

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)

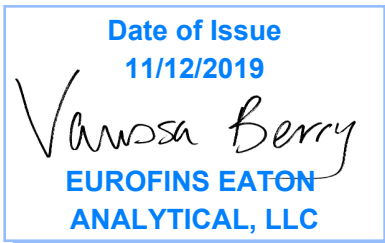


AT-1807

## Laboratory Report

for

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



UTAH ELCP CA00006

Report:833682  
Project:UCMR4  
Group:AM1-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 #: 833682  
 Project: UCMR4  
 Sample Group: AM1-EP-OR4100660-West Slope  
 Water District  
 Project Manager: Vanessa Berry  
 Phone: 503-310-3905

The following samples were received from you on **October 17, 2019** at **1122**. 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
201910170161	11940-EP001-Entry Point to Dist. System	10/16/2019 1100
	Sample Type: EP Sample Event: SEA2 Facility ID: 11940 Sample Point ID: EP001 PWSID: OR4100660	
	@UCMR4 200.8	@UCMR4 525.3
	@UCMR4 530	@UCMR4 530
	@UCMR4 541	

#### Test Description

- @UCMR4 200.8 -- UCMR4 Metals
- @UCMR4 525.3 -- UCMR4 525.3
- @UCMR4 530 -- UCMR4 530
- @UCMR4 541 -- UCMR4 541



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:

SAMPLES CHECKED AGAINST COC BY: \_\_\_\_\_

SAMPLES LOGGED IN BY: SM

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: DR.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

SAMPLE GROUP: UCMR4

- Resample?

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

EEA CLIENT CODE: \_\_\_\_\_

FACILITY ID (per EPA Requirement) - 5 characters Max

SAMPLE POINT ID (per EPA Requirement) - 20 characters max

SAMPLE EVENT #

STD \_\_\_ 1 wk \_\_\_ 3 day \_\_\_ 2 day \_\_\_ 1 day \_\_\_

TAT requested: rush by adv notice only

SAMPLE DATE

SAMPLE TIME

SAMPLE COMMENTS

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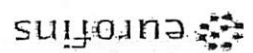
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Estim Analytical

UCMR4 INTERNAL CHAIN OF CUSTODY RECORD

Estim Folder Number: 833612

SAMPLES RECEIVED WITHIN 48 HOURS OF COLLECTION TIMER?

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 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 not rejected if refrigerated between collection and shipment documented on UCMR4 COCs as "yes."

Note: A minimum of 1 bottle for every analytical method must be checked for temperature. If the bottles 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.

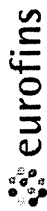
Facility ID & Unique Field Sample ID

11940-EP001

IR Gun ID = 6187

Method	Container ID	Container	Corrosion	Corrosion Factor (%)	Method	Container ID	Container	Corrosion	Corrosion Factor (%)	Field (%)	
UCMR4 2808	1	1.3	+	2.1	1.2	UCMR4 525.3	1	3.7	+	2.1	5.6
UCMR4 525.3	2	+	+	+	+	UCMR4 530	1	2.6	+	0.1	2.5
UCMR4 530	1	2.6	+	0.1	2.5	UCMR4 543	1	+	+	+	+
UCMR4 541	1	1.3	+	2.1	1.2	UCMR4 544	1	+	+	+	+
UCMR4 541	2	+	+	+	+	UCMR4 545	3	+	+	+	+
UCMR4 541	3	+	+	+	+	UCMR4 546	1	+	+	+	+
UCMR4 552.3	1	+	+	+	+						
UCMR4 552.3	2	+	+	+	+						
UCMR4 552.3	3	+	+	+	+						
TOC (5318C)	1	+	+	+	+						
Biohazard (300L)	1	+	+	+	+						

Signature: \_\_\_\_\_  
 POINT NAME: \_\_\_\_\_  
 COMPANY TITLE: \_\_\_\_\_  
 DATE: 10/11/19  
 TIME: 11:27



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 #: 245708



Created By: Vanessa Berry - [ZIA8]

Deliver By: 10/16/2019

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: AM1-EP/AM2-SR

PO#/JOB#:

Description:

**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 #
1 @UCMR4 541	3 - 125ml amber glass [ 6.88 Sulfite +138 mg Bisulfate ]	3	
1 @UCMR4 525.3	3 - 1L amber glass [ 0.1g AA + 0.35 EDTA + 9.4 g KHC ]	3	
1 @UCMR4 530	3 - 1L amber glass [ 8.52g Trizma+0.11g AA+0.41 EDTA+1.1g DU ]	3	
1 @UCMR4 200.8	1 - 250 ml poly [ no preservative ]	1	
4 @UCMR4 552.3	1 - 250ml amber glass [ 25 mg NH4CL ]	4	
<b>Sum Tests: 8</b>		<b>Sum Bottles: 14</b>	

**Comments**

Include return shipping labels  
 UCMR4 COC/sampling instructions  
 wet ice packing instructions

Fill sample containers to the neck of the bottle and thoroughly mix sample.

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**Laboratory Comments**

**Report:** 833682  
**Project:** UCMR4  
**Group:** AM1-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:** 833682  
**Project:** UCMR4  
**Group:** AM1-EP-OR4100660-West Slope  
 Water District

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

Samples Received on:  
 10/17/2019 1122

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	<b>201910170161</b>	<b><u>11940-EP001-Entry Point to Dist. System</u></b>				
11/08/2019 12:05	Manganese Total ICAP/MS		10		ug/L	0.40
10/30/2019 19:35	Quinoline		0.030		ug/L	0.020

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**Group:** AM1-EP-OR4100660-West Slope Water District

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

Samples Received on:  
 10/17/2019 1122

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<b>11940-EP001-Entry Point to Dist. System (201910170161)</b>						<b>Sampled on 10/16/2019 1100</b>			
Sample Type: EP									
Sample Event: SEA2									
Facility ID: 11940									
Sample Point ID: EP001									
PWSID: OR4100660									
<b>UCMR4 200.8 - UCMR4 Metals</b>									
11/08/19 12:05	1208031	1208433	(UCMR4 200.8)	Germanium Total ICAP/MS	ND	ug/L	0.30	1	
11/08/19 12:05	1208031	1208433	(UCMR4 200.8)	Manganese Total ICAP/MS	10	ug/L	0.40	1	
11/08/19 12:05	1208031	1208433	(UCMR4 200.8)	Indium (115)	108	%		1	
11/08/19 12:05	1208031	1208433	(UCMR4 200.8)	Yttrium (89)	108	%		1	
<b>EPA 525.3 - UCMR4 525.3</b>									
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	alpha-HCH	ND	ug/L	0.010	1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	Chlorpyrifos	ND	ug/L	0.030	1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	Dimethipin	ND	ug/L	0.20	1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	Ethoprop	ND	ug/L	0.030	1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	Oxyfluorfen	ND	ug/L	0.050	1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	Profenofos	ND	ug/L	0.30	1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	Tebuconazole	ND	ug/L	0.20	1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	Total Permethrin (trans & cis)	ND	ug/L	0.040	1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	Tribufos	ND	ug/L	0.070	1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	1,3-Dimethyl-2-nitrobenzene	85	%		1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	acenaphthene-d10	108	%		1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	Benzo[a]pyrene-d12	78	%		1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	chrysene-d12	103	%		1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	phenanthrene-d10	108	%		1	
10/23/19 10/29/19 14:22	1204979	1206388	(EPA 525.3)	Triphenyl Phosphate	79	%		1	
<b>EPA 541 - UCMR4 541</b>									
10/23/19 10/24/19 17:29	1204982	1205262	(EPA 541)	1-Butanol	ND	ug/L	2.0	1	
10/23/19 10/24/19 17:29	1204982	1205262	(EPA 541)	2-Methoxyethanol	ND	ug/L	0.40	1	
10/23/19 10/24/19 17:29	1204982	1205262	(EPA 541)	2-Propen-1-ol	ND	ug/L	0.50	1	
10/23/19 10/24/19 17:29	1204982	1205262	(EPA 541)	1-Butanol-d10	85	%		1	
10/23/19 10/24/19 17:29	1204982	1205262	(EPA 541)	Chlorobenzene-d5	104	%		1	
<b>EPA 530 - UCMR4 530</b>									
10/26/19 10/30/19 19:35	1205804	1206757	(EPA 530)	Butylated hydroxyanisole	ND	ug/L	0.030	1	
10/26/19 10/30/19 19:35	1205804	1206757	(EPA 530)	O-Toluidine	ND	ug/L	0.0070	1	
10/26/19 10/30/19 19:35	1205804	1206757	(EPA 530)	Quinoline	0.030	ug/L	0.020	1	
10/26/19 10/30/19 19:35	1205804	1206757	(EPA 530)	acenaphthene-d10	83	%		1	
10/26/19 10/30/19 19:35	1205804	1206757	(EPA 530)	o-Toluidine-d9	58	%		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:** 833682  
**Project:** UCMR4  
**Group:** AM1-EP-OR4100660-West Slope  
Water District

**West Slope Water District**

Michael Grimm  
31PO Box 25140  
Portland, OR 97298

Samples Received on:  
10/17/2019 1122

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Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
10/26/19	10/30/19 19:35	1205804	1206757	(EPA 530)	phenanthrene-d10	81	%		1
10/26/19	10/30/19 19:35	1205804	1206757	(EPA 530)	Quinoline-d7	98	%		1

Rounding on totals after summation.

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**Report:** 833682  
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Water District

West Slope Water District

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**UCMR4 541**

**Prep Batch: 1204982 Analytical Batch: 1205262**

201910170161 11940-EP001-Entry Point to Dist. System

**Analysis Date: 10/24/2019**

Analyzed by: X8AA

**UCMR4 525.3**

**Prep Batch: 1204979 Analytical Batch: 1206388**

201910170161 11940-EP001-Entry Point to Dist. System

**Analysis Date: 10/29/2019**

Analyzed by: QMN6

**UCMR4 530**

**Prep Batch: 1205804 Analytical Batch: 1206757**

201910170161 11940-EP001-Entry Point to Dist. System

**Analysis Date: 10/30/2019**

Analyzed by: QMN6

**UCMR4 Metals**

**Prep Batch: 1208031 Analytical Batch: 1208433**

201910170161 11940-EP001-Entry Point to Dist. System

**Analysis Date: 11/08/2019**

Analyzed by: NINA

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West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
<b>UCMR4 541 by EPA 541</b>									
<b>Analytical Batch: 1205262</b>					<b>Analysis Date: 10/24/2019</b>				
CCCH	1-Butanol		40	41.2	ug/L	103	(70-130)		
CCCL	1-Butanol		2	2.10	ug/L	105	(50-150)		
CCCM	1-Butanol		20	21.0	ug/L	105	(70-130)		
MBLK	1-Butanol			<0.67	ug/L				
MRL_CHK	1-Butanol		2	1.78	ug/L	89	(50-150)		
MS_201910160586	1-Butanol	ND	2	1.85	ug/L	93	(50-150)		
MSD_201910160586	1-Butanol	ND	2	2.18	ug/L	109	(50-150)	50	16
CCCH	1-Butanol-d10 (S)			98.8	%	99	(70-130)		
CCCL	1-Butanol-d10 (S)			101	%	101	(70-130)		
CCCM	1-Butanol-d10 (S)			99.8	%	100	(70-130)		
MBLK	1-Butanol-d10 (S)			84.5	%	85	(70-130)		
MRL_CHK	1-Butanol-d10 (S)			76.1	%	76	(70-130)		
MS_201910160586	1-Butanol-d10 (S)			75.4	%	75	(70-130)		
MSD_201910160586	1-Butanol-d10 (S)			90.7	%	91	(70-130)		
CCCH	2-Methoxyethanol		8	7.94	ug/L	99	(70-130)		
CCCL	2-Methoxyethanol		0.4	0.424	ug/L	106	(50-150)		
CCCM	2-Methoxyethanol		4	4.08	ug/L	102	(70-130)		
MBLK	2-Methoxyethanol			<0.13	ug/L				
MRL_CHK	2-Methoxyethanol		0.4	0.296	ug/L	74	(50-150)		
MS_201910160586	2-Methoxyethanol	ND	0.4	0.348	ug/L	87	(50-150)		
MSD_201910160586	2-Methoxyethanol	ND	0.4	0.398	ug/L	100	(50-150)	50	13
CCCH	2-Propen-1-ol		10	10.3	ug/L	103	(70-130)		
CCCL	2-Propen-1-ol		0.5	0.536	ug/L	107	(50-150)		
CCCM	2-Propen-1-ol		5	5.27	ug/L	105	(70-130)		
MBLK	2-Propen-1-ol			<0.17	ug/L				
MRL_CHK	2-Propen-1-ol		0.5	0.305	ug/L	61	(50-150)		
MS_201910160586	2-Propen-1-ol	ND	0.5	0.321	ug/L	64	(50-150)		
MSD_201910160586	2-Propen-1-ol	ND	0.5	0.406	ug/L	81	(50-150)	50	23
CCCH	Chlorobenzene-d5 (I)			97.5	%	98	(70-130)		
CCCL	Chlorobenzene-d5 (I)			99.8	%	100	(70-130)		
CCCM	Chlorobenzene-d5 (I)			97.8	%	98	(70-130)		
MBLK	Chlorobenzene-d5 (I)			106	%	106	(70-130)		
MRL_CHK	Chlorobenzene-d5 (I)			105	%	105	(70-130)		
MS_201910160586	Chlorobenzene-d5 (I)			103	%	103	(70-130)		
MSD_201910160586	Chlorobenzene-d5 (I)			102	%	102	(70-130)		

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Report: 833682  
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 Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
<b>UCMR4 525.3 by EPA 525.3</b>									
<b>Analytical Batch: 1206388</b>					<b>Analysis Date: 10/29/2019</b>				
CCCH	1,3-Dimethyl-2-nitrobenzene (S)			101	%	101	(70-130)		
CCCL	1,3-Dimethyl-2-nitrobenzene (S)			102	%	102	(70-130)		
CCCM	1,3-Dimethyl-2-nitrobenzene (S)			100	%	100	(70-130)		
CCCM	1,3-Dimethyl-2-nitrobenzene (S)			102	%	102	(70-130)		
MBLK	1,3-Dimethyl-2-nitrobenzene (S)			88.2	%	88	(70-130)		
MRL_CHK	1,3-Dimethyl-2-nitrobenzene (S)			89.4	%	89	(70-130)		
MS_201910160587	1,3-Dimethyl-2-nitrobenzene (S)			92.6	%	93	(70-130)		
MSD_201910160587	1,3-Dimethyl-2-nitrobenzene (S)			72.8	%	73	(70-130)		
CCCH	acenaphthene-d10 (I)			109	%	109	(70-130)		
CCCL	acenaphthene-d10 (I)			86.1	%	86	(70-130)		
CCCM	acenaphthene-d10 (I)			91.4	%	91	(70-130)		
CCCM	acenaphthene-d10 (I)			108	%	108	(70-130)		
MBLK	acenaphthene-d10 (I)			98.1	%	98	(70-130)		
MRL_CHK	acenaphthene-d10 (I)			101	%	101	(70-130)		
MS_201910160587	acenaphthene-d10 (I)			93.2	%	93	(70-130)		
MSD_201910160587	acenaphthene-d10 (I)			104	%	104	(70-130)		
CCCH	alpha-HCH		0.4	0.381	ug/L	95	(70-130)		
CCCL	alpha-HCH		0.01	0.00941	ug/L	94	(50-150)		
CCCM	alpha-HCH		0.1	0.100	ug/L	100	(70-130)		
CCCM	alpha-HCH		0.1	0.103	ug/L	103	(70-130)		
MBLK	alpha-HCH			<0.0033	ug/L				
MRL_CHK	alpha-HCH		0.01	0.00764	ug/L	76	(50-150)		
MS_201910160587	alpha-HCH	ND	0.01	0.00716	ug/L	72	(50-150)		
MSD_201910160587	alpha-HCH	ND	0.01	0.00708	ug/L	71	(50-150)	30	1.1
CCCH	Benzo[a]pyrene-d12 (S)			106	%	106	(70-130)		
CCCL	Benzo[a]pyrene-d12 (S)			89.1	%	89	(70-130)		
CCCM	Benzo[a]pyrene-d12 (S)			79.6	%	80	(70-130)		
CCCM	Benzo[a]pyrene-d12 (S)			79.0	%	79	(70-130)		
MBLK	Benzo[a]pyrene-d12 (S)			92.5	%	92	(70-130)		
MRL_CHK	Benzo[a]pyrene-d12 (S)			99.0	%	99	(70-130)		
MS_201910160587	Benzo[a]pyrene-d12 (S)			73.1	%	73	(70-130)		
MSD_201910160587	Benzo[a]pyrene-d12 (S)			85.7	%	86	(70-130)		
CCCH	Chlorpyrifos		0.4	0.370	ug/L	93	(70-130)		
CCCL	Chlorpyrifos		0.03	0.0301	ug/L	100	(50-150)		
CCCM	Chlorpyrifos		0.1	0.102	ug/L	102	(70-130)		

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Report: 833682  
 Project: UCMR4  
 Group: AM1-EP-OR4100660-West Slope  
 Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
CCCM	Chlorpyrifos		0.1	0.100	ug/L	100	(70-130)		
MBLK	Chlorpyrifos			<0.01	ug/L				
MRL_CHK	Chlorpyrifos		0.03	0.0374	ug/L	125	(50-150)		
MS_201910160587	Chlorpyrifos	ND	0.03	0.0318	ug/L	106	(50-150)		
MSD_201910160587	Chlorpyrifos	ND	0.03	0.0295	ug/L	98	(50-150)	30	7.7
CCCH	chrysene-d12 (I)			112	%	113	(70-130)		
CCCL	chrysene-d12 (I)			81.4	%	81	(70-130)		
CCCM	chrysene-d12 (I)			97.6	%	98	(70-130)		
CCCM	chrysene-d12 (I)			114	%	114	(70-130)		
MBLK	chrysene-d12 (I)			76.8	%	77	(70-130)		
MRL_CHK	chrysene-d12 (I)			88.6	%	89	(70-130)		
MS_201910160587	chrysene-d12 (I)			111	%	111	(70-130)		
MSD_201910160587	chrysene-d12 (I)			94.8	%	95	(70-130)		
CCCH	Dimethipin		4	3.70	ug/L	93	(70-130)		
CCCL	Dimethipin		0.2	0.228	ug/L	114	(50-150)		
CCCM	Dimethipin		1	1.04	ug/L	104	(70-130)		
CCCM	Dimethipin		1	1.02	ug/L	102	(70-130)		
MBLK	Dimethipin			<0.067	ug/L				
MRL_CHK	Dimethipin		0.2	0.252	ug/L	126	(50-150)		
MS_201910160587	Dimethipin	ND	0.2	0.246	ug/L	123	(50-150)		
MSD_201910160587	Dimethipin	ND	0.2	0.255	ug/L	127	(50-150)	30	3.4
CCCH	Ethoprop		0.4	0.391	ug/L	98	(70-130)		
CCCL	Ethoprop		0.03	0.0309	ug/L	103	(50-150)		
CCCM	Ethoprop		0.1	0.101	ug/L	101	(70-130)		
CCCM	Ethoprop		0.1	0.105	ug/L	105	(70-130)		
MBLK	Ethoprop			<0.010	ug/L				
MRL_CHK	Ethoprop		0.03	0.0322	ug/L	107	(50-150)		
MS_201910160587	Ethoprop	ND	0.03	0.0348	ug/L	116	(50-150)		
MSD_201910160587	Ethoprop	ND	0.03	0.0373	ug/L	124	(50-150)	30	6.8
CCCH	Oxyfluorfen		0.4	0.425	ug/L	106	(70-130)		
CCCL	Oxyfluorfen		0.05	0.0515	ug/L	103	(50-150)		
CCCM	Oxyfluorfen		0.1	0.102	ug/L	102	(70-130)		
CCCM	Oxyfluorfen		0.1	0.104	ug/L	104	(70-130)		
MBLK	Oxyfluorfen			<0.017	ug/L				
MRL_CHK	Oxyfluorfen		0.05	0.0646	ug/L	129	(50-150)		
MS_201910160587	Oxyfluorfen	ND	0.05	0.0594	ug/L	119	(50-150)		
MSD_201910160587	Oxyfluorfen	ND	0.05	0.0581	ug/L	116	(50-150)	30	2.2
CCCH	phenanthrene-d10 (I)			109	%	109	(70-130)		

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 Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
CCCL	phenanthrene-d10 (I)			85.2	%	85	(70-130)		
CCCM	phenanthrene-d10 (I)			87.4	%	87	(70-130)		
CCCM	phenanthrene-d10 (I)			110	%	110	(70-130)		
MBLK	phenanthrene-d10 (I)			96.2	%	96	(70-130)		
MRL_CHK	phenanthrene-d10 (I)			85.8	%	86	(70-130)		
MS_201910160587	phenanthrene-d10 (I)			93.1	%	93	(70-130)		
MSD_201910160587	phenanthrene-d10 (I)			96.4	%	96	(70-130)		
CCCH	Profenofos		4	3.77	ug/L	94	(70-130)		
CCCL	Profenofos		0.3	0.284	ug/L	95	(50-150)		
CCCM	Profenofos		1	0.907	ug/L	91	(70-130)		
CCCM	Profenofos		1	0.967	ug/L	97	(70-130)		
MBLK	Profenofos			<0.10	ug/L				
MRL_CHK	Profenofos		0.3	0.351	ug/L	117	(50-150)		
MS_201910160587	Profenofos	ND	0.3	0.334	ug/L	111	(50-150)		
MSD_201910160587	Profenofos	ND	0.3	0.323	ug/L	108	(50-150)	30	3.4
CCCH	Tebuconazole		4	3.29	ug/L	82	(70-130)		
CCCL	Tebuconazole		0.2	0.177	ug/L	88	(50-150)		
CCCM	Tebuconazole		1	0.723	ug/L	72	(70-130)		
CCCM	Tebuconazole		1	0.867	ug/L	87	(70-130)		
MBLK	Tebuconazole			<0.067	ug/L				
MRL_CHK	Tebuconazole		0.2	0.218	ug/L	109	(50-150)		
MS_201910160587	Tebuconazole	ND	0.2	0.190	ug/L	95	(50-150)		
MSD_201910160587	Tebuconazole	ND	0.2	0.218	ug/L	109	(50-150)	30	14
CCCH	Total Permethrin (trans & cis)		0.8	0.690	ug/L	86	(70-130)		
CCCL	Total Permethrin (trans & cis)		0.04	0.0333	ug/L	83	(50-150)		
CCCM	Total Permethrin (trans & cis)		0.2	0.145	ug/L	73	(70-130)		
CCCM	Total Permethrin (trans & cis)		0.2	0.162	ug/L	81	(70-130)		
MBLK	Total Permethrin (trans & cis)			<0.013	ug/L				
MRL_CHK	Total Permethrin (trans & cis)		0.04	0.0381	ug/L	95	(50-150)		
MS_201910160587	Total Permethrin (trans & cis)	ND	0.04	0.0348	ug/L	87	(50-150)		
MSD_201910160587	Total Permethrin (trans & cis)	ND	0.04	0.0427	ug/L	107	(50-150)	30	20
CCCH	Tribufos		0.4	0.386	ug/L	96	(70-130)		
CCCL	Tribufos		0.07	0.0659	ug/L	94	(50-150)		
CCCM	Tribufos		0.1	0.0988	ug/L	99	(70-130)		
CCCM	Tribufos		0.1	0.100	ug/L	100	(70-130)		
MBLK	Tribufos			<0.023	ug/L				
MRL_CHK	Tribufos		0.07	0.0731	ug/L	104	(50-150)		
MS_201910160587	Tribufos	ND	0.07	0.0797	ug/L	114	(50-150)		

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201910160587	Tribufos	ND	0.07	0.0789	ug/L	113	(50-150)	30	0.99
CCCH	Triphenyl Phosphate (S)			90.6	%	91	(70-130)		
CCCL	Triphenyl Phosphate (S)			89.2	%	89	(70-130)		
CCCM	Triphenyl Phosphate (S)			77.3	%	77	(70-130)		
CCCM	Triphenyl Phosphate (S)			87.1	%	87	(70-130)		
MBLK	Triphenyl Phosphate (S)			105	%	105	(70-130)		
MRL_CHK	Triphenyl Phosphate (S)			105	%	105	(70-130)		
MS_201910160587	Triphenyl Phosphate (S)			70.6	%	71	(70-130)		
MSD_201910160587	Triphenyl Phosphate (S)			83.1	%	83	(70-130)		

UCMR4 530 by EPA 530

Analytical Batch: 1206757

Analysis Date: 10/30/2019

CCCH	acenaphthene-d10 (I)			102	%	102	(70-130)		
CCCL	acenaphthene-d10 (I)			109	%	109	(70-130)		
CCCM	acenaphthene-d10 (I)			104	%	105	(70-130)		
MBLK	acenaphthene-d10 (I)			83.2	%	83	(70-130)		
MRL_CHK	acenaphthene-d10 (I)			85.9	%	86	(70-130)		
MS_201910170161	acenaphthene-d10 (I)			87.3	%	87	(70-130)		
MSD_201910170161	acenaphthene-d10 (I)			81.2	%	81	(70-130)		
CCCH	Butylated hydroxyanisole		0.2	0.184	ug/L	92	(70-130)		
CCCL	Butylated hydroxyanisole		0.03	0.0315	ug/L	105	(50-150)		
CCCM	Butylated hydroxyanisole		0.1	0.0956	ug/L	96	(70-130)		
MBLK	Butylated hydroxyanisole			<0.01	ug/L				
MRL_CHK	Butylated hydroxyanisole		0.03	0.0259	ug/L	87	(50-150)		
MS_201910170161	Butylated hydroxyanisole	ND	0.03	0.0284	ug/L	95	(50-150)		
MSD_201910170161	Butylated hydroxyanisole	ND	0.03	0.0272	ug/L	91	(50-150)	50	4.2
CCCH	O-Toluidine		0.2	0.180	ug/L	90	(70-130)		
CCCL	O-Toluidine		0.007	0.00702	ug/L	100	(50-150)		
CCCM	O-Toluidine		0.1	0.0890	ug/L	89	(70-130)		
MBLK	O-Toluidine			<0.0023	ug/L				
MRL_CHK	O-Toluidine		0.007	0.00649	ug/L	93	(50-150)		
MS_201910170161	O-Toluidine	ND	0.007	0.00580	ug/L	83	(50-150)		
MSD_201910170161	O-Toluidine	ND	0.007	0.00539	ug/L	77	(50-150)	50	7.3
CCCH	o-Toluidine-d9 (S)			89.2	%	89	(50-130)		
CCCL	o-Toluidine-d9 (S)			84.1	%	84	(50-130)		
CCCM	o-Toluidine-d9 (S)			89.0	%	89	(50-130)		
MBLK	o-Toluidine-d9 (S)			65.4	%	65	(50-130)		
MRL_CHK	o-Toluidine-d9 (S)			65.8	%	66	(50-130)		
MS_201910170161	o-Toluidine-d9 (S)			56.7	%	57	(50-130)		

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(S) - Indicates surrogate compound.

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**Report:** 833682  
**Project:** UCMR4  
**Group:** AM1-EP-OR4100660-West Slope Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201910170161	o-Toluidine-d9 (S)			58.6	%	59	(50-130)		
CCCH	phenanthrene-d10 (I)			105	%	105	(70-130)		
CCCL	phenanthrene-d10 (I)			110	%	110	(70-130)		
CCCM	phenanthrene-d10 (I)			101	%	101	(70-130)		
MBLK	phenanthrene-d10 (I)			83.2	%	83	(70-130)		
MRL_CHK	phenanthrene-d10 (I)			86.2	%	86	(70-130)		
MS_201910170161	phenanthrene-d10 (I)			88.6	%	89	(70-130)		
MSD_201910170161	phenanthrene-d10 (I)			80.9	%	81	(70-130)		
CCCH	Quinoline		0.2	0.186	ug/L	93	(70-130)		
CCCL	Quinoline		0.02	0.0178	ug/L	89	(50-150)		
CCCM	Quinoline		0.1	0.0852	ug/L	85	(70-130)		
MBLK	Quinoline			<0.0067	ug/L				
MRL_CHK	Quinoline		0.02	0.0168	ug/L	84	(50-150)		
MS_201910170161	Quinoline	0.030	0.02	0.0495	ug/L	97	(50-150)		
MSD_201910170161	Quinoline	0.030	0.02	0.0472	ug/L	86	(50-150)	50	4.7
CCCH	Quinoline-d7 (S)			93.2	%	93	(70-130)		
CCCL	Quinoline-d7 (S)			93.6	%	94	(70-130)		
CCCM	Quinoline-d7 (S)			90.6	%	91	(70-130)		
MBLK	Quinoline-d7 (S)			90.8	%	91	(70-130)		
MRL_CHK	Quinoline-d7 (S)			91.4	%	91	(70-130)		
MS_201910170161	Quinoline-d7 (S)			92.8	%	93	(70-130)		
MSD_201910170161	Quinoline-d7 (S)			96.1	%	96	(70-130)		

**UCMR4 Metals by UCMR4 200.8**

Analytical Batch: 1208433

Analysis Date: 11/08/2019

CCCH	Germanium Total ICAP/MS		60	57.0	ug/L	95	(85-115)		
CCCL	Germanium Total ICAP/MS		0.3	0.252	ug/L	84	(50-150)		
CCCM	Germanium Total ICAP/MS		30	30.3	ug/L	101	(85-115)		
LCS1	Germanium Total ICAP/MS		30	30.2	ug/L	101	(90-110)		
MBLK	Germanium Total ICAP/MS			<0.3	ug/L				
MRL_CHK	Germanium Total ICAP/MS		0.3	0.308	ug/L	103	(50-150)		
MS_201910160588	Germanium Total ICAP/MS	ND	30	30.4	ug/L	101	(70-130)		
MSD_201910160588	Germanium Total ICAP/MS	ND	30	31.5	ug/L	105	(70-130)	20	3.5
CCCH	Indium (115) (I)		100	104	%	105	(60-125)		
CCCL	Indium (115) (I)		100	103	%	103	(60-125)		
CCCM	Indium (115) (I)		100	102	%	102	(60-125)		
LCS1	Indium (115) (I)		100	105	%	105	(60-125)		
MBLK	Indium (115) (I)			103	%	103	(60-125)		

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**Report:** 833682  
**Project:** UCMR4  
**Group:** AM1-EP-OR4100660-West Slope  
 Water District

West Slope Water District

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Indium (115) (I)		100	95.6	%	96	(60-125)		
MS_201910160588	Indium (115) (I)		100	102	%	102	(60-125)		
MSD_201910160588	Indium (115) (I)		100	103	%	103	(60-125)		
CCCH	Manganese Total ICAP/MS		80	77.5	ug/L	97	(85-115)		
CCCL	Manganese Total ICAP/MS		0.4	0.490	ug/L	122	(50-150)		
CCCM	Manganese Total ICAP/MS		40	40.8	ug/L	102	(85-115)		
LCS1	Manganese Total ICAP/MS		40	39.8	ug/L	100	(90-110)		
MBLK	Manganese Total ICAP/MS			<0.4	ug/L				
MRL_CHK	Manganese Total ICAP/MS		0.4	0.425	ug/L	106	(50-150)		
MS_201910160588	Manganese Total ICAP/MS	0.68	40	39.7	ug/L	98	(70-130)		
MSD_201910160588	Manganese Total ICAP/MS	0.68	40	40.1	ug/L	99	(70-130)	20	1.1
CCCH	Yttrium (89) (I)		100	103	%	103	(60-125)		
CCCL	Yttrium (89) (I)		100	103	%	103	(60-125)		
CCCM	Yttrium (89) (I)		100	102	%	102	(60-125)		
LCS1	Yttrium (89) (I)		100	104	%	104	(60-125)		
MBLK	Yttrium (89) (I)			104	%	104	(60-125)		
MRL_CHK	Yttrium (89) (I)		100	97.2	%	97	(60-125)		
MS_201910160588	Yttrium (89) (I)		100	103	%	103	(60-125)		
MSD_201910160588	Yttrium (89) (I)		100	105	%	105	(60-125)		

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