

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)

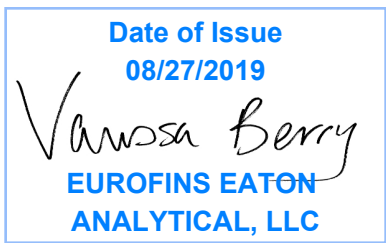


AT-1807

## Laboratory Report

for

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



Utah ELCP CA00006

Report:821787  
Project:UCMR4  
Group:AM3-EP-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

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 <sup>-</sup> D		x	
Sulfite	SM 4500-SO <sup>3</sup> 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: **West Slope Water District**  
31PO Box 25140  
Portland, OR 97298

Attn: Michael Grimm  
Phone: 503-292-2777

Client ID: WESTSLOPE-OR  
Folder #: 821787  
Project: UCMR4  
Sample Group: AM3-EP-OR4100660-West Slope  
Water District  
Project Manager: Vanessa Berry  
Phone: 503-310-3905

The following samples were received from you on **August 15, 2019 at 1426**. 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
201908150793	11940-EP001-Entry Point to Dist. System	08/14/2019 1100
	Sample Type: EP Sample Event: SEC1 Facility ID: 11940 Sample Point ID: EP001 PWSID: OR4100660	
	@UCMR4 544 HOLD	@UCMR4 545
		@UCMR4 546

**Test Description**

- @UCMR4 544 HOLD -- @UCMR4 544 HOLD
- @UCMR4 545 -- UCMR4 545
- @UCMR4 546 -- UCMR4 546



Eaton Analytical

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>

# UCMR4 CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS:

Folder No: 82766

SAMPLES CHECKED AGAINST COC BY: flu

SAMPLES LOGGED IN BY: flu

SAMPLES REC'D DAY OF COLLECTION?

(check for yes)

SAMPLE TEMP RECEIVED Criteria: (recorded in internal COC)  
If the sample(s) received:

- same day receipt as sample collection with evidence of cooling, sample temperature  $\geq 10^{\circ}\text{C}$  is acceptable
- within the first 48 hours of collection time; sample temperature must be  $\leq 10^{\circ}\text{C}$  (except 200.8) and not frozen (except 546), and
- after 48 hours of collection time; sample temperature must be  $\leq 6^{\circ}\text{C}$  (except 200.8) and not frozen (except 546), and valid if refrigerated between collection and shipment documented below as "yes."

PWSID: 0.R. 00660  
Example: (CA1234567)

For PWS and Intermediate Lab Use ONLY:  
Were samples cooled between sample collection and shipment at  $10^{\circ}\text{C}$ , or less, for the first 48 hours and  $6^{\circ}\text{C}$ , 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:

(check for yes)

COMPANY/AGENCY NAME: West Slope Water Dist PROJECT CODE: UCMR4 - Resample?  if YES, please specify which sample event it is for \_\_\_\_\_

EEA CLIENT CODE: \_\_\_\_\_ SAMPLE GROUP: UCMR4 NOTE: we MUST have PWSID#, Facility ID, Sample Point ID, and Sample event # to be able to upload data to EPA Database

TAT requested: rush by adv notice only STD \_\_\_ 1 wk \_\_\_ 3 day \_\_\_ 2 day \_\_\_ 1 day \_\_\_ 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 #	UCMR4 544	UCMR4 545	UCMR4 546	UCMR4 200.8	UCMR4 525.3	UCMR4 530	UCMR4 541	UCMR4 552.3	TOC	Bromide	SAMPLER COMMENTS
8-14-19	11:00		Entry Point												

(1) Sample Event Code: Cyanotoxins -- SEC1 SEC2 SEC3 SEC4 SEC5 SEC6 SEC7 SEC8  
 HAAs -- SEH1 SEH2 SEH3 SEH4  
 Metals, Pesticides, Alcohols, SVOCs -- SEA1 SEA2 SEA3 SEA4

SAMPLED BY: Bart Johnson SIGNATURE: Bart Johnson PRINT NAME: Bart Johnson COMPANY: West Slope Water W.S.W.D. DATE: 8-14-19 TIME: 11:00 A

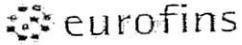
RELINQUISHED BY: Bart Johnson SIGNATURE: Bart Johnson PRINT NAME: Bart Johnson COMPANY: West Slope Water W.S.W.D. DATE: 8-14-19 TIME: 1:30 P

RECEIVED BY: SEER SIGNATURE: SEER PRINT NAME: SEER COMPANY: TAPOR DATE: 8/14/19 TIME: 1300

RELINQUISHED BY: Jessica Morgan SIGNATURE: Jessica Morgan PRINT NAME: Jessica Morgan COMPANY: M.E. DATE: 8/14/19 TIME: 1310

RECEIVED BY: Jessica Morgan SIGNATURE: Jessica Morgan PRINT NAME: Jessica Morgan COMPANY: EEA DATE: 8-15-19 TIME: 1426

QA FO 0103.1 (QA FO-FRM1726) Version 2 (12/28/2017)



Eaton Analytical

# UCMR4 INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 521787

SAMPLES RECEIVED WITHIN 48 HOURS OF COLLECTION TIME?

TYPE OF ICE: Real  Synthetic  No Ice

CONDITION OF ICE: Frozen  Partially Frozen  Thawed  N/A

CONDITION OF SAMPLE: Frozen  Partially Frozen  Not Frozen

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

Compliance Acceptance Criteria:

TRK# **1028 3891 8442**  
0201

If sample(s) received:

- 1) on the same day as the collection day; sample temperature may be  $\geq 10^{\circ}\text{C}$  with evidence of cooling;
- 2) within the first 48 hours of collection time; sample temperature must be  $\leq 10^{\circ}\text{C}$  (except 200.8) and not frozen (except 546), and
- 3) after 48 hours of collection time; sample temperature must be  $\leq 6^{\circ}\text{C}$  (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 determine if a valid sample was received.

Facility ID & Unique Field Sample ID

IR Gun ID = 617A

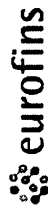
11940-EP001-Entry point to Dist System

Method	Container ID	Observation (°C)	Correction Factor (°C)	Final (°C)
UCMR4 2008	1		+	=
UCMR4 525.3	1		+	=
	2		+	=
	3		+	=
UCMR4 530	1		+	=
	2		+	=
	3		+	=
UCMR4 541	1		+	=
	2		+	=
	3		+	=
UCMR4 552.3	1		+	=
TOC (5310C)	1		+	=
Bromide (300.0)	1		+	=

Method	Container ID	Observation (°C)	Correction Factor (°C)	Final (°C)
UCMR4 544	1	1.5	-0.2	1.3
	2		+	=
	3		+	=
UCMR4 545	1	3.8	-0.2	3.6
UCMR4 546	1	2.7	-0.2	2.5

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
	Paul Mearns	Eurofins Eaton Analytical	8-15-19	1426



Eaton Analytical

Kit Order for West Slope Water District

Vanessa Berry is your Eurofins Eaton Analytical, LLC Service Manager

750 Royal Oaks Drive, Suite 100  
Monrovia, California 91016-3629  
(626) 386-1100 FAX (666) 988-3757



Kit #: 236102

Created By: Vanessa Berry - [ZIA8]

Deliver By: 07/19/2019

STG: Bottle Orders

Ice Type: W

Note: Sampler Please return this paper with your samples

Client ID: WESTSLOPE-OR

Project Code: UCMR4 Bottle Orders

Group Name: AM3-EP-OR4100660-West Slope Water District

PO#/JOB#:

Description: No Schedule

**Ship Sample Kits to**  
West Slope Water District  
3105 SW 89th Avenue  
Portland, OR 97225  
  
Attr: Michael Grimm - Shipping  
Phone: 503-292-2777

**Send Report to**  
West Slope Water District  
31PO Box 25140  
Portland, OR 97298  
  
Attr: Michael Grimm  
Phone: 503-292-2777

**Billing Address**  
West Slope Water District  
31PO Box 25140  
Portland, OR 97298  
  
Attr: Michael Grimm  
Phone: 503-292-2777

# of Sample Tests	Bottle Qty - Type [ preservative information ]	Total	UN DOT #
8 @UCMR4 545	1 - 125ml amber glass [ 12.5 mg AA + 125 mg NaBisulfate ]	8	
8 @UCMR4 546	1 - 125ml amber glass [ 12.5 mg Na Thiosulfate ]	8	
8 @UCMR4 544 HOLD	3 - 250ml amber glass [ 2.13g TZA + 27.5mg AA + 550mg 2-CA + 95mg EDTA ]	24	

**Sum Tests: 24** **Sum Bottles: 40**

Comments

8 coolers - one sample set per cooler  
Label the coolers Sample Event 1, 2, etc through sample Event 8  
  
Include return shipping labels  
UCMR4 sampling instructions and COCs  
Wet ice packing instructions  
  
fill sample containers to the neck of the bottle to allow for proper mixing.

Tel: (626) 386-1100  
Fax: (866) 988-3757  
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**Laboratory Comments****Report:** 821787**Project:** UCMR4**Group:** AM3-EP-OR4100660-West Slope  
Water District

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

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Laboratory Hits

**Report:** 821787  
**Project:** UCMR4  
**Group:** AM3-EP-OR4100660-West Slope  
Water District

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

Samples Received on:  
08/15/2019 1426

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Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
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Laboratory Data

**Report:** 821787  
**Project:** UCMR4  
**Group:** AM3-EP-OR4100660-West Slope Water District

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

Samples Received on:  
 08/15/2019 1426

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<b>11940-EP001-Entry Point to Dist. System (201908150793)</b>						<b>Sampled on 08/14/2019 1100</b>			
Sample Type: EP									
Sample Event: SEC1									
Facility ID: 11940									
Sample Point ID: EP001									
PWSID: OR4100660									
<b>EPA 546 - UCMR4 546</b>									
08/15/19	08/20/19 15:27	1191075	1192016	(EPA 546)	Total Microcystins	ND	ug/L	0.30	1
08/15/19	08/20/19 15:27	1191075	1192016	(EPA 546)	%CV	1.80	%	180	1
<b>EPA 545 - UCMR4 545</b>									
	08/23/19 19:29		1192850	(EPA 545)	Anatoxin-a	ND	ug/L	0.030	1
	08/23/19 19:29		1192850	(EPA 545)	Cylindrospermopsin	ND	ug/L	0.090	1
	08/23/19 19:29		1192850	(EPA 545)	L-Phenylalanine-d5	94	%		1
	08/23/19 19:29		1192850	(EPA 545)	Uracil-d4	115	%		1
<b>EPA 544 - @UCMR4 544 HOLD</b>									
	08/20/19 15:27		1192019	(EPA 544)	Prep Information	NA	ug/L		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.

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**Report:** 821787  
**Project:** UCMR4  
**Group:** AM3-EP-OR4100660-West Slope  
Water District

West Slope Water District

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**UCMR4 546****Prep Batch: 1191075 Analytical Batch: 1192016**

201908150793 11940-EP001-Entry Point to Dist. System

**Analysis Date: 08/20/2019**

Analyzed by: R77L

**@UCMR4 544 HOLD****Analytical Batch: 1192019**

201908150793 11940-EP001-Entry Point to Dist. System

**Analysis Date: 08/20/2019**

Analyzed by: R77L

**UCMR4 545****Analytical Batch: 1192850**

201908150793 11940-EP001-Entry Point to Dist. System

**Analysis Date: 08/23/2019**

Analyzed by: SZZ

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Report: 821787  
 Project: UCMR4  
 Group: AM3-EP-OR4100660-West Slope Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
<b>UCMR4 546 by EPA 546</b>									
<b>Analytical Batch: 1192016</b>					<b>Analysis Date: 08/20/2019</b>				
LCS1	%CV			0.500	%				
LCS2	%CV			ND	%				
MBLK	%CV			<15	%				
MBLK	%CV			<15	%				
MRL_CHK	%CV			ND	%				
MS2_201908140579	%CV	0.500		ND		15			
MS2_201908150809	%CV	0.400		ND		15			
MSD2_201908140579	%CV	0.500		ND		15			
MSD2_201908150809	%CV	0.400		ND		15			
LCS1	Total Microcystins		0.5	0.380	ug/L	76	(60-140)		
LCS2	Total Microcystins		0.5	0.409	ug/L	82	(60-140)		
MBLK	Total Microcystins			<0.15	ug/L				
MBLK	Total Microcystins			<0.15	ug/L				
MRL_CHK	Total Microcystins		0.3	0.263	ug/L	88	(50-150)		
MS2_201908140579	Total Microcystins	ND	0.5	0.429	ug/L	72	(60-140)		
MS2_201908150809	Total Microcystins	ND	0.5	0.354	ug/L	71	(60-140)		
MSD2_201908140579	Total Microcystins	ND	0.5	0.308	ug/L	<u>48</u>	(60-140)	40	33
MSD2_201908150809	Total Microcystins	ND	0.5	0.431	ug/L	86	(60-140)	40	20
<b>UCMR4 545 by EPA 545</b>									
<b>Analytical Batch: 1192850</b>					<b>Analysis Date: 08/23/2019</b>				
CCCH	Anatoxin-a		1	1.03	ug/L	103	(70-130)		
CCCL	Anatoxin-a		0.03	0.0270	ug/L	90	(50-150)		
CCCM	Anatoxin-a		0.3	0.354	ug/L	118	(70-130)		
MBLK	Anatoxin-a			<0.010	ug/L				
MRL_CHK	Anatoxin-a		0.03	0.0270	ug/L	90	(50-150)		
MS1_201908150693	Anatoxin-a	ND	0.3	0.375	ug/L	125	(70-130)		
MSD1_201908150693	Anatoxin-a	ND	0.3	0.381	ug/L	127	(70-130)	30	1.6
CCCH	Cylindrospermopsin		3	3.01	ug/L	100	(70-130)		
CCCL	Cylindrospermopsin		0.09	0.0780	ug/L	87	(50-150)		
CCCM	Cylindrospermopsin		0.9	0.922	ug/L	102	(70-130)		
MBLK	Cylindrospermopsin			<0.030	ug/L				
MRL_CHK	Cylindrospermopsin		0.09	0.0780	ug/L	87	(50-150)		
MS1_201908150693	Cylindrospermopsin	ND	0.9	0.909	ug/L	101	(70-130)		
MSD1_201908150693	Cylindrospermopsin	ND	0.9	0.842	ug/L	94	(70-130)	30	7.7
CCCH	L-Phenylalanine-d5 (S)		100	89.6	%	90	(50-150)		

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

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**Report:** 821787  
**Project:** UCMR4  
**Group:** AM3-EP-OR4100660-West Slope  
 Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
CCCL	L-Phenylalanine-d5 (S)		100	97.9	%	98	(50-150)		
CCCM	L-Phenylalanine-d5 (S)		100	90.5	%	90	(50-150)		
MBLK	L-Phenylalanine-d5 (S)			97.2	%	97	(50-150)		
MRL_CHK	L-Phenylalanine-d5 (S)		100	97.9	%	98	(50-150)		
MS1_201908150693	L-Phenylalanine-d5 (S)		100	95.3	%	95	(50-150)		
MSD1_201908150693	L-Phenylalanine-d5 (S)		100	96.8	%	97	(50-150)		
CCCH	Uracil-d4 (S)		100	104	%	104	(50-150)		
CCCL	Uracil-d4 (S)		100	102	%	102	(50-150)		
CCCM	Uracil-d4 (S)		100	99.2	%	99	(50-150)		
MBLK	Uracil-d4 (S)			105	%	105	(50-150)		
MRL_CHK	Uracil-d4 (S)		100	102	%	102	(50-150)		
MS1_201908150693	Uracil-d4 (S)		100	101	%	101	(50-150)		
MSD1_201908150693	Uracil-d4 (S)		100	105	%	105	(50-150)		

Spike recovery is already corrected for native results.

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(S) - Indicates surrogate compound.

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