

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)

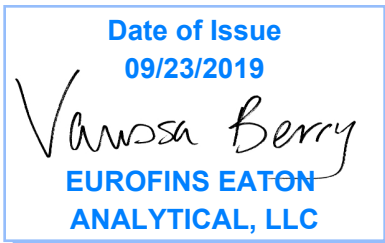


AT-1807

Laboratory Report

for

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



Report:826986
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 Pseudalart (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-S ⁻ D		x	
Sulfite	SM 4500-SO ³ B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Triazine Pesticides & Degradates	In House (3617)	x		x
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x
Field Sampling	N/A			

Acknowledgement of Samples Received

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

Attn: Michael Grimm
Phone: 503-292-2777

Client ID: WESTSLOPE-OR
Folder #: 826986
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 **September 12, 2019** at **1458**. 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
201909120455	11940-EP001-Entry Point to Dist. System	09/11/2019 1030
	Sample Type: EP Sample Event: SEC3 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.eurolfins.com/Eaton>

UCMR4 CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY:

Folder No: 824984

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY: [Signature]

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."

SAMPLES LOGGED IN BY: [Signature]
SAMPLES REC'D DAY OF COLLECTION? (check for yes)

PWSID: Dr. 00660
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: <u>West Slope water Dist</u>		PROJECT CODE: <u>UCMR 4</u>		(check for yes) - Resample? <input type="checkbox"/> if YES, please specify which sample event it is for _____	
EEA CLIENT CODE:		SAMPLE GROUP:		NOTE: we MUST have PWSID#, Facility ID, Sample Point ID, and Sample event # to be able to upload data to EPA Database (check for yes), OR	
TAT requested: rush by adv notice only		STD <input type="checkbox"/> 1 wk <input type="checkbox"/> 3 day <input type="checkbox"/> 2 day <input type="checkbox"/> 1 day <input type="checkbox"/>		SEE ATTACHED BOTTLE ORDER FOR ANALYSES	
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)
9-11-19	10:30	Entry Point			UCMR4 544
					UCMR4 545
					UCMR4 546
					UCMR4 200.8
					UCMR4 525.3
					UCMR4 530
					UCMR4 541
					UCMR4 552.3
					TOC
					Bromide
					SAMPLER COMMENTS

(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	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	Bart Johnson	West Slope water Dist	9-11-19	10:30 A
[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	Bart Johnson		9-11-19	11:05
[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	A Antonson		9/11/19	11:05
[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	Jessica Morgan	M-E.	9/11/19	12:20
[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	Fidel Chavez	EEA	9-12-19	14:58



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

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

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	8	
8	@UCMR4 546	8	
8	@UCMR4 544 HOLD	24	
1 - 125ml amber glass [12.5 mg AA + 125 mg NaBisulfate]		8	
1 - 125ml amber glass [12.5 mg Na Thiosulfate]		8	
3 - 250ml amber glass [2.13g TZA + 27.5mg AA + 550mg 2-CA + 95mg EDTA]		24	

Sum Tests: 24

Sum Bottles: 40

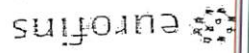
Comments

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.

Code Status Date Shipped Via Tracking # # of Coolers Prepared By



Eaton Analytical

UCMR4 INTERNAL CHAIN OF CUSTODY RECORD

SEA Folder Number: 824986

SAMPLES RECEIVED WITHIN 48 HOURS OF COLLECTION TIME?

TYPE OF ICE: Real Synthetic No Ice

CONDITION OFFICE: 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: _____

If sample(s) received: _____

- 1) on the same day as the collection day, sample temperature may be 210°C with evidence of cooling.
- 2) within the first 48 hours of collection time, sample temperature must be 510°C (except 200.8) and not frozen (except 545), and
- 3) after 48 hours of collection time, sample temperature must be ≤ 6°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 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.

11942

Facility ID & Unique Field Sample ID: Ch91

Method	Container ID	Observation	Current Factor (C)	Partial Factor (C)	Final (C)
UCMR4 544	1		3.5	0.3	3.2
	2				
	3				
UCMR4 545	1		47	0.5	44
UCMR4 545	1		48	0.3	45

Method	Container ID	Observation	Current Factor (C)	Partial 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 (531b)	1				
Biomide (300d)	1				

Method to complete this questionnaire: List the State/Province/Country, lot the Sample ID, SEA# will determine whether to proceed with receipt of MTA.

SEA#: _____

PROJECT NAME: Federal Charge

DATE: 9-12-15

TIME: 14:53

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

Laboratory Comments

Report: 826986
Project: UCMR4
Group: AM3-EP-OR4100660-West Slope
Water District

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

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

Laboratory Hits

Report: 826986
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:
09/12/2019 1458

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
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Tel: (626) 386-1100
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Laboratory Data

Report: 826986
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:
 09/12/2019 1458

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
11940-EP001-Entry Point to Dist. System (201909120455)						Sampled on 09/11/2019 1030			
Sample Type: EP									
Sample Event: SEC3									
Facility ID: 11940									
Sample Point ID: EP001									
PWSID: OR4100660									
EPA 546 - UCMR4 546									
09/12/19	09/20/19 11:36	1196776	1198448	(EPA 546)	Total Microcystins	ND	ug/L	0.30	1
09/12/19	09/20/19 11:36	1196776	1198448	(EPA 546)	%CV	0.900	%	90.0	1
EPA 545 - UCMR4 545									
09/17/19	09/18/19 9:53	1197575	1197861	(EPA 545)	Anatoxin-a	ND	ug/L	0.030	1
09/17/19	09/18/19 9:53	1197575	1197861	(EPA 545)	Cylindrospermopsin	ND	ug/L	0.090	1
09/17/19	09/18/19 9:53	1197575	1197861	(EPA 545)	L-Phenylalanine-d5	100	%		1
09/17/19	09/18/19 9:53	1197575	1197861	(EPA 545)	Uracil-d4	109	%		1
EPA 544 - @UCMR4 544 HOLD									
	09/20/19 11:36		1198450	(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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Laboratory QC Summary

Report: 826986
Project: UCMR4
Group: AM3-EP-OR4100660-West Slope
Water District

West Slope Water District

UCMR4 545

Prep Batch: 1197575 Analytical Batch: 1197861

201909120455 11940-EP001-Entry Point to Dist. System

Analysis Date: 09/18/2019

Analyzed by: SZZ

UCMR4 546

Prep Batch: 1196776 Analytical Batch: 1198448

201909120455 11940-EP001-Entry Point to Dist. System

Analysis Date: 09/20/2019

Analyzed by: R77L

@UCMR4 544 HOLD

Analytical Batch: 1198450

201909120455 11940-EP001-Entry Point to Dist. System

Analysis Date: 09/20/2019

Analyzed by: R77L

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Report: 826986
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 Group: AM3-EP-OR4100660-West Slope
 Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
UCMR4 545 by EPA 545									
Analytical Batch: 1197861					Analysis Date: 09/18/2019				
CCCH	Anatoxin-a		1	0.815	ug/L	82	(70-130)		
CCCL	Anatoxin-a		0.03	0.0320	ug/L	107	(50-150)		
CCCM	Anatoxin-a		0.3	0.221	ug/L	74	(70-130)		
MBLK	Anatoxin-a			<0.010	ug/L				
MRL_CHK	Anatoxin-a		0.03	0.0320	ug/L	107	(50-150)		
MS1_201909120428	Anatoxin-a	ND	0.3	0.321	ug/L	107	(70-130)		
MSD1_201909120428	Anatoxin-a	ND	0.3	0.365	ug/L	122	(70-130)	30	13
CCCH	Cylindrospermopsin		3	2.43	ug/L	81	(70-130)		
CCCL	Cylindrospermopsin		0.09	0.103	ug/L	114	(50-150)		
CCCM	Cylindrospermopsin		0.9	0.774	ug/L	86	(70-130)		
MBLK	Cylindrospermopsin			<0.030	ug/L				
MRL_CHK	Cylindrospermopsin		0.09	0.103	ug/L	114	(50-150)		
MS1_201909120428	Cylindrospermopsin	ND	0.9	0.831	ug/L	90	(70-130)		
MSD1_201909120428	Cylindrospermopsin	ND	0.9	0.925	ug/L	100	(70-130)	30	11
CCCH	L-Phenylalanine-d5 (S)		100	97.7	%	98	(50-150)		
CCCL	L-Phenylalanine-d5 (S)		100	89.0	%	89	(50-150)		
CCCM	L-Phenylalanine-d5 (S)		100	107	%	107	(50-150)		
MBLK	L-Phenylalanine-d5 (S)			94.3	%	94	(50-150)		
MRL_CHK	L-Phenylalanine-d5 (S)		100	89.0	%	89	(50-150)		
MS1_201909120428	L-Phenylalanine-d5 (S)		100	106	%	106	(50-150)		
MSD1_201909120428	L-Phenylalanine-d5 (S)		100	96.7	%	97	(50-150)		
CCCH	Uracil-d4 (S)		100	138	%	138	(50-150)		
CCCL	Uracil-d4 (S)		100	94.5	%	95	(50-150)		
CCCM	Uracil-d4 (S)		100	122	%	122	(50-150)		
MBLK	Uracil-d4 (S)			95.8	%	96	(50-150)		
MRL_CHK	Uracil-d4 (S)		100	94.5	%	95	(50-150)		
MS1_201909120428	Uracil-d4 (S)		100	106	%	106	(50-150)		
MSD1_201909120428	Uracil-d4 (S)		100	94.7	%	95	(50-150)		

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Analytical Batch: 1198448

Analysis Date: 09/20/2019

LCS1	%CV			1.50	%				
LCS2	%CV			ND	%				
MBLK	%CV			<15	%				
MBLK	%CV			<15	%				
MRL_CHK	%CV			ND	%				

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: 826986
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%
MS2_201909120644	%CV	11.2		ND		15			
MSD2_201909120644	%CV	11.2		ND		15			
LCS1	Total Microcystins		0.5	0.438	ug/L	88	(60-140)		
LCS2	Total Microcystins		0.5	0.457	ug/L	91	(60-140)		
MBLK	Total Microcystins			<0.15	ug/L				
MBLK	Total Microcystins			<0.15	ug/L				
MRL_CHK	Total Microcystins		0.3	0.258	ug/L	86	(50-150)		
MS2_201909120644	Total Microcystins	ND	0.5	0.291	ug/L	<u>31</u>	(60-140)		
MSD2_201909120644	Total Microcystins	ND	0.5	0.318	ug/L	<u>37</u>	(60-140)	40	8.9

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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