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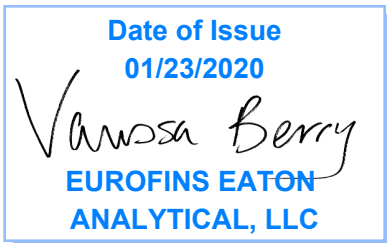


AT-1807

## Laboratory Report

for

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



UTAH ELCP CA00006

ZIA8: Vanessa Berry  
Project Manager

Report:847885  
Project:UCMR4  
Group:AM2-DS-OR4100660-West Slope Water District

\* 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 #: 847885  
 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 **January 08, 2020 at 1518**. 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
<u>202001080401</u>	11944-SITE1-SW Sylvan Court Sample Type: DS Sample Event: SEH3 Facility ID: 11944 Sample Point ID: SITE1 PWSID: OR4100660 @UCMR4 552.3	01/07/2020 1300
<u>202001080402</u>	11943-SITE6-SW Fairway Drive Sample Type: DS Sample Event: SEH3 Facility ID: 11943 Sample Point ID: SITE6 PWSID: OR4100660 @UCMR4 552.3	01/07/2020 1300
<u>202001080403</u>	11942-SITE3-SW Kennedy Street Sample Type: DS Sample Event: SEH3 Facility ID: 11942 Sample Point ID: SITE3 PWSID: OR4100660 @UCMR4 552.3	01/07/2020 1300
<u>202001080404</u>	11941-SITE7-SW Poplar Street Sample Type: DS Sample Event: SEH3 Facility ID: 11941 Sample Point ID: SITE7 PWSID: OR4100660 @UCMR4 552.3	01/07/2020 1300

### Test Description

@UCMR4 552.3 -- UCMR4 552.3



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:

SAMPLE COMMENTS: Folder No: 847588

SAMPLES CHECKED AGAINST COC BY: CB

SAMPLES LOGGED IN BY: CB

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: 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 "✓" 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: UCMR4

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  
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	STD ____ 1 wk ____ 3 day ____ 2 day ____ 1 day ____						SAMPLE EVENT #	SAMPLER COMMENTS										
				UCMR4 544	UCMR4 545	UCMR4 546	UCMR4 200.8	UCMR4 525.3	UCMR4 530			UCMR4 541	UCMR4 552.3								
1-7-20	1:00p		Entry Point				1	3	3												
			Sylvan Ct.																		
			Fairway DR.																		
			Kennedy ST.																		
			Poplar Ln.																		

(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

SIGNED BY	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
SIGNED BY: <u>Bart Johnson</u>		Bart Johnson	West Slope Water Dist.	1-7-20	1:00 P
RELINQUISHED BY:					
RECEIVED BY: <u>Vanessa Berry</u>		Vanessa Berry		1-7-20	13:45
RELINQUISHED BY: <u>Vanessa Berry</u>		Vanessa Berry		1-7-20	14:00
RECEIVED BY: <u>Bart Johnson</u>		Bart Johnson		1-8-20	15:18

# UCMR4 INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 847585

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: 141005903064  
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 11940-EP001  
IR Gun ID = 616F

Method	Container ID	Observation (°C)	Correction Factor (°C)	Final (°C)
UCMR4 2008	1	2.8	+ -0.3	= 2.5
UCMR4 525.3	1	3.8	+ -0.3	= 3.5
	2		+	=
	3		+	=
UCMR4 530	1	3.7	+ -0.3	= 3.4
	2		+	=
	3		+	=
UCMR4 541	1	4.0	+ -0.3	= 3.7
	2		+	=
	3		+	=
UCMR4 552.3	1	3.4	+ -0.3	= 3.1
TCC (53180)	1		+	=
Bromide (300.0)	1		+	=

11944-SITE 1

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

SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
<u>Chuck Brooks</u>	Chuck Brooks	Eurofins Eaton Analytical	11.8.20	1518

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

**Laboratory Comments****Report:** 847885**Project:** UCMR4**Group:** AM2-DS-OR4100660-West Slope  
Water District

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

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 Water District

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

Samples Received on:  
 01/08/2020 1518

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
<b>202001080401      <u>11944-SITE1-SW Sylvan Court</u></b>						
01/16/2020 14:34	Bromochloroacetic acid		0.46		ug/L	0.30
01/16/2020 14:34	Dichloroacetic acid		16		ug/L	0.20
01/16/2020 14:34	Monochloroacetic acid		2.1		ug/L	2.0
01/16/2020 14:34	Total HAA5		34		ug/L	0.20
01/16/2020 14:34	Total HAA6Br		0.46		ug/L	0.20
01/16/2020 14:34	Total HAA9		34		ug/L	0.20
01/16/2020 14:34	Trichloroacetic acid		16		ug/L	0.50
<b>202001080402      <u>11943-SITE6-SW Fairway Drive</u></b>						
01/16/2020 15:11	Bromochloroacetic acid		0.47		ug/L	0.30
01/16/2020 15:11	Dichloroacetic acid		17		ug/L	0.20
01/16/2020 15:11	Monochloroacetic acid		2.1		ug/L	2.0
01/16/2020 15:11	Total HAA5		36		ug/L	0.20
01/16/2020 15:11	Total HAA6Br		0.47		ug/L	0.20
01/16/2020 15:11	Total HAA9		36		ug/L	0.20
01/16/2020 15:11	Trichloroacetic acid		17		ug/L	0.50
<b>202001080403      <u>11942-SITE3-SW Kennedy Street</u></b>						
01/16/2020 15:49	Bromochloroacetic acid		0.42		ug/L	0.30
01/16/2020 15:49	Dichloroacetic acid		12		ug/L	0.20
01/16/2020 15:49	Total HAA5		27		ug/L	0.20
01/16/2020 15:49	Total HAA6Br		0.42		ug/L	0.20
01/16/2020 15:49	Total HAA9		27		ug/L	0.20
01/16/2020 15:49	Trichloroacetic acid		15		ug/L	0.50
<b>202001080404      <u>11941-SITE7-SW Poplar Street</u></b>						
01/16/2020 16:26	Bromochloroacetic acid		0.41		ug/L	0.30
01/16/2020 16:26	Dichloroacetic acid		12		ug/L	0.20
01/16/2020 16:26	Total HAA5		28		ug/L	0.20
01/16/2020 16:26	Total HAA6Br		0.41		ug/L	0.20
01/16/2020 16:26	Total HAA9		28		ug/L	0.20
01/16/2020 16:26	Trichloroacetic acid		16		ug/L	0.50



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**Report:** 847885  
**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:  
 01/08/2020 1518

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<b>11944-SITE1-SW Sylvan Court (202001080401)</b>						<b>Sampled on 01/07/2020 1300</b>			
Sample Type: DS									
Sample Event: SEH3									
Facility ID: 11944									
Sample Point ID: SITE1									
PWSID: OR4100660									
<b>EPA 552.3 - UCMR4 552.3</b>									
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Bromochloroacetic acid	0.46	ug/L	0.30	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Bromodichloroacetic acid	ND	ug/L	0.50	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Chlorodibromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Dibromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Dichloroacetic acid	16	ug/L	0.20	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Monobromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Monochloroacetic acid	2.1	ug/L	2.0	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Total HAA5	34	ug/L	0.20	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Total HAA6Br	0.46	ug/L	0.20	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Total HAA9	34	ug/L	0.20	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Tribromoacetic acid	ND	ug/L	2.0	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	Trichloroacetic acid	16	ug/L	0.50	1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	1,2,3-Trichloropropane	102	%		1
01/11/20	01/16/20 14:34	1220643	1221517	(EPA 552.3)	2,3-Dibromopropionic acid	101	%		1
<b>11943-SITE6-SW Fairway Drive (202001080402)</b>						<b>Sampled on 01/07/2020 1300</b>			
Sample Type: DS									
Sample Event: SEH3									
Facility ID: 11943									
Sample Point ID: SITE6									
PWSID: OR4100660									
<b>EPA 552.3 - UCMR4 552.3</b>									
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Bromochloroacetic acid	0.47	ug/L	0.30	1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Bromodichloroacetic acid	ND	ug/L	0.50	1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Chlorodibromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Dibromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Dichloroacetic acid	17	ug/L	0.20	1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Monobromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Monochloroacetic acid	2.1	ug/L	2.0	1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Total HAA5	36	ug/L	0.20	1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Total HAA6Br	0.47	ug/L	0.20	1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Total HAA9	36	ug/L	0.20	1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Tribromoacetic acid	ND	ug/L	2.0	1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	Trichloroacetic acid	17	ug/L	0.50	1

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 1 800 566 LABS (1 800 566 5227)

**Report:** 847885  
**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:  
 01/08/2020 1518

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	1,2,3-Trichloropropane	102	%		1
01/11/20	01/16/20 15:11	1220643	1221517	(EPA 552.3)	2,3-Dibromopropionic acid	103	%		1

**11942-SITE3-SW Kennedy Street (202001080403)**

**Sampled on 01/07/2020 1300**

Sample Type: DS  
 Sample Event: SEH3  
 Facility ID: 11942  
 Sample Point ID: SITE3  
 PWSID: OR4100660

**EPA 552.3 - UCMR4 552.3**

01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Bromochloroacetic acid	0.42	ug/L	0.30	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Bromodichloroacetic acid	ND	ug/L	0.50	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Chlorodibromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Dibromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Dichloroacetic acid	12	ug/L	0.20	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Monobromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Monochloroacetic acid	ND	ug/L	2.0	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Total HAA5	27	ug/L	0.20	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Total HAA6Br	0.42	ug/L	0.20	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Total HAA9	27	ug/L	0.20	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Tribromoacetic acid	ND	ug/L	2.0	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	Trichloroacetic acid	15	ug/L	0.50	1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	1,2,3-Trichloropropane	102	%		1
01/11/20	01/16/20 15:49	1220643	1221517	(EPA 552.3)	2,3-Dibromopropionic acid	104	%		1

**11941-SITE7-SW Poplar Street (202001080404)**

**Sampled on 01/07/2020 1300**

Sample Type: DS  
 Sample Event: SEH3  
 Facility ID: 11941  
 Sample Point ID: SITE7  
 PWSID: OR4100660

**EPA 552.3 - UCMR4 552.3**

01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Bromochloroacetic acid	0.41	ug/L	0.30	1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Bromodichloroacetic acid	ND	ug/L	0.50	1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Chlorodibromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Dibromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Dichloroacetic acid	12	ug/L	0.20	1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Monobromoacetic acid	ND	ug/L	0.30	1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Monochloroacetic acid	ND	ug/L	2.0	1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Total HAA5	28	ug/L	0.20	1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Total HAA6Br	0.41	ug/L	0.20	1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Total HAA9	28	ug/L	0.20	1

Rounding on totals after summation.  
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Laboratory Data

**Report:** 847885  
**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:  
 01/08/2020 1518

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Tribromoacetic acid	ND	ug/L	2.0	1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	Trichloroacetic acid	16	ug/L	0.50	1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	1,2,3-Trichloropropane	103	%		1
01/11/20	01/16/20 16:26	1220643	1221517	(EPA 552.3)	2,3-Dibromopropionic acid	103	%		1

Rounding on totals after summation.  
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**Report:** 847885  
**Project:** UCMR4  
**Group:** AM2-DS-OR4100660-West Slope  
Water District

West Slope Water District

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**UCMR4 552.3****Prep Batch: 1220643 Analytical Batch: 1221517****Analysis Date: 01/16/2020**

202001080401	11944-SITE1-SW Sylvan Court
202001080402	11943-SITE6-SW Fairway Drive
202001080403	11942-SITE3-SW Kennedy Street
202001080404	11941-SITE7-SW Poplar Street

Analyzed by: A4H  
Analyzed by: A4H  
Analyzed by: A4H  
Analyzed by: A4H

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Report: 847885  
 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%
<b>UCMR4 552.3 by EPA 552.3</b>									
<b>Prep Batch: 1220643 Analytical Batch: 1221517</b>					<b>Analysis Date: 01/16/2020</b>				
CCCH	1,2,3-Trichloropropane (S)			100	%	100	(50-150)		
CCCM	1,2,3-Trichloropropane (S)			102	%	102	(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)			102	%	102	(50-150)		
MS1_202001070141	1,2,3-Trichloropropane (S)			102	%	102	(50-150)		
MSD1_202001070141	1,2,3-Trichloropropane (S)			102	%	102	(50-150)		
CCCH	2,3-Dibromopropionic acid (S)			104	%	104	(70-130)		
CCCM	2,3-Dibromopropionic acid (S)			98.3	%	98	(70-130)		
LCS1	2,3-Dibromopropionic acid (S)			101	%	101	(70-130)		
MBLK	2,3-Dibromopropionic acid (S)			98.8	%	99	(70-130)		
MRL_CHK	2,3-Dibromopropionic acid (S)			97.9	%	98	(70-130)		
MS1_202001070141	2,3-Dibromopropionic acid (S)			105	%	105	(70-130)		
MSD1_202001070141	2,3-Dibromopropionic acid (S)			104	%	104	(70-130)		
CCCH	Bromochloroacetic acid		6	6.06	ug/L	101	(70-130)		
CCCM	Bromochloroacetic acid		3	3.00	ug/L	100	(70-130)		
LCS1	Bromochloroacetic acid		3	2.82	ug/L	94	(70-130)		
MBLK	Bromochloroacetic acid			<0.1	ug/L				
MRL_CHK	Bromochloroacetic acid		0.3	0.285	ug/L	95	(50-150)		
MS1_202001070141	Bromochloroacetic acid	0.40	3	3.36	ug/L	99	(70-130)		
MSD1_202001070141	Bromochloroacetic acid	0.40	3	3.34	ug/L	98	(70-130)	30	0.55
CCCH	Bromodichloroacetic acid		10	10.8	ug/L	108	(70-130)		
CCCM	Bromodichloroacetic acid		5	5.59	ug/L	112	(70-130)		
LCS1	Bromodichloroacetic acid		5	4.86	ug/L	97	(70-130)		
MBLK	Bromodichloroacetic acid			<0.17	ug/L				
MRL_CHK	Bromodichloroacetic acid		0.5	0.328	ug/L	66	(50-150)		
MS1_202001070141	Bromodichloroacetic acid	ND	5	6.08	ug/L	114	(70-130)		
MSD1_202001070141	Bromodichloroacetic acid	ND	5	5.66	ug/L	106	(70-130)	30	7.1
CCCH	Chlorodibromoacetic acid		6	6.73	ug/L	112	(70-130)		
CCCM	Chlorodibromoacetic acid		3	3.28	ug/L	109	(70-130)		
LCS1	Chlorodibromoacetic acid		3	3.04	ug/L	101	(70-130)		
MBLK	Chlorodibromoacetic acid			<0.1	ug/L				
MRL_CHK	Chlorodibromoacetic acid		0.3	0.368	ug/L	123	(50-150)		
MS1_202001070141	Chlorodibromoacetic acid	ND	3	3.39	ug/L	105	(70-130)		
MSD1_202001070141	Chlorodibromoacetic acid	ND	3	2.76	ug/L	84	(70-130)	30	20

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: 847885  
 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	6.69	ug/L	111	(70-130)		
CCCM	Dibromoacetic acid		3	3.40	ug/L	113	(70-130)		
LCS1	Dibromoacetic acid		3	2.85	ug/L	95	(70-130)		
MBLK	Dibromoacetic acid			<0.1	ug/L				
MRL_CHK	Dibromoacetic acid		0.3	0.334	ug/L	111	(50-150)		
MS1_202001070141	Dibromoacetic acid	ND	3	3.15	ug/L	100	(70-130)		
MSD1_202001070141	Dibromoacetic acid	ND	3	2.76	ug/L	87	(70-130)	30	13
CCCH	Dichloroacetic acid		4	3.90	ug/L	97	(70-130)		
CCCM	Dichloroacetic acid		2	1.85	ug/L	93	(70-130)		
LCS1	Dichloroacetic acid		2	1.64	ug/L	82	(70-130)		
MBLK	Dichloroacetic acid			<0.067	ug/L				
MRL_CHK	Dichloroacetic acid		0.2	0.168	ug/L	84	(50-150)		
MS1_202001070141	Dichloroacetic acid	1.7	2	3.73	ug/L	100	(70-130)		
MSD1_202001070141	Dichloroacetic acid	1.7	2	3.75	ug/L	101	(70-130)	30	0.56
CCCH	Monobromoacetic acid		6	6.13	ug/L	102	(70-130)		
CCCM	Monobromoacetic acid		3	3.00	ug/L	100	(70-130)		
LCS1	Monobromoacetic acid		3	2.93	ug/L	98	(70-130)		
MBLK	Monobromoacetic acid			<0.1	ug/L				
MRL_CHK	Monobromoacetic acid		0.3	0.352	ug/L	117	(50-150)		
MS1_202001070141	Monobromoacetic acid	ND	3	3.05	ug/L	99	(70-130)		
MSD1_202001070141	Monobromoacetic acid	ND	3	3.01	ug/L	97	(70-130)	30	1.5
CCCH	Monochloroacetic acid		40	42.1	ug/L	105	(70-130)		
CCCM	Monochloroacetic acid		20	20.3	ug/L	102	(70-130)		
LCS1	Monochloroacetic acid		20	20.4	ug/L	102	(70-130)		
MBLK	Monochloroacetic acid			<0.67	ug/L				
MRL_CHK	Monochloroacetic acid		2	2.54	ug/L	127	(50-150)		
MS1_202001070141	Monochloroacetic acid	ND	20	22.0	ug/L	106	(70-130)		
MSD1_202001070141	Monochloroacetic acid	ND	20	22.4	ug/L	108	(70-130)	30	1.7
CCCH	Tribromoacetic acid		40	46.2	ug/L	116	(70-130)		
CCCM	Tribromoacetic acid		20	22.8	ug/L	114	(70-130)		
LCS1	Tribromoacetic acid		20	18.8	ug/L	94	(70-130)		
MBLK	Tribromoacetic acid			<0.67	ug/L				
MRL_CHK	Tribromoacetic acid		2	2.73	ug/L	137	(50-150)		
MS1_202001070141	Tribromoacetic acid	ND	20	23.4	ug/L	117	(70-130)		
MSD1_202001070141	Tribromoacetic acid	ND	20	12.5	ug/L	<u>63</u>	(70-130)	30	<u>61</u>
CCCH	Trichloroacetic acid		10	10.2	ug/L	103	(70-130)		
CCCM	Trichloroacetic acid		5	5.05	ug/L	101	(70-130)		
LCS1	Trichloroacetic acid		5	5.04	ug/L	101	(70-130)		

Spike recovery is already corrected for native results.

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

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

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

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

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**Report:** 847885  
**Project:** UCMR4  
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 Water District

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	0.384	ug/L	77	(50-150)		
MS1_202001070141	Trichloroacetic acid	2.0	5	7.19	ug/L	103	(70-130)		
MSD1_202001070141	Trichloroacetic acid	2.0	5	7.07	ug/L	101	(70-130)	30	1.7

Spike recovery is already corrected for native results.

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

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

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

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

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