



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

16 May 2022

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 4oz WM Poly

Work Order: 22D4143

Enclosed are the results of analyses for samples received by the laboratory on 04/26/22 23:30. 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: P2109CUCS

Reported:
05/16/22 15:41

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
P2109CUCS	22D4143-01	Water	04/26/22 00:00	04/26/22 23:30



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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: P2109CUCS

Reported:
 05/16/22 15:41

Metals (Drinking Water) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
P2109CUCS (22D4143-01) Water												
Sampled: 04/26/22 00:00 Received: 04/26/22 23:30												
Calcium	ND	0.080	1.0	mg/L	1	AE23576	05/10/22 12:30	05/11/22 12:52	EPA 200.7	BED	1551	U
Magnesium	ND	0.030	1.0	mg/L	1	AE23576	05/10/22 12:30	05/11/22 12:52	EPA 200.7	BED	1551	U
Potassium	ND	0.20	1.0	mg/L	1	AE23576	05/10/22 12:30	05/11/22 12:52	EPA 200.7	BED	1551	U
Sodium	ND	0.30	1.0	mg/L	1	AE23576	05/10/22 12:30	05/11/22 12:52	EPA 200.7	BED	1551	U



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262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 4oz WM Poly
Project Number: P2109CUCS

Reported:
05/16/22 15:41

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
P2109CUCS (22D4143-01) Water Sampled: 04/26/22 00:00 Received: 04/26/22 23:30												
Mercury	ND	0.020	0.020	ug/L	1	AE23308	05/05/22 07:25	05/05/22 13:05	EPA 245.1	LMR	1551	U
Tin	ND	0.0060	0.050	mg/L	1	AE23576	05/10/22 12:30	05/11/22 16:26	EPA 200.7	BED	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: P2109CUCS	Reported: 05/16/22 15:41
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Metals by EPA Method 200.8 ICP/MS

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
P2109CUCS (22D4143-01) Water												
Sampled: 04/26/22 00:00 Received: 04/26/22 23:30												
P-02												
Aluminum	ND	5.0	10	ug/L	1	AE23322	05/09/22 15:02	05/12/22 11:54	EPA 200.8	SMP	1551	U
Antimony	ND	0.20	0.50	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Arsenic	ND	0.40	0.50	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Barium	ND	0.20	0.50	ug/L	1	AE23322	05/09/22 15:02	05/11/22 13:51	EPA 200.8	MMY	1551	U
Beryllium	ND	0.050	0.10	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Boron	ND	20	50	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Cadmium	ND	0.060	0.10	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Chromium	ND	0.50	0.50	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Cobalt	ND	0.040	0.10	ug/L	1	AE23322	05/09/22 15:02	05/11/22 13:51	EPA 200.8	MMY	1551	U
Copper	ND	0.40	0.50	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Iron	ND	10	50	ug/L	1	AE23322	05/09/22 15:02	05/11/22 13:51	EPA 200.8	MMY	1551	U
Lead	ND	0.060	0.25	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Manganese	ND	2.0	5.0	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Molybdenum	ND	0.070	0.25	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Nickel	ND	0.30	0.50	ug/L	1	AE23322	05/09/22 15:02	05/11/22 13:51	EPA 200.8	MMY	1551	U
Selenium	ND	0.30	2.0	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Silver	ND	0.20	0.20	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Thallium	ND	0.050	0.10	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	1551	U
Vanadium	ND	0.50	1.0	ug/L	1	AE23654	05/12/22 10:08	05/14/22 00:54	EPA 200.8	MMY	1551	U
Zinc	ND	1.0	5.0	ug/L	1	AE23322	05/09/22 15:02	05/10/22 15:19	EPA 200.8	MMY	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: P2109CUCS

Reported:
 05/16/22 15:41

Anions by EPA Method 300.0

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
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P2109CUCS (22D4143-01) Water Sampled: 04/26/22 00:00 Received: 04/26/22 23:30

Fluoride	ND	0.020	0.10	mg/L	1	AE23385	05/05/22 12:19	05/05/22 12:19	EPA 300.0	SM	1551	U
Nitrate as NO3	ND	0.20	1.0	mg/L	1	AE23385	05/05/22 12:19	05/05/22 12:19	EPA 300.0	SM	1551	T-08, U
Nitrite as NO2	ND	0.20	1.0	mg/L	1	AE23385	05/05/22 12:19	05/05/22 12:19	EPA 300.0	SM	1551	T-08, U
Sulfate as SO4	ND	0.20	0.50	mg/L	1	AE23385	05/05/22 12:19	05/05/22 12:19	EPA 300.0	SM	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: P2109CUCS	Reported: 05/16/22 15:41
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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 AE23576 - Metals Digest

Blank (AE23576-BLK1)		Prepared: 05/10/22 Analyzed: 05/11/22									
Calcium	ND	0.080	1.0	mg/L							U
Magnesium	ND	0.030	1.0	mg/L							U
Potassium	ND	0.20	1.0	mg/L							U
Sodium	ND	0.30	1.0	mg/L							U

LCS (AE23576-BS1)		Prepared: 05/10/22 Analyzed: 05/11/22									
Calcium	7.92	0.080	1.0	mg/L	8.00		99.0	85-115			
Magnesium	7.55	0.030	1.0	mg/L	8.00		94.3	85-115			
Potassium	8.50	0.20	1.0	mg/L	8.00		106	85-115			
Sodium	8.07	0.30	1.0	mg/L	8.00		101	85-115			

Duplicate (AE23576-DUP1)		Source: 22D4143-01		Prepared: 05/10/22 Analyzed: 05/11/22							
Calcium	ND	0.080	1.0	mg/L		ND				20	U
Magnesium	ND	0.030	1.0	mg/L		ND				20	U
Potassium	ND	0.20	1.0	mg/L		ND				20	U
Sodium	ND	0.30	1.0	mg/L		ND				20	U

Matrix Spike (AE23576-MS1)		Source: 22D4143-01		Prepared: 05/10/22 Analyzed: 05/11/22							
Calcium	8.03	0.080	1.0	mg/L	8.00	ND	100	70-130			
Magnesium	7.82	0.030	1.0	mg/L	8.00	ND	97.8	70-130			
Potassium	8.54	0.20	1.0	mg/L	8.00	ND	107	70-130			
Sodium	8.12	0.30	1.0	mg/L	8.00	ND	102	70-130			

Matrix Spike (AE23576-MS2)		Source: 22D3819-02		Prepared: 05/10/22 Analyzed: 05/11/22							
Calcium	103	0.080	1.0	mg/L	8.00	90.9	147	70-130			QM-4X
Magnesium	76.0	0.030	1.0	mg/L	8.00	64.8	140	70-130			QM-4X
Potassium	11.4	0.20	1.0	mg/L	8.00	2.84	107	70-130			
Sodium	105	0.30	1.0	mg/L	8.00	94.6	125	70-130			

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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: P2109CUCS

Reported:
 05/16/22 15:41

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 AE23576 - Metals Digest

Matrix Spike Dup (AE23576-MSD1)	Source: 22D4143-01			Prepared: 05/10/22 Analyzed: 05/11/22						
Calcium	7.90	0.080	1.0	mg/L	8.00	ND	98.8	70-130	1.64	20
Magnesium	7.64	0.030	1.0	mg/L	8.00	ND	95.4	70-130	2.45	20
Potassium	8.35	0.20	1.0	mg/L	8.00	ND	104	70-130	2.20	20
Sodium	7.94	0.30	1.0	mg/L	8.00	ND	99.3	70-130	2.23	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: P2109CUCS	Reported: 05/16/22 15:41
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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 AE23308 - Hg Digest

Blank (AE23308-BLK1)					Prepared & Analyzed: 05/05/22						
Mercury	ND	0.020	0.020	ug/L							U
LCS (AE23308-BS1)					Prepared & Analyzed: 05/05/22						
Mercury	0.261	0.020	0.020	ug/L	0.250		104	85-115			
Duplicate (AE23308-DUP1)					Source: 22D4143-01 Prepared & Analyzed: 05/05/22						
Mercury	ND	0.020	0.020	ug/L		ND				20	U
Matrix Spike (AE23308-MS1)					Source: 22D4143-01 Prepared & Analyzed: 05/05/22						
Mercury	0.288	0.020	0.020	ug/L	0.250	ND	115	70-130			
Matrix Spike Dup (AE23308-MSD1)					Source: 22D4143-01 Prepared & Analyzed: 05/05/22						
Mercury	0.290	0.020	0.020	ug/L	0.250	ND	116	70-130	0.692	20	

Batch AE23576 - Metals Digest

Blank (AE23576-BLK1)					Prepared: 05/10/22 Analyzed: 05/11/22						
Tin	ND	0.0060	0.050	mg/L							U
LCS (AE23576-BS1)					Prepared: 05/10/22 Analyzed: 05/11/22						
Tin	0.184	0.0060	0.050	mg/L	0.200		91.9	85-115			
Duplicate (AE23576-DUP1)					Source: 22D4143-01 Prepared: 05/10/22 Analyzed: 05/11/22						
Tin	ND	0.0060	0.050	mg/L		ND				20	U
Matrix Spike (AE23576-MS1)					Source: 22D4143-01 Prepared: 05/10/22 Analyzed: 05/11/22						
Tin	0.188	0.0060	0.050	mg/L	0.200	ND	94.1	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 AE23576 - Metals Digest

Matrix Spike (AE23576-MS2)		Source: 22D3819-02			Prepared: 05/10/22 Analyzed: 05/11/22						
Tin	0.180	0.0060	0.050	mg/L	0.200	ND	90.0	70-130			
Matrix Spike Dup (AE23576-MSD1)		Source: 22D4143-01			Prepared: 05/10/22 Analyzed: 05/11/22						
Tin	0.193	0.0060	0.050	mg/L	0.200	ND	96.3	70-130	2.31	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 AE23322 - EPA 200.8

Blank (AE23322-BLK1)

Prepared: 05/09/22 Analyzed: 05/11/22

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	0.040	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	0.20	0.20	ug/L							U
Thallium	ND	0.050	0.10	ug/L							U
Zinc	1.97	1.0	5.0	ug/L							J

LCS (AE23322-BS1)

Prepared: 05/09/22 Analyzed: 05/12/22

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	21.9	0.40	0.50	ug/L	20.0		109	85-115			
Barium	20.8	0.20	0.50	ug/L	20.0		104	85-115			
Beryllium	20.7	0.050	0.10	ug/L	20.0		104	85-115			
Boron	104	20	50	ug/L	100		104	85-115			
Cadmium	22.9	0.060	0.10	ug/L	20.0		114	85-115			
Chromium	21.1	0.50	0.50	ug/L	20.0		106	85-115			
Cobalt	20.0	0.040	0.10	ug/L	20.0		100	85-115			
Copper	20.9	0.40	0.50	ug/L	20.0		105	85-115			
Iron	501	10	50	ug/L	520		96.3	85-115			
Lead	19.2	0.060	0.25	ug/L	20.0		96.1	85-115			
Manganese	19.6	2.0	5.0	ug/L	20.0		97.8	85-115			
Molybdenum	19.8	0.070	0.25	ug/L	20.0		99.2	85-115			
Nickel	20.1	0.30	0.50	ug/L	20.0		100	85-115			
Selenium	24.5	0.30	2.0	ug/L	20.0		123	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 AE23322 - EPA 200.8

LCS (AE23322-BS1)		Prepared: 05/09/22 Analyzed: 05/10/22									
Silver	20.2	0.20	0.20	ug/L	20.0		101	85-115			
Thallium	19.4	0.050	0.10	ug/L	20.0		96.8	85-115			
Zinc	115	1.0	5.0	ug/L	100		115	85-115			

Duplicate (AE23322-DUP1)		Source: 22D4143-01			Prepared: 05/09/22 Analyzed: 05/12/22						
Aluminum	ND	5.0	10	ug/L		ND			20		U
Antimony	ND	0.20	0.50	ug/L		ND			20		U
Arsenic	ND	0.40	0.50	ug/L		ND			20		U
Barium	ND	0.20	0.50	ug/L		ND			20		U
Beryllium	ND	0.050	0.10	ug/L		ND			20		U
Boron	ND	20	50	ug/L		ND			20		U
Cadmium	ND	0.060	0.10	ug/L		ND			20		U
Chromium	ND	0.50	0.50	ug/L		ND			20		U
Cobalt	ND	0.040	0.10	ug/L		ND			20		U
Copper	ND	0.40	0.50	ug/L		ND			20		U
Iron	ND	10	50	ug/L		ND			20		U
Lead	ND	0.060	0.25	ug/L		ND			20		U
Manganese	ND	2.0	5.0	ug/L		ND			20		U
Molybdenum	ND	0.070	0.25	ug/L		ND			20		U
Nickel	ND	0.30	0.50	ug/L		ND			20		U
Selenium	ND	0.30	2.0	ug/L		ND			20		U
Silver	ND	0.20	0.20	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	ND	1.0	5.0	ug/L		ND			20		U

MRL Check (AE23322-MRL1)		Prepared: 05/09/22 Analyzed: 05/10/22									
Manganese	4.11	2.0	5.0	ug/L	4.00		103	0-200			J

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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: P2109CUCS	Reported: 05/16/22 15:41
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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 AE23322 - EPA 200.8

Matrix Spike (AE23322-MS1)		Source: 22D4143-01			Prepared: 05/09/22		Analyzed: 05/12/22	
Aluminum	568	5.0	10	ug/L	520	ND	109	70-130
Antimony	21.2	0.20	0.50	ug/L	20.0	ND	106	70-130
Arsenic	21.1	0.40	0.50	ug/L	20.0	ND	105	70-130
Barium	21.0	0.20	0.50	ug/L	20.0	ND	105	70-130
Beryllium	20.2	0.050	0.10	ug/L	20.0	ND	101	70-130
Boron	101	20	50	ug/L	100	ND	101	70-130
Cadmium	22.2	0.060	0.10	ug/L	20.0	ND	111	70-130
Chromium	22.9	0.50	0.50	ug/L	20.0	ND	114	70-130
Cobalt	21.0	0.040	0.10	ug/L	20.0	ND	105	70-130
Copper	21.6	0.40	0.50	ug/L	20.0	ND	108	70-130
Iron	530	10	50	ug/L	520	ND	102	70-130
Lead	20.6	0.060	0.25	ug/L	20.0	ND	103	70-130
Manganese	20.7	2.0	5.0	ug/L	20.0	ND	104	70-130
Molybdenum	21.3	0.070	0.25	ug/L	20.0	ND	107	70-130
Nickel	20.8	0.30	0.50	ug/L	20.0	ND	104	70-130
Selenium	20.7	0.30	2.0	ug/L	20.0	ND	103	70-130
Silver	21.1	0.20	0.20	ug/L	20.0	ND	106	70-130
Thallium	20.5	0.050	0.10	ug/L	20.0	ND	102	70-130
Zinc	104	1.0	5.0	ug/L	100	ND	104	70-130

Matrix Spike (AE23322-MS2)		Source: 22D4083-01			Prepared: 05/09/22		Analyzed: 05/12/22	
Aluminum	524	5.0	10	ug/L	520	15.2	97.9	70-130

Matrix Spike Dup (AE23322-MSD1)		Source: 22D4143-01			Prepared: 05/09/22		Analyzed: 05/12/22			
Aluminum	575	5.0	10	ug/L	520	ND	111	70-130	1.23	20
Antimony	21.0	0.20	0.50	ug/L	20.0	ND	105	70-130	0.976	20
Arsenic	20.8	0.40	0.50	ug/L	20.0	ND	104	70-130	1.46	20
Barium	20.5	0.20	0.50	ug/L	20.0	ND	103	70-130	2.25	20
Beryllium	20.0	0.050	0.10	ug/L	20.0	ND	100	70-130	0.703	20
Boron	102	20	50	ug/L	100	ND	102	70-130	0.711	20
Cadmium	22.2	0.060	0.10	ug/L	20.0	ND	111	70-130	0.126	20
Chromium	22.9	0.50	0.50	ug/L	20.0	ND	114	70-130	0.151	20
Cobalt	20.5	0.040	0.10	ug/L	20.0	ND	103	70-130	2.01	20
Copper	21.2	0.40	0.50	ug/L	20.0	ND	106	70-130	1.90	20
Iron	527	10	50	ug/L	520	ND	101	70-130	0.692	20
Lead	20.1	0.060	0.25	ug/L	20.0	ND	101	70-130	2.09	20
Manganese	20.6	2.0	5.0	ug/L	20.0	ND	103	70-130	0.863	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: P2109CUCS	Reported: 05/16/22 15:41
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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 AE23322 - EPA 200.8

Matrix Spike Dup (AE23322-MSD1)		Source: 22D4143-01			Prepared: 05/09/22		Analyzed: 05/10/22			
Molybdenum	20.8	0.070	0.25	ug/L	20.0	ND	104	70-130	2.64	20
Nickel	20.8	0.30	0.50	ug/L	20.0	ND	104	70-130	0.134	20
Selenium	20.5	0.30	2.0	ug/L	20.0	ND	102	70-130	1.14	20
Silver	20.7	0.20	0.20	ug/L	20.0	ND	103	70-130	2.16	20
Thallium	19.9	0.050	0.10	ug/L	20.0	ND	99.4	70-130	2.98	20
Zinc	103	1.0	5.0	ug/L	100	ND	103	70-130	1.86	20

Batch AE23654 - EPA 200.8

Blank (AE23654-BLK1)					Prepared: 05/12/22		Analyzed: 05/13/22			
Vanadium	ND	0.50	1.0	ug/L						U
LCS (AE23654-BS1)					Prepared: 05/12/22		Analyzed: 05/13/22			
Vanadium	22.9	0.50	1.0	ug/L	20.0		115	85-115		
Duplicate (AE23654-DUP1)		Source: 22E0623-01			Prepared: 05/12/22		Analyzed: 05/13/22			
Vanadium	5.49	0.50	1.0	ug/L		5.75			4.64	20
Matrix Spike (AE23654-MS1)		Source: 22E0623-01			Prepared: 05/12/22		Analyzed: 05/13/22			
Vanadium	26.1	0.50	1.0	ug/L	20.0	5.75	102	70-130		
Matrix Spike (AE23654-MS2)		Source: 22E0007-01			Prepared: 05/12/22		Analyzed: 05/13/22			
Vanadium	29.1	0.50	1.0	ug/L	20.0	6.26	114	70-130		
Matrix Spike Dup (AE23654-MSD1)		Source: 22E0623-01			Prepared: 05/12/22		Analyzed: 05/13/22			
Vanadium	27.6	0.50	1.0	ug/L	20.0	5.75	109	70-130	5.67	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: P2109CUCS	Reported: 05/16/22 15:41
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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 AE23385 - EPA 300.0

Blank (AE23385-BLK1)											
											Prepared & Analyzed: 05/05/22
Nitrate as NO3	ND	0.20	1.0	mg/L							U
Nitrite as NO2	ND	0.20	1.0	mg/L							U
Sulfate as SO4	ND	0.20	0.50	mg/L							U
Fluoride	ND	0.020	0.10	mg/L							U

LCS (AE23385-BS1)											
											Prepared & Analyzed: 05/05/22
Fluoride	5.61	0.020	0.10	mg/L	5.56		101	90-110			
Sulfate as SO4	22.0	0.20	0.50	mg/L	22.2		99.1	90-110			
Nitrate as NO3	24	0.20	1.0	mg/L	24.7		99.0	90-110			
Nitrite as NO2	17.9	0.20	1.0	mg/L	18.2		98.3	90-110			

Duplicate (AE23385-DUP1)											
											Source: 22E0484-01
											Prepared & Analyzed: 05/05/22
Sulfate as SO4	6.55	0.20	0.50	mg/L		6.95			5.84	20	
Nitrate as NO3	ND	0.20	1.0	mg/L		0.34			200	20	U
Nitrite as NO2	ND	0.20	1.0	mg/L		ND				20	U
Fluoride	0.117	0.020	0.10	mg/L		0.124			5.81	20	

Matrix Spike (AE23385-MS1)											
											Source: 22E0484-01
											Prepared & Analyzed: 05/05/22
Nitrite as NO2	16.8	2.0	10	mg/L	18.2	ND	92.3	80-120			
Fluoride	7.57	0.20	1.0	mg/L	5.56	ND	136	80-120			QM-01
Nitrate as NO3	22	2.0	10	mg/L	24.7	ND	89.0	80-120			
Sulfate as SO4	27.0	2.0	5.0	mg/L	22.2	6.95	90.1	80-120			

Matrix Spike (AE23385-MS2)											
											Source: 22E0707-01
											Prepared & Analyzed: 05/05/22
Nitrate as NO3	22	2.0	10	mg/L	24.7	ND	90.7	80-120			
Sulfate as SO4	44.4	2.0	5.0	mg/L	22.2	25.7	84.4	80-120			
Nitrite as NO2	16.7	2.0	10	mg/L	18.2	ND	91.7	80-120			
Fluoride	5.33	0.20	1.0	mg/L	5.56	ND	96.0	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: P2109CUCS	Reported: 05/16/22 15:41
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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 AE23385 - EPA 300.0

Matrix Spike Dup (AE23385-MSD1)	Source: 22E0484-01			Prepared & Analyzed: 05/05/22							
Sulfate as SO4	26.6	2.0	5.0	mg/L	22.2	6.95	88.5	80-120	1.33	20	
Nitrate as NO3	22	2.0	10	mg/L	24.7	ND	88.3	80-120	0.762	20	
Fluoride	6.54	0.20	1.0	mg/L	5.56	ND	118	80-120	14.5	20	
Nitrite as NO2	16.7	2.0	10	mg/L	18.2	ND	91.7	80-120	0.654	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: P2109CUCS

Reported:
05/16/22 15:41

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.
- T-08 Hold time for PT samples not applicable.
- 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

Non-accredited analytes are reported only when ELAP accreditation for a requested analyte method pair is not available. For a list of accredited analytes, view our certificates at the Company link on our website at www.alpha-labs.com or contact your Project Manager directly.



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Chain of Custody Record

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

Lab No. 22D4143 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: QC- 4oz WM poly		Project ID: QC- 4oz WM poly		Analyses Requested TAT: 10 days <input checked="" type="radio"/> RUSH: 5 days <input type="radio"/> 48 hours <input type="radio"/> Other: <input type="radio"/> days Lab Approval Required For Rush TATs Temperature: <u> </u> deg. C Shipment Method: <u> </u> Custody Seals: Y / N Sample Notes (lab use only)			
Attn: Quality Control Manager		Project No: Lot number P2109CUCS		PO/Reference: <u> </u>					
Address: <u> </u>		Container: 40ml VOA <input checked="" type="checkbox"/> Glass bottle <input type="checkbox"/> Glass jar <input type="checkbox"/>		Preservative: HCL <input type="checkbox"/> Methanol <input type="checkbox"/> Na Bisulfate <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Water <input type="checkbox"/> Container <input type="checkbox"/>					
Phone/Fax: <u> </u>		Matrix: <u> </u>		Total Number of Containers: 12					
Email Address: admin@sampletraps.com		Matrix: <u> </u>		Sample Traps Inorganics <input checked="" type="checkbox"/> Include MDL flags <input checked="" type="checkbox"/>					
Samplers Signature: <u> </u>		Print: <u> </u>		Sample Notes or CDPH Source Numbers:		CDPH Write On EDT Transmission? <input type="radio"/> Yes <input type="radio"/> No State System Number: <u> </u> 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: <u> </u> Sampling Company Log Code: <u> </u> EDF to (Email Address): <u> </u> Travel and Site Time: <u> </u> Mileage: <u> </u> Misc. Supplies: <u> </u>			
Sample Identification: P2109CUCS		Sampled: Date: <u> </u> Time: <u> </u>		Date: 4/24/22				Time: 8:30	
Relinquished by: <u> </u>		Received by: <u>JEQ</u>		Date: 4/24/22		Time: 8:30			