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

18 April 2019

Sample Traps, LLC
Attn: Quality Control Manager
262 Rickenbacker Circle
Livermore, CA 94551
RE: QC- 4oz WM Poly
Work Order: 19D0922

Enclosed are the results of analyses for samples received by the laboratory on 04/05/19 08:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette Poplin

Jeanette L. Poplin For Chelsea L. Sandelin
Project Manager

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

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
P9094CUCS	19D0922-01	Water	04/05/19 00:00	04/05/19 08:30

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

Metals (Drinking Water) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
P9094CUCS (19D0922-01) Water	**Sampled: 04/05/19 00:00**		**Received: 04/05/19 08:30**								**P-02**
Calcium	ND	0.080	1.0	mg/L	1	AD93793	04/16/19 11:00	04/17/19 15:29	EPA 200.7	MAM	U
Magnesium	ND	0.030	1.0	mg/L	1	AD93793	04/16/19 11:00	04/17/19 15:29	EPA 200.7	MAM	U
Potassium	ND	0.090	1.0	mg/L	1	AD93793	04/16/19 11:00	04/17/19 15:29	EPA 200.7	MAM	U
Sodium	ND	0.40	1.0	mg/L	1	AD93793	04/16/19 11:00	04/17/19 15:29	EPA 200.7	MAM	U

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Sample Traps, LLC	Project Manager: Quality Control Manager	
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Livermore CA, 94551	Project Number: -	04/18/19 12:02

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
P9094CUCS (19D0922-01) Water Sampled: 04/05/19 00:00 Received: 04/05/19 08:30											
Mercury	ND	0.020	0.020	ug/L	1	AD93697	04/16/19 07:22	04/16/19 14:20	EPA 245.1	LMR	U
Tin	ND	0.050	0.050	mg/L	1	AD93793	04/16/19 11:00	04/17/19 15:29	EPA 200.7	MAM	U

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

Metals by EPA Method 200.8 ICP/MS

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
P9094CUCS (19D0922-01) Water Sampled: 04/05/19 00:00 Received: 04/05/19 08:30											
Aluminum	**7.1**	**5.0**	**10**	**ug/L**	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	J
Antimony	ND	0.20	0.50	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Arsenic	ND	0.40	0.50	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Barium	ND	0.20	0.50	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Beryllium	ND	0.050	0.10	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Boron	ND	20	50	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Cadmium	ND	0.060	0.10	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Chromium	ND	0.50	0.50	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Cobalt	ND	0.10	0.10	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Copper	**0.49**	**0.40**	**0.50**	**ug/L**	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	J
Iron	ND	10	50	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Lead	ND	0.060	0.25	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Manganese	ND	2.0	5.0	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Molybdenum	ND	0.070	0.25	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Nickel	**0.56**	**0.30**	**0.50**	**ug/L**	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	
Selenium	ND	0.30	2.0	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Silver	ND	0.050	0.10	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Thallium	ND	0.050	0.10	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Vanadium	ND	0.50	1.0	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U
Zinc	ND	4.0	5.0	ug/L	1	AD93407	04/09/19 11:15	04/10/19 21:49	EPA 200.8	MB	U

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

Anions by EPA Method 300.0

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
P9094CUCS (19D0922-01) Water Sampled: 04/05/19 00:00 Received: 04/05/19 08:30											
Fluoride	ND	0.070	0.10	mg/L	1	AD93370	04/08/19 13:21	04/08/19 13:21	EPA 300.0	SMS	U
Nitrate as NO3	ND	0.20	1.0	mg/L	1	AD93370	04/08/19 13:21	04/08/19 13:21	EPA 300.0	SMS	T-13, U
Nitrite as NO2	ND	0.20	1.0	mg/L	1	AD93370	04/08/19 13:21	04/08/19 13:21	EPA 300.0	SMS	T-13, U
Sulfate as SO4	ND	0.20	0.50	mg/L	1	AD93370	04/08/19 13:21	04/08/19 13:21	EPA 300.0	SMS	U

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262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

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
Batch AD93793 - Metals Digest											
Blank (AD93793-BLK1)					Prepared: 04/16/19 Analyzed: 04/17/19						
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 (AD93793-BS1)					Prepared: 04/16/19 Analyzed: 04/17/19						
Calcium	8.11	0.080	1.0	mg/L	8.00		101	85-115			
Magnesium	8.24	0.030	1.0	mg/L	8.00		103	85-115			
Potassium	7.81	0.090	1.0	mg/L	8.00		97.6	85-115			
Sodium	8.09	0.40	1.0	mg/L	8.00		101	85-115			
Duplicate (AD93793-DUP1)		**Source: 19D0827-01**			Prepared: 04/16/19 Analyzed: 04/17/19						
Calcium	76.9	0.080	1.0	mg/L		77.8			1.06	20	
Magnesium	43.5	0.030	1.0	mg/L		44.2			1.56	20	
Potassium	0.530	0.090	1.0	mg/L		0.531			0.230	20	J
Sodium	19.9	0.40	1.0	mg/L		20.3			1.87	20	
Matrix Spike (AD93793-MS1)		**Source: 19D0827-01**			Prepared: 04/16/19 Analyzed: 04/17/19						
Calcium	86.2	0.080	1.0	mg/L	8.00	77.8	105	70-130			
Magnesium	52.4	0.030	1.0	mg/L	8.00	44.2	103	70-130			
Potassium	8.72	0.090	1.0	mg/L	8.00	0.531	102	70-130			
Sodium	28.7	0.40	1.0	mg/L	8.00	20.3	105	70-130			
Matrix Spike (AD93793-MS2)		**Source: 19D1219-02**			Prepared: 04/16/19 Analyzed: 04/17/19						
Calcium	86.5	0.080	1.0	mg/L	8.00	79.5	88.1	70-130			
Magnesium	16.2	0.030	1.0	mg/L	8.00	7.73	106	70-130			
Potassium	13.1	0.090	1.0	mg/L	8.00	4.79	104	70-130			
Sodium	89.4	0.40	1.0	mg/L	8.00	82.6	85.3	70-130			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

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
Batch AD93793 - Metals Digest											
Matrix Spike Dup (AD93793-MSD1)		**Source: 19D0827-01**			Prepared: 04/16/19 Analyzed: 04/17/19						
Calcium	85.9	0.080	1.0	mg/L	8.00	77.8	102	70-130	0.301	20	
Magnesium	52.4	0.030	1.0	mg/L	8.00	44.2	102	70-130	0.0828	20	
Potassium	8.82	0.090	1.0	mg/L	8.00	0.531	104	70-130	1.22	20	
Sodium	28.5	0.40	1.0	mg/L	8.00	20.3	103	70-130	0.479	20	

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262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

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
Batch AD93697 - EPA 245.1 Hg Water											
Blank (AD93697-BLK1)					Prepared & Analyzed: 04/16/19						
Mercury	ND	0.020	0.020	ug/L							U
LCS (AD93697-BS1)					Prepared & Analyzed: 04/16/19						
Mercury	0.239	0.020	0.020	ug/L	0.250		95.6	85-115			
Duplicate (AD93697-DUP1)		**Source: 19D0486-01**			Prepared & Analyzed: 04/16/19						
Mercury	ND	0.020	0.020	ug/L		ND				20	U
Matrix Spike (AD93697-MS1)		**Source: 19D0486-01**			Prepared & Analyzed: 04/16/19						
Mercury	0.251	0.020	0.020	ug/L	0.250	ND	100	70-130			
Matrix Spike Dup (AD93697-MSD1)		**Source: 19D0486-01**			Prepared & Analyzed: 04/16/19						
Mercury	0.248	0.020	0.020	ug/L	0.250	ND	99.2	70-130	1.20	20	
Batch AD93793 - Metals Digest											
Blank (AD93793-BLK1)					Prepared: 04/16/19 Analyzed: 04/17/19						
Tin	ND	0.050	0.050	mg/L							U
LCS (AD93793-BS1)					Prepared: 04/16/19 Analyzed: 04/17/19						
Tin	0.198	0.050	0.050	mg/L	0.200		99.1	85-115			
Duplicate (AD93793-DUP1)		**Source: 19D0827-01**			Prepared: 04/16/19 Analyzed: 04/17/19						
Tin	ND	0.050	0.050	mg/L		ND				20	U
Matrix Spike (AD93793-MS1)		**Source: 19D0827-01**			Prepared: 04/16/19 Analyzed: 04/17/19						
Tin	0.199	0.050	0.050	mg/L	0.200	ND	99.5	70-130			

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262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

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
Batch AD93793 - Metals Digest											
Matrix Spike (AD93793-MS2)		**Source: 19D1219-02**			Prepared: 04/16/19 Analyzed: 04/17/19						
Tin	0.198	0.050	0.050	mg/L	0.200	ND	99.1	70-130			
Matrix Spike Dup (AD93793-MSD1)		**Source: 19D0827-01**			Prepared: 04/16/19 Analyzed: 04/17/19						
Tin	0.202	0.050	0.050	mg/L	0.200	ND	101	70-130	1.50	20	

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Livermore CA, 94551	Project Number: -	04/18/19 12:02

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
Batch AD93407 - EPA 200.8											
Blank (AD93407-BLK1)					Prepared: 04/09/19 Analyzed: 04/10/19						
Aluminum	8.54	5.0	10	ug/L							J
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	0.0955	0.060	0.25	ug/L							J
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	0.0626	0.050	0.10	ug/L							J
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 (AD93407-BS1)					Prepared: 04/09/19 Analyzed: 04/10/19						
Aluminum	575	5.0	10	ug/L	520		111	85-115			
Antimony	20.9	0.20	0.50	ug/L	20.0		105	85-115			
Arsenic	21.0	0.40	0.50	ug/L	20.0		105	85-115			
Barium	20.6	0.20	0.50	ug/L	20.0		103	85-115			
Beryllium	22.6	0.050	0.10	ug/L	20.0		113	85-115			
Boron	110	20	50	ug/L	100		110	85-115			
Cadmium	21.3	0.060	0.10	ug/L	20.0		106	85-115			
Chromium	20.7	0.50	0.50	ug/L	20.0		103	85-115			
Cobalt	20.8	0.10	0.10	ug/L	20.0		104	85-115			
Copper	18.9	0.40	0.50	ug/L	20.0		94.4	85-115			
Iron	523	10	50	ug/L	520		101	85-115			
Lead	21.1	0.060	0.25	ug/L	20.0		106	85-115			
Manganese	21.9	2.0	5.0	ug/L	20.0		109	85-115			
Molybdenum	18.6	0.070	0.25	ug/L	20.0		93.1	85-115			
Nickel	21.5	0.30	0.50	ug/L	20.0		107	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
Batch AD93407 - EPA 200.8											
LCS (AD93407-BS1)					Prepared: 04/09/19 Analyzed: 04/10/19						
Selenium	22.2	0.30	2.0	ug/L	20.0		111	85-115			
Silver	19.2	0.050	0.10	ug/L	20.0		96.2	85-115			
Thallium	21.1	0.050	0.10	ug/L	20.0		106	85-115			
Vanadium	20.6	0.50	1.0	ug/L	20.0		103	85-115			
Zinc	101	4.0	5.0	ug/L	100		101	85-115			
Duplicate (AD93407-DUP1)		**Source: 19D0284-01**			Prepared: 04/09/19 Analyzed: 04/10/19						
Aluminum	77.8	20	40	ug/L		78.5			0.845	20	
Antimony	3.44	0.80	2.0	ug/L		2.89			17.2	20	
Arsenic	5.03	1.6	2.0	ug/L		5.13			2.06	20	
Barium	60.3	0.80	2.0	ug/L		60.2			0.0804	20	
Beryllium	ND	0.20	0.40	ug/L		ND				20	R-01, U
Boron	278	80	200	ug/L		279			0.683	20	
Cadmium	0.655	0.24	0.40	ug/L		0.726			10.3	20	
Chromium	13.6	2.0	2.0	ug/L		13.0			4.75	20	
Cobalt	1.67	0.40	0.40	ug/L		1.61			3.78	20	
Copper	3620	1.6	2.0	ug/L		3630			0.239	20	
Iron	42300	40	200	ug/L		38200			10.2	20	
Lead	98.2	0.24	1.0	ug/L		95.1			3.20	20	
Manganese	202	8.0	20	ug/L		184			9.34	20	
Molybdenum	3.97	0.28	1.0	ug/L		3.63			9.08	20	
Nickel	8.63	1.2	2.0	ug/L		7.98			7.86	20	
Selenium	ND	1.2	8.0	ug/L		ND				20	R-01, U
Silver	1.12	0.20	0.40	ug/L		0.953			15.7	20	
Thallium	ND	0.20	0.40	ug/L		ND				20	R-01, U
Vanadium	ND	2.0	4.0	ug/L		ND				20	R-01, U
Zinc	177	16	20	ug/L		176			0.553	20	

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262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

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
Batch AD93407 - EPA 200.8											
Matrix Spike (AD93407-MS1)		**Source: 19D0284-01**			Prepared: 04/09/19 Analyzed: 04/10/19						
Aluminum	580	20	40	ug/L	520	78.5	96.5	70-130			
Antimony	24.2	0.80	2.0	ug/L	20.0	2.89	107	70-130			
Arsenic	24.3	1.6	2.0	ug/L	20.0	5.13	96.0	70-130			
Barium	78.5	0.80	2.0	ug/L	20.0	60.2	91.3	70-130			
Beryllium	20.0	0.20	0.40	ug/L	20.0	ND	99.9	70-130			
Boron	351	80	200	ug/L	100	279	71.6	70-130			
Cadmium	22.1	0.24	0.40	ug/L	20.0	0.726	107	70-130			
Chromium	32.6	2.0	2.0	ug/L	20.0	13.0	98.0	70-130			
Cobalt	21.6	0.40	0.40	ug/L	20.0	1.61	100	70-130			
Copper	3620	1.6	2.0	ug/L	20.0	3630	NR	70-130			QM-4X
Iron	38200	40	200	ug/L	520	38200	3.39	70-130			QM-4X
Lead	113	0.24	1.0	ug/L	20.0	95.1	92.0	70-130			
Manganese	202	8.0	20	ug/L	20.0	184	89.8	70-130			
Molybdenum	25.4	0.28	1.0	ug/L	20.0	3.63	109	70-130			
Nickel	28.5	1.2	2.0	ug/L	20.0	7.98	103	70-130			
Selenium	20.4	1.2	8.0	ug/L	20.0	ND	102	70-130			
Silver	21.8	0.20	0.40	ug/L	20.0	0.953	104	70-130			
Thallium	20.3	0.20	0.40	ug/L	20.0	ND	102	70-130			
Vanadium	20.0	2.0	4.0	ug/L	20.0	ND	99.9	70-130			
Zinc	269	16	20	ug/L	100	176	93.2	70-130			
Matrix Spike (AD93407-MS2)		**Source: 19D0840-01**			Prepared: 04/09/19 Analyzed: 04/10/19						
Aluminum	1090	5.0	10	ug/L	520	488	117	70-130			
Antimony	22.2	0.20	0.50	ug/L	20.0	0.387	109	70-130			
Arsenic	26.1	0.40	0.50	ug/L	20.0	3.20	114	70-130			
Barium	116	0.20	0.50	ug/L	20.0	92.1	119	70-130			
Beryllium	19.9	0.050	0.10	ug/L	20.0	ND	99.3	70-130			
Boron	338	20	50	ug/L	100	231	106	70-130			
Cadmium	22.6	0.060	0.10	ug/L	20.0	0.143	112	70-130			
Chromium	25.4	0.50	0.50	ug/L	20.0	2.62	114	70-130			
Cobalt	25.0	0.10	0.10	ug/L	20.0	0.693	122	70-130			
Copper	49.4	0.40	0.50	ug/L	20.0	27.9	107	70-130			
Iron	1230	10	50	ug/L	520	692	103	70-130			
Lead	22.0	0.060	0.25	ug/L	20.0	1.24	104	70-130			
Manganese	119	2.0	5.0	ug/L	20.0	95.4	118	70-130			
Molybdenum	27.5	0.070	0.25	ug/L	20.0	1.89	128	70-130			
Nickel	30.3	0.30	0.50	ug/L	20.0	6.27	120	70-130			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

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
Batch AD93407 - EPA 200.8											
Matrix Spike (AD93407-MS2)		**Source: 19D0840-01**			Prepared: 04/09/19 Analyzed: 04/10/19						
Selenium	22.4	0.30	2.0	ug/L	20.0	0.900	108	70-130			
Silver	22.7	0.050	0.10	ug/L	20.0	0.209	112	70-130			
Thallium	21.1	0.050	0.10	ug/L	20.0	ND	105	70-130			
Vanadium	31.7	0.50	1.0	ug/L	20.0	7.83	120	70-130			
Zinc	196	4.0	5.0	ug/L	100	94.3	101	70-130			
Matrix Spike Dup (AD93407-MSD1)		**Source: 19D0284-01**			Prepared: 04/09/19 Analyzed: 04/10/19						
Aluminum	573	20	40	ug/L	520	78.5	95.2	70-130	1.16	20	
Antimony	23.6	0.80	2.0	ug/L	20.0	2.89	104	70-130	2.47	20	
Arsenic	23.1	1.6	2.0	ug/L	20.0	5.13	89.8	70-130	5.18	20	
Barium	77.7	0.80	2.0	ug/L	20.0	60.2	87.7	70-130	0.938	20	
Beryllium	19.9	0.20	0.40	ug/L	20.0	ND	99.3	70-130	0.634	20	
Boron	344	80	200	ug/L	100	279	64.8	70-130	1.96	20	QM-01
Cadmium	21.7	0.24	0.40	ug/L	20.0	0.726	105	70-130	1.69	20	
Chromium	32.0	2.0	2.0	ug/L	20.0	13.0	95.2	70-130	1.70	20	
Cobalt	21.4	0.40	0.40	ug/L	20.0	1.61	98.9	70-130	1.02	20	
Copper	3580	1.6	2.0	ug/L	20.0	3630	NR	70-130	1.15	20	QM-4X
Iron	38900	40	200	ug/L	520	38200	151	70-130	1.99	20	QM-4X
Lead	112	0.24	1.0	ug/L	20.0	95.1	84.1	70-130	1.40	20	
Manganese	205	8.0	20	ug/L	20.0	184	108	70-130	1.77	20	
Molybdenum	25.7	0.28	1.0	ug/L	20.0	3.63	111	70-130	1.48	20	
Nickel	28.3	1.2	2.0	ug/L	20.0	7.98	102	70-130	0.833	20	
Selenium	19.1	1.2	8.0	ug/L	20.0	ND	95.4	70-130	6.69	20	
Silver	21.8	0.20	0.40	ug/L	20.0	0.953	104	70-130	0.0484	20	
Thallium	20.0	0.20	0.40	ug/L	20.0	ND	100	70-130	1.34	20	
Vanadium	20.3	2.0	4.0	ug/L	20.0	ND	101	70-130	1.49	20	
Zinc	269	16	20	ug/L	100	176	92.6	70-130	0.223	20	

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

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
Batch AD93370 - General Preparation											
Blank (AD93370-BLK1)					Prepared & Analyzed: 04/08/19						
Fluoride	ND	0.070	0.10	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
Sulfate as SO4	ND	0.20	0.50	mg/L							U
LCS (AD93370-BS1)					Prepared & Analyzed: 04/08/19						
Nitrite as NO2	18.4	0.20	1.0	mg/L	18.2		101	90-110			
Sulfate as SO4	22.6	0.20	0.50	mg/L	22.2		102	90-110			
Nitrate as NO3	26	0.20	1.0	mg/L	24.7		104	90-110			
Fluoride	5.69	0.070	0.10	mg/L	5.56		102	90-110			
Duplicate (AD93370-DUP1)		**Source: 19D0922-01**			Prepared & Analyzed: 04/08/19						
Sulfate as SO4	ND	0.20	0.50	mg/L		ND				20	U
Nitrite as NO2	ND	0.20	1.0	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 (AD93370-MS1)		**Source: 19D0922-01**			Prepared & Analyzed: 04/08/19						
Sulfate as SO4	21.2	0.20	0.50	mg/L	22.2	ND	95.3	80-120			
Nitrite as NO2	17.3	0.20	1.0	mg/L	18.2	ND	95.0	80-120			
Nitrate as NO3	24	0.20	1.0	mg/L	24.7	ND	97.4	80-120			
Fluoride	5.40	0.070	0.10	mg/L	5.56	ND	97.3	80-120			
Matrix Spike (AD93370-MS2)		**Source: 19D0681-18**			Prepared & Analyzed: 04/08/19						
Nitrite as NO2	17.4	0.20	1.0	mg/L	18.2	ND	95.6	80-120			
Fluoride	5.64	0.070	0.10	mg/L	5.56	0.156	98.7	80-120			
Sulfate as SO4	57.6	1.0	2.5	mg/L	22.2	36.7	94.1	80-120			
Nitrate as NO3	28	0.20	1.0	mg/L	24.7	1.5	106	80-120			

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

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
Batch AD93370 - General Preparation											
Matrix Spike Dup (AD93370-MSD1)		**Source: 19D0922-01**			Prepared & Analyzed: 04/08/19						
Nitrate as NO3	25	0.20	1.0	mg/L	24.7	ND	101	80-120	3.70	20	
Fluoride	5.57	0.070	0.10	mg/L	5.56	ND	100	80-120	3.00	20	
Nitrite as NO2	18.0	0.20	1.0	mg/L	18.2	ND	98.5	80-120	3.69	20	
Sulfate as SO4	22.1	0.20	0.50	mg/L	22.2	ND	99.5	80-120	4.27	20	

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Sample Traps, LLC	Project Manager: Quality Control Manager	
262 Rickenbacker Circle	Project: QC- 4oz WM Poly	Reported:
Livermore CA, 94551	Project Number: -	04/18/19 12:02

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-01	The spike recovery for this QC sample is outside of established control limits possibly due to a sample matrix interference.
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-13	Hold time not specified in method.
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

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Chain of Custody Record

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

Lab No. 1908922 Page ____ of ____

Signature below authorizes work under terms stated on reverse side.

Report to:	Invoice to (if different):	Project Info for Report:
Company: Sample Traps LLC	Company:	Project ID: QC- 4oz WM poly
Attn: Quality Control Manager	Attn:	Project No: Lot number P9094CUCS
Address:	Address:	PO/Reference :
Phone/Fax:	Phone/Fax:	
Email Address: admin@sampletraps.com	Email Address:	

Samplers Signature: N/A

Print:

Sample Identification	Sampled: Date	Sampled: Time	Container: 40ml VOA	Container: Poly	Container: Glass bottle	Container: Glass Jar	Container:	Preservative: HCL	Preservative: Methanol	Preservative: Na Bisulfate	Preservative: Other	Preservative: None	Matrix: Water	Matrix: Container	Total Number of Containers	Analyses Requested: Sample Traps Inorganics	Analyses Requested:	Analyses Requested: include MDL j-flags	Analyses Requested:	Analyses Requested:	Analyses Requested:	Analyses Requested:	Analyses Requested:	Analyses Requested:	Analyses Requested:	Analyses Requested:	Sample Notes or CDPH Source Numbers:
P9094CUCS	x	x		x								x		x	12	x		x									

TAT: 10 days (●) RUSH: 5 days ( ) 48 hours ( ) Other: ____days ( )

Lab Approval Required For Rush TATs

Sample Notes (lab use only)

Temperature: ____ deg. C

Shipment Method:

Custody Seals: Y / N

Relinquished by:	Received by:	Date:	Time:
Per BAL		4-5-19	0830

CDPH Write On EDT Transmission? ( ) Yes ( ) No

State System Number: ____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ( ) Yes ( ) No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: Mileage: Misc. Supplies: