



Alpha

Alpha Analytical Laboratories Inc.

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Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

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Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

ELAP Certificates 1551, 2728, and 2922

27 June 2017

Sample Traps, LLC

Attn: Quality Control Manager

6398 Dougherty Road, Suite 36

Dublin, CA 94568

RE: QC- 16oz WM Poly

Work Order: 17F1487

Enclosed are the results of analyses for samples received by the laboratory on 06/14/17 21:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Chelsea L. Sandelin
Project Manager



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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
K7164CUCS	17F1487-01	Water	06/14/17 00:00	06/14/17 21:05



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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Metals (Drinking Water) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
K7164CUCS (17F1487-01) Water Sampled: 06/14/17 00:00 Received: 06/14/17 21:05												
Calcium	ND	0.20	1.0		mg/L	1	AF73603	06/16/17 09:48	06/22/17 14:29	EPA 200.7	MAM	U
Magnesium	ND	0.030	1.0		mg/L	1	AF73603	06/16/17 09:48	06/22/17 14:29	EPA 200.7	MAM	U
Potassium	ND	0.040	1.0		mg/L	1	AF73603	06/16/17 09:48	06/22/17 14:29	EPA 200.7	MAM	U
Sodium	ND	0.020	1.0		mg/L	1	AF73603	06/16/17 09:48	06/22/17 14:29	EPA 200.7	MAM	U



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Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
K7164CUCS (17F1487-01) Water Sampled: 06/14/17 00:00 Received: 06/14/17 21:05												
Mercury	ND	0.060	0.20		ug/L	1	AF73395	06/23/17 11:07	06/23/17 15:47	EPA 245.1	JJM	U
Tin	ND	0.020	0.050		mg/L	1	AF73603	06/16/17 09:48	06/22/17 14:29	EPA 200.7	MAM	U



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Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Metals by EPA Method 200.8 ICP/MS

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
K7164CUCS (17F1487-01) Water Sampled: 06/14/17 00:00 Received: 06/14/17 21:05												
Aluminum	ND	2.0	10		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Antimony	ND	0.020	0.50		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Arsenic	0.53	0.20	0.50		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	
Barium	ND	0.050	0.50		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Beryllium	ND	0.020	0.10		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Boron	ND	6.0	50		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Cadmium	ND	0.050	0.10		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Chromium	ND	0.080	0.50		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Cobalt	ND	0.010	0.10		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Copper	0.39	0.050	0.50		ug/L	1	AF73604	06/16/17 09:49	06/20/17 17:39	EPA 200.8	MMY	J
Iron	ND	2.0	50		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Lead	ND	0.020	0.25		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Manganese	ND	0.050	5.0		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Molybdenum	ND	0.020	0.25		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Nickel	ND	0.060	0.50		ug/L	1	AF73604	06/16/17 09:49	06/20/17 17:39	EPA 200.8	MMY	U
Selenium	ND	0.20	2.0		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Silver	ND	0.050	0.10		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Thallium	ND	0.050	0.10		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Vanadium	ND	0.50	1.0		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	U
Zinc	2.9	0.50	5.0		ug/L	1	AF73604	06/16/17 09:49	06/19/17 17:49	EPA 200.8	MMY	J



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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Anions by EPA Method 300.0

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
K7164CUCS (17F1487-01) Water Sampled: 06/14/17 00:00 Received: 06/14/17 21:05												
Fluoride	ND	0.070	0.10		mg/L	1	AF73577	06/15/17 18:01	06/15/17 18:01	EPA 300.0	SMP	U
Nitrate as NO3	ND	0.20	1.0		mg/L	1	AF73577	06/15/17 18:01	06/15/17 18:01	EPA 300.0	SMP	U
Nitrite as NO2	ND	0.20	1.0		mg/L	1	AF73577	06/15/17 18:01	06/15/17 18:01	EPA 300.0	SMP	U
Sulfate as SO4	ND	0.20	0.50		mg/L	1	AF73577	06/15/17 18:01	06/15/17 18:01	EPA 300.0	SMP	U



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Sample Traps, LLC
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Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Metals (Drinking Water) by EPA 200 Series Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AF73603 - Metals Digest

Blank (AF73603-BLK1)

Prepared: 06/16/17 Analyzed: 06/22/17

Calcium	ND	0.20	1.0	mg/L							U
Magnesium	ND	0.030	1.0	mg/L							U
Potassium	ND	0.040	1.0	mg/L							U
Sodium	ND	0.020	1.0	mg/L							U

LCS (AF73603-BS1)

Prepared: 06/16/17 Analyzed: 06/22/17

Calcium	7.56	0.20	1.0	mg/L	8.00		94.5	85-115			
Magnesium	7.39	0.030	1.0	mg/L	8.00		92.4	85-115			
Potassium	7.47	0.040	1.0	mg/L	8.00		93.4	85-115			
Sodium	7.58	0.020	1.0	mg/L	8.00		94.7	85-115			

Duplicate (AF73603-DUP1)

Source: 17F1436-02

Prepared: 06/16/17 Analyzed: 06/22/17

Calcium	18.0	0.20	1.0	mg/L		18.3			1.63	20	
Magnesium	6.69	0.030	1.0	mg/L		6.78			1.33	20	
Potassium	16.3	0.040	1.0	mg/L		16.6			1.50	20	
Sodium	66.9	0.020	1.0	mg/L		67.6			1.07	20	

Matrix Spike (AF73603-MS1)

Source: 17F1436-02

Prepared: 06/16/17 Analyzed: 06/22/17

Calcium	27.0	0.20	1.0	mg/L	8.00	18.3	108	70-130			
Magnesium	14.4	0.030	1.0	mg/L	8.00	6.78	95.1	70-130			
Potassium	24.4	0.040	1.0	mg/L	8.00	16.6	98.3	70-130			
Sodium	76.4	0.020	1.0	mg/L	8.00	67.6	109	70-130			

Matrix Spike (AF73603-MS2)

Source: 17F1305-01

Prepared: 06/16/17 Analyzed: 06/22/17

Calcium	23.2	0.20	1.0	mg/L	8.00	16.8	79.5	70-130			
Magnesium	17.6	0.030	1.0	mg/L	8.00	11.1	81.7	70-130			
Potassium	7.62	0.040	1.0	mg/L	8.00	0.491	89.1	70-130			
Sodium	18.1	0.020	1.0	mg/L	8.00	12.1	75.3	70-130			



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Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Metals (Drinking Water) by EPA 200 Series Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AF73603 - Metals Digest

Matrix Spike Dup (AF73603-MSD1)

Source: 17F1436-02

Prepared: 06/16/17 Analyzed: 06/22/17

Calcium	27.0	0.20	1.0	mg/L	8.00	18.3	108	70-130	0.0161	20	
Magnesium	14.5	0.030	1.0	mg/L	8.00	6.78	96.2	70-130	0.604	20	
Potassium	23.9	0.040	1.0	mg/L	8.00	16.6	91.7	70-130	2.16	20	
Sodium	76.4	0.020	1.0	mg/L	8.00	67.6	110	70-130	0.0509	20	



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Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
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Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AF73395 - EPA 245.1 Hg Water

Blank (AF73395-BLK1)					Prepared & Analyzed: 06/23/17						
Mercury	ND	0.060	0.20	ug/L							U
LCS (AF73395-BS1)					Prepared & Analyzed: 06/23/17						
Mercury	2.28	0.060	0.20	ug/L	2.50		91.2	85-115			
Duplicate (AF73395-DUP1)					Source: 17F1270-01 Prepared & Analyzed: 06/23/17						
Mercury	ND	0.060	0.20	ug/L		ND			20		U
Matrix Spike (AF73395-MS1)					Source: 17F1270-01 Prepared & Analyzed: 06/23/17						
Mercury	2.43	0.060	0.20	ug/L	2.50	ND	97.2	70-130			
Matrix Spike (AF73395-MS2)					Source: 17F0714-04 Prepared & Analyzed: 06/23/17						
Mercury	2.44	0.060	0.20	ug/L	2.50	ND	97.6	70-130			
Matrix Spike Dup (AF73395-MSD1)					Source: 17F1270-01 Prepared & Analyzed: 06/23/17						
Mercury	2.31	0.060	0.20	ug/L	2.50	ND	92.4	70-130	5.06	20	

Batch AF73603 - Metals Digest

Blank (AF73603-BLK1)					Prepared: 06/16/17 Analyzed: 06/22/17						
Tin	ND	0.020	0.050	mg/L							U
LCS (AF73603-BS1)					Prepared: 06/16/17 Analyzed: 06/22/17						
Tin	0.153	0.020	0.050	mg/L	0.145		106	85-115			
Duplicate (AF73603-DUP1)					Source: 17F1436-02 Prepared: 06/16/17 Analyzed: 06/22/17						
Tin	ND	0.020	0.050	mg/L		ND			20		U



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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AF73603 - Metals Digest

Matrix Spike (AF73603-MS1)		Source: 17F1436-02			Prepared: 06/16/17 Analyzed: 06/22/17						
Tin	0.157	0.020	0.050	mg/L	0.145	ND	108	70-130			
Matrix Spike (AF73603-MS2)		Source: 17F1305-01			Prepared: 06/16/17 Analyzed: 06/22/17						
Tin	0.144	0.020	0.050	mg/L	0.145	ND	99.5	70-130			
Matrix Spike Dup (AF73603-MSD1)		Source: 17F1436-02			Prepared: 06/16/17 Analyzed: 06/22/17						
Tin	0.157	0.020	0.050	mg/L	0.145	ND	108	70-130	0.254	20	



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Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Metals by EPA Method 200.8 ICP/MS - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AF73604 - EPA 200.8

Blank (AF73604-BLK1)

Prepared: 06/16/17 Analyzed: 06/19/17

Aluminum	ND	2.0	10	ug/L							U
Antimony	ND	0.020	0.50	ug/L							U
Arsenic	ND	0.20	0.50	ug/L							U
Barium	ND	0.050	0.50	ug/L							U
Beryllium	ND	0.020	0.10	ug/L							U
Boron	ND	6.0	50	ug/L							U
Cadmium	ND	0.050	0.10	ug/L							U
Chromium	ND	0.080	0.50	ug/L							U
Cobalt	ND	0.010	0.10	ug/L							U
Copper	ND	0.050	0.50	ug/L							U
Iron	ND	2.0	50	ug/L							U
Lead	ND	0.020	0.25	ug/L							U
Manganese	ND	0.050	5.0	ug/L							U
Molybdenum	ND	0.020	0.25	ug/L							U
Nickel	ND	0.060	0.50	ug/L							U
Selenium	ND	0.20	2.0	ug/L							U
Silver	ND	0.050	0.10	ug/L							U
Thallium	ND	0.050	0.10	ug/L							U
Vanadium	ND	0.50	1.0	ug/L							U
Zinc	ND	0.50	5.0	ug/L							U

LCS (AF73604-BS1)

Prepared: 06/16/17 Analyzed: 06/19/17

Aluminum	533	2.0	10	ug/L	520		103	85-115			
Antimony	21.1	0.020	0.50	ug/L	20.0		106	85-115			
Arsenic	20.9	0.20	0.50	ug/L	20.0		104	85-115			
Barium	20.6	0.050	0.50	ug/L	20.0		103	85-115			
Beryllium	20.7	0.020	0.10	ug/L	20.0		104	85-115			
Boron	108	6.0	50	ug/L	100		108	85-115			
Cadmium	20.7	0.050	0.10	ug/L	20.0		103	85-115			
Chromium	21.1	0.080	0.50	ug/L	20.0		105	85-115			
Cobalt	21.6	0.010	0.10	ug/L	20.0		108	85-115			
Copper	20.9	0.050	0.50	ug/L	20.0		104	85-115			
Iron	562	2.0	50	ug/L	520		108	85-115			
Lead	20.8	0.020	0.25	ug/L	20.0		104	85-115			
Manganese	20.8	0.050	5.0	ug/L	20.0		104	85-115			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Metals by EPA Method 200.8 ICP/MS - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AF73604 - EPA 200.8

LCS (AF73604-BS1)

Prepared: 06/16/17 Analyzed: 06/19/17

Molybdenum	20.3	0.020	0.25	ug/L	20.0	102	85-115				
Nickel	18.5	0.060	0.50	ug/L	20.0	92.6	85-115				
Selenium	20.9	0.20	2.0	ug/L	20.0	105	85-115				
Silver	20.6	0.050	0.10	ug/L	20.0	103	85-115				
Thallium	20.9	0.050	0.10	ug/L	20.0	104	85-115				
Vanadium	21.0	0.50	1.0	ug/L	20.0	105	85-115				
Zinc	104	0.50	5.0	ug/L	100	104	85-115				

Duplicate (AF73604-DUP1)

Source: 17F1487-01

Prepared: 06/16/17 Analyzed: 06/19/17

Aluminum	ND	2.0	10	ug/L		ND			20		U
Antimony	ND	0.020	0.50	ug/L		ND			20		U
Arsenic	0.514	0.20	0.50	ug/L		0.532		3.37	20		
Barium	ND	0.050	0.50	ug/L		ND			20		U
Beryllium	ND	0.020	0.10	ug/L		ND			20		U
Boron	ND	6.0	50	ug/L		ND			20		U
Cadmium	ND	0.050	0.10	ug/L		ND			20		U
Chromium	ND	0.080	0.50	ug/L		ND			20		U
Cobalt	0.201	0.010	0.10	ug/L		ND			20		
Copper	0.473	0.050	0.50	ug/L		0.393		18.6	20		J
Iron	20.0	2.0	50	ug/L		ND			20		J
Lead	ND	0.020	0.25	ug/L		ND			20		U
Manganese	ND	0.050	5.0	ug/L		ND			20		U
Molybdenum	ND	0.020	0.25	ug/L		ND			20		U
Nickel	ND	0.060	0.50	ug/L		ND			20		U
Selenium	ND	0.20	2.0	ug/L		ND			20		U
Silver	ND	0.050	0.10	ug/L		ND			20		U
Thallium	ND	0.050	0.10	ug/L		ND			20		U
Vanadium	ND	0.50	1.0	ug/L		ND			20		U
Zinc	3.78	0.50	5.0	ug/L		2.88		27.2	20		J

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Metals by EPA Method 200.8 ICP/MS - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AF73604 - EPA 200.8

Matrix Spike (AF73604-MS1)

Source: 17F1487-01

Prepared: 06/16/17 Analyzed: 06/19/17

Aluminum	565	2.0	10	ug/L	520	ND	109	70-130			
Antimony	22.1	0.020	0.50	ug/L	20.0	ND	111	70-130			
Arsenic	22.3	0.20	0.50	ug/L	20.0	0.532	109	70-130			
Barium	21.8	0.050	0.50	ug/L	20.0	ND	109	70-130			
Beryllium	21.6	0.020	0.10	ug/L	20.0	ND	108	70-130			
Boron	124	6.0	50	ug/L	100	ND	124	70-130			
Cadmium	21.6	0.050	0.10	ug/L	20.0	ND	108	70-130			
Chromium	22.6	0.080	0.50	ug/L	20.0	ND	113	70-130			
Cobalt	22.5	0.010	0.10	ug/L	20.0	ND	112	70-130			
Copper	22.0	0.050	0.50	ug/L	20.0	0.393	108	70-130			
Iron	600	2.0	50	ug/L	520	ND	115	70-130			
Lead	21.9	0.020	0.25	ug/L	20.0	ND	109	70-130			
Manganese	22.0	0.050	5.0	ug/L	20.0	ND	110	70-130			
Molybdenum	21.5	0.020	0.25	ug/L	20.0	ND	107	70-130			
Nickel	19.6	0.060	0.50	ug/L	20.0	ND	98.0	70-130			
Selenium	22.3	0.20	2.0	ug/L	20.0	ND	112	70-130			
Silver	21.6	0.050	0.10	ug/L	20.0	ND	108	70-130			
Thallium	22.3	0.050	0.10	ug/L	20.0	ND	111	70-130			
Vanadium	21.9	0.50	1.0	ug/L	20.0	ND	110	70-130			
Zinc	111	0.50	5.0	ug/L	100	2.88	108	70-130			

Matrix Spike (AF73604-MS2)

Source: 17F1366-09

Prepared: 06/16/17 Analyzed: 06/19/17

Aluminum	1120	2.0	10	ug/L	520	601	99.0	70-130			
Antimony	21.9	0.020	0.50	ug/L	20.0	1.02	104	70-130			
Arsenic	24.4	0.20	0.50	ug/L	20.0	1.86	113	70-130			
Barium	78.3	0.050	0.50	ug/L	20.0	54.8	118	70-130			
Beryllium	22.6	0.020	0.10	ug/L	20.0	ND	113	70-130			
Boron	378	6.0	50	ug/L	100	230	148	70-130			QM-4X
Cadmium	21.0	0.050	0.10	ug/L	20.0	0.196	104	70-130			
Chromium	25.3	0.080	0.50	ug/L	20.0	4.35	105	70-130			
Cobalt	22.5	0.010	0.10	ug/L	20.0	1.11	107	70-130			
Copper	90.2	0.050	0.50	ug/L	20.0	64.2	130	70-130			QM-4X
Iron	4480	8.0	200	ug/L	520	3840	124	70-130			
Lead	25.4	0.020	0.25	ug/L	20.0	3.86	108	70-130			
Manganese	129	0.050	5.0	ug/L	20.0	125	19.8	70-130			QM-4X

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Metals by EPA Method 200.8 ICP/MS - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AF73604 - EPA 200.8

Matrix Spike (AF73604-MS2)

Source: 17F1366-09

Prepared: 06/16/17 Analyzed: 06/19/17

Molybdenum	27.0	0.020	0.25	ug/L	20.0	5.33	108	70-130			
Nickel	25.6	0.060	0.50	ug/L	20.0	7.23	91.9	70-130			
Selenium	23.9	0.20	2.0	ug/L	20.0	0.786	115	70-130			
Silver	20.7	0.050	0.10	ug/L	20.0	0.380	101	70-130			
Thallium	20.2	0.050	0.10	ug/L	20.0	ND	101	70-130			
Vanadium	23.9	0.50	1.0	ug/L	20.0	2.65	106	70-130			
Zinc	293	0.50	5.0	ug/L	100	181	111	70-130			

Matrix Spike Dup (AF73604-MSD1)

Source: 17F1487-01

Prepared: 06/16/17 Analyzed: 06/19/17

Aluminum	570	2.0	10	ug/L	520	ND	110	70-130	0.898	20	
Antimony	21.9	0.020	0.50	ug/L	20.0	ND	110	70-130	0.870	20	
Arsenic	22.4	0.20	0.50	ug/L	20.0	0.532	109	70-130	0.131	20	
Barium	22.0	0.050	0.50	ug/L	20.0	ND	110	70-130	0.912	20	
Beryllium	22.0	0.020	0.10	ug/L	20.0	ND	110	70-130	2.08	20	
Boron	125	6.0	50	ug/L	100	ND	125	70-130	0.653	20	
Cadmium	21.9	0.050	0.10	ug/L	20.0	ND	110	70-130	1.61	20	
Chromium	22.4	0.080	0.50	ug/L	20.0	ND	112	70-130	0.886	20	
Cobalt	22.8	0.010	0.10	ug/L	20.0	ND	114	70-130	1.52	20	
Copper	22.1	0.050	0.50	ug/L	20.0	0.393	109	70-130	0.428	20	
Iron	608	2.0	50	ug/L	520	ND	117	70-130	1.43	20	
Lead	21.8	0.020	0.25	ug/L	20.0	ND	109	70-130	0.556	20	
Manganese	22.1	0.050	5.0	ug/L	20.0	ND	110	70-130	0.393	20	
Molybdenum	21.4	0.020	0.25	ug/L	20.0	ND	107	70-130	0.0488	20	
Nickel	19.6	0.060	0.50	ug/L	20.0	ND	98.1	70-130	0.0574	20	
Selenium	22.4	0.20	2.0	ug/L	20.0	ND	112	70-130	0.543	20	
Silver	22.0	0.050	0.10	ug/L	20.0	ND	110	70-130	2.07	20	
Thallium	22.2	0.050	0.10	ug/L	20.0	ND	111	70-130	0.573	20	
Vanadium	22.3	0.50	1.0	ug/L	20.0	ND	111	70-130	1.67	20	
Zinc	110	0.50	5.0	ug/L	100	2.88	107	70-130	0.931	20	

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Sample Traps, LLC
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Anions by EPA Method 300.0 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AF73577 - General Preparation

Blank (AF73577-BLK1)

Prepared & Analyzed: 06/15/17

Fluoride	ND	0.070	0.10	mg/L							U
Sulfate as SO4	ND	0.20	0.50	mg/L							U
Nitrite as NO2	ND	0.20	1.0	mg/L							U
Nitrate as NO3	ND	0.20	1.0	mg/L							U

LCS (AF73577-BS1)

Prepared & Analyzed: 06/15/17

Nitrate as NO3	23	0.20	1.0	mg/L	22.2		102	90-110			
Nitrite as NO2	16.0	0.20	1.0	mg/L	16.4		97.4	90-110			
Fluoride	5.13	0.070	0.10	mg/L	5.00		103	90-110			
Sulfate as SO4	20.0	0.20	0.50	mg/L	20.0		100	90-110			

Duplicate (AF73577-DUP1)

Source: 17F1486-01

Prepared & Analyzed: 06/15/17

Nitrite as NO2	ND	0.20	1.0	mg/L		ND			20		U
Sulfate as SO4	ND	0.20	0.50	mg/L		ND			20		U
Nitrate as NO3	ND	0.20	1.0	mg/L		ND			20		U
Fluoride	ND	0.070	0.10	mg/L		ND			20		U

Matrix Spike (AF73577-MS1)

Source: 17F1486-01

Prepared & Analyzed: 06/15/17

Nitrite as NO2	16.7	0.20	1.0	mg/L	18.2	ND	91.9	80-120			
Nitrate as NO3	24	0.20	1.0	mg/L	24.7	ND	98.0	80-120			
Sulfate as SO4	21.3	0.20	0.50	mg/L	22.2	ND	95.8	80-120			
Fluoride	5.48	0.070	0.10	mg/L	5.56	ND	98.6	80-120			

Matrix Spike (AF73577-MS2)

Source: 17F1499-05

Prepared & Analyzed: 06/15/17

Sulfate as SO4	25.8	1.0	2.5	mg/L	22.2	5.42	91.8	80-120			
Fluoride	5.83	0.35	0.50	mg/L	5.56	ND	105	80-120			
Nitrite as NO2	17.6	1.0	5.0	mg/L	18.2	ND	96.5	80-120			
Nitrate as NO3	34	1.0	5.0	mg/L	24.7	9.2	99.5	80-120			



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Sample Traps, LLC
6398 Dougherty Road, Suite 36
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Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Anions by EPA Method 300.0 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AF73577 - General Preparation

Matrix Spike Dup (AF73577-MSD1)

Source: 17F1486-01

Prepared & Analyzed: 06/15/17

Sulfate as SO4	24.5	0.20	0.50	mg/L	22.2	ND	110	80-120	13.9	20	
Nitrate as NO3	28	0.20	1.0	mg/L	24.7	ND	112	80-120	13.3	20	
Fluoride	6.25	0.070	0.10	mg/L	5.56	ND	112	80-120	13.2	20	
Nitrite as NO2	19.1	0.20	1.0	mg/L	18.2	ND	105	80-120	13.4	20	



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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 16oz WM Poly
Project Number: Lot Number K7164CUCS

Reported:
06/27/17 15:45

Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- U Analyte included in analysis, but not detected at or above MDL.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- MDL Method detection limit
- Rec Recovery
- RPD Relative Percent Difference

