 537.1 are submitted by Eurofins TestAmerica, Sacramento CA ELAP 2897 exp
01-31-20

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

Report: 821954
 Project: DRINKING
 Group: PFOA/PFOS

Valencia Water Company
 Jenny Anderson
 24631 Avenue Rockefeller
 Valencia, CA 91355-3907

Samples Received on:
 08/15/2019 17:10

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
		201908160291	<u>Well 207 Field Blank</u>			
08/31/2019 19:22	Perfluorobutanesulfonic acid (PFBS)		0.0057		ug/L	0.002
08/31/2019 19:22	Perfluoroheptanoic acid (PFHpA)		0.0023		ug/L	0.002
08/31/2019 19:22	Perfluorohexanesulfonic acid (PFHxS)		0.0039		ug/L	0.002
08/31/2019 19:22	Perfluorohexanoic acid (PFHxA)		0.013		ug/L	0.002
08/31/2019 19:22	Perfluorooctanesulfonic acid (PFOS)		0.0037		ug/L	0.002
08/31/2019 19:22	Perfluorooctanoic acid (PFOA)		0.0089		ug/L	0.002
		201908160292	<u>Well 201 Field Blank</u>			
08/31/2019 19:30	Perfluorohexanesulfonic acid (PFHxS)		0.0042		ug/L	0.002

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

Report: 821954
 Project: DRINKING
 Group: PFOA/PFOS

Valencia Water Company
 Jenny Anderson
 24631 Avenue Rockefeller
 Valencia, CA 91355-3907

Samples Received on:
 08/15/2019 17:10

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Well 160 (201908160287)					Sampled on 08/15/2019 0955				
EPA 537.1 - 18 PFAS 537.1									
08/31/19 15:28	(1)			(EPA 537.1)	11-chloroeicosafuoro-3-oxaundecane-sulfonic acid	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	9-chlorohexadecafluoro-3-oxanone-sulfonic acid	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	N-ethyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	N-methyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluorobutanesulfonic acid (PFBS)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluorodecanoic acid (PFDA)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluorododecanoic acid (PFDoA)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluoroheptanoic acid (PFHpA)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluorohexanesulfonic acid (PFHxS)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluorohexanoic acid (PFHxA)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluorononanoic acid (PFNA)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluorooctanesulfonic acid (PFOS)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluorooctanoic acid (PFOA)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluorotetradecanoic acid (PFTA)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluorotridecanoic acid (PFTrDA)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	Perfluoroundecanoic acid (PFUnA)	ND	ug/L	0.0018	1
08/31/19 15:28	(1)			(EPA 537.1)	13C2-PFDA	ND	%	130	1
08/31/19 15:28	(1)			(EPA 537.1)	13C2-PFHxA	ND	%	130	1
08/31/19 15:28	(1)			(EPA 537.1)	13C3-HFPO-DA	ND	%	130	1
08/31/19 15:28	(1)			(EPA 537.1)	d5-NEtFOSAA	ND	%	130	1
Well 207 (201908160288)					Sampled on 08/15/2019 1045				
EPA 537.1 - 18 PFAS 537.1									
08/31/19 18:58	(1)			(EPA 537.1)	11-chloroeicosafuoro-3-oxaundecane-sulfonic acid	ND	ug/L	0.002	1
08/31/19 18:58	(1)			(EPA 537.1)	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	ug/L	0.002	1
08/31/19 18:58	(1)			(EPA 537.1)	9-chlorohexadecafluoro-3-oxanone-sulfonic acid	ND	ug/L	0.002	1
08/31/19 18:58	(1)			(EPA 537.1)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	ug/L	0.002	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: 821954
 Project: DRINKING
 Group: PFOA/PFOS

Valencia Water Company
 Jenny Anderson
 24631 Avenue Rockefeller
 Valencia, CA 91355-3907

Samples Received on:
 08/15/2019 17:10

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
	08/31/19 18:58	(1)		(EPA 537.1)	N-ethyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	N-methyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluorobutanesulfonic acid (PFBS)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluorodecanoic acid (PFDA)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluorododecanoic acid (PFDoA)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluoroheptanoic acid (PFHpA)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluorohexanesulfonic acid (PFHxS)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluorohexanoic acid (PFHxA)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluorononanoic acid (PFNA)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluorooctanesulfonic acid (PFOS)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluorooctanoic acid (PFOA)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluorotetradecanoic acid (PFTA)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluorotridecanoic acid (PFTTrDA)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	Perfluoroundecanoic acid (PFUnA)	ND	ug/L	0.002	1
	08/31/19 18:58	(1)		(EPA 537.1)	13C2-PFDA	ND	%	130	1
	08/31/19 18:58	(1)		(EPA 537.1)	13C2-PFHxA	ND	%	130	1
	08/31/19 18:58	(1)		(EPA 537.1)	13C3-HFPO-DA	ND	%	130	1
	08/31/19 18:58	(1)		(EPA 537.1)	d5-NEtFOSAA	ND	%	130	1

Well 201 (201908160289)

Sampled on 08/15/2019 0920

EPA 537.1 - 18 PFAS 537.1

08/31/19 19:06	(1)	(EPA 537.1)	11-chloroeicosafuoro-3-oxaundecane-sulfonic acid	ND	ug/L	0.002	1
08/31/19 19:06	(1)	(EPA 537.1)	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	ug/L	0.002	1
08/31/19 19:06	(1)	(EPA 537.1)	9-chlorohexadecafluoro-3-oxanone-sulfonic acid	ND	ug/L	0.002	1
08/31/19 19:06	(1)	(EPA 537.1)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	ug/L	0.002	1
08/31/19 19:06	(1)	(EPA 537.1)	N-ethyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.002	1
08/31/19 19:06	(1)	(EPA 537.1)	N-methyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.002	1
08/31/19 19:06	(1)	(EPA 537.1)	Perfluorobutanesulfonic acid (PFBS)	ND	ug/L	0.002	1
08/31/19 19:06	(1)	(EPA 537.1)	Perfluorodecanoic acid (PFDA)	ND	ug/L	0.002	1
08/31/19 19:06	(1)	(EPA 537.1)	Perfluorododecanoic acid (PFDoA)	ND	ug/L	0.002	1
08/31/19 19:06	(1)	(EPA 537.1)	Perfluoroheptanoic acid (PFHpA)	ND	ug/L	0.002	1
08/31/19 19:06	(1)	(EPA 537.1)	Perfluorohexanesulfonic acid (PFHxS)	ND	ug/L	0.002	1
08/31/19 19:06	(1)	(EPA 537.1)	Perfluorohexanoic acid (PFHxA)	ND	ug/L	0.002	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: 821954
 Project: DRINKING
 Group: PFOA/PFOS

Valencia Water Company
 Jenny Anderson
 24631 Avenue Rockefeller
 Valencia, CA 91355-3907

Samples Received on:
 08/15/2019 17:10

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
	08/31/19 19:06	(1)		(EPA 537.1)	Perfluorononanoic acid (PFNA)	ND	ug/L	0.002	1
	08/31/19 19:06	(1)		(EPA 537.1)	Perfluorooctanesulfonic acid (PFOS)	ND	ug/L	0.002	1
	08/31/19 19:06	(1)		(EPA 537.1)	Perfluorooctanoic acid (PFOA)	ND	ug/L	0.002	1
	08/31/19 19:06	(1)		(EPA 537.1)	Perfluorotetradecanoic acid (PFTA)	ND	ug/L	0.002	1
	08/31/19 19:06	(1)		(EPA 537.1)	Perfluorotridecanoic acid (PFTTrDA)	ND	ug/L	0.002	1
	08/31/19 19:06	(1)		(EPA 537.1)	Perfluoroundecanoic acid (PFUnA)	ND	ug/L	0.002	1
	08/31/19 19:06	(1)		(EPA 537.1)	13C2-PFDA	ND	%	130	1
	08/31/19 19:06	(1)		(EPA 537.1)	13C2-PFHxA	ND	%	130	1
	08/31/19 19:06	(1)		(EPA 537.1)	13C3-HFPO-DA	ND	%	130	1
	08/31/19 19:06	(1)		(EPA 537.1)	d5-NEtFOSAA	ND	%	130	1

Well 160 Field Blank (201908160290)

Sampled on 08/15/2019 0955

EPA 537.1 - 18 PFAS 537.1

08/31/19 19:14	(1)	(EPA 537.1)	11-chloroeicosafuoro-3-oxaundecane-sulfonic acid	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	9-chlorohexadecafluoro-3-oxanone-sulfonic acid	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	N-ethyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	N-methyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluorobutanesulfonic acid (PFBS)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluorodecanoic acid (PFDA)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluorododecanoic acid (PFDoA)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluoroheptanoic acid (PFHpA)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluorohexanesulfonic acid (PFHxS)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluorohexanoic acid (PFHxA)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluorononanoic acid (PFNA)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluorooctanesulfonic acid (PFOS)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluorooctanoic acid (PFOA)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluorotetradecanoic acid (PFTA)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluorotridecanoic acid (PFTTrDA)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	Perfluoroundecanoic acid (PFUnA)	ND	ug/L	0.002	1
08/31/19 19:14	(1)	(EPA 537.1)	13C2-PFDA	ND	%	130	1
08/31/19 19:14	(1)	(EPA 537.1)	13C2-PFHxA	ND	%	130	1
08/31/19 19:14	(1)	(EPA 537.1)	13C3-HFPO-DA	ND	%	130	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: (866) 988-3757
 1 800 566 LABS (1 800 566 5227)

Report: 821954
 Project: DRINKING
 Group: PFOA/PFOS

Valencia Water Company
 Jenny Anderson
 24631 Avenue Rockefeller
 Valencia, CA 91355-3907

Samples Received on:
 08/15/2019 17:10

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
	08/31/19 19:14	(1)		(EPA 537.1)	d5-NEtFOSAA	ND	%	130	1

Well 207 Field Blank (201908160291)

Sampled on 08/15/2019 1045

EPA 537.1 - 18 PFAS 537.1

08/31/19 19:22	(1)	(EPA 537.1)	11-chloroeicosafuoro-3-oxaundecane-sulfonic acid	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	9-chlorohexadecafluoro-3-oxanone-sulfonic acid	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	N-ethyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	N-methyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluorobutanesulfonic acid (PFBS)	0.0057	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluorodecanoic acid (PFDA)	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluorododecanoic acid (PFDoA)	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluoroheptanoic acid (PFHpA)	0.0023	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluorohexanesulfonic acid (PFHxS)	0.0039	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluorohexanoic acid (PFHxA)	0.013	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluorononanoic acid (PFNA)	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluorooctanesulfonic acid (PFOS)	0.0037	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluorooctanoic acid (PFOA)	0.0089	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluorotetradecanoic acid (PFTA)	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluorotridecanoic acid (PFTTrDA)	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	Perfluoroundecanoic acid (PFUnA)	ND	ug/L	0.002	1
08/31/19 19:22	(1)	(EPA 537.1)	13C2-PFDA	ND	%	130	1
08/31/19 19:22	(1)	(EPA 537.1)	13C2-PFHxA	ND	%	130	1
08/31/19 19:22	(1)	(EPA 537.1)	13C3-HFPO-DA	ND	%	130	1
08/31/19 19:22	(1)	(EPA 537.1)	d5-NEtFOSAA	ND	%	130	1

Well 201 Field Blank (201908160292)

Sampled on 08/15/2019 0920

EPA 537.1 - 18 PFAS 537.1

08/31/19 19:30	(1)	(EPA 537.1)	11-chloroeicosafuoro-3-oxaundecane-sulfonic acid	ND	ug/L	0.002	1
08/31/19 19:30	(1)	(EPA 537.1)	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	ug/L	0.002	1
08/31/19 19:30	(1)	(EPA 537.1)	9-chlorohexadecafluoro-3-oxanone-sulfonic acid	ND	ug/L	0.002	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: (866) 988-3757
 1 800 566 LABS (1 800 566 5227)

Report: 821954
 Project: DRINKING
 Group: PFOA/PFOS

Valencia Water Company
 Jenny Anderson
 24631 Avenue Rockefeller
 Valencia, CA 91355-3907

Samples Received on:
 08/15/2019 17:10

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
	08/31/19 19:30	(1)		(EPA 537.1)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	N-ethyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	N-methyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluorobutanesulfonic acid (PFBS)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluorodecanoic acid (PFDA)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluorododecanoic acid (PFDoA)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluoroheptanoic acid (PFHpA)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluorohexanesulfonic acid (PFHxS)	0.0042	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluorohexanoic acid (PFHxA)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluorononanoic acid (PFNA)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluorooctanesulfonic acid (PFOS)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluorooctanoic acid (PFOA)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluorotetradecanoic acid (PFTA)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluorotridecanoic acid (PFTTrDA)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	Perfluoroundecanoic acid (PFUnA)	ND	ug/L	0.002	1
	08/31/19 19:30	(1)		(EPA 537.1)	13C2-PFDA	ND	%	130	1
	08/31/19 19:30	(1)		(EPA 537.1)	13C2-PFHxA	ND	%	130	1
	08/31/19 19:30	(1)		(EPA 537.1)	13C3-HFPO-DA	ND	%	130	1
	08/31/19 19:30	(1)		(EPA 537.1)	d5-NEtFOSAA	ND	%	130	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.

ANALYTICAL REPORT

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

Laboratory Job ID: 320-53618-1

Laboratory Sample Delivery Group: Sub COC# 99-68306

Client Project/Site: DW PFAS_ (Folder# 821954 / Job# 1000014)

For:

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

Attn: Jackie Contreras



Authorized for release by:
9/5/2019 2:31:23 PM

Linda C. Laver, Project Manager II
(916)374-4362
linda.laver@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	17
Lab Chronicle	18
Certification Summary	19
Method Summary	20
Sample Summary	21
Chain of Custody	22
Receipt Checklists	24



Definitions/Glossary

Client: Eurofins Eaton Analytical
Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
SDG: Sub COC# 99-68306

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

Client: Eurofins Eaton Analytical
Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
SDG: Sub COC# 99-68306

Job ID: 320-53618-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-53618-1

Receipt

The samples were received on 8/24/2019 9:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.1° C and 3.2° C.

Receipt Exceptions

The Chain-of-Custody (COC) was not received with these samples on 8/4/19. A copy was received via email on 8/26/19.

The following samples were received with only 1 container, where 2 are recommended: 201908160287 (320-53618-1), 201908160290 (320-53618-4), 201908160291 (320-53618-5) and 201908160292 (320-53618-6).

LCMS

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

Organic Prep

Method(s) 537.1 DW: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with prep batch 320-317959

Method(s) 537.1 DW: Samples were received without the trizma preservative label. 201908160290 (320-53618-4), 201908160291 (320-53618-5) and 201908160292 (320-53618-6). Samples were checked for Chlorine (ND) and pH (7).

Method(s) 537.1 DW: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with prep batch 320-318917

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: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
SDG: Sub COC# 99-68306

Client Sample ID: 201908160287

Lab Sample ID: 320-53618-1

No Detections.

Client Sample ID: 201908160288

Lab Sample ID: 320-53618-2

No Detections.

Client Sample ID: 201908160289

Lab Sample ID: 320-53618-3

No Detections.

Client Sample ID: 201908160290

Lab Sample ID: 320-53618-4

No Detections.

Client Sample ID: 201908160291

Lab Sample ID: 320-53618-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.013		0.0017		ug/L	1		537.1 DW	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.0023		0.0017		ug/L	1		537.1 DW	Total/NA
Perfluorooctanoic acid (PFOA)	0.0089		0.0017		ug/L	1		537.1 DW	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.0057		0.0017		ug/L	1		537.1 DW	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.0039		0.0017		ug/L	1		537.1 DW	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.0037		0.0017		ug/L	1		537.1 DW	Total/NA

Client Sample ID: 201908160292

Lab Sample ID: 320-53618-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.0042		0.0017		ug/L	1		537.1 DW	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Eurofins Eaton Analytical
 Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
 SDG: Sub COC# 99-68306

Client Sample ID: 201908160287

Lab Sample ID: 320-53618-1

Date Collected: 08/15/19 09:55

Matrix: Water

Date Received: 08/24/19 09:25

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Perfluorooctanoic acid (PFOA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Perfluorononanoic acid (PFNA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Perfluorodecanoic acid (PFDA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3O)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0018		ug/L		08/27/19 18:35	08/31/19 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	94		70 - 130				08/27/19 18:35	08/31/19 15:28	1
13C2 PFDA	105		70 - 130				08/27/19 18:35	08/31/19 15:28	1
d5-NEtFOSAA	100		70 - 130				08/27/19 18:35	08/31/19 15:28	1
13C3 HFPO-DA	104		70 - 130				08/27/19 18:35	08/31/19 15:28	1

Client Sample ID: 201908160288

Lab Sample ID: 320-53618-2

Date Collected: 08/15/19 10:45

Matrix: Water

Date Received: 08/24/19 09:25

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Perfluorooctanoic acid (PFOA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Perfluorononanoic acid (PFNA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Perfluorodecanoic acid (PFDA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Eurofins Eaton Analytical
 Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
 SDG: Sub COC# 99-68306

Client Sample ID: 201908160288

Lab Sample ID: 320-53618-2

Date Collected: 08/15/19 10:45

Matrix: Water

Date Received: 08/24/19 09:25

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	99		70 - 130				08/25/19 11:30	08/31/19 18:58	1
13C2 PFDA	104		70 - 130				08/25/19 11:30	08/31/19 18:58	1
d5-NEtFOSAA	104		70 - 130				08/25/19 11:30	08/31/19 18:58	1
13C3 HFPO-DA	106		70 - 130				08/25/19 11:30	08/31/19 18:58	1

Client Sample ID: 201908160289

Lab Sample ID: 320-53618-3

Date Collected: 08/15/19 09:20

Matrix: Water

Date Received: 08/24/19 09:25

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Perfluorooctanoic acid (PFOA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Perfluorononanoic acid (PFNA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Perfluorodecanoic acid (PFDA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	94		70 - 130				08/25/19 11:30	08/31/19 19:06	1
13C2 PFDA	101		70 - 130				08/25/19 11:30	08/31/19 19:06	1
d5-NEtFOSAA	94		70 - 130				08/25/19 11:30	08/31/19 19:06	1
13C3 HFPO-DA	98		70 - 130				08/25/19 11:30	08/31/19 19:06	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Eurofins Eaton Analytical
 Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
 SDG: Sub COC# 99-68306

Client Sample ID: 201908160290

Lab Sample ID: 320-53618-4

Date Collected: 08/15/19 09:55

Matrix: Water

Date Received: 08/24/19 09:25

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Perfluorooctanoic acid (PFOA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Perfluorononanoic acid (PFNA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Perfluorodecanoic acid (PFDA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3O)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0018		ug/L		08/25/19 11:30	08/31/19 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	99		70 - 130				08/25/19 11:30	08/31/19 19:14	1
13C2 PFDA	102		70 - 130				08/25/19 11:30	08/31/19 19:14	1
d5-NEtFOSAA	108		70 - 130				08/25/19 11:30	08/31/19 19:14	1
13C3 HFPO-DA	94		70 - 130				08/25/19 11:30	08/31/19 19:14	1

Client Sample ID: 201908160291

Lab Sample ID: 320-53618-5

Date Collected: 08/15/19 10:45

Matrix: Water

Date Received: 08/24/19 09:25

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.013		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Perfluoroheptanoic acid (PFHpA)	0.0023		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Perfluorooctanoic acid (PFOA)	0.0089		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Perfluorononanoic acid (PFNA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Perfluorodecanoic acid (PFDA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Perfluorododecanoic acid (PFDoA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Perfluorobutanesulfonic acid (PFBS)	0.0057		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Perfluorohexanesulfonic acid (PFHxS)	0.0039		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Perfluorooctanesulfonic acid (PFOS)	0.0037		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Eurofins Eaton Analytical
 Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
 SDG: Sub COC# 99-68306

Client Sample ID: 201908160291

Lab Sample ID: 320-53618-5

Date Collected: 08/15/19 10:45

Matrix: Water

Date Received: 08/24/19 09:25

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PFHexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	97		70 - 130				08/25/19 11:30	08/31/19 19:22	1
13C2 PFDA	103		70 - 130				08/25/19 11:30	08/31/19 19:22	1
d5-NEtFOSAA	104		70 - 130				08/25/19 11:30	08/31/19 19:22	1
13C3 HFPO-DA	102		70 - 130				08/25/19 11:30	08/31/19 19:22	1

Client Sample ID: 201908160292

Lab Sample ID: 320-53618-6

Date Collected: 08/15/19 09:20

Matrix: Water

Date Received: 08/24/19 09:25

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Perfluorooctanoic acid (PFOA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Perfluorononanoic acid (PFNA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Perfluorodecanoic acid (PFDA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Perfluorododecanoic acid (PFDoA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Perfluorohexanesulfonic acid (PFHxS)	0.0042		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PFHexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0017		ug/L		08/25/19 11:30	08/31/19 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	95		70 - 130				08/25/19 11:30	08/31/19 19:30	1
13C2 PFDA	100		70 - 130				08/25/19 11:30	08/31/19 19:30	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Eurofins Eaton Analytical
Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
SDG: Sub COC# 99-68306

Client Sample ID: 201908160292

Lab Sample ID: 320-53618-6

Date Collected: 08/15/19 09:20

Matrix: Water

Date Received: 08/24/19 09:25

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	102		70 - 130	08/25/19 11:30	08/31/19 19:30	1
13C3 HFPO-DA	104		70 - 130	08/25/19 11:30	08/31/19 19:30	1

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

Surrogate Summary

Client: Eurofins Eaton Analytical
 Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
 SDG: Sub COC# 99-68306

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFHxA	PFDA	-NEtFOS/	HFPODA
		(70-130)	(70-130)	(70-130)	(70-130)
320-53618-1	201908160287	94	105	100	104
320-53618-2	201908160288	99	104	104	106
320-53618-3	201908160289	94	101	94	98
320-53618-4	201908160290	99	102	108	94
320-53618-5	201908160291	97	103	104	102
320-53618-6	201908160292	95	100	102	104
LLCS 320-317959/2-A	Lab Control Sample	95	101	101	107
LLCS 320-318917/2-A	Lab Control Sample	97	106	100	109
LLCSD 320-317959/3-A	Lab Control Sample Dup	101	105	105	113
LLCSD 320-318917/3-A	Lab Control Sample Dup	90	103	101	94
MB 320-317959/1-A	Method Blank	91	97	98	90
MB 320-318917/1-A	Method Blank	99	104	104	100

Surrogate Legend

PFHxA = 13C2 PFHxA
 PFDA = 13C2 PFDA
 d5-NEtFOSAA = d5-NEtFOSAA
 HFPODA = 13C3 HFPO-DA

QC Sample Results

Client: Eurofins Eaton Analytical
 Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
 SDG: Sub COC# 99-68306

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Lab Sample ID: MB 320-317959/1-A
Matrix: Water
Analysis Batch: 320069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 317959

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Perfluorooctanoic acid (PFOA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Perfluorononanoic acid (PFNA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Perfluorodecanoic acid (PFDA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Perfluorododecanoic acid (PFDoA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
11-Chloroeicosadecafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0020		ug/L		08/25/19 11:30	08/31/19 18:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	91		70 - 130	08/25/19 11:30	08/31/19 18:34	1
13C2 PFDA	97		70 - 130	08/25/19 11:30	08/31/19 18:34	1
d5-NEtFOSAA	98		70 - 130	08/25/19 11:30	08/31/19 18:34	1
13C3 HFPO-DA	90		70 - 130	08/25/19 11:30	08/31/19 18:34	1

Lab Sample ID: LLCS 320-317959/2-A
Matrix: Water
Analysis Batch: 320069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 317959

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits
Perfluorohexanoic acid (PFHxA)	0.00400	0.00366		ug/L		92	50 - 150
Perfluoroheptanoic acid (PFHpA)	0.00400	0.00433		ug/L		108	50 - 150
Perfluorooctanoic acid (PFOA)	0.00400	0.00391		ug/L		98	50 - 150
Perfluorononanoic acid (PFNA)	0.00400	0.00399		ug/L		100	50 - 150
Perfluorodecanoic acid (PFDA)	0.00400	0.00392		ug/L		98	50 - 150
Perfluoroundecanoic acid (PFUnA)	0.00400	0.00405		ug/L		101	50 - 150
Perfluorododecanoic acid (PFDoA)	0.00400	0.00420		ug/L		105	50 - 150
Perfluorotridecanoic acid (PFTrDA)	0.00400	0.00405		ug/L		101	50 - 150
Perfluorotetradecanoic acid (PFTA)	0.00400	0.00428		ug/L		107	50 - 150
Perfluorobutanesulfonic acid (PFBS)	0.00354	0.00313		ug/L		88	50 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: Eurofins Eaton Analytical
 Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
 SDG: Sub COC# 99-68306

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LLCS 320-317959/2-A
Matrix: Water
Analysis Batch: 320069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 317959

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanesulfonic acid (PFHxS)	0.00364	0.00344		ug/L		95	50 - 150
Perfluorooctanesulfonic acid (PFOS)	0.00371	0.00348		ug/L		94	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.00400	0.00373		ug/L		93	50 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.00400	0.00390		ug/L		98	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	0.00373	0.00373		ug/L		100	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PFHexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.00377	0.00370		ug/L		98	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.00400	0.00412		ug/L		103	50 - 150
0.00377	0.00356		ug/L		94	50 - 150	

Surrogate	LLCS %Recovery	LLCS Qualifier	LLCS Limits
13C2 PFHxA	95		70 - 130
13C2 PFDA	101		70 - 130
d5-NEtFOSAA	101		70 - 130
13C3 HFPO-DA	107		70 - 130

Lab Sample ID: LLCSD 320-317959/3-A
Matrix: Water
Analysis Batch: 320069

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 317959

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid (PFHxA)	0.00400	0.00387		ug/L		97	50 - 150	5	50
Perfluoroheptanoic acid (PFHpA)	0.00400	0.00416		ug/L		104	50 - 150	4	50
Perfluorooctanoic acid (PFOA)	0.00400	0.00381		ug/L		95	50 - 150	3	50
Perfluorononanoic acid (PFNA)	0.00400	0.00433		ug/L		108	50 - 150	8	50
Perfluorodecanoic acid (PFDA)	0.00400	0.00405		ug/L		101	50 - 150	3	50
Perfluoroundecanoic acid (PFUnA)	0.00400	0.00403		ug/L		101	50 - 150	0.6	50
Perfluorododecanoic acid (PFDoA)	0.00400	0.00413		ug/L		103	50 - 150	2	50
Perfluorotridecanoic acid (PFTrDA)	0.00400	0.00407		ug/L		102	50 - 150	0.5	50
Perfluorotetradecanoic acid (PFTA)	0.00400	0.00420		ug/L		105	50 - 150	2	50
Perfluorobutanesulfonic acid (PFBS)	0.00354	0.00324		ug/L		92	50 - 150	4	50
Perfluorohexanesulfonic acid (PFHxS)	0.00364	0.00347		ug/L		95	50 - 150	0.7	50
Perfluorooctanesulfonic acid (PFOS)	0.00371	0.00363		ug/L		98	50 - 150	4	50
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.00400	0.00367		ug/L		92	50 - 150	2	50
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.00400	0.00418		ug/L		104	50 - 150	7	50
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	0.00373	0.00381		ug/L		102	50 - 150	2	50

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: Eurofins Eaton Analytical
 Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
 SDG: Sub COC# 99-68306

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LLCSD 320-317959/3-A
Matrix: Water
Analysis Batch: 320069

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 317959

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11CI-PF Hexafluoropropylene Oxide Dimer Acid (HFPO-DA))	0.00377	0.00374		ug/L		99	50 - 150	1	50
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.00377	0.00360		ug/L		95	50 - 150	1	50

Surrogate	LLCSD %Recovery	LLCSD Qualifier	LLCSD Limits
13C2 PFHxA	101		70 - 130
13C2 PFDA	105		70 - 130
d5-NEtFOSAA	105		70 - 130
13C3 HFPO-DA	113		70 - 130

Lab Sample ID: MB 320-318917/1-A
Matrix: Water
Analysis Batch: 319947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 318917

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
Perfluorooctanoic acid (PFOA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
Perfluorononanoic acid (PFNA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
Perfluorodecanoic acid (PFDA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
Perfluorododecanoic acid (PFDoA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
Perfluorotetradecanoic acid (PFTA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3O)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11CI-PF Hexafluoropropylene Oxide Dimer Acid (HFPO-DA))	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.0020		ug/L		08/27/19 18:35	08/31/19 15:04	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	99		70 - 130	08/27/19 18:35	08/31/19 15:04	1
13C2 PFDA	104		70 - 130	08/27/19 18:35	08/31/19 15:04	1
d5-NEtFOSAA	104		70 - 130	08/27/19 18:35	08/31/19 15:04	1
13C3 HFPO-DA	100		70 - 130	08/27/19 18:35	08/31/19 15:04	1

QC Sample Results

Client: Eurofins Eaton Analytical
 Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
 SDG: Sub COC# 99-68306

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LLCS 320-318917/2-A
Matrix: Water
Analysis Batch: 319947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 318917
%Rec.

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits
Perfluorohexanoic acid (PFHxA)	0.00400	0.00387		ug/L		97	50 - 150
Perfluoroheptanoic acid (PFHpA)	0.00400	0.00410		ug/L		102	50 - 150
Perfluorooctanoic acid (PFOA)	0.00400	0.00397		ug/L		99	50 - 150
Perfluorononanoic acid (PFNA)	0.00400	0.00404		ug/L		101	50 - 150
Perfluorodecanoic acid (PFDA)	0.00400	0.00386		ug/L		97	50 - 150
Perfluoroundecanoic acid (PFUnA)	0.00400	0.00408		ug/L		102	50 - 150
Perfluorododecanoic acid (PFDoA)	0.00400	0.00400		ug/L		100	50 - 150
Perfluorotridecanoic acid (PFTrDA)	0.00400	0.00408		ug/L		102	50 - 150
Perfluorotetradecanoic acid (PFTA)	0.00400	0.00405		ug/L		101	50 - 150
Perfluorobutanesulfonic acid (PFBS)	0.00354	0.00377		ug/L		107	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.00364	0.00361		ug/L		99	50 - 150
Perfluorooctanesulfonic acid (PFOS)	0.00371	0.00392		ug/L		106	50 - 150
N-methylperfluorooctanesulfonamide acetic acid (NMeFOSAA)	0.00400	0.00357		ug/L		89	50 - 150
N-ethylperfluorooctanesulfonamide acetic acid (NEtFOSAA)	0.00400	0.00401		ug/L		100	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	0.00373	0.00372		ug/L		100	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PFHexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.00400	0.00423		ug/L		106	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.00377	0.00375		ug/L		99	50 - 150

Surrogate	LLCS %Recovery	LLCS Qualifier	Limits
13C2 PFHxA	97		70 - 130
13C2 PFDA	106		70 - 130
d5-NEtFOSAA	100		70 - 130
13C3 HFPO-DA	109		70 - 130

Lab Sample ID: LLCSD 320-318917/3-A
Matrix: Water
Analysis Batch: 319947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 318917
%Rec.

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Perfluorohexanoic acid (PFHxA)	0.00400	0.00348		ug/L		87	50 - 150	11	50
Perfluoroheptanoic acid (PFHpA)	0.00400	0.00398		ug/L		99	50 - 150	3	50
Perfluorooctanoic acid (PFOA)	0.00400	0.00362		ug/L		91	50 - 150	9	50
Perfluorononanoic acid (PFNA)	0.00400	0.00387		ug/L		97	50 - 150	4	50
Perfluorodecanoic acid (PFDA)	0.00400	0.00390		ug/L		97	50 - 150	0.9	50
Perfluoroundecanoic acid (PFUnA)	0.00400	0.00407		ug/L		102	50 - 150	0.4	50
Perfluorododecanoic acid (PFDoA)	0.00400	0.00415		ug/L		104	50 - 150	4	50

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: Eurofins Eaton Analytical
 Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
 SDG: Sub COC# 99-68306

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LLCSD 320-318917/3-A
Matrix: Water
Analysis Batch: 319947

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 318917

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorotridecanoic acid (PFTrDA)	0.00400	0.00401		ug/L		100	50 - 150	2	50
Perfluorotetradecanoic acid (PFTA)	0.00400	0.00401		ug/L		100	50 - 150	1	50
Perfluorobutanesulfonic acid (PFBS)	0.00354	0.00329		ug/L		93	50 - 150	14	50
Perfluorohexanesulfonic acid (PFHxS)	0.00364	0.00366		ug/L		101	50 - 150	1	50
Perfluorooctanesulfonic acid (PFOS)	0.00371	0.00388		ug/L		105	50 - 150	1	50
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.00400	0.00352		ug/L		88	50 - 150	1	50
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.00400	0.00388		ug/L		97	50 - 150	3	50
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	0.00373	0.00375		ug/L		101	50 - 150	0.6	50
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	0.00377	0.00377		ug/L		100	50 - 150	3	50
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.00400	0.00380		ug/L		95	50 - 150	11	50
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.00377	0.00367		ug/L		97	50 - 150	2	50
LLCSD LLCSD									
Surrogate	%Recovery	Qualifier	Limits						
13C2 PFHxA	90		70 - 130						
13C2 PFDA	103		70 - 130						
d5-NEtFOSAA	101		70 - 130						
13C3 HFPO-DA	94		70 - 130						

QC Association Summary

Client: Eurofins Eaton Analytical
 Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
 SDG: Sub COC# 99-68306

LCMS

Prep Batch: 317959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-53618-2	201908160288	Total/NA	Water	537.1 DW	
320-53618-3	201908160289	Total/NA	Water	537.1 DW	
320-53618-4	201908160290	Total/NA	Water	537.1 DW	
320-53618-5	201908160291	Total/NA	Water	537.1 DW	
320-53618-6	201908160292	Total/NA	Water	537.1 DW	
MB 320-317959/1-A	Method Blank	Total/NA	Water	537.1 DW	
LLCS 320-317959/2-A	Lab Control Sample	Total/NA	Water	537.1 DW	
LLCSD 320-317959/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW	

Prep Batch: 318917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-53618-1	201908160287	Total/NA	Water	537.1 DW	
MB 320-318917/1-A	Method Blank	Total/NA	Water	537.1 DW	
LLCS 320-318917/2-A	Lab Control Sample	Total/NA	Water	537.1 DW	
LLCSD 320-318917/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW	

Analysis Batch: 319947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-53618-1	201908160287	Total/NA	Water	537.1 DW	318917
MB 320-318917/1-A	Method Blank	Total/NA	Water	537.1 DW	318917
LLCS 320-318917/2-A	Lab Control Sample	Total/NA	Water	537.1 DW	318917
LLCSD 320-318917/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW	318917

Analysis Batch: 320069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-53618-2	201908160288	Total/NA	Water	537.1 DW	317959
320-53618-3	201908160289	Total/NA	Water	537.1 DW	317959
320-53618-4	201908160290	Total/NA	Water	537.1 DW	317959
320-53618-5	201908160291	Total/NA	Water	537.1 DW	317959
320-53618-6	201908160292	Total/NA	Water	537.1 DW	317959
MB 320-317959/1-A	Method Blank	Total/NA	Water	537.1 DW	317959
LLCS 320-317959/2-A	Lab Control Sample	Total/NA	Water	537.1 DW	317959
LLCSD 320-317959/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW	317959

Lab Chronicle

Client: Eurofins Eaton Analytical
Project/Site: DW PFAS_(Folder# 821954 / Job# 100014)

Job ID: 320-53618-1
SDG: Sub COC# 99-68306

Client Sample ID: 201908160287

Lab Sample ID: 320-53618-1

Date Collected: 08/15/19 09:55

Matrix: Water

Date Received: 08/24/19 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			279.1 mL	10.00 mL	318917	08/27/19 18:35	HJA	TAL SAC
Total/NA	Analysis	537.1 DW		1			319947	08/31/19 15:28	D1R	TAL SAC

Client Sample ID: 201908160288

Lab Sample ID: 320-53618-2

Date Collected: 08/15/19 10:45

Matrix: Water

Date Received: 08/24/19 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			272.5 mL	10.00 mL	317959	08/25/19 11:30	HJA	TAL SAC
Total/NA	Analysis	537.1 DW		1			320069	08/31/19 18:58	D1R	TAL SAC

Client Sample ID: 201908160289

Lab Sample ID: 320-53618-3

Date Collected: 08/15/19 09:20

Matrix: Water

Date Received: 08/24/19 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			271.4 mL	10.00 mL	317959	08/25/19 11:30	HJA	TAL SAC
Total/NA	Analysis	537.1 DW		1			320069	08/31/19 19:06	D1R	TAL SAC

Client Sample ID: 201908160290

Lab Sample ID: 320-53618-4

Date Collected: 08/15/19 09:55

Matrix: Water

Date Received: 08/24/19 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			278.4 mL	10.00 mL	317959	08/25/19 11:30	HJA	TAL SAC
Total/NA	Analysis	537.1 DW		1			320069	08/31/19 19:14	D1R	TAL SAC

Client Sample ID: 201908160291

Lab Sample ID: 320-53618-5

Date Collected: 08/15/19 10:45

Matrix: Water

Date Received: 08/24/19 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			289.4 mL	10.00 mL	317959	08/25/19 11:30	HJA	TAL SAC
Total/NA	Analysis	537.1 DW		1			320069	08/31/19 19:22	D1R	TAL SAC

Client Sample ID: 201908160292

Lab Sample ID: 320-53618-6

Date Collected: 08/15/19 09:20

Matrix: Water

Date Received: 08/24/19 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			293.7 mL	10.00 mL	317959	08/25/19 11:30	HJA	TAL SAC
Total/NA	Analysis	537.1 DW		1			320069	08/31/19 19:30	D1R	TAL SAC

Laboratory References:

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

Eurofins TestAmerica, Sacramento

Accreditation/Certification Summary

Client: Eurofins Eaton Analytical
Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
SDG: Sub COC# 99-68306

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
California	State Program	2897	01-31-20

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
-----------------	-------------	--------	---------

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

Method Summary

Client: Eurofins Eaton Analytical
Project/Site: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
SDG: Sub COC# 99-68306

Method	Method Description	Protocol	Laboratory
537.1 DW	Perfluorinated Alkyl Acids (LC/MS)	EPA	TAL SAC
537.1 DW	Extraction of Perfluorinated Alkyl Acids	EPA	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

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: DW PFAS_(Folder# 821954 / Job# 1000014)

Job ID: 320-53618-1
SDG: Sub COC# 99-68306

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-53618-1	201908160287	Water	08/15/19 09:55	08/24/19 09:25	
320-53618-2	201908160288	Water	08/15/19 10:45	08/24/19 09:25	
320-53618-3	201908160289	Water	08/15/19 09:20	08/24/19 09:25	
320-53618-4	201908160290	Water	08/15/19 09:55	08/24/19 09:25	
320-53618-5	201908160291	Water	08/15/19 10:45	08/24/19 09:25	
320-53618-6	201908160292	Water	08/15/19 09:20	08/24/19 09:25	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



Eaton Analytical

Ship To:

Test America, Inc - Sacramento
880 Riverside Parkway

West Sacramento, CA 95605-1501

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

Folder #: 821954 Report Due: 08/29/2019 Sub COC#: 99-68306

Submittal Form

Date: 8/26/2019

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers!
Report & Invoice must have the Folder # 821954 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: us20_subcontract@eurofinsus.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

Provide in each Report the Specified State Certification # & Exp Date for requested tests + matrix
Samples from CALIFORNIA

PFAs 18
J flag data



320-53618 Chain of Custody

JLS	Client Sample ID for reference only	Analysis Requested	Sample Date & Time Matrix	PWS Systemcode	PWSID
	201908160287 Well 160		08/15/19 0955 DW		
Misc subcontracted w	Subcontract Test-See Attached	Facility ID: SEE ABOVE COMMENTS For Testing	Sample Point ID: {CL_SAMPLEPOINTID}	Static ID:	
Misc subcontracted w	Subcontract Test-See Attached	Facility ID: SEE ABOVE COMMENTS For Testing	Sample Point ID: {CL_SAMPLEPOINTID}	Static ID:	
Misc subcontracted w	Subcontract Test-See Attached	Facility ID: SEE ABOVE COMMENTS For Testing	Sample Point ID: {CL_SAMPLEPOINTID}	Static ID:	
Misc subcontracted w	Subcontract Test-See Attached	Facility ID: SEE ABOVE COMMENTS For Testing	Sample Point ID: {CL_SAMPLEPOINTID}	Static ID:	
Relinquished by	Sample Control	Date	Time	NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS	
Received by		Date	Time	An Acknowledgement of Receipt is requested to attn Jackie Contreras	
Relinquished by	Sample Control	Date	Time		
Received by		Date	Time		



Misc subcontracted w/ **Subcontract Test-See Attached** SEE ABOVE COMMENTS For Testing
 201908160292 Well 201 Field Blank **Sample Event:** **Facility ID:** **Sample Point ID: {CL...SAMPLEPOINTID}** **Static ID:**
 Misc subcontracted w/ **Subcontract Test-See Attached** SEE ABOVE COMMENTS For Testing

08/15/19 0920 DW

Relinquished by _____ Date _____ Time _____ **NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS**
 Received by _____ Date _____ Time _____ **An Acknowledgement of Receipt is requested to attn Jackie Contreras**
 Relinquished by _____ Date _____ Time _____
 Received by _____ Date _____ Time _____



Login Sample Receipt Checklist

Client: Eurofins Eaton Analytical

Job Number: 320-53618-1
SDG Number: Sub COC# 99-68306

Login Number: 53618
List Number: 1
Creator: Nelson, Kym D

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.	False	COC not relinquished.
Is the Field Sampler's name present on COC?	False	
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.	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	

