



Alpha

Alpha Analytical Laboratories Inc.

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

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

ELAP Certificates 1551, 2728, and 2922

24 January 2017

Sample Traps, LLC

Attn: Quality Control Manager

6398 Dougherty Road, Suite 36

Dublin, CA 94568

RE: QC- 32oz. Cylinder HDPE

Work Order: 17A0767

Enclosed are the results of analyses for samples received by the laboratory on 01/10/17 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
6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
L6336CUCS	17A0767-01	Water	01/10/17 00:00	01/10/17 08:00



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

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

Metals (Drinking Water) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
L6336CUCS (17A0767-01) Water Sampled: 01/10/17 00:00 Received: 01/10/17 08:00												
Calcium	ND	0.020	1.0		mg/L	1	AA73914	01/19/17 10:05	01/23/17 13:16	EPA 200.7	MAM	U
Magnesium	ND	0.0080	1.0		mg/L	1	AA73914	01/19/17 10:05	01/23/17 13:16	EPA 200.7	MAM	U
Potassium	ND	0.040	1.0		mg/L	1	AA73914	01/19/17 10:05	01/23/17 13:16	EPA 200.7	MAM	U
Sodium	ND	0.020	1.0		mg/L	1	AA73914	01/19/17 10:05	01/23/17 13:16	EPA 200.7	MAM	U



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Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
L6336CUCS (17A0767-01) Water Sampled: 01/10/17 00:00 Received: 01/10/17 08:00												
Mercury	ND	0.010	0.020		ug/L	1	AA73570	01/11/17 10:13	01/12/17 11:17	EPA 245.1	JJM	U
Tin	ND	0.020	0.050		mg/L	1	AA73914	01/19/17 10:05	01/23/17 13:16	EPA 200.7	MAM	U



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Sample Traps, LLC
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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

Metals by EPA Method 200.8 ICP/MS

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
L6336CUCS (17A0767-01) Water Sampled: 01/10/17 00:00 Received: 01/10/17 08:00												
Aluminum	ND	2.0	10		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Antimony	ND	0.020	0.50		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Arsenic	0.20	0.20	0.50		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	J
Barium	ND	0.050	0.50		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Beryllium	ND	0.020	0.10		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Boron	ND	6.0	50		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Cadmium	ND	0.050	0.10		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Chromium	0.13	0.080	0.50		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	J
Cobalt	ND	0.010	0.10		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Copper	ND	0.050	0.50		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Iron	3.1	2.0	50		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	J
Lead	ND	0.020	0.25		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Manganese	ND	0.050	5.0		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Molybdenum	ND	0.020	0.25		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Nickel	ND	0.060	0.50		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Selenium	ND	0.20	2.0		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Silver	ND	0.050	0.10		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Thallium	ND	0.050	0.10		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Vanadium	ND	0.50	1.0		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	U
Zinc	0.77	0.50	5.0		ug/L	1	AA73909	01/19/17 09:31	01/20/17 12:06	EPA 200.8	MMY	J



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6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

Anions by EPA Method 300.0

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
L6336CUCS (17A0767-01) Water Sampled: 01/10/17 00:00 Received: 01/10/17 08:00												
Fluoride	ND	0.070	0.10		mg/L	1	AA73523	01/11/17 03:04	01/11/17 03:04	EPA 300.0	SMP	U
Nitrate as NO3	ND	0.20	1.0		mg/L	1	AA73523	01/11/17 03:04	01/11/17 03:04	EPA 300.0	SMP	U
Nitrite as NO2	ND	0.070	1.0		mg/L	1	AA73523	01/11/17 03:04	01/11/17 03:04	EPA 300.0	SMP	U
Sulfate as SO4	ND	0.20	0.50		mg/L	1	AA73523	01/11/17 03:04	01/11/17 03:04	EPA 300.0	SMP	U



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Sample Traps, LLC
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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

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 AA73914 - Metals Digest

Blank (AA73914-BLK1)

Prepared: 01/19/17 Analyzed: 01/23/17

Calcium	ND	0.020	1.0	mg/L							U
Magnesium	ND	0.0080	1.0	mg/L							U
Potassium	ND	0.040	1.0	mg/L							U
Sodium	ND	0.020	1.0	mg/L							U

LCS (AA73914-BS1)

Prepared: 01/19/17 Analyzed: 01/23/17

Calcium	7.38	0.020	1.0	mg/L	7.20		103	85-115			
Magnesium	7.83	0.0080	1.0	mg/L	7.40		106	85-115			
Potassium	7.28	0.040	1.0	mg/L	7.60		95.8	85-115			
Sodium	7.48	0.020	1.0	mg/L	7.40		101	85-115			

Duplicate (AA73914-DUP1)

Source: 17A0767-01

Prepared: 01/19/17 Analyzed: 01/23/17

Calcium	ND	0.020	1.0	mg/L		ND			20		U
Magnesium	ND	0.0080	1.0	mg/L		ND			20		U
Potassium	ND	0.040	1.0	mg/L		ND			20		U
Sodium	ND	0.020	1.0	mg/L		ND			20		U

Matrix Spike (AA73914-MS1)

Source: 17A0767-01

Prepared: 01/19/17 Analyzed: 01/23/17

Calcium	7.35	0.020	1.0	mg/L	7.20	ND	102	70-130			
Magnesium	7.68	0.0080	1.0	mg/L	7.40	ND	104	70-130			
Potassium	7.37	0.040	1.0	mg/L	7.60	ND	97.0	70-130			
Sodium	7.39	0.020	1.0	mg/L	7.40	ND	99.9	70-130			

Matrix Spike (AA73914-MS2)

Source: 17A0779-03

Prepared: 01/19/17 Analyzed: 01/23/17

Calcium	65.9	0.020	1.0	mg/L	7.20	60.9	69.6	70-130			QM-4X
Magnesium	36.4	0.0080	1.0	mg/L	7.40	29.3	95.8	70-130			
Potassium	8.88	0.040	1.0	mg/L	7.60	1.54	96.6	70-130			
Sodium	22.4	0.020	1.0	mg/L	7.40	15.4	94.9	70-130			



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Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

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 AA73914 - Metals Digest

Matrix Spike Dup (AA73914-MSD1)

Source: 17A0767-01

Prepared: 01/19/17 Analyzed: 01/23/17

Calcium	7.18	0.020	1.0	mg/L	7.20	ND	99.7	70-130	2.38	20	
Magnesium	7.36	0.0080	1.0	mg/L	7.40	ND	99.5	70-130	4.23	20	
Potassium	7.28	0.040	1.0	mg/L	7.60	ND	95.8	70-130	1.29	20	
Sodium	6.91	0.020	1.0	mg/L	7.40	ND	93.4	70-130	6.69	20	



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Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

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 AA73570 - EPA 245.1 Hg Water

Blank (AA73570-BLK1)			Prepared: 01/11/17 Analyzed: 01/12/17								
Mercury	ND	0.010	0.020	ug/L							U
LCS (AA73570-BS1)			Prepared: 01/11/17 Analyzed: 01/12/17								
Mercury	0.257	0.010	0.020	ug/L	0.250		103	85-115			
Duplicate (AA73570-DUP1)			Source: 17A0767-01			Prepared: 01/11/17 Analyzed: 01/12/17					
Mercury	ND	0.010	0.020	ug/L		ND				20	U
Matrix Spike (AA73570-MS1)			Source: 17A0767-01			Prepared: 01/11/17 Analyzed: 01/12/17					
Mercury	0.249	0.010	0.020	ug/L	0.250	ND	99.6	70-130			
Matrix Spike Dup (AA73570-MSD1)			Source: 17A0767-01			Prepared: 01/11/17 Analyzed: 01/12/17					
Mercury	0.232	0.010	0.020	ug/L	0.250	ND	92.8	70-130	7.07	20	

Batch AA73914 - Metals Digest

Blank (AA73914-BLK1)			Prepared: 01/19/17 Analyzed: 01/23/17								
Tin	ND	0.020	0.050	mg/L							U
LCS (AA73914-BS1)			Prepared: 01/19/17 Analyzed: 01/23/17								
Tin	0.193	0.020	0.050	mg/L	0.200		96.6	85-115			
Duplicate (AA73914-DUP1)			Source: 17A0767-01			Prepared: 01/19/17 Analyzed: 01/23/17					
Tin	ND	0.020	0.050	mg/L		ND				20	U
Matrix Spike (AA73914-MS1)			Source: 17A0767-01			Prepared: 01/19/17 Analyzed: 01/23/17					
Tin	0.192	0.020	0.050	mg/L	0.200	ND	96.0	70-130			



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Sample Traps, LLC
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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

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 AA73914 - Metals Digest

Matrix Spike (AA73914-MS2)

Source: 17A0779-03

Prepared: 01/19/17 Analyzed: 01/23/17

Tin	0.184	0.020	0.050	mg/L	0.200	ND	91.8	70-130			
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Matrix Spike Dup (AA73914-MSD1)

Source: 17A0767-01

Prepared: 01/19/17 Analyzed: 01/23/17

Tin	0.184	0.020	0.050	mg/L	0.200	ND	92.2	70-130	4.00	20	
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Sample Traps, LLC
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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

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 AA73909 - EPA 200.8

Blank (AA73909-BLK1)

Prepared: 01/19/17 Analyzed: 01/20/17

Aluminum	ND	2.0	10	ug/L							U
Antimony	ND	0.020	0.50	ug/L							U
Arsenic	ND	0.20	0.50	ug/L							U
Barium	ND	0.050	0.50	ug/L							U
Beryllium	ND	0.020	0.10	ug/L							U
Boron	ND	6.0	50	ug/L							U
Cadmium	ND	0.050	0.10	ug/L							U
Chromium	0.0867	0.080	0.50	ug/L							J
Cobalt	ND	0.010	0.10	ug/L							U
Copper	ND	0.050	0.50	ug/L							U
Iron	ND	2.0	50	ug/L							U
Lead	ND	0.020	0.25	ug/L							U
Manganese	ND	0.050	5.0	ug/L							U
Molybdenum	ND	0.020	0.25	ug/L							U
Nickel	ND	0.060	0.50	ug/L							U
Selenium	ND	0.20	2.0	ug/L							U
Silver	ND	0.050	0.10	ug/L							U
Thallium	ND	0.050	0.10	ug/L							U
Vanadium	ND	0.50	1.0	ug/L							U
Zinc	0.646	0.50	5.0	ug/L							J

LCS (AA73909-BS1)

Prepared: 01/19/17 Analyzed: 01/20/17

Aluminum	531	2.0	10	ug/L	520	102	85-115
Antimony	21.0	0.020	0.50	ug/L	20.0	105	85-115
Arsenic	21.2	0.20	0.50	ug/L	20.0	106	85-115
Barium	20.4	0.050	0.50	ug/L	20.0	102	85-115
Beryllium	22.1	0.020	0.10	ug/L	20.0	110	85-115
Boron	99.4	6.0	50	ug/L	100	99.4	85-115
Cadmium	20.6	0.050	0.10	ug/L	20.0	103	85-115
Chromium	20.7	0.080	0.50	ug/L	20.0	104	85-115
Cobalt	20.4	0.010	0.10	ug/L	20.0	102	85-115
Copper	19.5	0.050	0.50	ug/L	20.0	97.7	85-115
Iron	519	2.0	50	ug/L	520	99.8	85-115
Lead	20.8	0.020	0.25	ug/L	20.0	104	85-115
Manganese	20.4	0.050	5.0	ug/L	20.0	102	85-115

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



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

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

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 AA73909 - EPA 200.8

LCS (AA73909-BS1)

Prepared: 01/19/17 Analyzed: 01/20/17

Molybdenum	20.7	0.020	0.25	ug/L	20.0	104	85-115				
Nickel	20.8	0.060	0.50	ug/L	20.0	104	85-115				
Selenium	21.1	0.20	2.0	ug/L	20.0	106	85-115				
Silver	20.4	0.050	0.10	ug/L	20.0	102	85-115				
Thallium	20.7	0.050	0.10	ug/L	20.0	104	85-115				
Vanadium	20.6	0.50	1.0	ug/L	20.0	103	85-115				
Zinc	101	0.50	5.0	ug/L	100	101	85-115				

Duplicate (AA73909-DUP1)

Source: 17A0767-01

Prepared: 01/19/17 Analyzed: 01/20/17

Aluminum	ND	2.0	10	ug/L		ND			20		U
Antimony	ND	0.020	0.50	ug/L		ND			20		U
Arsenic	ND	0.20	0.50	ug/L		0.201			20		U
Barium	ND	0.050	0.50	ug/L		ND			20		U
Beryllium	ND	0.020	0.10	ug/L		ND			20		U
Boron	ND	6.0	50	ug/L		ND			20		U
Cadmium	ND	0.050	0.10	ug/L		ND			20		U
Chromium	ND	0.080	0.50	ug/L		0.125			20		U
Cobalt	ND	0.010	0.10	ug/L		ND			20		U
Copper	ND	0.050	0.50	ug/L		ND			20		U
Iron	2.55	2.0	50	ug/L		3.10		19.3	20		J
Lead	ND	0.020	0.25	ug/L		ND			20		U
Manganese	ND	0.050	5.0	ug/L		ND			20		U
Molybdenum	ND	0.020	0.25	ug/L		ND			20		U
Nickel	ND	0.060	0.50	ug/L		ND			20		U
Selenium	ND	0.20	2.0	ug/L		ND			20		U
Silver	0.104	0.050	0.10	ug/L		ND			20		
Thallium	ND	0.050	0.10	ug/L		ND			20		U
Vanadium	ND	0.50	1.0	ug/L		ND			20		U
Zinc	0.770	0.50	5.0	ug/L		0.771		0.164	20		J

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

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

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 AA73909 - EPA 200.8

Matrix Spike (AA73909-MS1)

Source: 17A0767-01

Prepared: 01/19/17 Analyzed: 01/20/17

Aluminum	520	2.0	10	ug/L	520	ND	100	70-130			
Antimony	20.3	0.020	0.50	ug/L	20.0	ND	102	70-130			
Arsenic	20.7	0.20	0.50	ug/L	20.0	0.201	103	70-130			
Barium	20.2	0.050	0.50	ug/L	20.0	ND	101	70-130			
Beryllium	21.2	0.020	0.10	ug/L	20.0	ND	106	70-130			
Boron	97.1	6.0	50	ug/L	100	ND	97.1	70-130			
Cadmium	19.8	0.050	0.10	ug/L	20.0	ND	99.0	70-130			
Chromium	20.5	0.080	0.50	ug/L	20.0	0.125	102	70-130			
Cobalt	20.1	0.010	0.10	ug/L	20.0	ND	100	70-130			
Copper	19.4	0.050	0.50	ug/L	20.0	ND	97.2	70-130			
Iron	541	2.0	50	ug/L	520	3.10	103	70-130			
Lead	20.4	0.020	0.25	ug/L	20.0	ND	102	70-130			
Manganese	20.3	0.050	5.0	ug/L	20.0	ND	101	70-130			
Molybdenum	20.2	0.020	0.25	ug/L	20.0	ND	101	70-130			
Nickel	23.3	0.060	0.50	ug/L	20.0	ND	117	70-130			
Selenium	20.5	0.20	2.0	ug/L	20.0	ND	102	70-130			
Silver	19.7	0.050	0.10	ug/L	20.0	ND	98.7	70-130			
Thallium	20.4	0.050	0.10	ug/L	20.0	ND	102	70-130			
Vanadium	20.2	0.50	1.0	ug/L	20.0	ND	101	70-130			
Zinc	99.2	0.50	5.0	ug/L	100	0.771	98.4	70-130			

Matrix Spike Dup (AA73909-MSD1)

Source: 17A0767-01

Prepared: 01/19/17 Analyzed: 01/20/17

Aluminum	530	2.0	10	ug/L	520	ND	102	70-130	1.93	20	
Antimony	20.2	0.020	0.50	ug/L	20.0	ND	101	70-130	0.586	20	
Arsenic	20.9	0.20	0.50	ug/L	20.0	0.201	104	70-130	0.991	20	
Barium	20.4	0.050	0.50	ug/L	20.0	ND	102	70-130	1.02	20	
Beryllium	21.3	0.020	0.10	ug/L	20.0	ND	106	70-130	0.503	20	
Boron	98.3	6.0	50	ug/L	100	ND	98.3	70-130	1.24	20	
Cadmium	19.9	0.050	0.10	ug/L	20.0	ND	99.5	70-130	0.463	20	
Chromium	20.5	0.080	0.50	ug/L	20.0	0.125	102	70-130	0.185	20	
Cobalt	20.2	0.010	0.10	ug/L	20.0	ND	101	70-130	0.600	20	
Copper	19.5	0.050	0.50	ug/L	20.0	ND	97.7	70-130	0.513	20	
Iron	546	2.0	50	ug/L	520	3.10	104	70-130	0.958	20	
Lead	20.5	0.020	0.25	ug/L	20.0	ND	103	70-130	0.393	20	
Manganese	20.3	0.050	5.0	ug/L	20.0	ND	102	70-130	0.401	20	

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

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

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 AA73909 - EPA 200.8

Matrix Spike Dup (AA73909-MSD1)

Source: 17A0767-01

Prepared: 01/19/17 Analyzed: 01/20/17

Molybdenum	20.2	0.020	0.25	ug/L	20.0	ND	101	70-130	0.153	20	
Nickel	23.4	0.060	0.50	ug/L	20.0	ND	117	70-130	0.234	20	
Selenium	20.3	0.20	2.0	ug/L	20.0	ND	101	70-130	0.836	20	
Silver	19.9	0.050	0.10	ug/L	20.0	ND	99.6	70-130	0.876	20	
Thallium	20.5	0.050	0.10	ug/L	20.0	ND	103	70-130	0.684	20	
Vanadium	20.2	0.50	1.0	ug/L	20.0	ND	101	70-130	0.0620	20	
Zinc	99.8	0.50	5.0	ug/L	100	0.771	99.1	70-130	0.623	20	



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

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

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 AA73523 - General Preparation

Blank (AA73523-BLK1)

Prepared & Analyzed: 01/11/17

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	0.070	1.0	mg/L							U

LCS (AA73523-BS1)

Prepared & Analyzed: 01/11/17

Sulfate as SO4	24.0	0.20	0.50	mg/L	22.2		108	90-110			
Nitrate as NO3	26	0.20	1.0	mg/L	24.7		105	90-110			
Fluoride	6.00	0.070	0.10	mg/L	5.56		108	90-110			
Nitrite as NO2	19.4	0.070	1.0	mg/L	18.2		106	90-110			

Duplicate (AA73523-DUP1)

Source: 17A0767-01

Prepared & Analyzed: 01/11/17

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

Matrix Spike (AA73523-MS1)

Source: 17A0767-01

Prepared & Analyzed: 01/11/17

Fluoride	5.79	0.070	0.10	mg/L	5.56	ND	104	80-120			
Nitrate as NO3	26	0.20	1.0	mg/L	24.7	ND	106	80-120			
Sulfate as SO4	23.7	0.20	0.50	mg/L	22.2	ND	107	80-120			
Nitrite as NO2	19.4	0.070	1.0	mg/L	18.2	ND	106	80-120			

Matrix Spike (AA73523-MS2)

Source: 17A0814-01

Prepared & Analyzed: 01/11/17

Sulfate as SO4	32.7	1.0	2.5	mg/L	22.2	8.15	111	80-120			
Nitrate as NO3	45	1.0	5.0	mg/L	24.7	20	102	80-120			
Fluoride	6.11	0.35	0.50	mg/L	5.56	ND	110	80-120			
Nitrite as NO2	18.6	0.35	5.0	mg/L	18.2	ND	102	80-120			



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

Project Manager: Quality Control Manager
Project: QC- 32oz. Cylinder HDPE
Project Number: Lot Number L6336CUCS

Reported:
01/24/17 15:36

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 AA73523 - General Preparation

Matrix Spike Dup (AA73523-MSD1)

Source: 17A0767-01

Prepared & Analyzed: 01/11/17

Nitrate as NO3	26	0.20	1.0	mg/L	24.7	ND	105	80-120	1.45	20	
Nitrite as NO2	19.5	0.070	1.0	mg/L	18.2	ND	107	80-120	0.489	20	
Sulfate as SO4	27.6	0.20	0.50	mg/L	22.2	ND	124	80-120	15.3	20	QM-07
Fluoride	6.32	0.070	0.10	mg/L	5.56	ND	114	80-120	8.86	20	



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Sample Traps, LLC

6398 Dougherty Road, Suite 36

Dublin CA, 94568

Project Manager: Quality Control Manager

Project: QC- 32oz. Cylinder HDPE

Project Number: Lot Number L6336CUCS

Reported:

01/24/17 15:36

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
U	Analyte included in analysis, but not detected at or above MDL.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
MDL	Method detection limit
Rec	Recovery
RPD	Relative Percent Difference



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Chain of Custody Record

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

Lab No. 17A0767 Page of

Report to: Company: Sample Traps LLC Attn: Quality Control Manager Address: Phone/Fax: Email Address: admin@sampletraps.com		Invoice to (if different): Company: Attn: Address: Phone/Fax: Email Address:		Project Info for Report: Project ID: QC- 32oz Cylinder HDPE Project No: Lot number L6336CUCS PO/Reference :		Signature below authorizes work under terms stated on reverse side.															
Samplers Signature: N/A		Container:		Preservative:		Matrix:		Total Number of Containers	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	Sample Notes (lab use only) Temperature: _____ deg. C Shipment Method: Custody Seals: Y / N	
Print:		Sampled: Date Time		40ml VOA	Poly	Glass bottle	Glass Jar		HCL	Methanol	Na Bisulfate	Other	None	Water	Container	Sample Traps Inorganics	include MDL j-flags	Sample Notes or CDPH Source Numbers:			
L6336CUCS		x	x	x																	
Relinquished by:		Received by:		Date:		Time:		CDPH Write On EDT Transmission? <input type="radio"/> Yes <input type="radio"/> No													
				1-10-17		0800		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: _____													