eurofins | Eaton Analytical

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

ilac-MRA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1807

Laboratory Report

for

West Slope Water District
31PO Box 25140
Portland, OR 97298
Attention: Michael Grimm

NELAP RECOGNIZED TNI ACCREDITATION BODY

Utah ELCP CA00006

Date of Issue
07/29/2019
Vanessa Berry
EUROFINS EATON ANALYTICAL, LLC

Report:815398
Project:UCMR4
Group:AM2-DS-OR4100660-West Slope Water District

ZIA8: Vanessa Berry

Project Manager

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

Eurofins Eaton Analytical, LLC
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 866-988-3757
www.EurofinsUS.com/Eaton

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	Environ-mental (Drinking Water)	Environ-mental (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-Cl 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/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
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	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	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 Polutant	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			

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Acknowledgement of Samples Received

Addr: **West Slope Water District**
31PO Box 25140
Portland, OR 97298

Attn: Michael Grimm
Phone: 503-292-2777

Client ID: WESTSLOPE-OR
Folder #: 815398
Project: UCMR4
Sample Group: AM2-DS-OR4100660-West Slope Water District
Project Manager: Vanessa Berry
Phone: 503-310-3905

The following samples were received from you on **July 11, 2019** at **1437**. 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
201907110637	11944-SITE1-SW Sylvan Court	07/10/2019 0918
	Sample Type: DS Sample Event: SEH1 Facility ID: 11944 Sample Point ID: SITE1 PWSID: OR4100660	
	@UCMR4 552.3	
201907110638	11943-SITE6-SW Fairway Drive	07/10/2019 0943
	Sample Type: DS Sample Event: SEH1 Facility ID: 11943 Sample Point ID: SITE6 PWSID: OR4100660	
	@UCMR4 552.3	
201907110639	11942-SITE3-SW Kennedy Street	07/10/2019 0930
	Sample Type: DS Sample Event: SEH1 Facility ID: 11942 Sample Point ID: SITE3 PWSID: OR4100660	
	@UCMR4 552.3	
201907110640	11941-SITE7-SW Poplar Street	07/10/2019 0938
	Sample Type: DS Sample Event: SEH1 Facility ID: 11941 Sample Point ID: SITE7 PWSID: OR4100660	
	@UCMR4 552.3	

Test Description

@UCMR4 552.3 -- UCMR4 552.3

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UCMR4 CHAIN OF CUSTODY RECORD

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

Phone: 626 386 1100/ 800 566 LABS (800 566 5227)
Fax: 626 386 1101

Website: http://www.eurofinsus.com/Eaton

EUROFINS EATON ANALYTICAL USE ONLY:

Folder No: 575646

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY: CB

SAMPLES LOGGED IN BY:

SAMPLE TEMP RECEIVED Criteria: (recorded in internal COC)

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

If the sample(s) received:

- same day receipt as sample collection with evidence of cooling, sample temperature ≥ 10°C is acceptable
- within the first 48 hours of collection time; sample temperature must be ≤10°C (except 200.8) and not frozen (except 546), and
- after 48 hours of collection time; sample temperature must be ≤ 6°C (except 200.8) and not frozen (except 546), and valid if refrigerated between collection and shipment documented below as "yes."

PWSID: ORH100660
Example: (CA1234567)

For PWS and Intermediate Lab Use ONLY:
Were samples cooled between sample collection and shipment at 10°C, or less, for the first 48 hours and 6°C, or less, thereafter? If yes, please "✓" the box next to yes below.
No documentation of cooling of samples between collection and shipment for samples received after 48 hours of sample collection **will be rejected.**
Intermediate Lab: YES ☐ NO ☐ **PWS: YES ☐ NO ☐**

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: West Slope Water Dist.

PROJECT CODE: UCMR 4

EEA CLIENT CODE: Westslope-OR

SAMPLE GROUP: AM1-EP / AM2-DS

TAT requested: rush by adv notice only STD ___ 1 wk ___ 3 day ___ 2 day ___ 1 day ___

- **Resample?** ☐ (check for yes) if **YES**, please specify which sample event it is for _____

NOTE: we MUST have PWSID#, Facility ID, Sample Point ID, and Sample event # to be able to upload data to EPA Database

SEE ATTACHED BOTTLE ORDER FOR ANALYSES ☐ (check for yes), OR

list ANALYSES REQUIRED (Mark the number of containers in all test required for each sample line)

SAMPLE DATE	SAMPLE TIME	FACILITY ID (per EPA Requirement) - 5 characters Max	SAMPLE POINT ID (per EPA Requirement) - 20 characters max	SAMPLE EVENT # [1]	UCMR4 544	UCMR4 545	UCMR4 546		UCMR4 200.8	UCMR4 525.3	UCMR4 530	UCMR4 541		UCMR4 552.3	TOC	Bromide			SAMPLER COMMENTS
7-10-19	9:00 AM		Entry Point						X	X	X	X							
7-10-19	9:18 AM		Sylvan Ct.											X					
7-10-19	9:43 AM		Fairway Dr.											X					
7-10-19	9:30 AM		Kennedy St.											X					
7-10-19	9:38 AM		Poplar St.											X					

[1] **Sample Event Code:** Cyanotoxins -- SEC1 SEC2 SEC3 SEC4 SEC5 SEC6 SEC7 SEC8

HAAs -- SEH 1 SEH2 SEH3 SEH4

Metals, Pesticides, Alcohols, SVOCs -- SEA 1 SEA2 SEA3 SEA4

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
SAMPLED BY:	Bart Johnson	Bart Johnson	WSWD	7-10-19	10:30
RELINQUISHED BY:					
RECEIVED BY:		A Anderson	TAPOR	7/10/19	1030
RELINQUISHED BY:	Vanessa	Vanessa Berry	EEA	7-10-19	1500
RECEIVED BY:	Chuck Brooks	Chuck Brooks	EEA	7.11.19	1437

QA FO 0103.1 (QA FO-FRM17289) Version 2 (12/28/2017)

PAGE ____ OF ____

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UCMR4 INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 855910

SAMPLES RECEIVED WITHIN 48 HOURS OF COLLECTION TIME? [X]

TYPE OF ICE: Real X Synthetic ____ No Ice ____

CONDITION OF ICE: Frozen ____ Partially Frozen X Thawed ____ N/A ____

CONDITION OF SAMPLE: Frozen ____ Partially Frozen ____ Not Frozen X

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

Compliance Acceptance Criteria: 105638673912

If sample(s) received:

1) on the same day as the collection day; sample temperature may be ≥10°C with evidence of cooling

2) within the first 48 hours of collection time; sample temperature must be ≤10°C (except 200.8) and not frozen (except 546), and

3) after 48 hours of collection time; sample temperature must be ≤ 6°C (except 200.8) and not frozen (except 546), and not rejected if refrigerated between collection and shipment documented on UCMR4 COC as "yes."

Note: A minimum of 1 bottle for every analytical method must be checked for temperature. If the bottle that is checked does not meet the temperature criterion, then the sample bottle is rejected. The temperature of the other samples collected for that method is checked to determined if a valid sample was received.

Facility ID & Unique Field Sample ID: 11940-EP001

IR Gun ID = 616A

Method	Container ID	Observation (°C)	Correction Factor (°C)	Final (°C)
UCMR4 2608	1	1.3	+ -0.2	= 1.1
UCMR4 525.3	1	3.7	+ -0.2	= 3.5
	2		+	=
	3		+	=
UCMR4 530	1	4.6	+ -0.2	= 4.4
	2		+	=
	3		+	=
UCMR4 541	1	3.0	+ -0.2	= 2.8
	2		+	=
	3		+	=
UCMR4 552.3	1	3.2	+ -0.2	= 3.0
TOC (5310C)	1		+	=
Bromide (300.0)	1		+	=

Method	Container ID	Observation (°C)	Correction Factor (°C)	Final (°C)
UCMR4 544	1		+	=
	2		+	=
	3		+	=
UCMR4 545	1		+	=
UCMR4 546	1		+	=

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY: Chuck Brooks	Chuck Brooks	Eurofins Eaton Analytical	7.11.19	1437

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

Laboratory Comments

Report: 815398
Project: UCMR4
Group: AM2-DS-OR4100660-West Slope Water District

West Slope Water District
Michael Grimm
31PO Box 25140
Portland, OR 97298

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

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Laboratory Hits

Report: 815398
Project: UCMR4
Group: AM2-DS-OR4100660-West Slope Water District

West Slope Water District
Michael Grimm
31PO Box 25140
Portland, OR 97298

Samples Received on:
07/11/2019 1437

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201907110637	**11944-SITE1-SW Sylvan Court**				
07/23/2019 12:25	Bromochloroacetic acid		0.45		ug/L	0.30
07/23/2019 12:25	Bromodichloroacetic acid		0.66		ug/L	0.50
07/23/2019 12:25	Dichloroacetic acid		14		ug/L	0.20
07/23/2019 12:25	Total HAA5		28		ug/L	0.20
07/23/2019 12:25	Total HAA6Br		1.1		ug/L	0.20
07/23/2019 12:25	Total HAA9		29		ug/L	0.20
07/23/2019 12:25	Trichloroacetic acid		14		ug/L	0.50
	201907110638	**11943-SITE6-SW Fairway Drive**				
07/23/2019 13:02	Bromochloroacetic acid		0.47		ug/L	0.30
07/23/2019 13:02	Bromodichloroacetic acid		0.67		ug/L	0.50
07/23/2019 13:02	Dichloroacetic acid		14		ug/L	0.20
07/23/2019 13:02	Total HAA5		28		ug/L	0.20
07/23/2019 13:02	Total HAA6Br		1.1		ug/L	0.20
07/23/2019 13:02	Total HAA9		29		ug/L	0.20
07/23/2019 13:02	Trichloroacetic acid		14		ug/L	0.50
	201907110639	**11942-SITE3-SW Kennedy Street**				
07/23/2019 13:41	Bromochloroacetic acid		0.36		ug/L	0.30
07/23/2019 13:41	Bromodichloroacetic acid		0.57		ug/L	0.50
07/23/2019 13:41	Dichloroacetic acid		11		ug/L	0.20
07/23/2019 13:41	Total HAA5		23		ug/L	0.20
07/23/2019 13:41	Total HAA6Br		0.93		ug/L	0.20
07/23/2019 13:41	Total HAA9		24		ug/L	0.20
07/23/2019 13:41	Trichloroacetic acid		12		ug/L	0.50
	201907110640	**11941-SITE7-SW Poplar Street**				
07/23/2019 14:56	Bromochloroacetic acid		0.47		ug/L	0.30
07/23/2019 14:56	Bromodichloroacetic acid		0.62		ug/L	0.50
07/23/2019 14:56	Dichloroacetic acid		14		ug/L	0.20
07/23/2019 14:56	Total HAA5		28		ug/L	0.20
07/23/2019 14:56	Total HAA6Br		1.1		ug/L	0.20
07/23/2019 14:56	Total HAA9		29		ug/L	0.20
07/23/2019 14:56	Trichloroacetic acid		14		ug/L	0.50

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data

Report: 815398
Project: UCMR4
Group: AM2-DS-OR4100660-West Slope Water District

West Slope Water District
Michael Grimm
31PO Box 25140
Portland, OR 97298

Samples Received on:
07/11/2019 1437

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
11944-SITE1-SW Sylvan Court (201907110637)							**Sampled on 07/10/2019 0918**		
Sample Type: DS									
Sample Event: SEH1									
Facility ID: 11944									
Sample Point ID: SITE1									
PWSID: OR4100660									
EPA 552.3 - UCMR4 552.3									
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Bromochloroacetic acid	0.45	ug/L	0.30	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Bromodichloroacetic acid	0.66	ug/L	0.50	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Chlorodibromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Dibromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Dichloroacetic acid	14	ug/L	0.20	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Monobromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Monochloroacetic acid	ND	ug/L	2.0	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Total HAA5	28	ug/L	0.20	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Total HAA6Br	1.1	ug/L	0.20	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Total HAA9	29	ug/L	0.20	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Tribromoacetic acid	ND	ug/L	2.0	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	Trichloroacetic acid	14	ug/L	0.50	1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	1,2,3-Trichloropropane	104	%		1
07/22/19	07/23/19 12:25	1185596	1185821	(EPA 552.3)	2,3-Dibromopropionic acid	104	%		1
11943-SITE6-SW Fairway Drive (201907110638)							**Sampled on 07/10/2019 0943**		
Sample Type: DS									
Sample Event: SEH1									
Facility ID: 11943									
Sample Point ID: SITE6									
PWSID: OR4100660									
EPA 552.3 - UCMR4 552.3									
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Bromochloroacetic acid	0.47	ug/L	0.30	1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Bromodichloroacetic acid	0.67	ug/L	0.50	1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Chlorodibromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Dibromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Dichloroacetic acid	14	ug/L	0.20	1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Monobromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Monochloroacetic acid	ND	ug/L	2.0	1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Total HAA5	28	ug/L	0.20	1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Total HAA6Br	1.1	ug/L	0.20	1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Total HAA9	29	ug/L	0.20	1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Tribromoacetic acid	ND	ug/L	2.0	1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	Trichloroacetic acid	14	ug/L	0.50	1

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Laboratory Data

Report: 815398
Project: UCMR4
Group: AM2-DS-OR4100660-West Slope Water District

West Slope Water District
Michael Grimm
31PO Box 25140
Portland, OR 97298

Samples Received on:
07/11/2019 1437

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	1,2,3-Trichloropropane	103	%		1
07/22/19	07/23/19 13:02	1185596	1185821	(EPA 552.3)	2,3-Dibromopropionic acid	104	%		1
11942-SITE3-SW Kennedy Street (201907110639)							**Sampled on 07/10/2019 0930**		
Sample Type: DS									
Sample Event: SEH1									
Facility ID: 11942									
Sample Point ID: SITE3									
PWSID: OR4100660									
EPA 552.3 - UCMR4 552.3									
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Bromochloroacetic acid	0.36	ug/L	0.30	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Bromodichloroacetic acid	0.57	ug/L	0.50	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Chlorodibromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Dibromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Dichloroacetic acid	11	ug/L	0.20	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Monobromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Monochloroacetic acid	ND	ug/L	2.0	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Total HAA5	23	ug/L	0.20	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Total HAA6Br	0.93	ug/L	0.20	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Total HAA9	24	ug/L	0.20	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Tribromoacetic acid	ND	ug/L	2.0	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	Trichloroacetic acid	12	ug/L	0.50	1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	1,2,3-Trichloropropane	102	%		1
07/22/19	07/23/19 13:41	1185596	1185821	(EPA 552.3)	2,3-Dibromopropionic acid	103	%		1
11941-SITE7-SW Poplar Street (201907110640)							**Sampled on 07/10/2019 0938**		
Sample Type: DS									
Sample Event: SEH1									
Facility ID: 11941									
Sample Point ID: SITE7									
PWSID: OR4100660									
EPA 552.3 - UCMR4 552.3									
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Bromochloroacetic acid	0.47	ug/L	0.30	1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Bromodichloroacetic acid	0.62	ug/L	0.50	1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Chlorodibromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Dibromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Dichloroacetic acid	14	ug/L	0.20	1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Monobromoacetic acid	ND	ug/L	0.30	1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Monochloroacetic acid	ND	ug/L	2.0	1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Total HAA5	28	ug/L	0.20	1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Total HAA6Br	1.1	ug/L	0.20	1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Total HAA9	29	ug/L	0.20	1

Rounding on totals after summation.
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Laboratory Data

Report: 815398
Project: UCMR4
Group: AM2-DS-OR4100660-West Slope Water District

West Slope Water District
Michael Grimm
31PO Box 25140
Portland, OR 97298

Samples Received on:
07/11/2019 1437

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Tribromoacetic acid	ND	ug/L	2.0	1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	Trichloroacetic acid	14	ug/L	0.50	1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	1,2,3-Trichloropropane	101	%		1
07/22/19	07/23/19 14:56	1185596	1185821	(EPA 552.3)	2,3-Dibromopropionic acid	103	%		1

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Laboratory QC Summary

Report: 815398
Project: UCMR4
Group: AM2-DS-OR4100660-West Slope Water District

West Slope Water District

UCMR4 552.3

Prep Batch: 1185596 **Analytical Batch: 1185821** **Analysis Date: 07/23/2019**

201907110637	11944-SITE1-SW Sylvan Court	Analyzed by: A4H
201907110638	11943-SITE6-SW Fairway Drive	Analyzed by: A4H
201907110639	11942-SITE3-SW Kennedy Street	Analyzed by: A4H
201907110640	11941-SITE7-SW Poplar Street	Analyzed by: A4H

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Laboratory QC

Report: 815398
Project: UCMR4
Group: AM2-DS-OR4100660-West Slope Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
UCMR4 552.3 by EPA 552.3									
Prep Batch: 1185596 Analytical Batch: 1185821							**Analysis Date: 07/23/2019**		
CCCH	1,2,3-Trichloropropane (S)			106	%	106	(50-150)		
CCCM	1,2,3-Trichloropropane (S)			100	%	100	(50-150)		
LCS1	1,2,3-Trichloropropane (S)			99.2	%	99	(50-150)		
MBLK	1,2,3-Trichloropropane (S)			102	%	102	(50-150)		
MRL_CHK	1,2,3-Trichloropropane (S)			99.3	%	99	(50-150)		
MS2_201907110492	1,2,3-Trichloropropane (S)			99.7	%	100	(50-150)		
MSD2_201907110492	1,2,3-Trichloropropane (S)			99.8	%	100	(50-150)		
CCCH	2,3-Dibromopropionic acid (S)			102	%	102	(70-130)		
CCCM	2,3-Dibromopropionic acid (S)			99.0	%	99	(70-130)		
LCS1	2,3-Dibromopropionic acid (S)			102	%	102	(70-130)		
MBLK	2,3-Dibromopropionic acid (S)			98.3	%	98	(70-130)		
MRL_CHK	2,3-Dibromopropionic acid (S)			97.6	%	98	(70-130)		
MS2_201907110492	2,3-Dibromopropionic acid (S)			105	%	105	(50-150)		
MSD2_201907110492	2,3-Dibromopropionic acid (S)			105	%	105	(50-150)		
CCCH	Bromochloroacetic acid		6	5.99	ug/L	100	(70-130)		
CCCM	Bromochloroacetic acid		3	3.09	ug/L	103	(70-130)		
LCS1	Bromochloroacetic acid		3	3.24	ug/L	108	(70-130)		
MBLK	Bromochloroacetic acid			<0.1	ug/L				
MRL_CHK	Bromochloroacetic acid		0.3	0.356	ug/L	119	(50-150)		
MS2_201907110492	Bromochloroacetic acid	2.5	0.3	2.80	ug/L	111	(50-150)		
MSD2_201907110492	Bromochloroacetic acid	2.5	0.3	2.81	ug/L	112	(50-150)	50	0.28
CCCH	Bromodichloroacetic acid		10	10.4	ug/L	104	(70-130)		
CCCM	Bromodichloroacetic acid		5	5.00	ug/L	100	(70-130)		
LCS1	Bromodichloroacetic acid		5	5.03	ug/L	101	(70-130)		
MBLK	Bromodichloroacetic acid			<0.17	ug/L				
MRL_CHK	Bromodichloroacetic acid		0.5	0.679	ug/L	136	(50-150)		
MS2_201907110492	Bromodichloroacetic acid	ND	0.5	0.993	ug/L	105	(50-150)		
MSD2_201907110492	Bromodichloroacetic acid	ND	0.5	0.929	ug/L	93	(50-150)	50	6.6
CCCH	Chlorodibromoacetic acid		6	6.53	ug/L	109	(70-130)		
CCCM	Chlorodibromoacetic acid		3	3.13	ug/L	104	(70-130)		
LCS1	Chlorodibromoacetic acid		3	3.34	ug/L	111	(70-130)		
MBLK	Chlorodibromoacetic acid			<0.1	ug/L				
MRL_CHK	Chlorodibromoacetic acid		0.3	0.391	ug/L	130	(50-150)		
MS2_201907110492	Chlorodibromoacetic acid	ND	0.3	0.647	ug/L	122	(50-150)		
MSD2_201907110492	Chlorodibromoacetic acid	ND	0.3	0.617	ug/L	112	(50-150)	50	4.8

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

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Report: 815398
Project: UCMR4
Group: AM2-DS-OR4100660-West Slope Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
CCCH	Dibromoacetic acid		6	6.28	ug/L	105	(70-130)		
CCCM	Dibromoacetic acid		3	3.32	ug/L	111	(70-130)		
LCS1	Dibromoacetic acid		3	3.23	ug/L	108	(70-130)		
MBLK	Dibromoacetic acid			<0.1	ug/L				
MRL_CHK	Dibromoacetic acid		0.3	0.342	ug/L	114	(50-150)		
MS2_201907110492	Dibromoacetic acid	1.0	0.3	1.37	ug/L	106	(50-150)		
MSD2_201907110492	Dibromoacetic acid	1.0	0.3	1.35	ug/L	101	(50-150)	50	1.3
CCCH	Dichloroacetic acid		4	4.00	ug/L	100	(70-130)		
CCCM	Dichloroacetic acid		2	2.02	ug/L	101	(70-130)		
LCS1	Dichloroacetic acid		2	2.08	ug/L	104	(70-130)		
MBLK	Dichloroacetic acid			<0.067	ug/L				
MRL_CHK	Dichloroacetic acid		0.2	0.232	ug/L	116	(50-150)		
MS2_201907110492	Dichloroacetic acid	4.3	0.2	4.50	ug/L	81	(50-150)		
MSD2_201907110492	Dichloroacetic acid	4.3	0.2	4.55	ug/L	104	(50-150)	50	1.0
CCCH	Monobromoacetic acid		6	6.02	ug/L	100	(70-130)		
CCCM	Monobromoacetic acid		3	3.19	ug/L	106	(70-130)		
LCS1	Monobromoacetic acid		3	3.34	ug/L	111	(70-130)		
MBLK	Monobromoacetic acid			<0.1	ug/L				
MRL_CHK	Monobromoacetic acid		0.3	0.207	ug/L	69	(50-150)		
MS2_201907110492	Monobromoacetic acid	ND	0.3	0.251	ug/L	84	(50-150)		
MSD2_201907110492	Monobromoacetic acid	ND	0.3	0.233	ug/L	78	(50-150)	50	7.5
CCCH	Monochloroacetic acid		40	38.9	ug/L	97	(70-130)		
CCCM	Monochloroacetic acid		20	21.1	ug/L	106	(70-130)		
LCS1	Monochloroacetic acid		20	21.8	ug/L	109	(70-130)		
MBLK	Monochloroacetic acid			<0.67	ug/L				
MRL_CHK	Monochloroacetic acid		2	2.07	ug/L	103	(50-150)		
MS2_201907110492	Monochloroacetic acid	ND	2	3.28	ug/L	139	(50-150)		
MSD2_201907110492	Monochloroacetic acid	ND	2	3.17	ug/L	133	(50-150)	50	3.5
CCCH	Tribromoacetic acid		40	45.5	ug/L	114	(70-130)		
CCCM	Tribromoacetic acid		20	20.8	ug/L	104	(70-130)		
LCS1	Tribromoacetic acid		20	20.8	ug/L	104	(70-130)		
MBLK	Tribromoacetic acid			<0.67	ug/L				
MRL_CHK	Tribromoacetic acid		2	1.37	ug/L	69	(50-150)		
MS2_201907110492	Tribromoacetic acid	ND	2	2.26	ug/L	113	(50-150)		
MSD2_201907110492	Tribromoacetic acid	ND	2	1.78	ug/L	89	(50-150)	50	24
CCCH	Trichloroacetic acid		10	9.97	ug/L	100	(70-130)		
CCCM	Trichloroacetic acid		5	4.98	ug/L	100	(70-130)		
LCS1	Trichloroacetic acid		5	5.66	ug/L	113	(70-130)		

Spike recovery is already corrected for native results.
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RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Trichloroacetic acid			<0.17	ug/L				
MRL_CHK	Trichloroacetic acid		0.5	0.523	ug/L	105	(50-150)		
MS2_201907110492	Trichloroacetic acid	ND	0.5	1.04	ug/L	125	(50-150)		
MSD2_201907110492	Trichloroacetic acid	ND	0.5	0.947	ug/L	106	(50-150)	50	9.8

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
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