



Alpha

Alpha Analytical Laboratories, Inc.

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

30 March 2020

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 4oz WM Poly

Work Order: 20C1884

Enclosed are the results of analyses for samples received by the laboratory on 03/16/20 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



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

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 4oz WM Poly
Project Number: -

Reported:
03/30/20 09:11

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: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | T: 760-930-2555 | F: 760-930-2510 | ELAP# 3055

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P0070CUCS	20C1884-01	Water	03/16/20 00:00	03/16/20 08:00



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 4oz WM Poly
 Project Number: -

Reported:
 03/30/20 09:11

Metals (Drinking Water) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
P0070CUCS (20C1884-01) Water											P-02	
Sampled: 03/16/20 00:00 Received: 03/16/20 08:00												
Calcium	ND	0.080	1.0	mg/L	1	AC04226	03/19/20 13:20	03/26/20 17:49	EPA 200.7	MAM	1551	U
Magnesium	ND	0.030	1.0	mg/L	1	AC04226	03/19/20 13:20	03/26/20 17:49	EPA 200.7	MAM	1551	U
Potassium	ND	0.090	1.0	mg/L	1	AC04226	03/19/20 13:20	03/26/20 17:49	EPA 200.7	MAM	1551	U
Sodium	ND	0.40	1.0	mg/L	1	AC04226	03/19/20 13:20	03/26/20 17:49	EPA 200.7	MAM	1551	U



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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 4oz WM Poly
 Project Number: -

Reported:
 03/30/20 09:11

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
P0070CUCS (20C1884-01) Water Sampled: 03/16/20 00:00 Received: 03/16/20 08:00												
Mercury	ND	0.020	0.020	ug/L	1	AC04136	03/18/20 08:26	03/18/20 14:45	EPA 245.1	LMR	1551	U
Tin	ND	0.050	0.050	mg/L	1	AC04226	03/19/20 13:20	03/26/20 17:49	EPA 200.7	MAM	1551	U



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 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 4oz WM Poly
 Project Number: -

Reported:
 03/30/20 09:11

Metals by EPA Method 200.8 ICP/MS

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
P0070CUCS (20C1884-01) Water Sampled: 03/16/20 00:00 Received: 03/16/20 08:00												P-02
Aluminum	ND	5.0	10	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Antimony	ND	0.20	0.50	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Arsenic	ND	0.40	0.50	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Barium	ND	0.20	0.50	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Beryllium	ND	0.050	0.10	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Boron	ND	20	50	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Cadmium	ND	0.060	0.10	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Chromium	ND	0.50	0.50	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Cobalt	ND	0.10	0.10	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Copper	ND	0.40	0.50	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Iron	ND	10	50	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Lead	ND	0.060	0.25	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Manganese	ND	2.0	5.0	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Molybdenum	ND	0.070	0.25	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Nickel	ND	0.30	0.50	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Selenium	ND	0.30	2.0	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Silver	ND	0.050	0.10	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Thallium	ND	0.050	0.10	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Vanadium	ND	0.50	1.0	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U
Zinc	ND	4.0	5.0	ug/L	1	AC04284	03/23/20 10:00	03/26/20 19:14	EPA 200.8	MB	1551	U

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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 4oz WM Poly
 Project Number: -

Reported:
 03/30/20 09:11

Anions by EPA Method 300.0

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
P0070CUCS (20C1884-01) Water Sampled: 03/16/20 00:00 Received: 03/16/20 08:00												
Fluoride	ND	0.020	0.10	mg/L	1	AC03994	03/16/20 19:03	03/16/20 19:03	EPA 300.0	SMS	1551	U
Nitrate as NO3	ND	0.20	1.0	mg/L	1	AC03994	03/16/20 19:03	03/16/20 19:03	EPA 300.0	SMS	1551	U
Nitrite as NO2	ND	0.20	1.0	mg/L	1	AC03994	03/16/20 19:03	03/16/20 19:03	EPA 300.0	SMS	1551	U
Sulfate as SO4	ND	0.20	0.50	mg/L	1	AC03994	03/16/20 19:03	03/16/20 19:03	EPA 300.0	SMS	1551	U



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 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 4oz WM Poly
 Project Number: -

Reported:
 03/30/20 09:11

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 AC04226 - Metals Digest

Blank (AC04226-BLK1)

Prepared: 03/19/20 Analyzed: 03/26/20

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 (AC04226-BS1)

Prepared: 03/19/20 Analyzed: 03/26/20

Calcium	7.99	0.080	1.0	mg/L	8.00		99.8	85-115			
Magnesium	8.15	0.030	1.0	mg/L	8.00		102	85-115			
Potassium	7.39	0.090	1.0	mg/L	7.80		94.8	85-115			
Sodium	8.46	0.40	1.0	mg/L	8.00		106	85-115			

Duplicate (AC04226-DUP1)

Source: 20C1776-01

Prepared: 03/19/20 Analyzed: 03/26/20

Calcium	1.71	0.080	1.0	mg/L		1.72			0.629	20	
Magnesium	0.484	0.030	1.0	mg/L		0.493			1.88	20	J
Potassium	25.1	0.090	1.0	mg/L		25.6			2.19	20	
Sodium	822	0.40	1.0	mg/L		827			0.583	20	

Matrix Spike (AC04226-MS1)

Source: 20C1776-01

Prepared: 03/19/20 Analyzed: 03/26/20

Calcium	9.65	0.080	1.0	mg/L	8.00	1.72	99.2	70-130			
Magnesium	8.38	0.030	1.0	mg/L	8.00	0.493	98.6	70-130			
Potassium	32.7	0.090	1.0	mg/L	7.80	25.6	90.7	70-130			
Sodium	827	0.40	1.0	mg/L	8.00	827	NR	70-130			QM-4X

Matrix Spike (AC04226-MS2)

Source: 20C2310-02

Prepared: 03/19/20 Analyzed: 03/26/20

Calcium	8.54	0.080	1.0	mg/L	8.00	0.477	101	70-130			
Magnesium	8.23	0.030	1.0	mg/L	8.00	0.0767	102	70-130			
Potassium	9.93	0.090	1.0	mg/L	7.80	2.10	100	70-130			
Sodium	105	0.40	1.0	mg/L	8.00	96.5	104	70-130			



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 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 4oz WM Poly
 Project Number: -

Reported:
 03/30/20 09:11

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 AC04226 - Metals Digest

Matrix Spike Dup (AC04226-MSD1)

Source: 20C1776-01

Prepared: 03/19/20 Analyzed: 03/26/20

Calcium	9.99	0.080	1.0	mg/L	8.00	1.72	103	70-130	3.42	20	
Magnesium	8.77	0.030	1.0	mg/L	8.00	0.493	103	70-130	4.58	20	
Potassium	34.2	0.090	1.0	mg/L	7.80	25.6	110	70-130	4.58	20	
Sodium	846	0.40	1.0	mg/L	8.00	827	235	70-130	2.30	20	QM-4X



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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 4oz WM Poly Project Number: -	Reported: 03/30/20 09:11
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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 AC04136 - EPA 245.1 Hg Water

Blank (AC04136-BLK1)			Prepared & Analyzed: 03/18/20								
Mercury	ND	0.020	0.020	ug/L							U
LCS (AC04136-BS1)			Prepared & Analyzed: 03/18/20								
Mercury	0.281	0.020	0.020	ug/L	0.250		112	85-115			
Duplicate (AC04136-DUP1)			Source: 20C0462-01			Prepared & Analyzed: 03/18/20					
Mercury	0.132	0.020	0.020	ug/L		0.128			3.08	20	
Matrix Spike (AC04136-MS1)			Source: 20C0462-01			Prepared & Analyzed: 03/18/20					
Mercury	0.390	0.020	0.020	ug/L	0.250	0.128	105	70-130			
Matrix Spike Dup (AC04136-MSD1)			Source: 20C0462-01			Prepared & Analyzed: 03/18/20					
Mercury	0.387	0.020	0.020	ug/L	0.250	0.128	104	70-130	0.772	20	

Batch AC04226 - Metals Digest

Blank (AC04226-BLK1)			Prepared: 03/19/20 Analyzed: 03/26/20								
Tin	ND	0.050	0.050	mg/L							U
LCS (AC04226-BS1)			Prepared: 03/19/20 Analyzed: 03/26/20								
Tin	0.179	0.050	0.050	mg/L	0.200		89.4	85-115			
Duplicate (AC04226-DUP1)			Source: 20C1776-01			Prepared: 03/19/20 Analyzed: 03/26/20					
Tin	ND	0.050	0.050	mg/L		ND				20	U
Matrix Spike (AC04226-MS1)			Source: 20C1776-01			Prepared: 03/19/20 Analyzed: 03/26/20					
Tin	0.179	0.050	0.050	mg/L	0.200	ND	89.5	70-130			

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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 AC04226 - Metals Digest

Matrix Spike (AC04226-MS2)		Source: 20C2310-02			Prepared: 03/19/20 Analyzed: 03/26/20						
Tin	0.182	0.050	0.050	mg/L	0.200	ND	91.0	70-130			
Matrix Spike Dup (AC04226-MSD1)		Source: 20C1776-01			Prepared: 03/19/20 Analyzed: 03/26/20						
Tin	0.187	0.050	0.050	mg/L	0.200	ND	93.4	70-130	4.31	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 AC04284 - EPA 200.8

Blank (AC04284-BLK1)

Prepared: 03/23/20 Analyzed: 03/26/20

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 (AC04284-BS1)

Prepared: 03/23/20 Analyzed: 03/26/20

Aluminum	530	5.0	10	ug/L	520	102	85-115
Antimony	21.2	0.20	0.50	ug/L	20.0	106	85-115
Arsenic	21.1	0.40	0.50	ug/L	20.0	106	85-115
Barium	21.8	0.20	0.50	ug/L	20.0	109	85-115
Beryllium	22.7	0.050	0.10	ug/L	20.0	113	85-115
Boron	112	20	50	ug/L	100	112	85-115
Cadmium	20.5	0.060	0.10	ug/L	20.0	103	85-115
Chromium	20.8	0.50	0.50	ug/L	20.0	104	85-115
Cobalt	21.5	0.10	0.10	ug/L	20.0	108	85-115
Copper	21.0	0.40	0.50	ug/L	20.0	105	85-115
Iron	508	10	50	ug/L	520	97.7	85-115
Lead	22.9	0.060	0.25	ug/L	20.0	115	85-115
Manganese	21.2	2.0	5.0	ug/L	20.0	106	85-115
Molybdenum	21.4	0.070	0.25	ug/L	20.0	107	85-115
Nickel	20.5	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 AC04284 - EPA 200.8

LCS (AC04284-BS1)

Prepared: 03/23/20 Analyzed: 03/26/20

Selenium	21.6	0.30	2.0	ug/L	20.0		108	85-115			
Silver	20.7	0.050	0.10	ug/L	20.0		103	85-115			
Thallium	22.7	0.050	0.10	ug/L	20.0		114	85-115			
Vanadium	21.1	0.50	1.0	ug/L	20.0		105	85-115			
Zinc	103	4.0	5.0	ug/L	100		103	85-115			

Duplicate (AC04284-DUP1)

Source: 20C2498-03

Prepared: 03/23/20 Analyzed: 03/26/20

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	ND	1.6	2.0	ug/L		ND			20		R-01, U
Barium	15.1	0.80	2.0	ug/L		15.2			0.851	20	
Beryllium	ND	0.20	0.40	ug/L		0.211			200	20	R-01, U
Boron	ND	80	200	ug/L		ND				20	R-01, U
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	ND	1.6	2.0	ug/L		ND				20	R-01, U
Iron	48.2	40	200	ug/L		47.2			2.10	20	R-01, J
Lead	ND	0.24	1.0	ug/L		ND				20	R-01, U
Manganese	ND	8.0	20	ug/L		ND				20	R-01, U
Molybdenum	0.401	0.28	1.0	ug/L		0.452			11.9	20	R-01, J
Nickel	2.16	1.2	2.0	ug/L		2.13			1.26	20	
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	ND	2.0	4.0	ug/L		ND				20	R-01, U
Zinc	ND	16	20	ug/L		ND				20	R-01, U



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 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 4oz WM Poly
 Project Number: -

Reported:
 03/30/20 09:11

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 AC04284 - EPA 200.8

Matrix Spike (AC04284-MS1)

Source: 20C2498-03

Prepared: 03/23/20 Analyzed: 03/26/20

Aluminum	514	20	40	ug/L	520	ND	98.8	70-130			
Antimony	21.4	0.80	2.0	ug/L	20.0	ND	107	70-130			
Arsenic	21.2	1.6	2.0	ug/L	20.0	ND	106	70-130			
Barium	37.3	0.80	2.0	ug/L	20.0	15.2	110	70-130			
Beryllium	21.7	0.20	0.40	ug/L	20.0	0.211	107	70-130			
Boron	146	80	200	ug/L	100	ND	146	70-130			QM-01, R-01, J
Cadmium	20.3	0.24	0.40	ug/L	20.0	ND	102	70-130			
Chromium	20.8	2.0	2.0	ug/L	20.0	ND	104	70-130			
Cobalt	20.6	0.40	0.40	ug/L	20.0	ND	103	70-130			
Copper	21.4	1.6	2.0	ug/L	20.0	ND	107	70-130			
Iron	551	40	200	ug/L	520	47.2	96.8	70-130			
Lead	23.0	0.24	1.0	ug/L	20.0	ND	115	70-130			
Manganese	21.0	8.0	20	ug/L	20.0	ND	105	70-130			
Molybdenum	21.9	0.28	1.0	ug/L	20.0	0.452	107	70-130			
Nickel	22.4	1.2	2.0	ug/L	20.0	2.13	101	70-130			
Selenium	21.7	1.2	8.0	ug/L	20.0	ND	108	70-130			
Silver	20.5	0.20	0.40	ug/L	20.0	ND	103	70-130			
Thallium	22.8	0.20	0.40	ug/L	20.0	ND	114	70-130			
Vanadium	20.1	2.0	4.0	ug/L	20.0	ND	100	70-130			
Zinc	99.3	16	20	ug/L	100	ND	99.3	70-130			

Matrix Spike (AC04284-MS2)

Source: 20C2498-02

Prepared: 03/23/20 Analyzed: 03/26/20

Aluminum	522	20	40	ug/L	520	ND	100	70-130			
Antimony	21.2	0.80	2.0	ug/L	20.0	ND	106	70-130			
Arsenic	21.4	1.6	2.0	ug/L	20.0	ND	107	70-130			
Barium	38.1	0.80	2.0	ug/L	20.0	15.0	115	70-130			
Beryllium	21.8	0.20	0.40	ug/L	20.0	ND	109	70-130			
Boron	145	80	200	ug/L	100	ND	145	70-130			QM-01, R-01, J
Cadmium	20.9	0.24	0.40	ug/L	20.0	ND	105	70-130			
Chromium	20.7	2.0	2.0	ug/L	20.0	ND	104	70-130			
Cobalt	20.2	0.40	0.40	ug/L	20.0	ND	101	70-130			
Copper	20.7	1.6	2.0	ug/L	20.0	ND	103	70-130			
Iron	558	40	200	ug/L	520	48.0	98.1	70-130			
Lead	23.0	0.24	1.0	ug/L	20.0	ND	115	70-130			
Manganese	20.8	8.0	20	ug/L	20.0	ND	104	70-130			

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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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 4oz WM Poly Project Number: -	Reported: 03/30/20 09:11
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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 AC04284 - EPA 200.8

Matrix Spike (AC04284-MS2)		Source: 20C2498-02			Prepared: 03/23/20		Analyzed: 03/26/20	
Molybdenum	22.0	0.28	1.0	ug/L	20.0	0.403	108	70-130
Nickel	22.4	1.2	2.0	ug/L	20.0	2.11	101	70-130
Selenium	21.6	1.2	8.0	ug/L	20.0	ND	108	70-130
Silver	20.7	0.20	0.40	ug/L	20.0	ND	103	70-130
Thallium	23.0	0.20	0.40	ug/L	20.0	ND	115	70-130
Vanadium	20.2	2.0	4.0	ug/L	20.0	ND	101	70-130
Zinc	99.4	16	20	ug/L	100	ND	99.4	70-130

Matrix Spike Dup (AC04284-MSD1)		Source: 20C2498-03			Prepared: 03/23/20		Analyzed: 03/26/20				
Aluminum	532	20	40	ug/L	520	ND	102	70-130	3.43	20	
Antimony	21.8	0.80	2.0	ug/L	20.0	ND	109	70-130	2.12	20	
Arsenic	21.8	1.6	2.0	ug/L	20.0	ND	109	70-130	2.43	20	
Barium	37.7	0.80	2.0	ug/L	20.0	15.2	112	70-130	1.20	20	
Beryllium	21.7	0.20	0.40	ug/L	20.0	0.211	108	70-130	0.360	20	
Boron	148	80	200	ug/L	100	ND	148	70-130	1.30	20	QM-01, R-01, J
Cadmium	20.7	0.24	0.40	ug/L	20.0	ND	104	70-130	1.89	20	
Chromium	21.1	2.0	2.0	ug/L	20.0	ND	106	70-130	1.66	20	
Cobalt	20.9	0.40	0.40	ug/L	20.0	ND	105	70-130	1.47	20	
Copper	21.7	1.6	2.0	ug/L	20.0	ND	108	70-130	1.38	20	
Iron	562	40	200	ug/L	520	47.2	98.9	70-130	1.97	20	
Lead	23.3	0.24	1.0	ug/L	20.0	ND	117	70-130	1.56	20	
Manganese	21.3	8.0	20	ug/L	20.0	ND	106	70-130	1.32	20	
Molybdenum	22.8	0.28	1.0	ug/L	20.0	0.452	112	70-130	3.82	20	
Nickel	22.5	1.2	2.0	ug/L	20.0	2.13	102	70-130	0.550	20	
Selenium	22.0	1.2	8.0	ug/L	20.0	ND	110	70-130	1.63	20	
Silver	20.8	0.20	0.40	ug/L	20.0	ND	104	70-130	1.28	20	
Thallium	22.9	0.20	0.40	ug/L	20.0	ND	115	70-130	0.627	20	
Vanadium	19.8	2.0	4.0	ug/L	20.0	ND	99.0	70-130	1.52	20	
Zinc	100	16	20	ug/L	100	ND	100	70-130	0.623	20	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 4oz WM Poly Project Number: -	Reported: 03/30/20 09:11
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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 AC03994 - EPA 300.0

Blank (AC03994-BLK1)											Prepared & Analyzed: 03/16/20	
Nitrite as NO2	ND	0.20	1.0	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	
Fluoride	ND	0.020	0.10	mg/L							U	

LCS (AC03994-BS1)											Prepared & Analyzed: 03/16/20	
Sulfate as SO4	22.5	0.20	0.50	mg/L	22.2		101	90-110				
Fluoride	5.79	0.020	0.10	mg/L	5.56		104	90-110				
Nitrite as NO2	18.4	0.20	1.0	mg/L	18.2		101	90-110				
Nitrate as NO3	25	0.20	1.0	mg/L	24.7		103	90-110				

Duplicate (AC03994-DUP1)											Source: 20C1099-01		Prepared & Analyzed: 03/16/20	
Sulfate as SO4	39.6	2.0	5.0	mg/L		39.6			0.0505	20				
Nitrate as NO3	1.2	0.20	1.0	mg/L		1.2			0.847	20				
Nitrite as NO2	ND	0.20	1.0	mg/L		ND				20	U			
Fluoride	0.0990	0.020	0.10	mg/L		0.0980			1.02	20	J			

Matrix Spike (AC03994-MS1)											Source: 20C1099-01		Prepared & Analyzed: 03/16/20	
Fluoride	5.31	0.20	1.0	mg/L	5.56	ND	95.6	80-120						
Nitrate as NO3	25	2.0	10	mg/L	24.7	ND	102	80-120						
Nitrite as NO2	17.3	2.0	10	mg/L	18.2	ND	95.1	80-120						
Sulfate as SO4	62.0	2.0	5.0	mg/L	22.2	39.6	101	80-120						

Matrix Spike (AC03994-MS2)											Source: 20C1941-01		Prepared & Analyzed: 03/16/20	
Fluoride	5.27	0.20	1.0	mg/L	5.56	ND	94.8	80-120						
Nitrite as NO2	17.6	2.0	10	mg/L	18.2	ND	96.7	80-120						
Sulfate as SO4	28.5	2.0	5.0	mg/L	22.2	8.18	91.6	80-120						
Nitrate as NO3	29	2.0	10	mg/L	24.7	6.1	93.3	80-120						

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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 4oz WM Poly
 Project Number: -

Reported:
 03/30/20 09:11

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 AC03994 - EPA 300.0

Matrix Spike Dup (AC03994-MSD1)

Source: 20C1099-01

Prepared & Analyzed: 03/16/20

Fluoride	5.06	0.20	1.0	mg/L	5.56	ND	91.0	80-120	4.93	20	
Nitrate as NO3	24	2.0	10	mg/L	24.7	ND	98.2	80-120	3.65	20	
Nitrite as NO2	16.7	2.0	10	mg/L	18.2	ND	91.5	80-120	3.87	20	
Sulfate as SO4	60.4	2.0	5.0	mg/L	22.2	39.6	93.4	80-120	2.63	20	



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 4oz WM Poly
Project Number: -

Reported:
03/30/20 09:11

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.
- 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. 20C1884 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- 4oz WM poly				Analyses Requested							TAT		Sample Notes (lab use only)																																																									
Attn: Quality Control Manager		Attn:		Project No: Lot number P0070CUCS				<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																																																															10 days <input checked="" type="radio"/>		Lab Approval Required For Rush TATs Temperature: deg. C Shipment Method: Custody Seals: Y / N	
Address:		Address:		PO/Reference :				RUSH: 5 days <input type="radio"/>																																																																		
Phone/Fax:		Phone/Fax:						48 hours <input type="radio"/>																																																																		
Email Address: admin@sampletraps.com		Email Address:						Other: ____ days <input type="radio"/>																																																																		
Samplers Signature: Print: N/A				Container:		Preservative:			Matrix:		Total Number of Containers				Sample Notes or CDPH Source Numbers:																																																											
Sample Identification		Sampled: Date Time		40ml VOA	Poly	Glass bottle	Glass Jar	HCL	Methanol	Na Bisulfate							Other	None	Water	Container																																																						
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Relinquished by: <i>[Signature]</i>				Received by: <i>[Signature]</i>				Date: 3-16-20		Time: 0800		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: _____																																																														