

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)



Laboratory Report

for

Valley Utilities Water Co., Inc.
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307
Attention: Bob Prince
Fax: 623 935 7321

Date of Issue
06/19/2016


Eurofins Eaton
Analytical

TDF: Thomas.D.French
Project Manager



Report: 593339
Project: PFC
ADHS License #: AZ0778
Group: GW Sampling

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.

* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.

* Following the cover page are State Certification List, ISO 17025 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.

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

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Mississippi	Certified
-----	-----	Montana	Cert 0035
Arizona	AZ0778	Nebraska	Certified
Arkansas	Certified	Nevada	CA00006-2016
California-Monrovia-ELAP	2813	New Hampshire *	2959
California-Colton- ELAP	2812	New Jersey *	CA 008
California-Folsom- ELAP	2820	New Mexico	Certified
California-Fresno- ELAP	2966	New York *	11320
Colorado	Certified	North Carolina	06701
Connecticut	PH-0107	North Dakota	R-009
Delaware	CA 006	Oregon (Primary AB) *	ORELAP 4034
Florida *	E871024	Pennsylvania *	68-565
Georgia	947	Puerto Rico	Certified
Guam	16-003r	Rhode Island	LAO00326
Hawaii	Certified	South Carolina	87016
Idaho	Certified	South Dakota	Certified
Illinois *	200033	Tennessee	TN02839
Indiana	C-CA-01	Texas *	T104704230-15-9
Kansas *	E-10268	Utah *	CA000062016-10
Kentucky	90107	Vermont	VT0114
Louisiana *	LA16003	Virginia *	460260
Maine	CA0006	Washington	C838
Maryland	224	-----	-----
Commonwealth of Northern Marianas Is.	MP0004	-----	-----
Massachusetts	M-CA006	EPA Region 5	Certified
Michigan	9906	Los Angeles County Sanitation Districts	10264

* NELAP/TNI Recognized Accreditation Bodies

ISO 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.

Refer to Certificate and scope of accreditation (AT 1807) found at: <http://www.eatonanalytical.com>

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
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	
Bicarbonate Alkalinity as HCO3	SM 2320B	x	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	x		x
Chlorine -Total/Free/ Combined Residua	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cryptosporidium	EPA 1622, 1623	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/DBCP 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
Giardia	EPA 1623	x		x
Glyphosate	EPA 547	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	Environ-mental (Drinking Water)	Environ-mental (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	CDC Legionella	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
NDMA	EPA 521	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 Phosphate	SM 4500P E			x
Ortho Phosphorous	SM 4500P E	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
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
Semi-VOC	EPA 625		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 (2346)	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	
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/EPA 524.3	x		x
VOC	EPA 624		x	x
VOC	EPA SW 846 8260	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x

750 Royal Oaks Dr., Ste 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (626) 386-1101 <http://www.EatonAnalytical.com>

Version 001 Issued: 09/04/2015

Acknowledgement of Samples Received

Addr: **Valley Utilities Water Co., Inc.**
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Client ID: VALLEYUTL-AZ

Folder #: 593339

Project: PFC

Sample Group: GW Sampling

Attn: Bob Prince
Phone: 623 935 1100

Project Manager: Thomas.D.French
Phone: (480) 778-1558

The following samples were received from you on **June 02, 2016 at 14:40**. 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.

Sample #	Sample ID	Sample Date
<u>201606020276</u>	WELL 1 GY	06/02/2016 0950
	@537-PFOS-PFOA	
<u>201606020278</u>	WELL 7 GY	06/02/2016 0945
	@537-PFOS-PFOA	
<u>201606020279</u>	WELL 3 LUX	06/02/2016 0909
	@537-PFOS-PFOA	
<u>201606020280</u>	WELL 5 BHW	06/02/2016 0850
	@537-PFOS-PFOA	
<u>201606020281</u>	WELL 6A BHW	06/02/2016 0855
	@537-PFOS-PFOA	
<u>201606020282</u>	WELL 2 TB	06/02/2016 0923
	@537-PFOS-PFOA	
<u>201606020283</u>	FRB-ANALYZE	06/02/2016 0848
	@537-PFOS-PFOA FB	

Test Description

@537-PFOS-PFOA -- Perfluorinated Alkyl Acids

@537-PFOS-PFOA FB -- Perfluorinated Alkyl Acids

CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY:

750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629

Phone: 626 386 1100
Fax: 626 386 1101

800 566 LABS (800 566 5227)

Website: www.EatonAnalytical.com

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY:

SAMPLES LOGGED IN BY:

SAMPLE TEMP RECEIVED AT:

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

☒ A2 (Other) IR Gun ID = 153780 (Observation = 3.1 °C) (Corr. Factor 21 °C) (Final = 4.1 °C)

☒ Monrovia IR Gun ID = 46002 (Observation = 0.5 °C) (Corr. Factor -0.7 °C) (Final = 0.9 °C)

Compliance Acceptance Criteria: (Chemistry: $4 \pm 2^\circ\text{C}$) (Microbiology: $< 10^\circ\text{C}$)

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:

TO BE COMPLETED BY SAMPLER:

(check for yes)

(check for yes)

COMPANY/AGENCY NAME:

PROJECT CODE:

COMPLIANCE SAMPLES

NON-COMPLIANCE SAMPLES	X
------------------------	---

- Requires state forms

REGULATION INVOLVED:

Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION

(eq. SDWA, NPDES, etc.)

EEA CLIENT CODE:

COC ID:

SAMPLE GROUP:

SEE ATTACHED KIT ORDER FOR ANALYSES

(check for yes). *OR*

Valley of - Az

GW Sampling

List ALL ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

TAT requested: rush by adv notice only

STD 1 wk 3 day 2 day 1 day

[illegible]

* **MATRIX TYPES:** RSW = Raw Surface Water CFW = Chlor(am)inated Finished Water SEAW = Sea Water BW = Bottled Water SO = Soil O = Other - Please Identify
 RGW = Raw Ground Water FW = Other Finished Water WW = Waste Water SW = Storm Water SL = Sludge

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE _____

TIME

SAMPLED BY:	PRINT NAME	COMP. AFFILIATE	DATE	TIME
CORY Hinkle <i>Cory Hinkle</i>	CORY Hinkle	VOWCO / OPS Manager	6-2-16	10:00 A
RELINQUISHED BY: Eisa Shamroukh <i>Veronica Gonzalez</i>	Eisa Shamroukh <i>Veronica Gonzalez</i>	NO. 1 Courier <i>CSR</i>	6-2-16	12:15 PM
RECEIVED BY: <i>[Signature]</i>	Eisa Shamroukh	NO. 1 Courier	6-2-16	12:15 PM
RELINQUISHED BY: Eisa Shamroukh	Eisa Shamroukh	NO. 1 Courier	6-2-16	1434
RECEIVED BY: <i>[Signature]</i>	<i>[Signature]</i>	EFA	6-2-16	1434

QA FO 0029.2 (Version 2) (08/28/2014)

PAGE 1 OF 1

Kit Order for Valley Utilities WC/GLEN

Thomas.D.French is your Eurofins Eaton Analytical Service Manager

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (626) 386-1101

Note: Sampler Please return this paper with your samples

Kit #: 138939



Created By: Thomas.D.French - [TDF]

Deliver By: 05/31/2016

STG: Bottle Orders

Ice Type: W

Client ID: VALLEYUTL-AZ
Project Code: PFC Bottle Orders
Group Name: GW Sampling
PO#/JOB#:

Ship Sample Kits to

Eurofins Eaton Analytical, Inc.
15953 N. Greenway Hayden Loop
Suite C
Scottsdale, AZ 85260

Attn: Tom French
Phone: (480) 778-1558

Send Report to

Valley Utilities Water Co., Inc.
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Attn: Bob Prince
Phone: 623 935 1100
Fax: 623 935 7321

Billing Address

Valley Utilities Water Co., Inc.
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Attn: Bob Prince
Phone: 623 935 1100
Fax: 623 935 7321

of

Sample Tests

Bottle Qty - Type [preservative information]

UN DOT #

1	@537-PFOS-PFOA TB	1 - 275 ml polypro w polypro cap [1.4g Trisma + H2O]
1	@537-PFOS-PFOA FB	1 - 275 ml polypro w polypro cap [no preservative]

Comments

Ship to AZ Service Center.

1

Code

Status

Date Shipped

Via

Tracking #

of Coolers

Prepared By

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
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1 800 566 LABS (1 800 566 5227)

Valley Utilities Water Co., Inc.
Bob Prince
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Flags Legend:

S7 - Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

750 Royal Oaks Drive, Suite 100
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Laboratory Hits
Report: 593339

Valley Utilities Water Co., Inc.
Bob Prince
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Samples Received on:
06/02/2016 14:40

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
201606020280 <u>WELL 5 BHW</u>						
06/15/2016 11:57	Perfluorooctanesulfonic acid		0.19		ug/L	0.025
06/14/2016 15:54	Perfluorooctanoic acid		0.038		ug/L	0.0025
201606020281 <u>WELL 6A BHW</u>						
06/14/2016 16:20	Perfluorooctanesulfonic acid		0.061		ug/L	0.0025
06/14/2016 16:20	Perfluorooctanoic acid		0.018		ug/L	0.0025
201606020282 <u>WELL 2 TB</u>						
06/14/2016 16:46	Perfluorooctanoic acid		0.0032		ug/L	0.0025

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data
Report: 593339

Valley Utilities Water Co., Inc.
Bob Prince
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Samples Received on:
06/02/2016 14:40

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
<u>WELL 1 GY (201606020276)</u>					Sampled on 06/02/2016 0950			
EPA 537 - Perfluorinated Alkyl Acids								
6/8/2016	06/14/2016	15:03	916843	(EPA 537) Perfluorooctanesulfonic acid	ND	ug/L	0.0025	1
6/8/2016	06/14/2016	15:03	916843	(EPA 537) Perfluorooctanoic acid	ND	ug/L	0.0025	1
6/8/2016	06/14/2016	15:03	916843	(EPA 537) 13C-PFDA	122	%		1
6/8/2016	06/14/2016	15:03	916843	(EPA 537) 13C-PFHxA	102	%		1
6/8/2016	06/14/2016	15:03	916843	(EPA 537) 13C-PFOA	127	%		1
6/8/2016	06/14/2016	15:03	916843	(EPA 537) 13C-PFOS	116	%		1
<u>WELL 7 GY (201606020278)</u>					Sampled on 06/02/2016 0945			
EPA 537 - Perfluorinated Alkyl Acids								
6/7/2016	06/11/2016	13:49	916883	(EPA 537) Perfluorooctanesulfonic acid	ND	ug/L	0.0025	1
6/7/2016	06/11/2016	13:49	916883	(EPA 537) Perfluorooctanoic acid	ND	ug/L	0.0025	1
6/7/2016	06/11/2016	13:49	916883	(EPA 537) 13C-PFDA	98	%		1
6/7/2016	06/11/2016	13:49	916883	(EPA 537) 13C-PFHxA	102	%		1
6/7/2016	06/11/2016	13:49	916883	(EPA 537) 13C-PFOA	104	%		1
6/7/2016	06/11/2016	13:49	916883	(EPA 537) 13C-PFOS	104	%		1
<u>WELL 3 LUX (201606020279)</u>					Sampled on 06/02/2016 0909			
EPA 537 - Perfluorinated Alkyl Acids								
6/8/2016	06/14/2016	15:29	916843	(EPA 537) Perfluorooctanesulfonic acid	ND	ug/L	0.0025	1
6/8/2016	06/14/2016	15:29	916843	(EPA 537) Perfluorooctanoic acid	ND	ug/L	0.0025	1
6/8/2016	06/14/2016	15:29	916843	(EPA 537) 13C-PFDA	116	%		1
6/8/2016	06/14/2016	15:29	916843	(EPA 537) 13C-PFHxA	103	%		1
6/8/2016	06/14/2016	15:29	916843	(EPA 537) 13C-PFOA	123	%		1
6/8/2016	06/14/2016	15:29	916843	(EPA 537) 13C-PFOS	115	%		1
<u>WELL 5 BHW (201606020280)</u>					Sampled on 06/02/2016 0850			
EPA 537 - Perfluorinated Alkyl Acids								
6/8/2016	06/15/2016	11:57	917084	(EPA 537) Perfluorooctanesulfonic acid	0.19	ug/L	0.025	10
6/8/2016	06/14/2016	15:54	916843	(EPA 537) Perfluorooctanoic acid	0.038	ug/L	0.0025	1
6/8/2016	06/14/2016	15:54	916843	(EPA 537) 13C-PFDA	119	%		1
6/8/2016	06/14/2016	15:54	916843	(EPA 537) 13C-PFHxA	103	%		1
6/8/2016	06/14/2016	15:54	916843	(EPA 537) 13C-PFOA	128	%		1
6/8/2016	06/14/2016	15:54	916843	(EPA 537) 13C-PFOS	120	%		1
<u>WELL 6A BHW (201606020281)</u>					Sampled on 06/02/2016 0855			

Rounding on totals after summation.
(c) - indicates calculated results

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Valley Utilities Water Co., Inc.
Bob Prince
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Samples Received on:
06/02/2016 14:40

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
EPA 537 - Perfluorinated Alkyl Acids								
6/8/2016	06/14/2016	16:20 916843	(EPA 537)	Perfluorooctanesulfonic acid	0.061	ug/L	0.0025	1
6/8/2016	06/14/2016	16:20 916843	(EPA 537)	Perfluorooctanoic acid	0.018	ug/L	0.0025	1
6/8/2016	06/14/2016	16:20 916843	(EPA 537)	13C-PFDA	124	%		1
6/8/2016	06/14/2016	16:20 916843	(EPA 537)	13C-PFHxA	109	%		1
6/8/2016	06/14/2016	16:20 916843	(EPA 537)	13C-PFOA	125	%		1
6/8/2016	06/14/2016	16:20 916843	(EPA 537)	13C-PFOS	120	%		1

WELL 2 TB (201606020282)

Sampled on 06/02/2016 0923

EPA 537 - Perfluorinated Alkyl Acids								
6/8/2016	06/14/2016	16:46 916843	(EPA 537)	Perfluorooctanesulfonic acid	ND	ug/L	0.0025	1
6/8/2016	06/14/2016	16:46 916843	(EPA 537)	Perfluorooctanoic acid	0.0032	ug/L	0.0025	1
6/8/2016	06/14/2016	16:46 916843	(EPA 537)	13C-PFDA	123	%		1
6/8/2016	06/14/2016	16:46 916843	(EPA 537)	13C-PFHxA	117	%		1
6/8/2016	06/14/2016	16:46 916843	(EPA 537)	13C-PFOA	124	%		1
6/8/2016	06/14/2016	16:46 916843	(EPA 537)	13C-PFOS	120	%		1

FRB-ANALYZE (201606020283)

Sampled on 06/02/2016 0848

EPA 537 - Perfluorinated Alkyl Acids								
6/8/2016	06/14/2016	14:12 916843	(EPA 537)	Perfluorooctanesulfonic acid	ND (S7)	ug/L	0.0025	1
6/8/2016	06/14/2016	14:12 916843	(EPA 537)	Perfluorooctanoic acid	ND (S7)	ug/L	0.0025	1
6/8/2016	06/14/2016	14:12 916843	(EPA 537)	13C-PFDA	145 (S7)	%		1
6/8/2016	06/14/2016	14:12 916843	(EPA 537)	13C-PFHxA	100	%		1
6/8/2016	06/14/2016	14:12 916843	(EPA 537)	13C-PFOA	121	%		1
6/8/2016	06/14/2016	14:12 916843	(EPA 537)	13C-PFOS	111	%		1

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Valley Utilities Water Co., Inc.

Perfluorinated Alkyl Acids

Prep Batch: 915652 Analytical Batch: 916843

Analysis Date: 06/14/2016

201606020276	WELL 1 GY
201606020279	WELL 3 LUX
201606020280	WELL 5 BHW
201606020281	WELL 6A BHW
201606020282	WELL 2 TB
201606020283	FRB-ANALYZE
201606020283	FRB-ANALYZE

Analyzed by: LHZ
Analyzed by: LHZ
Analyzed by: LHZ
Analyzed by: LHZ
Analyzed by: LHZ
Analyzed by: LHZ
Analyzed by: LHZ

Perfluorinated Alkyl Acids

Prep Batch: 915136 Analytical Batch: 916883

Analysis Date: 06/11/2016

201606020278	WELL 7 GY
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Analyzed by: 1CL

Perfluorinated Alkyl Acids

Analytical Batch: 917084

Analysis Date: 06/15/2016

201606020280	WELL 5 BHW
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Analyzed by: LHZ

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Monrovia, California 91016-3629
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1 800 566 LABS (1 800 566 5227)

Valley Utilities Water Co., Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
Perfluorinated Alkyl Acids by EPA 537									
Prep Batch: 915652 Analytical Batch: 916843					Analysis Date: 06/14/2016				
LCS1	13C-PFDA (S)			118	%	118	(70-130)		
LCS2	13C-PFDA (S)			110	%	110	(70-130)		
MBLK	13C-PFDA (S)			104	%	104	(70-130)		
MRL_CHK	13C-PFDA (S)			97.8	%	98	(70-130)		
MS_201606060428	13C-PFDA (S)			102	%	102	(70-130)		
MSD_201606060428	13C-PFDA (S)			99.2	%	99	(70-130)		
LCS1	13C-PFHxA (S)			112	%	112	(70-130)		
LCS2	13C-PFHxA (S)			112	%	112	(70-130)		
MBLK	13C-PFHxA (S)			112	%	112	(70-130)		
MRL_CHK	13C-PFHxA (S)			112	%	112	(70-130)		
MS_201606060428	13C-PFHxA (S)			114	%	114	(70-130)		
MSD_201606060428	13C-PFHxA (S)			102	%	102	(70-130)		
LCS1	13C-PFOA (I)			110	%	110	(50-150)		
LCS2	13C-PFOA (I)			112	%	112	(50-150)		
MBLK	13C-PFOA (I)			104	%	104	(50-150)		
MRL_CHK	13C-PFOA (I)			112	%	112	(50-150)		
MS_201606060428	13C-PFOA (I)			115	%	115	(50-150)		
MSD_201606060428	13C-PFOA (I)			120	%	120	(50-150)		
LCS1	13C-PFOS (I)			108	%	108	(50-150)		
LCS2	13C-PFOS (I)			111	%	111	(50-150)		
MBLK	13C-PFOS (I)			102	%	102	(50-150)		
MRL_CHK	13C-PFOS (I)			111	%	111	(50-150)		
MS_201606060428	13C-PFOS (I)			113	%	113	(50-150)		
MSD_201606060428	13C-PFOS (I)			117	%	117	(50-150)		
LCS1	Perfluorooctanesulfonic acid		0.024	0.0244	ug/L	102	(70-130)		
LCS2	Perfluorooctanesulfonic acid		0.024	0.0235	ug/L	98	(70-130)	30	3.8
MBLK	Perfluorooctanesulfonic acid			<0.0008	ug/L				
MRL_CHK	Perfluorooctanesulfonic acid		0.0024	0.00267	ug/L	111	(50-150)		
MS_201606060428	Perfluorooctanesulfonic acid	ND	0.0024	0.00475	ug/L	134	(50-150)		
MSD_201606060428	Perfluorooctanesulfonic acid	ND	0.0024	0.00466	ug/L	130	(50-150)	50	1.9
LCS1	Perfluorooctanoic acid		0.025	0.0261	ug/L	105	(70-130)		
LCS2	Perfluorooctanoic acid		0.025	0.0250	ug/L	100	(70-130)	30	3.9
MBLK	Perfluorooctanoic acid			<0.00083	ug/L				
MRL_CHK	Perfluorooctanoic acid		0.0025	0.00299	ug/L	120	(50-150)		
MS_201606060428	Perfluorooctanoic acid	ND	0.0025	0.00464	ug/L	117	(50-150)		

Spike recovery is already corrected for native results.

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

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

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

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

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

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Valley Utilities Water Co., Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201606060428	Perfluorooctanoic acid	ND	0.0025	0.00412	ug/L	96	(50-150)	50	12

Perfluorinated Alkyl Acids by EPA 537

Prep Batch: 915136 Analytical Batch: 916883

Analysis Date: 06/11/2016

LCS1	13C-PFDA (S)			98.1	%	98	(70-130)		
LCS2	13C-PFDA (S)			102	%	102	(70-130)		
MBLK	13C-PFDA (S)			99.4	%	99	(70-130)		
MRL_CHK	13C-PFDA (S)			98.3	%	98	(70-130)		
MS1_201606060430	13C-PFDA (S)			98.4	%	98	(70-130)		
MSD1_201606060430	13C-PFDA (S)			99.9	%	100	(70-130)		
LCS1	13C-PFHxA (S)			105	%	105	(70-130)		
LCS2	13C-PFHxA (S)			106	%	106	(70-130)		
MBLK	13C-PFHxA (S)			106	%	106	(70-130)		
MRL_CHK	13C-PFHxA (S)			104	%	104	(70-130)		
MS1_201606060430	13C-PFHxA (S)			108	%	108	(70-130)		
MSD1_201606060430	13C-PFHxA (S)			105	%	105	(70-130)		
LCS1	13C-PFOA (I)			102	%	102	(50-150)		
LCS2	13C-PFOA (I)			99.1	%	99	(50-150)		
MBLK	13C-PFOA (I)			100	%	101	(50-150)		
MRL_CHK	13C-PFOA (I)			102	%	102	(50-150)		
MS1_201606060430	13C-PFOA (I)			95.2	%	95	(50-150)		
MSD1_201606060430	13C-PFOA (I)			100	%	100	(50-150)		
LCS1	13C-PFOS (I)			101	%	101	(50-150)		
LCS2	13C-PFOS (I)			96.0	%	96	(50-150)		
MBLK	13C-PFOS (I)			99.1	%	99	(50-150)		
MRL_CHK	13C-PFOS (I)			101	%	101	(50-150)		
MS1_201606060430	13C-PFOS (I)			92.9	%	93	(50-150)		
MSD1_201606060430	13C-PFOS (I)			96.1	%	96	(50-150)		
LCS1	Perfluorooctanesulfonic acid		0.024	0.0228	ug/L	95	(70-130)		
LCS2	Perfluorooctanesulfonic acid		0.024	0.0240	ug/L	100	(70-130)	30	5.1
MBLK	Perfluorooctanesulfonic acid			<0.0008	ug/L				
MRL_CHK	Perfluorooctanesulfonic acid		0.0024	0.00220	ug/L	92	(50-150)		
MS1_201606060430	Perfluorooctanesulfonic acid	ND	0.024	0.0251	ug/L	98	(70-130)		
MSD1_201606060430	Perfluorooctanesulfonic acid	ND	0.024	0.0282	ug/L	111	(70-130)	30	12
LCS1	Perfluorooctanoic acid		0.025	0.0283	ug/L	113	(70-130)		
LCS2	Perfluorooctanoic acid		0.025	0.0277	ug/L	111	(70-130)	30	2.1
MBLK	Perfluorooctanoic acid			<0.00083	ug/L				
MRL_CHK	Perfluorooctanoic acid		0.0025	0.00351	ug/L	140	(50-150)		

Spike recovery is already corrected for native results.

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

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

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

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

(S) - Indicates surrogate compound.

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Laboratory QC
Report: 593339

Valley Utilities Water Co., Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS1_201606060430	Perfluorooctanoic acid	ND	0.025	0.0295	ug/L	109	(70-130)		
MSD1_201606060430	Perfluorooctanoic acid	ND	0.025	0.0294	ug/L	108	(70-130)	30	0.34

Perfluorinated Alkyl Acids by EPA 537

Analytical Batch: 917084

Analysis Date: 06/15/2016

LCS1	13C-PFDA (S)			109	%	109	(70-130)		
LCS2	13C-PFDA (S)			105	%	105	(70-130)		
MBLK	13C-PFDA (S)			103	%	103	(70-130)		
MRL_CHK	13C-PFDA (S)			101	%	101	(70-130)		
MS1_201606140271	13C-PFDA (S)			116	%	116	(70-130)		
MSD1_201606140271	13C-PFDA (S)			114	%	114	(70-130)		
LCS1	13C-PFHxA (S)			103	%	103	(70-130)		
LCS2	13C-PFHxA (S)			102	%	102	(70-130)		
MBLK	13C-PFHxA (S)			101	%	101	(70-130)		
MRL_CHK	13C-PFHxA (S)			98.6	%	99	(70-130)		
MS1_201606140271	13C-PFHxA (S)			102	%	102	(70-130)		
MSD1_201606140271	13C-PFHxA (S)			106	%	106	(70-130)		
LCS1	13C-PFOA (I)			101	%	101	(50-150)		
LCS2	13C-PFOA (I)			103	%	103	(50-150)		
MBLK	13C-PFOA (I)			100	%	101	(50-150)		
MRL_CHK	13C-PFOA (I)			110	%	110	(50-150)		
MS1_201606140271	13C-PFOA (I)			100	%	101	(50-150)		
MSD1_201606140271	13C-PFOA (I)			101	%	101	(50-150)		
LCS1	13C-PFOS (I)			105	%	105	(50-150)		
LCS2	13C-PFOS (I)			102	%	102	(50-150)		
MBLK	13C-PFOS (I)			102	%	102	(50-150)		
MRL_CHK	13C-PFOS (I)			101	%	101	(50-150)		
MS1_201606140271	13C-PFOS (I)			106	%	106	(50-150)		
MSD1_201606140271	13C-PFOS (I)			105	%	105	(50-150)		
LCS1	Perfluorooctanesulfonic acid		0.024	0.0227	ug/L	95	(70-130)		
LCS2	Perfluorooctanesulfonic acid		0.024	0.0257	ug/L	107	(70-130)	30	12
MBLK	Perfluorooctanesulfonic acid			<0.0008	ug/L				
MRL_CHK	Perfluorooctanesulfonic acid		0.0024	0.00246	ug/L	102	(50-150)		
MS1_201606140271	Perfluorooctanesulfonic acid	ND	0.024	0.0261	ug/L	99	(70-130)		
MSD1_201606140271	Perfluorooctanesulfonic acid	ND	0.024	0.0234	ug/L	88	(70-130)	30	11
LCS1	Perfluorooctanoic acid		0.025	0.0275	ug/L	110	(70-130)		
LCS2	Perfluorooctanoic acid		0.025	0.0274	ug/L	110	(70-130)	30	0.36
MBLK	Perfluorooctanoic acid			<0.00083	ug/L				

Spike recovery is already corrected for native results.

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

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

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Valley Utilities Water Co., Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Perfluorooctanoic acid		0.0025	0.00280	ug/L	112	(50-150)		
MS1_201606140271	Perfluorooctanoic acid	0.0028	0.025	0.0284	ug/L	102	(70-130)		
MSD1_201606140271	Perfluorooctanoic acid	0.0028	0.025	0.0261	ug/L	93	(70-130)	30	8.4

Spike recovery is already corrected for native results.

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

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

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

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

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AT-1807

Laboratory Report

for

Valley Utilities Water Co., Inc.
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307
Attention: Bob Prince
Fax: 623 935 7321

Date of Issue
07/08/2016


Eurofins Eaton
Analytical

TDF: Thomas.D.French
Project Manager



Report: 597645
Project: PFC
ADHS License #: AZ0778
Group: GW Sampling

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.

* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.

* Following the cover page are State Certification List, ISO 17025 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.

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

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Mississippi	Certified
-----	-----	Montana	Cert 0035
Arizona	AZ0778	Nebraska	Certified
Arkansas	Certified	Nevada	CA00006-2016
California-Monrovia-ELAP	2813	New Hampshire *	2959
California-Colton- ELAP	2812	New Jersey *	CA 008
California-Folsom- ELAP	2820	New Mexico	Certified
California-Fresno- ELAP	2966	New York *	11320
Colorado	Certified	North Carolina	06701
Connecticut	PH-0107	North Dakota	R-009
Delaware	CA 006	Oregon (Primary AB) *	ORELAP 4034
Florida *	E871024	Pennsylvania *	68-565
Georgia	947	Puerto Rico	Certified
Guam	16-003r	Rhode Island	LAO00326
Hawaii	Certified	South Carolina	87016
Idaho	Certified	South Dakota	Certified
Illinois *	200033	Tennessee	TN02839
Indiana	C-CA-01	Texas *	T104704230-15-9
Kansas *	E-10268	Utah *	CA000062016-10
Kentucky	90107	Vermont	VT0114
Louisiana *	LA16003	Virginia *	460260
Maine	CA0006	Washington	C838
Maryland	224	-----	-----
Commonwealth of Northern Marianas Is.	MP0004	-----	-----
Massachusetts	M-CA006	EPA Region 5	Certified
Michigan	9906	Los Angeles County Sanitation Districts	10264

* NELAP/TNI Recognized Accreditation Bodies

ISO 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.

Refer to Certificate and scope of accreditation (AT 1807) found at: <http://www.eatonanalytical.com>

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
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	
Bicarbonate Alkalinity as HCO3	SM 2320B	x	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	x		x
Chlorine -Total/Free/ Combined Residua	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cryptosporidium	EPA 1622, 1623	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/DBCP 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
Giardia	EPA 1623	x		x
Glyphosate	EPA 547	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	Environ-mental (Drinking Water)	Environ-mental (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	CDC Legionella	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
NDMA	EPA 521	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 Phosphate	SM 4500P E			x
Ortho Phosphorous	SM 4500P E	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
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
Semi-VOC	EPA 625		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 (2346)	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	
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/EPA 524.3	x		x
VOC	EPA 624		x	x
VOC	EPA SW 846 8260	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x

750 Royal Oaks Dr., Ste 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (626) 386-1101 <http://www.EatonAnalytical.com>

Version 001 Issued: 09/04/2015

Acknowledgement of Samples Received

Addr: **Valley Utilities Water Co., Inc.**
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Client ID: VALLEYUTL-AZ

Folder #: 597645

Project: PFC

Sample Group: GW Sampling

Attn: Bob Prince
Phone: 623 935 1100

Project Manager: Thomas.D.French
Phone: (480) 778-1558

The following samples were received from you on **June 28, 2016 at 16:03**. 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.

Sample #	Sample ID	Sample Date
<u>201606280582</u>	WELL 6A BHW	06/28/2016 1435
	@537-PFOS-PFOA	
<u>201606280583</u>	WELL 5 BHW	06/28/2016 1455
	@537-PFOS-PFOA	
<u>201606280584</u>	BHW EPDS	06/28/2016 1442
	@537-PFOS-PFOA	
<u>201606280585</u>	FRB-ANALYZE	06/28/2016 1420
	@537-PFOS-PFOA FB	

Test Description

@537-PFOS-PFOA -- Perfluorinated Alkyl Acids

@537-PFOS-PFOA FB -- Perfluorinated Alkyl Acids

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

Valley Utilities Water Co., Inc.
Bob Prince
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

Laboratory Hits
Report: 597645

Valley Utilities Water Co., Inc.
Bob Prince
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Samples Received on:
06/28/2016 16:03

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
201606280582 <u>WELL 6A BHW</u>						
07/02/2016 23:56	Perfluorooctanesulfonic acid		0.044		ug/L	0.0025
07/02/2016 23:56	Perfluorooctanoic acid		0.014		ug/L	0.0025
201606280583 <u>WELL 5 BHW</u>						
07/03/2016 00:47	Perfluorooctanesulfonic acid		0.077		ug/L	0.0025
07/03/2016 00:47	Perfluorooctanoic acid		0.035		ug/L	0.0025
201606280584 <u>BHW EPDS</u>						
07/03/2016 01:13	Perfluorooctanesulfonic acid		0.053		ug/L	0.0025
07/03/2016 01:13	Perfluorooctanoic acid		0.026		ug/L	0.0025

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data
Report: 597645

Valley Utilities Water Co., Inc.
Bob Prince
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Samples Received on:
06/28/2016 16:03

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
WELL 6A BHW (201606280582)					Sampled on 06/28/2016 1435			
EPA 537 - Perfluorinated Alkyl Acids								
6/29/2016	07/02/2016	23:56 921001	(EPA 537)	Perfluorooctanesulfonic acid	0.044	ug/L	0.0025	1
6/29/2016	07/02/2016	23:56 921001	(EPA 537)	Perfluorooctanoic acid	0.014	ug/L	0.0025	1
6/29/2016	07/02/2016	23:56 921001	(EPA 537)	13C-PFDA	97	%		1
6/29/2016	07/02/2016	23:56 921001	(EPA 537)	13C-PFHxA	80	%		1
6/29/2016	07/02/2016	23:56 921001	(EPA 537)	13C-PFOA	98	%		1
6/29/2016	07/02/2016	23:56 921001	(EPA 537)	13C-PFOS	96	%		1
WELL 5 BHW (201606280583)					Sampled on 06/28/2016 1455			
EPA 537 - Perfluorinated Alkyl Acids								
6/29/2016	07/03/2016	00:47 921001	(EPA 537)	Perfluorooctanesulfonic acid	0.077	ug/L	0.0025	1
6/29/2016	07/03/2016	00:47 921001	(EPA 537)	Perfluorooctanoic acid	0.035	ug/L	0.0025	1
6/29/2016	07/03/2016	00:47 921001	(EPA 537)	13C-PFDA	107	%		1
6/29/2016	07/03/2016	00:47 921001	(EPA 537)	13C-PFHxA	87	%		1
6/29/2016	07/03/2016	00:47 921001	(EPA 537)	13C-PFOA	94	%		1
6/29/2016	07/03/2016	00:47 921001	(EPA 537)	13C-PFOS	96	%		1
BHW EPDS (201606280584)					Sampled on 06/28/2016 1442			
EPA 537 - Perfluorinated Alkyl Acids								
6/29/2016	07/03/2016	01:13 921001	(EPA 537)	Perfluorooctanesulfonic acid	0.053	ug/L	0.0025	1
6/29/2016	07/03/2016	01:13 921001	(EPA 537)	Perfluorooctanoic acid	0.026	ug/L	0.0025	1
6/29/2016	07/03/2016	01:13 921001	(EPA 537)	13C-PFDA	99	%		1
6/29/2016	07/03/2016	01:13 921001	(EPA 537)	13C-PFHxA	88	%		1
6/29/2016	07/03/2016	01:13 921001	(EPA 537)	13C-PFOA	93	%		1
6/29/2016	07/03/2016	01:13 921001	(EPA 537)	13C-PFOS	95	%		1
FRB-ANALYZE (201606280585)					Sampled on 06/28/2016 1420			
EPA 537 - Perfluorinated Alkyl Acids								
6/29/2016	07/03/2016	01:38 921001	(EPA 537)	Perfluorooctanesulfonic acid	ND	ug/L	0.0025	1
6/29/2016	07/03/2016	01:38 921001	(EPA 537)	Perfluorooctanoic acid	ND	ug/L	0.0025	1
6/29/2016	07/03/2016	01:38 921001	(EPA 537)	13C-PFDA	113	%		1
6/29/2016	07/03/2016	01:38 921001	(EPA 537)	13C-PFHxA	80	%		1
6/29/2016	07/03/2016	01:38 921001	(EPA 537)	13C-PFOA	109	%		1
6/29/2016	07/03/2016	01:38 921001	(EPA 537)	13C-PFOS	105	%		1

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Valley Utilities Water Co., Inc.

Perfluorinated Alkyl Acids

Prep Batch: 920103 Analytical Batch: 921001

Analysis Date: 07/02/2016

201606280582	WELL 6A BHW
201606280583	WELL 5 BHW
201606280584	BHW EPDS
201606280585	FRB-ANALYZE

Analyzed by: LHZ
Analyzed by: LHZ
Analyzed by: LHZ
Analyzed by: LHZ

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Valley Utilities Water Co., Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
Perfluorinated Alkyl Acids by EPA 537									
Prep Batch: 920103 Analytical Batch: 921001					Analysis Date: 07/02/2016				
LCS1	13C-PFDA (S)			103	%	103	(70-130)		
LCS2	13C-PFDA (S)			97.5	%	97	(70-130)		
MBLK	13C-PFDA (S)			80.7	%	81	(70-130)		
MRL_CHK	13C-PFDA (S)			93.4	%	93	(70-130)		
MS1_201606210140	13C-PFDA (S)			103	%	103	(70-130)		
MSD1_201606210140	13C-PFDA (S)			96.1	%	96	(70-130)		
LCS1	13C-PFHxA (S)			84.8	%	85	(70-130)		
LCS2	13C-PFHxA (S)			85.8	%	86	(70-130)		
MBLK	13C-PFHxA (S)			88.9	%	89	(70-130)		
MRL_CHK	13C-PFHxA (S)			88.7	%	89	(70-130)		
MS1_201606210140	13C-PFHxA (S)			87.6	%	88	(70-130)		
MSD1_201606210140	13C-PFHxA (S)			80.0	%	80	(70-130)		
LCS1	13C-PFOA (I)			75.3	%	75	(50-150)		
LCS2	13C-PFOA (I)			77.1	%	77	(50-150)		
MBLK	13C-PFOA (I)			97.4	%	97	(50-150)		
MRL_CHK	13C-PFOA (I)			77.6	%	78	(50-150)		
MS1_201606210140	13C-PFOA (I)			79.1	%	79	(50-150)		
MSD1_201606210140	13C-PFOA (I)			81.3	%	81	(50-150)		
LCS1	13C-PFOS (I)			79.1	%	79	(50-150)		
LCS2	13C-PFOS (I)			78.1	%	78	(50-150)		
MBLK	13C-PFOS (I)			99.8	%	100	(50-150)		
MRL_CHK	13C-PFOS (I)			77.2	%	77	(50-150)		
MS1_201606210140	13C-PFOS (I)			86.1	%	86	(50-150)		
MSD1_201606210140	13C-PFOS (I)			85.1	%	85	(50-150)		
LCS1	Perfluorooctanesulfonic acid		0.024	0.0217	ug/L	91	(70-130)		
LCS2	Perfluorooctanesulfonic acid		0.024	0.0226	ug/L	94	(70-130)	30	4.1
MBLK	Perfluorooctanesulfonic acid			<0.0008	ug/L				
MRL_CHK	Perfluorooctanesulfonic acid		0.0024	0.00251	ug/L	104	(50-150)		
MS1_201606210140	Perfluorooctanesulfonic acid	ND	0.024	0.0243	ug/L	93	(70-130)		
MSD1_201606210140	Perfluorooctanesulfonic acid	ND	0.024	0.0228	ug/L	87	(70-130)	30	6.4
LCS1	Perfluorooctanoic acid		0.025	0.0235	ug/L	94	(70-130)		
LCS2	Perfluorooctanoic acid		0.025	0.0233	ug/L	93	(70-130)	30	0.86
MBLK	Perfluorooctanoic acid			<0.00083	ug/L				
MRL_CHK	Perfluorooctanoic acid		0.0025	0.00336	ug/L	134	(50-150)		
MS1_201606210140	Perfluorooctanoic acid	ND	0.025	0.0249	ug/L	92	(70-130)		

Spike recovery is already corrected for native results.

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

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

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

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

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

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Valley Utilities Water Co., Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD1_201606210140	Perfluorooctanoic acid	ND	0.025	0.0246	ug/L	90	(70-130)	30	1.2

Spike recovery is already corrected for native results.

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

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

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

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

(S) - Indicates surrogate compound.

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Laboratory Report

for

Valley Utilities Water Co., Inc.
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307
Attention: Bob Prince
Fax: 623 935 7321

Date of Issue
09/19/2016



Eurofins Eaton
Analytical

TDF: Thomas.D.French
Project Manager



Report: 608192
Project: PFC
ADHS License #: AZ0778
Group: GW Sampling

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.

* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.

* Following the cover page are State Certification List, ISO 17025 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.

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

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Mississippi	Certified
-----	-----	Montana	Cert 0035
Arizona	AZ0778	Nebraska	Certified
Arkansas	Certified	Nevada	CA00006-2016
California-Monrovia-ELAP	2813	New Hampshire *	2959
California-Colton- ELAP	2812	New Jersey *	CA 008
California-Folsom- ELAP	2820	New Mexico	Certified
California-Fresno- ELAP	2966	New York *	11320
Colorado	Certified	North Carolina	06701
Connecticut	PH-0107	North Dakota	R-009
Delaware	CA 006	Oregon (Primary AB) *	ORELAP 4034
Florida *	E871024	Pennsylvania *	68-565
Georgia	947	Puerto Rico	Certified
Guam	16-003r	Rhode Island	LAO00326
Hawaii	Certified	South Carolina	87016
Idaho	Certified	South Dakota	Certified
Illinois *	200033	Tennessee	TN02839
Indiana	C-CA-01	Texas *	T104704230-15-9
Kansas *	E-10268	Utah *	CA000062016-10
Kentucky	90107	Vermont	VT0114
Louisiana *	LA16003	Virginia *	460260
Maine	CA0006	Washington	C838
Maryland	224	-----	-----
Commonwealth of Northern Marianas Is.	MP0004	-----	-----
Massachusetts	M-CA006	EPA Region 5	Certified
Michigan	9906	Los Angeles County Sanitation Districts	10264

* NELAP/TNI Recognized Accreditation Bodies

ISO 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.

Refer to Certificate and scope of accreditation (AT 1807) found at: <http://www.eatonanalytical.com>

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
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	
Bicarbonate Alkalinity as HCO3	SM 2320B	x	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	x		x
Chlorine -Total/Free/ Combined Residua	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cryptosporidium	EPA 1622, 1623	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/DBCP 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
Giardia	EPA 1623	x		x
Glyphosate	EPA 547	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	Environ-mental (Drinking Water)	Environ-mental (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	CDC Legionella	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
NDMA	EPA 521	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 Phosphate	SM 4500P E			x
Ortho Phosphorous	SM 4500P E	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
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
Semi-VOC	EPA 625		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 (2346)	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	
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/EPA 524.3	x		x
VOC	EPA 624		x	x
VOC	EPA SW 846 8260	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x

750 Royal Oaks Dr., Ste 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (626) 386-1101 <http://www.EatonAnalytical.com>

Version 001 Issued: 09/04/2015

Acknowledgement of Samples Received

Addr: **Valley Utilities Water Co., Inc.**
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Client ID: VALLEYUTL-AZ

Folder #: 608192

Project: PFC

Sample Group: GW Sampling

Attn: Bob Prince
Phone: 623 935 1100

Project Manager: Thomas.D.French
Phone: (480) 778-1558

The following samples were received from you on **August 29, 2016 at 14:50**. 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.

Sample #	Sample ID	Sample Date
<u>201608290256</u>	BHW RAW	08/26/2016 1315
	@537-PFOS-PFOA	
<u>201608290257</u>	SOLARE RANCH	08/26/2016 1330
	@537-PFOS-PFOA	
<u>201608290258</u>	CAPISTRANO	08/26/2016 1255
	@537-PFOS-PFOA	
<u>201608290259</u>	12540 W BETHANY-HOME	08/26/2016 1305
	@537-PFOS-PFOA	
<u>201608290260</u>	FRB-ANALYZE	08/26/2016 1245
	@537-PFOS-PFOA FB @537-PFOS-PFOA TB	

Test Description

@537-PFOS-PFOA -- Perfluorinated Alkyl Acids

@537-PFOS-PFOA FB -- Perfluorinated Alkyl Acids

@537-PFOS-PFOA TB -- Perfluorinated Alkyl Acids

EUROFINS EATON ANALYTICAL USE ONLY:

Website: www.EatonAnalytical.com

SAMPLES LOGGED IN BY:

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

Compliance Acceptance Criteria: (Chemistry: $4 \pm 2^\circ\text{C}$) (Microbiology: $< 10^\circ\text{C}$)

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: _____

TO BE COMPLETED BY SAMPLER:

(check for yes)

(check for yes)

COMPANY/AGENCY NAME:

PROJECT CODE:

COMPLIANCE SAMPLES

NON-COMPLIANCE SAMPLES

- Requires state forms

REGULATION INVOLVED:

Type of samples (circle one): ROUTINE ~~SPECIAL~~ CONFIRMATION (eg. SDWA, NPDES, etc.)

EEA CLIENT CODE:

COC ID:

SAMPLE GROUP:

SEE ATTACHED KIT ORDER FOR ANALYSES

(check for yes), OR

Valley Utl - AZ

GW Sampling

List ALL ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

TAT requested: rush by adv notice only

STD _____ 1 wk _____ 3 day _____ 2 day _____ 1 day _____

[illegible]

* **MATRIX TYPES:** RSW = Raw Surface Water CFW = Chlor(am)inated Finished Water SEAW = Sea Water BW = Bottled Water SO = Soil O = Other - Please Identify
 RGW = Raw Ground Water FW = Other Finished Water WW = Waste Water SW = Storm Water SL = Sludge

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE _____

TIME

SAMPLED BY:	Cory Hinkle	Cory Hinkle	JUWCO / OPS manager	8-26-16	12:30p
RELINQUISHED BY:	Cory Hinkle	Cory Hinkle	JUWCO / OPS manager	8-26-16	12:30p
RECEIVED BY:	[Signature]	Steve Wachob	EEA	8-26-16	1431
RELINQUISHED BY:	[Signature]	Steve Wachob	EEA	8-26-16	1700
RECEIVED BY:	[Signature]	[Signature]	PEA	8-26-16	1245

QA FO 0029.2 (Version 2) (08/28/2014)

PAGE 1 OF 1

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Laboratory Comments
Report: 608192

Valley Utilities Water Co., Inc.
Bob Prince
6808 N. Dysart Road, Suite 112
Glendale, AZ 85307

Tel: (626) 386-1100
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Laboratory Hits
Report: 608192

Valley Utilities Water Co., Inc.
Bob Prince
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Samples Received on:
08/29/2016 14:50

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
201608290256 <u>BHW RAW</u>						
09/16/2016 12:36	Perfluorooctanesulfonic acid		0.14		ug/L	0.025
09/16/2016 03:36	Perfluorooctanoic acid		0.024		ug/L	0.0025
201608290257 <u>SOLARE RANCH</u>						
09/16/2016 12:58	Perfluorooctanesulfonic acid		0.13		ug/L	0.025
09/16/2016 03:58	Perfluorooctanoic acid		0.022		ug/L	0.0025
201608290258 <u>CAPISTRANO</u>						
09/16/2016 13:19	Perfluorooctanesulfonic acid		0.11		ug/L	0.025
09/16/2016 04:20	Perfluorooctanoic acid		0.022		ug/L	0.0025
201608290259 <u>12540 W BETHANY-HOME</u>						
09/16/2016 13:41	Perfluorooctanesulfonic acid		0.11		ug/L	0.025
09/16/2016 04:41	Perfluorooctanoic acid		0.023		ug/L	0.0025

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data
Report: 608192

Valley Utilities Water Co., Inc.
Bob Prince
6808 N. Dysart Road, Sute 112
Glendale, AZ 85307

Samples Received on:
08/29/2016 14:50

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
BHW RAW (201608290256)						Sampled on 08/26/2016 1315			
EPA 537 - Perfluorinated Alkyl Acids									
09/08/16	09/16/16 12:36	934861	936088	(EPA 537)	Perfluorooctanesulfonic acid	0.14	ug/L	0.025	10
09/08/16	09/16/16 03:36	934861	936088	(EPA 537)	Perfluorooctanoic acid	0.024	ug/L	0.0025	1
09/08/16	09/16/16 03:36	934861	936088	(EPA 537)	13C-PFDA	94	%		1
09/08/16	09/16/16 03:36	934861	936088	(EPA 537)	13C-PFHxA	90	%		1
09/08/16	09/16/16 03:36	934861	936088	(EPA 537)	13C-PFOA	124	%		1
09/08/16	09/16/16 03:36	934861	936088	(EPA 537)	13C-PFOS	119	%		1
SOLARE RANCH (201608290257)						Sampled on 08/26/2016 1330			
EPA 537 - Perfluorinated Alkyl Acids									
09/08/16	09/16/16 12:58	934861	936088	(EPA 537)	Perfluorooctanesulfonic acid	0.13	ug/L	0.025	10
09/08/16	09/16/16 03:58	934861	936088	(EPA 537)	Perfluorooctanoic acid	0.022	ug/L	0.0025	1
09/08/16	09/16/16 03:58	934861	936088	(EPA 537)	13C-PFDA	91	%		1
09/08/16	09/16/16 03:58	934861	936088	(EPA 537)	13C-PFHxA	96	%		1
09/08/16	09/16/16 03:58	934861	936088	(EPA 537)	13C-PFOA	121	%		1
09/08/16	09/16/16 03:58	934861	936088	(EPA 537)	13C-PFOS	111	%		1
CAPISTRANO (201608290258)						Sampled on 08/26/2016 1255			
EPA 537 - Perfluorinated Alkyl Acids									
09/08/16	09/16/16 13:19	934861	936088	(EPA 537)	Perfluorooctanesulfonic acid	0.11	ug/L	0.025	10
09/08/16	09/16/16 04:20	934861	936088	(EPA 537)	Perfluorooctanoic acid	0.022	ug/L	0.0025	1
09/08/16	09/16/16 04:20	934861	936088	(EPA 537)	13C-PFDA	99	%		1
09/08/16	09/16/16 04:20	934861	936088	(EPA 537)	13C-PFHxA	94	%		1
09/08/16	09/16/16 04:20	934861	936088	(EPA 537)	13C-PFOA	116	%		1
09/08/16	09/16/16 04:20	934861	936088	(EPA 537)	13C-PFOS	116	%		1
12540 W BETHANY-HOME (201608290259)						Sampled on 08/26/2016 1305			
EPA 537 - Perfluorinated Alkyl Acids									
09/08/16	09/16/16 13:41	934861	936088	(EPA 537)	Perfluorooctanesulfonic acid	0.11	ug/L	0.025	10
09/08/16	09/16/16 04:41	934861	936088	(EPA 537)	Perfluorooctanoic acid	0.023	ug/L	0.0025	1
09/08/16	09/16/16 04:41	934861	936088	(EPA 537)	13C-PFDA	90	%		1
09/08/16	09/16/16 04:41	934861	936088	(EPA 537)	13C-PFHxA	95	%		1
09/08/16	09/16/16 04:41	934861	936088	(EPA 537)	13C-PFOA	117	%		1
09/08/16	09/16/16 04:41	934861	936088	(EPA 537)	13C-PFOS	113	%		1
FRB-ANALYZE (201608290260)						Sampled on 08/26/2016 1245			
EPA 537 - Perfluorinated Alkyl Acids									

Rounding on totals after summation.
(c) - indicates calculated results

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Laboratory Data
Report: 608192

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 Glendale, AZ 85307

Samples Received on:
 08/29/2016 14:50

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
09/08/16	09/16/16 02:32	934861	936088	(EPA 537)	Perfluorooctanesulfonic acid	ND	ug/L	0.0025	1
09/08/16	09/16/16 02:32	934861	936088	(EPA 537)	Perfluorooctanoic acid	ND	ug/L	0.0025	1
09/08/16	09/16/16 02:32	934861	936088	(EPA 537)	13C-PFDA	105	%		1
09/08/16	09/16/16 02:32	934861	936088	(EPA 537)	13C-PFHxA	102	%		1
09/08/16	09/16/16 02:32	934861	936088	(EPA 537)	13C-PFOA	118	%		1
09/08/16	09/16/16 02:32	934861	936088	(EPA 537)	13C-PFOS	115	%		1

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Valley Utilities Water Co., Inc.

Perfluorinated Alkyl Acids

Prep Batch: 934861 Analytical Batch: 936088

Analysis Date: 09/16/2016

201608290256	BHW RAW
201608290257	SOLARE RANCH
201608290258	CAPISTRANO
201608290259	12540 W BETHANY-HOME
201608290260	FRB-ANALYZE

Analyzed by: LHZ
Analyzed by: LHZ
Analyzed by: LHZ
Analyzed by: LHZ
Analyzed by: LHZ

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Laboratory QC
Report: 608192

Valley Utilities Water Co., Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
Perfluorinated Alkyl Acids by EPA 537									
Prep Batch: 934861 Analytical Batch: 936088					Analysis Date: 09/16/2016				
LCS1	13C-PFDA (S)			90.0	%	90	(70-130)		
LCS2	13C-PFDA (S)			103	%	103	(70-130)		
MBLK	13C-PFDA (S)			92.8	%	93	(70-130)		
MRL_CHK	13C-PFDA (S)			94.8	%	95	(70-130)		
MS_201608170728	13C-PFDA (S)			101	%	101	(70-130)		
MSD_201608170728	13C-PFDA (S)			94.0	%	94	(70-130)		
LCS1	13C-PFHxA (S)			94.7	%	95	(70-130)		
LCS2	13C-PFHxA (S)			97.4	%	97	(70-130)		
MBLK	13C-PFHxA (S)			100	%	101	(70-130)		
MRL_CHK	13C-PFHxA (S)			96.5	%	97	(70-130)		
MS_201608170728	13C-PFHxA (S)			100	%	100	(70-130)		
MSD_201608170728	13C-PFHxA (S)			93.1	%	93	(70-130)		
LCS1	13C-PFOA (I)			114	%	114	(50-150)		
LCS2	13C-PFOA (I)			102	%	102	(50-150)		
MBLK	13C-PFOA (I)			107	%	107	(50-150)		
MRL_CHK	13C-PFOA (I)			113	%	113	(50-150)		
MS_201608170728	13C-PFOA (I)			108	%	108	(50-150)		
MSD_201608170728	13C-PFOA (I)			109	%	109	(50-150)		
LCS1	13C-PFOS (I)			120	%	120	(50-150)		
LCS2	13C-PFOS (I)			103	%	103	(50-150)		
MBLK	13C-PFOS (I)			107	%	107	(50-150)		
MRL_CHK	13C-PFOS (I)			108	%	108	(50-150)		
MS_201608170728	13C-PFOS (I)			114	%	114	(50-150)		
MSD_201608170728	13C-PFOS (I)			104	%	104	(50-150)		
LCS1	Perfluorooctanesulfonic acid		0.024	0.0212	ug/L	89	(70-130)		
LCS2	Perfluorooctanesulfonic acid		0.024	0.0230	ug/L	96	(70-130)	30	8.1
MBLK	Perfluorooctanesulfonic acid			<0.0008	ug/L				
MRL_CHK	Perfluorooctanesulfonic acid		0.0024	0.00308	ug/L	128	(50-150)		
MS_201608170728	Perfluorooctanesulfonic acid	ND	0.0024	0.00295	ug/L	90	(50-150)		
MSD_201608170728	Perfluorooctanesulfonic acid	ND	0.0024	0.00292	ug/L	89	(50-150)	50	1.0
LCS1	Perfluorooctanoic acid		0.025	0.0233	ug/L	93	(70-130)		
LCS2	Perfluorooctanoic acid		0.025	0.0237	ug/L	95	(70-130)	30	1.7
MBLK	Perfluorooctanoic acid			<0.00083	ug/L				
MRL_CHK	Perfluorooctanoic acid		0.0025	0.00337	ug/L	135	(50-150)		
MS_201608170728	Perfluorooctanoic acid	ND	0.0025	0.00333	ug/L	96	(50-150)		

Spike recovery is already corrected for native results.

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

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

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

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

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201608170728	Perfluorooctanoic acid	ND	0.0025	0.00330	ug/L	95	(50-150)	50	0.91

Spike recovery is already corrected for native results.

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

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

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

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

(S) - Indicates surrogate compound.

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