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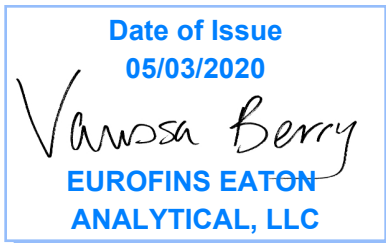


AT-1807

Laboratory Report

for

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



UTAH ELCP CA00006

Report:864651
Project:UCMR4
Group:AM2-DS-OR4100660-West Slope Water District

ZIA8: Vanessa Berry
Project Manager

- * Accredited in accordance with TNI 2016 and ISO/IEC 17025:2017.
- * Laboratory certifies that the test results meet all **TNI 2016 and ISO/IEC 17025:2017** requirements unless noted under the individual analysis.
- * Following the cover page are State Certification List, ISO/IEC 17025:2017 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
- * Test results relate only to the sample(s) tested.
- * Test results apply to the sample(s) as received, unless EEA-M collected and analyzed the sample(s) as noted in the COC and final report.
- * This report shall not be reproduced except in full, without the written approval of the laboratory.
- * This report includes ISO/IEC 17025:2017 and non-ISO/IEC 17025:2017 accredited methods.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Montana	Cert 0035
Arizona	AZ0778	Nebraska	Certified
Arkansas	Certified	Nevada	CA000062018
California	2813	New Hampshire *	2959
Colorado	Certified	New Jersey *	CA 008
Connecticut	PH-0107	New Mexico	Certified
Delaware	CA 006	New York *	11320
Florida *	E871024	North Carolina	06701
Georgia	947	North Dakota	R-009
Guam	18-005R	Oregon *	CA200003-005
Hawaii	Certified	Pennsylvania *	68-565
Idaho	Certified	Puerto Rico	Certified
Illinois *	200033	Rhode Island	LAO00326
Indiana	C-CA-01	South Carolina	87016
Iowa - Asbestos	413	South Dakota	Certified
Kansas *	E-10268	Tennessee	TN02839
Kentucky	90107	Texas *	T104704230-18-15
Louisiana *	LA180000	Utah (Primary AB) *	CA00006
Maine	CA0006	Vermont	VT0114
Maryland	224	Virginia *	460260
Commonwealth of Northern Marianas Is.	MP0004	Washington	C838
Massachusetts	M-CA006	EPA Region 5	Certified
Michigan	9906	Los Angeles County Sanitation Districts	10264
Mississippi	Certified		

* NELAP/TNI Recognized Accreditation Bodies

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 ⁻ 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 #: 864651
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 **April 08, 2020 at 1727**. 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>202004080597</u>	11944-SITE1-SW Sylvan Court Sample Type: DS Sample Event: SEH4 Facility ID: 11944 Sample Point ID: SITE1 PWSID: OR4100660 @UCMR4 552.3	04/07/2020 1400
<u>202004080598</u>	11943-SITE6-SW Fairway Drive Sample Type: DS Sample Event: SEH4 Facility ID: 11943 Sample Point ID: SITE6 PWSID: OR4100660 @UCMR4 552.3	04/07/2020 1400
<u>202004080599</u>	11942-SITE3-SW Kennedy Street Sample Type: DS Sample Event: SEH4 Facility ID: 11942 Sample Point ID: SITE3 PWSID: OR4100660 @UCMR4 552.3	04/07/2020 1400
<u>202004080600</u>	11941-SITE7-SW Poplar Street Sample Type: DS Sample Event: SEH4 Facility ID: 11941 Sample Point ID: SITE7 PWSID: OR4100660 @UCMR4 552.3	04/07/2020 1400

Test Description

@UCMR4 552.3 -- UCMR4 552.3

UCMR4 CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY:

Eaton Analytical
 100 Royal Oaks Drive, Suite 100, Monrovia, CA 91016-3299
 Phone: 626 386 1100 / 800 566 5227
 626 386 1101
 Website: <http://www.eurofinsus.com/Eaton>

Folder No: 24657

SAMPLES CHECKED AGAINST COC BY: [Signature]

SAMPLES LOGGED IN BY: [Signature]

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: OR 00660
 Example: (CA)234567

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:

(check for yes)

- Resample?

if YES, please specify which sample event it is for _____

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

SEE ATTACHED BOTTLE ORDER FOR ANALYSES
 list ANALYSES REQUIRED (Mark the number of containers in all test required for each sample line) OR (check for yes)

SAMPLE DATE	SAMPLE TIME	FACILITY ID (per EPA Requirement) - 5 characters Max	SAMPLE POINT ID (per EPA Requirement) - 20 characters max	SAMPLE EVENT #	STD			ANALYSES	SAMPLER COMMENTS
					1 wk	3 day	2 day		
								UCMR4 544	
								UCMR4 545	
								UCMR4 546	
								UCMR4 200.8	
								UCMR4 525.3	
								UCMR4 530	
								UCMR4 541	
								UCMR4 552.3	
								TOC	
								Bromide	

(*) 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

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

SAVED BY: <u>Daniel Griddle</u>	<u>DANIEL GRIDDLE</u>	<u>West Slope Water</u>	<u>4-7-20</u>	<u>2:00 pm</u>
RELEASED BY: <u>[Signature]</u>	<u>DANIEL GRIDDLE</u>	<u>West Slope Water</u>	<u>4-7-20</u>	<u>2:52 pm</u>
REC'D BY: <u>[Signature]</u>	<u>Jason O'Connell</u>	<u>TAFAR</u>	<u>4-7-20</u>	<u>2:52 pm</u>
RELEASED BY: <u>[Signature]</u>	<u>Anderson</u>	<u>TAFAR</u>	<u>4-8-20</u>	<u>17:00 pm</u>
REC'D BY: <u>[Signature]</u>	<u>[Signature]</u>	<u>FEET</u>	<u>4-8-20</u>	<u>17:27 pm</u>

UCMR4 INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: SL4651

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:

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 11944-SITE1 - SW Sylvan Court

IR Gun ID = 649A

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	1.5 - 0.3 =	1.2	1.2
TOC (5310C)	1	+	=	=
Bromide (300.0)	1	+	=	=

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

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

SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
<i>[Signature]</i>	Paul Hild	Eurofins Eaton Analytical	4.8.20	1727

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

Laboratory Comments

Report: 864651
Project: UCMR4
Group: AM2-DS-OR4100660-West Slope
Water District

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

Folder Comments

Sample results reported as NR due to failing QC. Samples will be recollected. VHB 4.30.20

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Laboratory Hits

Report: 864651
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:
04/08/2020 1727

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
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Report: 864651
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West Slope Water District
 Michael Grimm
 31PO Box 25140
 Portland, OR 97298

Samples Received on:
 04/08/2020 1727

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
11944-SITE1-SW Sylvan Court (202004080597)						Sampled on 04/07/2020 1400			
Sample Type: DS									
Sample Event: SEH4									
Facility ID: 11944									
Sample Point ID: SITE1									
PWSID: OR4100660									
EPA 552.3 - UCMR4 552.3									
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Bromochloroacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Bromodichloroacetic acid	NR	ug/L	0.50	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Chlorodibromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Dibromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Dichloroacetic acid	NR	ug/L	0.20	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Monobromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Monochloroacetic acid	NR	ug/L	2.0	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Total HAA5	NR	ug/L	0.20	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Total HAA6Br	NR	ug/L	0.20	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Total HAA9	NR	ug/L	0.20	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Tribromoacetic acid	NR	ug/L	2.0	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Trichloroacetic acid	NR	ug/L	0.50	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) 1,2,3-Trichloropropane	NR	%		1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) 2,3-Dibromopropionic acid	NR	%		1
11943-SITE6-SW Fairway Drive (202004080598)						Sampled on 04/07/2020 1400			
Sample Type: DS									
Sample Event: SEH4									
Facility ID: 11943									
Sample Point ID: SITE6									
PWSID: OR4100660									
EPA 552.3 - UCMR4 552.3									
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Bromochloroacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Bromodichloroacetic acid	NR	ug/L	0.50	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Chlorodibromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Dibromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Dichloroacetic acid	NR	ug/L	0.20	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Monobromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Monochloroacetic acid	NR	ug/L	2.0	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Total HAA5	NR	ug/L	0.20	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Total HAA6Br	NR	ug/L	0.20	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Total HAA9	NR	ug/L	0.20	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Tribromoacetic acid	NR	ug/L	2.0	1
04/20/20	04/27/20	13:53	1242912	1244713	(EPA 552.3) Trichloroacetic acid	NR	ug/L	0.50	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: 864651
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:
 04/08/2020 1727

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	1,2,3-Trichloropropane	NR	%		1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	2,3-Dibromopropionic acid	NR	%		1

11942-SITE3-SW Kennedy Street (202004080599)

Sampled on 04/07/2020 1400

Sample Type: DS
 Sample Event: SEH4
 Facility ID: 11942
 Sample Point ID: SITE3
 PWSID: OR4100660

EPA 552.3 - UCMR4 552.3

04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Bromochloroacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Bromodichloroacetic acid	NR	ug/L	0.50	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Chlorodibromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Dibromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Dichloroacetic acid	NR	ug/L	0.20	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Monobromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Monochloroacetic acid	NR	ug/L	2.0	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Total HAA5	NR	ug/L	0.20	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Total HAA6Br	NR	ug/L	0.20	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Total HAA9	NR	ug/L	0.20	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Tribromoacetic acid	NR	ug/L	2.0	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Trichloroacetic acid	NR	ug/L	0.50	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	1,2,3-Trichloropropane	NR	%		1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	2,3-Dibromopropionic acid	NR	%		1

11941-SITE7-SW Poplar Street (202004080600)

Sampled on 04/07/2020 1400

Sample Type: DS
 Sample Event: SEH4
 Facility ID: 11941
 Sample Point ID: SITE7
 PWSID: OR4100660

EPA 552.3 - UCMR4 552.3

04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Bromochloroacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Bromodichloroacetic acid	NR	ug/L	0.50	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Chlorodibromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Dibromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Dichloroacetic acid	NR	ug/L	0.20	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Monobromoacetic acid	NR	ug/L	0.30	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Monochloroacetic acid	NR	ug/L	2.0	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Total HAA5	NR	ug/L	0.20	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Total HAA6Br	NR	ug/L	0.20	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Total HAA9	NR	ug/L	0.20	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 Data

Report: 864651
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:
 04/08/2020 1727

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Tribromoacetic acid	NR	ug/L	2.0	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	Trichloroacetic acid	NR	ug/L	0.50	1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	1,2,3-Trichloropropane	NR	%		1
04/20/20	04/27/20 13:53	1242912	1244713	(EPA 552.3)	2,3-Dibromopropionic acid	NR	%		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: 864651
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Water District

West Slope Water District

UCMR4 552.3

Prep Batch: 1242912 Analytical Batch: 1244713

Analysis Date: 04/27/2020

202004080597	11944-SITE1-SW Sylvan Court
202004080598	11943-SITE6-SW Fairway Drive
202004080599	11942-SITE3-SW Kennedy Street
202004080600	11941-SITE7-SW Poplar Street

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

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 Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
UCMR4 552.3 by EPA 552.3									
Prep Batch: 1242912 Analytical Batch: 1243146					Analysis Date: 04/21/2020				
CCCM	1,2,3-Trichloropropane (S)			101	%	101	(50-150)		
LCS1	1,2,3-Trichloropropane (S)			105	%	105	(50-150)		
MBLK	1,2,3-Trichloropropane (S)			102	%	102	(50-150)		
MRL_CHK	1,2,3-Trichloropropane (S)			103	%	103	(50-150)		
MS2_202004090315	1,2,3-Trichloropropane (S)			103	%	103	(50-150)		
MSD2_202004090315	1,2,3-Trichloropropane (S)			101	%	101	(50-150)		
CCCM	2,3-Dibromopropionic acid (S)			119	%	119	(70-130)		
LCS1	2,3-Dibromopropionic acid (S)			104	%	104	(70-130)		
MBLK	2,3-Dibromopropionic acid (S)			107	%	107	(70-130)		
MRL_CHK	2,3-Dibromopropionic acid (S)			107	%	107	(70-130)		
MS2_202004090315	2,3-Dibromopropionic acid (S)			120	%	120	(50-150)		
MSD2_202004090315	2,3-Dibromopropionic acid (S)			117	%	117	(50-150)		
CCCM	Bromochloroacetic acid		3	2.91	ug/L	97	(70-130)		
LCS1	Bromochloroacetic acid		3	2.96	ug/L	99	(70-130)		
MBLK	Bromochloroacetic acid			<0.1	ug/L				
MRL_CHK	Bromochloroacetic acid		0.3	0.286	ug/L	95	(50-150)		
MS2_202004090315	Bromochloroacetic acid	2.1	0.3	2.44	ug/L	114	(50-150)		
MSD2_202004090315	Bromochloroacetic acid	2.1	0.3	2.39	ug/L	96	(50-150)	50	2.2
CCCM	Bromodichloroacetic acid		5	5.34	ug/L	107	(70-130)		
LCS1	Bromodichloroacetic acid		5	4.85	ug/L	97	(70-130)		
MBLK	Bromodichloroacetic acid			<0.17	ug/L				
MRL_CHK	Bromodichloroacetic acid		0.5	0.680	ug/L	136	(50-150)		
MS2_202004090315	Bromodichloroacetic acid	3.3	0.5	4.05	ug/L	153	(50-150)		
MSD2_202004090315	Bromodichloroacetic acid	3.3	0.5	4.11	ug/L	166	(50-150)	50	1.6
CCCM	Chlorodibromoacetic acid		3	3.55	ug/L	118	(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	0.410	ug/L	137	(50-150)		
MS2_202004090315	Chlorodibromoacetic acid	0.98	0.3	1.47	ug/L	165	(50-150)		
MSD2_202004090315	Chlorodibromoacetic acid	0.98	0.3	1.42	ug/L	146	(50-150)	50	3.5
CCCM	Dibromoacetic acid		3	3.41	ug/L	114	(70-130)		
LCS1	Dibromoacetic acid		3	3.29	ug/L	110	(70-130)		
MBLK	Dibromoacetic acid			<0.1	ug/L				
MRL_CHK	Dibromoacetic acid		0.3	0.359	ug/L	120	(50-150)		
MS2_202004090315	Dibromoacetic acid	0.46	0.3	0.762	ug/L	99	(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: 864651
 Project: UCMR4
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 Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
MSD2_202004090315	Dibromoacetic acid	0.46	0.3	0.731	ug/L	89	(50-150)	50	4.1
CCCM	Dichloroacetic acid		2	1.95	ug/L	98	(70-130)		
LCS1	Dichloroacetic acid		2	2.00	ug/L	100	(70-130)		
MBLK	Dichloroacetic acid			<0.067	ug/L				
MRL_CHK	Dichloroacetic acid		0.2	0.185	ug/L	93	(50-150)		
MS2_202004090315	Dichloroacetic acid	6.6	0.2	6.96	ug/L	181	(50-150)		
MSD2_202004090315	Dichloroacetic acid	6.6	0.2	6.74	ug/L	72	(50-150)	50	3.2
CCCM	Monobromoacetic acid		3	3.26	ug/L	109	(70-130)		
LCS1	Monobromoacetic acid		3	3.29	ug/L	110	(70-130)		
MBLK	Monobromoacetic acid			<0.1	ug/L				
MRL_CHK	Monobromoacetic acid		0.3	0.349	ug/L	116	(50-150)		
MS2_202004090315	Monobromoacetic acid	ND	0.3	0.577	ug/L	113	(50-150)		
MSD2_202004090315	Monobromoacetic acid	ND	0.3	0.560	ug/L	107	(50-150)	50	2.7
CCCM	Monochloroacetic acid		20	20.2	ug/L	101	(70-130)		
LCS1	Monochloroacetic acid		20	20.8	ug/L	104	(70-130)		
MBLK	Monochloroacetic acid			<0.67	ug/L				
MRL_CHK	Monochloroacetic acid		2	1.30	ug/L	65	(50-150)		
MS2_202004090315	Monochloroacetic acid	ND	2	2.06	ug/L	103	(50-150)		
MSD2_202004090315	Monochloroacetic acid	ND	2	1.81	ug/L	91	(50-150)	50	13
CCCM	Total HAA5		33	33.5	ug/L	101	(70-130)		
LCS1	Total HAA5		33	34.2	ug/L	104	(70-130)		
MBLK	Total HAA5			<0.1	ug/L				
MRL_CHK	Total HAA5		3.3	2.63	ug/L	80	(50-150)		
MS2_202004090315	Total HAA5	17	3.3	21.0	ug/L	127	(50-150)		
MSD2_202004090315	Total HAA5	17	3.3	20.1	ug/L	102	(50-150)	50	4.2
CCCM	Total HAA6Br		37	43.3	ug/L	117	(70-130)		
LCS1	Total HAA6Br		37	39.0	ug/L	105	(70-130)		
MBLK	Total HAA6Br			<0.1	ug/L				
MRL_CHK	Total HAA6Br		3.7	5.07	ug/L	137	(50-150)		
MS2_202004090315	Total HAA6Br	6.8	3.6	13.0	ug/L	172	(50-150)		
MSD2_202004090315	Total HAA6Br	6.8	3.6	12.7	ug/L	162	(50-150)	50	2.5
CCCM	Total HAA9		70	70.1	ug/L	100	(70-130)		
LCS1	Total HAA9		70	66.7	ug/L	95	(70-130)		
MBLK	Total HAA9			<0.1	ug/L				
MRL_CHK	Total HAA9		7	6.99	ug/L	100	(50-150)		
MS2_202004090315	Total HAA9	23	6.4	32.6	ug/L	148	(50-150)		
MSD2_202004090315	Total HAA9	23	6.4	31.5	ug/L	131	(50-150)	50	3.5
CCCM	Tribromoacetic acid		20	24.8	ug/L	124	(70-130)		

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 RPD not calculated for LCS2 when different a concentration than LCS1 is used.
 RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
 (S) - Indicates surrogate compound.
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Report: 864651
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 Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
LCS1	Tribromoacetic acid		20	21.6	ug/L	108	(70-130)		
MBLK	Tribromoacetic acid			<0.67	ug/L				
MRL_CHK	Tribromoacetic acid		2	2.99	ug/L	150	(50-150)		
MS2_202004090315	Tribromoacetic acid	ND	2	3.72	ug/L	<u>186</u>	(50-150)		
MSD2_202004090315	Tribromoacetic acid	ND	2	3.45	ug/L	<u>173</u>	(50-150)	50	7.6
CCCM	Trichloroacetic acid		5	4.66	ug/L	93	(70-130)		
LCS1	Trichloroacetic acid		5	4.83	ug/L	97	(70-130)		
MBLK	Trichloroacetic acid			<0.17	ug/L				
MRL_CHK	Trichloroacetic acid		0.5	0.433	ug/L	87	(50-150)		
MS2_202004090315	Trichloroacetic acid	9.7	0.5	10.6	ug/L	<u>172</u>	(50-150)		
MSD2_202004090315	Trichloroacetic acid	9.7	0.5	10.2	ug/L	104	(50-150)	50	2.8

Spike recovery is already corrected for native results.

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

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

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