



Alpha

Alpha Analytical Laboratories, Inc.

email: clientservices@alpha-labs.com

Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

12 August 2019

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 8oz WM Poly

Work Order: 19G3119

Enclosed are the results of analyses for samples received by the laboratory on 07/29/19 08:00. 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
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 8oz WM Poly
Project Number: Lot Number I9205CUCS

Reported:
08/12/19 10:43

Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | T: 925-828-6226 | F: 925-828-6309 | ELAP# 2728
Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | T: 916-686-5190 | F: 916-686-5192 | ELAP# 2922
North Bay: 110 Liberty Street | Petaluma, CA 94952 | T: 707-769-3128 | F: 707-769-8093 | ELAP# 2303
San Diego Service Center: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | T: 760-930-2555 | F: 760-930-2510

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
I9205CUCS	19G3119-01	Water	07/29/19 00:00	07/29/19 08:00



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 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 8oz WM Poly
 Project Number: Lot Number I9205CUCS

Reported:
 08/12/19 10:43

Metals (Drinking Water) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
I9205CUCS (19G3119-01) Water Sampled: 07/29/19 00:00 Received: 07/29/19 08:00												
Calcium	ND	0.080	1.0		mg/L	1	AG94545	08/01/19 08:00	08/07/19 14:21	EPA 200.7	MAM	U
Magnesium	ND	0.030	1.0		mg/L	1	AG94545	08/01/19 08:00	08/07/19 14:21	EPA 200.7	MAM	U
Potassium	ND	0.090	1.0		mg/L	1	AG94545	08/01/19 08:00	08/07/19 14:21	EPA 200.7	MAM	U
Sodium	ND	0.40	1.0		mg/L	1	AG94545	08/01/19 08:00	08/07/19 14:21	EPA 200.7	MAM	U



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262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 8oz WM Poly
Project Number: Lot Number I9205CUCS

Reported:
08/12/19 10:43

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit	Units							

I9205CUCS (19G3119-01) Water **Sampled: 07/29/19 00:00** **Received: 07/29/19 08:00**

Mercury	ND	0.020	0.020	ug/L	1	AH93374	08/07/19 06:16	08/08/19 13:23	EPA 245.1	LMR	U
Tin	ND	0.050	0.050	mg/L	1	AG94545	08/01/19 08:00	08/07/19 14:21	EPA 200.7	MAM	U



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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 8oz WM Poly
 Project Number: Lot Number I9205CUCS

Reported:
 08/12/19 10:43

Metals by EPA Method 200.8 ICP/MS

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
I9205CUCS (19G3119-01) Water Sampled: 07/29/19 00:00 Received: 07/29/19 08:00												
Aluminum	ND	5.0	10		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Antimony	ND	0.20	0.50		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Arsenic	ND	0.40	0.50		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Barium	ND	0.20	0.50		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Beryllium	ND	0.050	0.10		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Boron	ND	20	50		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Cadmium	ND	0.060	0.10		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Chromium	ND	0.50	0.50		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Cobalt	ND	0.10	0.10		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Copper	ND	0.40	0.50		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Iron	ND	10	50		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Lead	ND	0.060	0.25		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Manganese	ND	2.0	5.0		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Molybdenum	ND	0.070	0.25		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Nickel	ND	0.30	0.50		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Selenium	ND	0.30	2.0		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Silver	ND	0.050	0.10		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Thallium	ND	0.050	0.10		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Vanadium	ND	0.50	1.0		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U
Zinc	ND	4.0	5.0		ug/L	1	AG94544	08/01/19 08:00	08/02/19 12:34	EPA 200.8	SMP	U

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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 8oz WM Poly
 Project Number: Lot Number I9205CUCS

Reported:
 08/12/19 10:43

Anions by EPA Method 300.0

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									

I9205CUCS (19G3119-01) Water **Sampled: 07/29/19 00:00** **Received: 07/29/19 08:00**

Fluoride	ND	0.070	0.10	mg/L	1	AH93199	08/02/19 13:36	08/02/19 13:36	EPA 300.0	SMS	U
Nitrate as NO3	ND	0.20	1.0	mg/L	1	AH93199	08/02/19 13:36	08/02/19 13:36	EPA 300.0	SMS	T-15, U
Nitrite as NO2	ND	0.20	1.0	mg/L	1	AH93199	08/02/19 13:36	08/02/19 13:36	EPA 300.0	SMS	T-15, U
Sulfate as SO4	ND	0.20	0.50	mg/L	1	AH93199	08/02/19 13:36	08/02/19 13:36	EPA 300.0	SMS	U



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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 8oz WM Poly Project Number: Lot Number I9205CUCS	Reported: 08/12/19 10:43
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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 AG94545 - Metals Digest

Blank (AG94545-BLK1)											
						Prepared: 07/31/19 Analyzed: 08/02/19					
Calcium	ND	0.080	1.0	mg/L							U
Magnesium	ND	0.030	1.0	mg/L							U
Potassium	ND	0.090	1.0	mg/L							U
Sodium	ND	0.40	1.0	mg/L							U

LCS (AG94545-BS1)											
						Prepared: 07/31/19 Analyzed: 08/02/19					
Calcium	7.30	0.080	1.0	mg/L	7.27		100	85-115			
Magnesium	7.31	0.030	1.0	mg/L	7.27		101	85-115			
Potassium	7.24	0.090	1.0	mg/L	7.27		99.5	85-115			
Sodium	7.60	0.40	1.0	mg/L	7.27		105	85-115			

Duplicate (AG94545-DUP1)											
			Source: 19G3042-01			Prepared: 07/31/19 Analyzed: 08/02/19					
Calcium	45.9	0.080	1.0	mg/L		44.9			2.12	20	
Magnesium	9.61	0.030	1.0	mg/L		9.23			4.01	20	
Potassium	1.72	0.090	1.0	mg/L		1.68			2.45	20	
Sodium	28.4	0.40	1.0	mg/L		27.7			2.84	20	

Matrix Spike (AG94545-MS1)											
			Source: 19G3042-01			Prepared: 07/31/19 Analyzed: 08/02/19					
Calcium	53.4	0.080	1.0	mg/L	7.27	44.9	117	70-130			
Magnesium	17.4	0.030	1.0	mg/L	7.27	9.23	112	70-130			
Potassium	8.98	0.090	1.0	mg/L	7.27	1.68	100	70-130			
Sodium	35.0	0.40	1.0	mg/L	7.27	27.7	102	70-130			

Matrix Spike (AG94545-MS2)											
			Source: 19G3427-01			Prepared: 07/31/19 Analyzed: 08/02/19					
Calcium	48.7	0.080	1.0	mg/L	7.27	41.4	101	70-130			
Magnesium	11.0	0.030	1.0	mg/L	7.27	3.56	103	70-130			
Potassium	31.5	0.090	1.0	mg/L	7.27	24.3	98.8	70-130			
Sodium	123	0.40	1.0	mg/L	7.27	117	90.1	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 8oz WM Poly Project Number: Lot Number I9205CUCS	Reported: 08/12/19 10:43
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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 AG94545 - Metals Digest

Matrix Spike Dup (AG94545-MSD1)	Source: 19G3042-01		Prepared: 07/31/19 Analyzed: 08/02/19								
Calcium	54.5	0.080	1.0	mg/L	7.27	44.9	132	70-130	1.98	20	QM-4X
Magnesium	17.5	0.030	1.0	mg/L	7.27	9.23	113	70-130	0.443	20	
Potassium	9.12	0.090	1.0	mg/L	7.27	1.68	102	70-130	1.61	20	
Sodium	35.9	0.40	1.0	mg/L	7.27	27.7	113	70-130	2.45	20	

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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 AG94545 - Metals Digest

Blank (AG94545-BLK1)					Prepared: 07/31/19 Analyzed: 08/02/19						
Tin	ND	0.050	0.050	mg/L							U
LCS (AG94545-BS1)					Prepared: 07/31/19 Analyzed: 08/02/19						
Tin	0.184	0.050	0.050	mg/L	0.182		101	85-115			
Duplicate (AG94545-DUP1)					Source: 19G3042-01 Prepared: 07/31/19 Analyzed: 08/02/19						
Tin	ND	0.050	0.050	mg/L		ND				20	U
Matrix Spike (AG94545-MS1)					Source: 19G3042-01 Prepared: 07/31/19 Analyzed: 08/02/19						
Tin	0.180	0.050	0.050	mg/L	0.182	ND	99.0	70-130			
Matrix Spike (AG94545-MS2)					Source: 19G3427-01 Prepared: 07/31/19 Analyzed: 08/02/19						
Tin	0.183	0.050	0.050	mg/L	0.182	ND	101	70-130			
Matrix Spike Dup (AG94545-MSD1)					Source: 19G3042-01 Prepared: 07/31/19 Analyzed: 08/02/19						
Tin	0.181	0.050	0.050	mg/L	0.182	ND	99.4	70-130	0.389	20	

Batch AH93374 - EPA 245.1 Hg Water

Blank (AH93374-BLK1)					Prepared: 08/07/19 Analyzed: 08/08/19						
Mercury	ND	0.020	0.020	ug/L							U
LCS (AH93374-BS1)					Prepared: 08/07/19 Analyzed: 08/08/19						
Mercury	0.241	0.020	0.020	ug/L	0.250		96.4	85-115			
Duplicate (AH93374-DUP1)					Source: 19G3035-01 Prepared: 08/07/19 Analyzed: 08/08/19						
Mercury	ND	0.020	0.020	ug/L		ND				20	U

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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 AH93374 - EPA 245.1 Hg Water

Matrix Spike (AH93374-MS1)		Source: 19G3035-01			Prepared: 08/07/19 Analyzed: 08/08/19					
Mercury	0.234	0.020	0.020	ug/L	0.250	ND	93.6	70-130		
Matrix Spike (AH93374-MS2)		Source: 19G3119-01			Prepared: 08/07/19 Analyzed: 08/08/19					
Mercury	0.250	0.020	0.020	ug/L	0.250	ND	100	70-130		
Matrix Spike Dup (AH93374-MSD1)		Source: 19G3035-01			Prepared: 08/07/19 Analyzed: 08/08/19					
Mercury	0.236	0.020	0.020	ug/L	0.250	ND	94.4	70-130	0.851	20

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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 AG94544 - EPA 200.8

Blank (AG94544-BLK1)

Prepared: 07/31/19 Analyzed: 08/01/19

Aluminum	ND	5.0	10	ug/L							U
Antimony	ND	0.20	0.50	ug/L							U
Arsenic	ND	0.40	0.50	ug/L							U
Barium	ND	0.20	0.50	ug/L							U
Beryllium	ND	0.050	0.10	ug/L							U
Boron	ND	20	50	ug/L							U
Cadmium	ND	0.060	0.10	ug/L							U
Chromium	ND	0.50	0.50	ug/L							U
Cobalt	ND	0.10	0.10	ug/L							U
Copper	ND	0.40	0.50	ug/L							U
Iron	ND	10	50	ug/L							U
Lead	ND	0.060	0.25	ug/L							U
Manganese	ND	2.0	5.0	ug/L							U
Molybdenum	ND	0.070	0.25	ug/L							U
Nickel	ND	0.30	0.50	ug/L							U
Selenium	ND	0.30	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	4.0	5.0	ug/L							U

LCS (AG94544-BS1)

Prepared: 07/31/19 Analyzed: 08/01/19

Aluminum	499	5.0	10	ug/L	520		95.9	85-115			
Antimony	20.8	0.20	0.50	ug/L	20.0		104	85-115			
Arsenic	20.3	0.40	0.50	ug/L	20.0		102	85-115			
Barium	19.4	0.20	0.50	ug/L	20.0		97.2	85-115			
Beryllium	20.4	0.050	0.10	ug/L	20.0		102	85-115			
Boron	99.1	20	50	ug/L	100		99.1	85-115			
Cadmium	20.6	0.060	0.10	ug/L	20.0		103	85-115			
Chromium	20.2	0.50	0.50	ug/L	20.0		101	85-115			
Cobalt	20.2	0.10	0.10	ug/L	20.0		101	85-115			
Copper	20.9	0.40	0.50	ug/L	20.0		104	85-115			
Iron	507	10	50	ug/L	520		97.5	85-115			
Lead	20.3	0.060	0.25	ug/L	20.0		101	85-115			
Manganese	18.8	2.0	5.0	ug/L	20.0		94.2	85-115			
Molybdenum	20.4	0.070	0.25	ug/L	20.0		102	85-115			
Nickel	20.4	0.30	0.50	ug/L	20.0		102	85-115			

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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 AG94544 - EPA 200.8

LCS (AG94544-BS1)

Prepared: 07/31/19 Analyzed: 08/01/19

Selenium	21.0	0.30	2.0	ug/L	20.0		105	85-115			
Silver	20.1	0.050	0.10	ug/L	20.0		101	85-115			
Thallium	19.9	0.050	0.10	ug/L	20.0		99.7	85-115			
Vanadium	20.2	0.50	1.0	ug/L	20.0		101	85-115			
Zinc	98.1	4.0	5.0	ug/L	100		98.1	85-115			

Duplicate (AG94544-DUP1)

Source: 19G3139-03

Prepared: 07/31/19 Analyzed: 08/01/19

Aluminum	ND	20	40	ug/L		ND			20		R-01, U
Antimony	ND	0.80	2.0	ug/L		ND			20		R-01, U
Arsenic	2.58	1.6	2.0	ug/L		2.86			10.3	20	
Barium	8.04	0.80	2.0	ug/L		7.96			1.10	20	
Beryllium	ND	0.20	0.40	ug/L		ND				20	U, R-01
Boron	ND	80	200	ug/L		ND				20	U, R-01
Cadmium	ND	0.24	0.40	ug/L		ND				20	R-01, U
Chromium	ND	2.0	2.0	ug/L		ND				20	R-01, U
Cobalt	ND	0.40	0.40	ug/L		ND				20	R-01, U
Copper	130	1.6	2.0	ug/L		130			0.459	20	
Iron	367	40	200	ug/L		360			1.88	20	
Lead	0.554	0.24	1.0	ug/L		0.541			2.36	20	R-01, J
Manganese	ND	8.0	20	ug/L		ND				20	R-01, U
Molybdenum	0.801	0.28	1.0	ug/L		0.758			5.46	20	R-01, J
Nickel	ND	1.2	2.0	ug/L		ND				20	R-01, U
Selenium	ND	1.2	8.0	ug/L		ND				20	R-01, U
Silver	ND	0.20	0.40	ug/L		ND				20	R-01, U
Thallium	ND	0.20	0.40	ug/L		ND				20	R-01, U
Vanadium	2.53	2.0	4.0	ug/L		2.58			1.67	20	R-01, J
Zinc	22.1	16	20	ug/L		21.5			3.05	20	



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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 8oz WM Poly Project Number: Lot Number I9205CUCS	Reported: 08/12/19 10:43
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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 AG94544 - EPA 200.8

MRL Check (AG94544-MRL1)

Prepared: 07/31/19 Analyzed: 08/01/19

Silver	0.115	0.050	0.10	ug/L	0.160		71.8	0-200			
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Matrix Spike (AG94544-MS1)

Source: 19G3139-03

Prepared: 07/31/19 Analyzed: 08/01/19

Aluminum	506	20	40	ug/L	520	ND	97.2	70-130			
Antimony	21.1	0.80	2.0	ug/L	20.0	ND	105	70-130			
Arsenic	22.0	1.6	2.0	ug/L	20.0	2.86	95.6	70-130			
Barium	27.8	0.80	2.0	ug/L	20.0	7.96	99.3	70-130			
Beryllium	20.2	0.20	0.40	ug/L	20.0	ND	101	70-130			
Boron	140	80	200	ug/L	100	ND	140	70-130			R-01, J
Cadmium	20.6	0.24	0.40	ug/L	20.0	ND	103	70-130			
Chromium	20.2	2.0	2.0	ug/L	20.0	ND	101	70-130			
Cobalt	20.0	0.40	0.40	ug/L	20.0	ND	100	70-130			
Copper	150	1.6	2.0	ug/L	20.0	130	101	70-130			
Iron	871	40	200	ug/L	520	360	98.3	70-130			
Lead	21.1	0.24	1.0	ug/L	20.0	0.541	103	70-130			
Manganese	22.4	8.0	20	ug/L	20.0	ND	112	70-130			
Molybdenum	21.3	0.28	1.0	ug/L	20.0	0.758	103	70-130			
Nickel	21.3	1.2	2.0	ug/L	20.0	ND	107	70-130			
Selenium	20.2	1.2	8.0	ug/L	20.0	ND	101	70-130			
Silver	20.4	0.20	0.40	ug/L	20.0	ND	102	70-130			
Thallium	20.3	0.20	0.40	ug/L	20.0	ND	101	70-130			
Vanadium	22.6	2.0	4.0	ug/L	20.0	2.58	100	70-130			
Zinc	121	16	20	ug/L	100	21.5	99.1	70-130			

Matrix Spike (AG94544-MS2)

Source: 19G3035-01

Prepared: 07/31/19 Analyzed: 08/01/19

Aluminum	530	20	40	ug/L	520	20.3	98.1	70-130			
Antimony	22.2	0.80	2.0	ug/L	20.0	ND	111	70-130			
Arsenic	21.4	1.6	2.0	ug/L	20.0	ND	107	70-130			
Barium	105	0.80	2.0	ug/L	20.0	83.1	111	70-130			
Beryllium	20.2	0.20	0.40	ug/L	20.0	ND	101	70-130			
Boron	438	80	200	ug/L	100	326	112	70-130			
Cadmium	20.2	0.24	0.40	ug/L	20.0	ND	101	70-130			
Chromium	21.3	2.0	2.0	ug/L	20.0	ND	106	70-130			
Cobalt	20.8	0.40	0.40	ug/L	20.0	0.744	100	70-130			
Copper	22.9	1.6	2.0	ug/L	20.0	4.03	94.3	70-130			
Iron	651	40	200	ug/L	520	141	98.2	70-130			
Lead	20.2	0.24	1.0	ug/L	20.0	ND	101	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 8oz WM Poly Project Number: Lot Number I9205CUCS	Reported: 08/12/19 10:43
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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 AG94544 - EPA 200.8

Matrix Spike (AG94544-MS2)		Source: 19G3035-01			Prepared: 07/31/19		Analyzed: 08/01/19	
Manganese	31.9	8.0	20	ug/L	20.0	12.8	95.7	70-130
Molybdenum	22.6	0.28	1.0	ug/L	20.0	1.35	106	70-130
Nickel	25.9	1.2	2.0	ug/L	20.0	5.36	103	70-130
Selenium	20.2	1.2	8.0	ug/L	20.0	ND	101	70-130
Silver	20.1	0.20	0.40	ug/L	20.0	ND	100	70-130
Thallium	20.0	0.20	0.40	ug/L	20.0	ND	100	70-130
Vanadium	22.9	2.0	4.0	ug/L	20.0	2.12	104	70-130
Zinc	157	16	20	ug/L	100	60.4	96.2	70-130

Matrix Spike Dup (AG94544-MSD1)		Source: 19G3139-03			Prepared: 07/31/19		Analyzed: 08/01/19			
Aluminum	507	20	40	ug/L	520	ND	97.4	70-130	0.179	20
Antimony	21.5	0.80	2.0	ug/L	20.0	ND	108	70-130	2.16	20
Arsenic	22.3	1.6	2.0	ug/L	20.0	2.86	97.2	70-130	1.39	20
Barium	27.7	0.80	2.0	ug/L	20.0	7.96	98.7	70-130	0.437	20
Beryllium	20.6	0.20	0.40	ug/L	20.0	ND	103	70-130	1.86	20
Boron	138	80	200	ug/L	100	ND	138	70-130	1.18	20
Cadmium	20.6	0.24	0.40	ug/L	20.0	ND	103	70-130	0.104	20
Chromium	20.2	2.0	2.0	ug/L	20.0	ND	101	70-130	0.0882	20
Cobalt	20.0	0.40	0.40	ug/L	20.0	ND	100	70-130	0.0737	20
Copper	151	1.6	2.0	ug/L	20.0	130	104	70-130	0.333	20
Iron	878	40	200	ug/L	520	360	99.7	70-130	0.825	20
Lead	21.1	0.24	1.0	ug/L	20.0	0.541	103	70-130	0.158	20
Manganese	22.5	8.0	20	ug/L	20.0	ND	113	70-130	0.479	20
Molybdenum	21.5	0.28	1.0	ug/L	20.0	0.758	104	70-130	0.850	20
Nickel	21.3	1.2	2.0	ug/L	20.0	ND	106	70-130	0.411	20
Selenium	20.5	1.2	8.0	ug/L	20.0	ND	103	70-130	1.80	20
Silver	20.3	0.20	0.40	ug/L	20.0	ND	101	70-130	0.304	20
Thallium	20.3	0.20	0.40	ug/L	20.0	ND	101	70-130	0.0617	20
Vanadium	22.4	2.0	4.0	ug/L	20.0	2.58	99.0	70-130	0.869	20
Zinc	122	16	20	ug/L	100	21.5	100	70-130	0.945	20

R-01, J

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 8oz WM Poly Project Number: Lot Number I9205CUCS	Reported: 08/12/19 10:43
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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 AH93199 - EPA 300.0

Blank (AH93199-BLK1)											Prepared & Analyzed: 08/02/19	
Fluoride	ND	0.070	0.10	mg/L							U	
Sulfate as SO4	ND	0.20	0.50	mg/L							U	
Nitrate as NO3	ND	0.20	1.0	mg/L							U	
Nitrite as NO2	ND	0.20	1.0	mg/L							U	

LCS (AH93199-BS1)											Prepared & Analyzed: 08/02/19	
Fluoride	5.35	0.070	0.10	mg/L	5.56		96.4	90-110				
Nitrate as NO3	24	0.20	1.0	mg/L	24.7		98.1	90-110				
Nitrite as NO2	18.7	0.20	1.0	mg/L	18.2		102	90-110				
Sulfate as SO4	21.0	0.20	0.50	mg/L	22.2		94.7	90-110				

Duplicate (AH93199-DUP1)											Source: 19H0173-03		Prepared & Analyzed: 08/02/19	
Nitrate as NO3	ND	0.20	1.0	mg/L		ND				20	U			
Nitrite as NO2	ND	0.20	1.0	mg/L		ND				20	U			
Sulfate as SO4	105	2.0	5.0	mg/L		105			0.352	20				
Fluoride	0.292	0.070	0.10	mg/L		0.293			0.342	20				

Matrix Spike (AH93199-MS1)											Source: 19H0173-03		Prepared & Analyzed: 08/06/19	
Sulfate as SO4	131	2.0	5.0	mg/L	22.2	105	117	80-120						
Fluoride	5.46	0.70	1.0	mg/L	5.56	ND	98.2	80-120						
Nitrate as NO3	22	2.0	10	mg/L	24.7	ND	88.9	80-120						
Nitrite as NO2	17.3	2.0	10	mg/L	18.2	ND	95.1	80-120						

Matrix Spike Dup (AH93199-MSD1)											Source: 19H0173-03		Prepared & Analyzed: 08/06/19	
Nitrate as NO3	22	2.0	10	mg/L	24.7	ND	88.4	80-120	0.508	20				
Fluoride	5.33	0.70	1.0	mg/L	5.56	ND	96.0	80-120	2.27	20				
Sulfate as SO4	130	2.0	5.0	mg/L	22.2	105	112	80-120	0.825	20				
Nitrite as NO2	16.8	2.0	10	mg/L	18.2	ND	92.3	80-120	3.00	20				

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 8oz WM Poly
Project Number: Lot Number I9205CUCS

Reported:
08/12/19 10:43

Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- P-02 Sample acidified to pH <2 and allowed to sit 24 hours before further processing.
- 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.
- R-01 The Reporting Limit for this analyte has been raised to account for matrix interference.
- T-15 Bottled water sample prepared immediately after opening.
- 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



Laboratory & Corporate: 208 Mason Street, Ukiah, CA 95482
707-468-0401 Fax: 707-468-5267

Service Center & Micro Lab: 6398 Dougherty Rd, Ste 35, Dublin, CA 94568
925-828-6226 Fax: 925-828-6309

Chain of Custody Record

Reports and Invoices will be delivered by email in .pdf format.

Lab No. 1963119 Page of

Report to:		Invoice to (if different):		Project Info for Report:		Signature below authorizes work under terms stated on reverse side.																																																																																																																																												
Company: Sample Traps LLC		Company:		Project ID: QC- 8oz WM poly		<table border="1"> <thead> <tr> <th colspan="13">Analyses Requested</th> <th>TAT</th> <th rowspan="5">Lab Approval Required For Rush TATs</th> <th>Sample Notes (lab use only)</th> </tr> <tr> <td colspan="13" rowspan="4"></td> <td>10 days <input checked="" type="radio"/></td> <td rowspan="2">Temperature: deg. C</td> </tr> <tr> <td>RUSH: 5 days <input type="radio"/></td> <td rowspan="2">Shipment Method:</td> </tr> <tr> <td>48 hours <input type="radio"/></td> <td rowspan="2">Custody Seals: Y / N</td> </tr> <tr> <td>Other: __ days <input type="radio"/></td> <td></td> </tr> <tr> <td colspan="13"></td> <td colspan="2">Sample Notes or CDPH Source Numbers:</td> </tr> </thead> <tbody> <tr> <td colspan="2">Attn: Quality Control Manager</td> <td colspan="2">Attn:</td> <td colspan="2">Project No: Lot Number I9205CUCS</td> <td colspan="13"></td> </tr> <tr> <td colspan="2">Address:</td> <td colspan="2">Address:</td> <td colspan="2">PO/Reference :</td> <td colspan="13"></td> </tr> <tr> <td colspan="2">Phone/Fax:</td> <td colspan="2">Phone/Fax:</td> <td colspan="2"></td> <td colspan="13"></td> </tr> <tr> <td colspan="2">Email Address: admin@sampletraps.com</td> <td colspan="2">Email Address:</td> <td colspan="2"></td> <td colspan="13"></td> </tr> </tbody> </table>													Analyses Requested													TAT	Lab Approval Required For Rush TATs	Sample Notes (lab use only)														10 days <input checked="" type="radio"/>	Temperature: deg. C	RUSH: 5 days <input type="radio"/>	Shipment Method:	48 hours <input type="radio"/>	Custody Seals: Y / N	Other: __ days <input type="radio"/>															Sample Notes or CDPH Source Numbers:		Attn: Quality Control Manager		Attn:		Project No: Lot Number I9205CUCS															Address:		Address:		PO/Reference :															Phone/Fax:		Phone/Fax:																	Email Address: admin@sampletraps.com		Email Address:																
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Email Address: admin@sampletraps.com		Email Address:																																																																																																																																																

Samplers Signature: N/A
Print:

Sample Identification	Sampled:		Container:				Preservative:				Matrix:		Total Number of Containers	Sample Traps Inorganics	Include MDL J-flags			
	Date	Time	40ml VOA	Poly	Glass bottle	Glass Jar	HCL	Methanol	Na Bisulfate	Other	Note	Water				Container		
I9205CUCS	x	x		x										x	x	6	x	x

Relinquished by: <u>Per Livermore</u>	Received by: <u>[Signature]</u>	Date: <u>7-29-19</u>	Time: <u>0800</u>

CDPH Write On EDT Transmission? <input type="radio"/> Yes <input type="radio"/> No
State System Number: _____ If "Y" please enter the Source Number(s) in the column above
CA Geotracker EDF Report? <input type="radio"/> Yes <input type="radio"/> No
Global ID: _____ Sampling Company Log Code: _____
EDF to (Email Address): _____
Travel and Site Time: _____ Mileage: _____ Misc. Supplies: _____