

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)

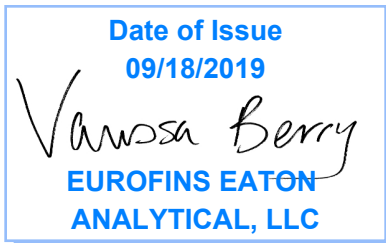


AT-1807

## Laboratory Report

for

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



UTAH ELCP CA00006

Report:824420  
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 #: 824420  
 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 29, 2019 at 1233**. 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
201908290254	11940-EP001-Entry Point to Dist. System	08/28/2019 0945
	Sample Type: EP Sample Event: SEA2 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:

Folder No:

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY: ant

SAMPLES LOGGED IN BY: ant

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  $\geq 10^{\circ}\text{C}$  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: 01 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 "y" the box next to yes below. No documentation of cooling of 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 P.S?

PROJECT CODE: UCMR 4

SAMPLE GROUP: UCMR 4

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

- Resample?

if YES, please specify which sample event it is for \_\_\_\_\_

EEA CLIENT CODE: 8-28-19 9:45A Entry Point

TAT requested: rush by adv notice only

STD  1 wk  3 day  2 day  1 day

SAMPLE DATE	SAMPLE TIME	FACILITY ID (per EPA Requirement) - 5 characters Max	SAMPLE POINT ID (per EPA Requirement) - 20 characters max	SAMPLE EVENT #	list ANALYSES REQUIRED (Mark the number of containers in all test required for each sample line)						SAMPLER COMMENTS												
					UCMR4 544	UCMR4 545	UCMR4 546	UCMR4 200.8	UCMR4 525.3	UCMR4 530		UCMR4 541	UCMR4 552.3	TOC	Bromide								

(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: <u>Bart Johnson</u>	<u>Bart Johnson</u>	<u>WEST Slope water Dist</u>	<u>8-28-19</u>	<u>9:45 A</u>
RELINQUISHED BY: <u>Bart Johnson</u>	<u>Bart Johnson</u>	<u>Test America</u>	<u>8/28/19</u>	<u>10:45 A</u>
RECEIVED BY: <u>Jessica Morgan</u>	<u>Jessica Morgan</u>	<u>M.E.</u>	<u>8/28/19</u>	<u>1310</u>
RELINQUISHED BY: <u>Jessica Morgan</u>	<u>Jessica Morgan</u>	<u>FEA</u>	<u>8-29-19</u>	<u>1233</u>
RECEIVED BY: <u>Paul Phillips</u>	<u>Paul Phillips</u>			

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

PAGE \_\_\_\_ OF \_\_\_\_



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 (866) 988-3757

**Note: Sampler Please return this paper with your samples**



Kit #: 236-102

Client ID: WESTSLOPE-OR

Created By: Vanessa Berry - [ZIA8]  
Deliver By: 07/19/2019  
STG: Bottle Orders  
Ice Type: W

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  
Attn: Michael Grimm - Shipping  
Phone: 503-292-2777

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

Billing Address  
West Slope Water District  
31PO Box 25140  
Portland, OR 97298  
Attn: 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

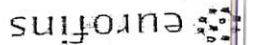
8 coolers - one sample set per cooler  
Label the coolers Sample Event 1, 2, etc through sample Event 8

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.

UCMR4 INTERNAL CHAIN OF CUSTODY RECORD

Eaton Analytical



EPA Forder Number: 824420

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 Fedex

Compliance Acceptance Criteria:  If sample(s) received:

1) on the same day as the collection day, sample temperature may be  $\pm 10^{\circ}\text{C}$  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 545), and not rejected if refrigerated between collection and shipment documented on UCMR4 COC as "yes."

Note: A minimum of 2 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 collection and shipment documented on UCMR4 COC as "yes."

Facility ID & Unique Field Sample ID: 617A  
IR Gun ID = 617A

Method	Correction Factor (%)	Observation	Correction Factor (%)	Real (%)
UCMR4 2008	1	+	1.2	0.2 = 1.0
UCMR4 525.3	1	+	2	=
UCMR4 530	3	+	0.9	0.2 = 0.7
UCMR4 544	1	+	1.3	0.2 = 1.1
UCMR4 545	1	+	0.9	0.2 = 0.7
UCMR4 546	1	+	1.3	0.2 = 1.1

Method	Correction Factor (%)	Observation	Correction Factor (%)	Real (%)
UCMR4 2008	1	+	1.2	0.2 = 1.0
UCMR4 525.3	1	+	2	=
UCMR4 530	3	+	0.9	0.2 = 0.7
UCMR4 544	1	+	1.3	0.2 = 1.1
UCMR4 545	1	+	0.9	0.2 = 0.7
UCMR4 546	1	+	1.3	0.2 = 1.1

PROJECT NAME: Power Mills  
 DATE: 8-29-19  
 TIME: 1233  
 EUROFINS Eaton Analytical

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

**Laboratory Comments**

**Report:** 824420  
**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:** 824420  
**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:  
08/29/2019 1233

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Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
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Laboratory Data

**Report:** 824420  
**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:  
 08/29/2019 1233

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<b>11940-EP001-Entry Point to Dist. System (201908290254)</b>						<b>Sampled on 08/28/2019 0945</b>			
Sample Type: EP									
Sample Event: SEA2									
Facility ID: 11940									
Sample Point ID: EP001									
PWSID: OR4100660									
<b>EPA 546 - UCMR4 546</b>									
08/29/19	09/03/19 13:12	1194087	1194549	(EPA 546)	Total Microcystins	ND	ug/L	0.30	1
08/29/19	09/03/19 13:12	1194087	1194549	(EPA 546)	%CV	4.70	%	470	1
<b>EPA 545 - UCMR4 545</b>									
	09/13/19 16:02		1196906	(EPA 545)	Anatoxin-a	ND	ug/L	0.030	1
	09/13/19 16:02		1196906	(EPA 545)	Cylindrospermopsin	ND	ug/L	0.090	1
	09/13/19 16:02		1196906	(EPA 545)	L-Phenylalanine-d5	103	%		1
	09/13/19 16:02		1196906	(EPA 545)	Uracil-d4	106	%		1
<b>EPA 544 - @UCMR4 544 HOLD</b>									
	09/03/19 13:12		1194605	(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:** 824420  
**Project:** UCMR4  
**Group:** AM3-EP-OR4100660-West Slope  
Water District

West Slope Water District

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**UCMR4 546**

**Prep Batch: 1194087 Analytical Batch: 1194549**

201908290254 11940-EP001-Entry Point to Dist. System

**Analysis Date: 09/03/2019**

Analyzed by: R77L

**@UCMR4 544 HOLD**

**Analytical Batch: 1194605**

201908290254 11940-EP001-Entry Point to Dist. System

**Analysis Date: 09/03/2019**

Analyzed by: R77L

**UCMR4 545**

**Analytical Batch: 1196906**

201908290254 11940-EP001-Entry Point to Dist. System

**Analysis Date: 09/13/2019**

Analyzed by: SZZ

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

Report: 824420  
 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: 1194549</b>					<b>Analysis Date: 09/03/2019</b>				
LCS1	%CV			1.50	%				
LCS2	%CV			ND	%				
MBLK	%CV			<15	%				
MBLK	%CV			<15	%				
MRL_CHK	%CV			ND	%				
MS2_201908220492	%CV	5.20		ND		15			
MSD2_201908220492	%CV	5.20		ND		15			
LCS1	Total Microcystins		0.5	0.394	ug/L	79	(60-140)		
LCS2	Total Microcystins		0.5	0.477	ug/L	95	(60-140)		
MBLK	Total Microcystins			<0.15	ug/L				
MBLK	Total Microcystins			<0.15	ug/L				
MRL_CHK	Total Microcystins		0.3	0.219	ug/L	73	(50-150)		
MS2_201908220492	Total Microcystins	ND	0.5	0.322	ug/L	<u>56</u>	(60-140)		
MSD2_201908220492	Total Microcystins	ND	0.5	0.220	ug/L	<u>36</u>	(60-140)	40	38
<b>UCMR4 545 by EPA 545</b>									
<b>Analytical Batch: 1196906</b>					<b>Analysis Date: 09/13/2019</b>				
CCCH	Anatoxin-a		1	0.769	ug/L	77	(70-130)		
CCCL	Anatoxin-a		0.03	0.0300	ug/L	100	(50-150)		
CCCM	Anatoxin-a		0.3	0.262	ug/L	87	(70-130)		
MBLK	Anatoxin-a			<0.010	ug/L				
MRL_CHK	Anatoxin-a		0.03	0.0300	ug/L	100	(50-150)		
MS_201908280322	Anatoxin-a	ND	0.03	0.0430	ug/L	143	(50-150)		
MSD_201908280322	Anatoxin-a	ND	0.03	0.0430	ug/L	143	(50-150)	50	0.0
CCCH	Cylindrospermopsin		3	2.71	ug/L	90	(70-130)		
CCCL	Cylindrospermopsin		0.09	0.0840	ug/L	93	(50-150)		
CCCM	Cylindrospermopsin		0.9	0.965	ug/L	107	(70-130)		
MBLK	Cylindrospermopsin			<0.030	ug/L				
MRL_CHK	Cylindrospermopsin		0.09	0.0840	ug/L	93	(50-150)		
MS_201908280322	Cylindrospermopsin	ND	0.09	0.118	ug/L	131	(50-150)		
MSD_201908280322	Cylindrospermopsin	ND	0.09	0.104	ug/L	116	(50-150)	50	13
CCCH	L-Phenylalanine-d5 (S)		100	111	%	111	(50-150)		
CCCL	L-Phenylalanine-d5 (S)		100	103	%	103	(50-150)		
CCCM	L-Phenylalanine-d5 (S)		100	107	%	107	(50-150)		
MBLK	L-Phenylalanine-d5 (S)			104	%	104	(50-150)		
MRL_CHK	L-Phenylalanine-d5 (S)		100	103	%	103	(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:** 824420  
**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%
MS_201908280322	L-Phenylalanine-d5 (S)		100	103	%	103	(50-150)		
MSD_201908280322	L-Phenylalanine-d5 (S)		100	105	%	105	(50-150)		
CCCH	Uracil-d4 (S)		100	122	%	122	(50-150)		
CCCL	Uracil-d4 (S)		100	104	%	105	(50-150)		
CCCM	Uracil-d4 (S)		100	106	%	106	(50-150)		
MBLK	Uracil-d4 (S)			97.7	%	98	(50-150)		
MRL_CHK	Uracil-d4 (S)		100	104	%	105	(50-150)		
MS_201908280322	Uracil-d4 (S)		100	99.3	%	99	(50-150)		
MSD_201908280322	Uracil-d4 (S)		100	99.8	%	100	(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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