



Alpha

Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

28 June 2016

Sample Traps, LLC

Attn: Quality Control Manager

6398 Dougherty Road, Suite 36

Dublin, CA 94568

RE: QC- 8oz Cylinder

Work Order: 16F1252

Enclosed are the results of analyses for samples received by the laboratory on 06/13/16 22:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
I6162CUCS	16F1252-01	Water	06/13/16 00:00	06/13/16 22:00



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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

Metals (Drinking Water) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
16162CUCS (16F1252-01) Water Sampled: 06/13/16 00:00 Received: 06/13/16 22:00												
Calcium	ND	0.020	1.0		mg/L	1	AF63777	06/23/16 13:33	06/27/16 15:01	EPA 200.7	MAM	U
Magnesium	ND	0.0080	1.0		mg/L	1	AF63777	06/23/16 13:33	06/27/16 15:01	EPA 200.7	MAM	U
Potassium	ND	0.040	1.0		mg/L	1	AF63777	06/23/16 13:33	06/27/16 15:01	EPA 200.7	MAM	U
Sodium	0.084	0.020	1.0		mg/L	1	AF63777	06/23/16 13:33	06/27/16 15:01	EPA 200.7	MAM	J



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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
16162CUCS (16F1252-01) Water Sampled: 06/13/16 00:00 Received: 06/13/16 22:00												
Mercury	ND	0.010	0.020	ug/L	1	AF63643	06/21/16 09:57	06/21/16 13:07	EPA 245.1	JJM		U
Tin	ND	0.020	0.050	mg/L	1	AF63777	06/23/16 13:33	06/27/16 15:01	EPA 200.7	MAM		U



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Project Manager: Quality Control Manager
Project: QC- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

Metals by EPA Method 200.8 ICP/MS

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
16162UCS (16F1252-01) Water Sampled: 06/13/16 00:00 Received: 06/13/16 22:00												
Aluminum	ND	2.0	10		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Antimony	ND	0.020	0.50		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Arsenic	ND	0.20	0.50		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Barium	0.033	0.030	0.50		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	J
Beryllium	ND	0.020	0.10		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Boron	ND	6.0	50		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Cadmium	ND	0.020	0.10		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Chromium	ND	0.080	0.50		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Cobalt	ND	0.010	0.10		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Copper	ND	0.040	0.50		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Iron	2.8	2.0	50		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	J
Lead	ND	0.020	0.25		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Manganese	0.036	0.030	5.0		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	J
Molybdenum	ND	0.020	0.25		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Nickel	ND	0.060	0.50		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Selenium	ND	0.20	2.0		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Silver	ND	0.050	0.10		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Thallium	ND	0.020	0.10		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Vanadium	ND	0.30	1.0		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	U
Zinc	1.4	0.50	5.0		ug/L	1	AF63778	06/23/16 13:39	06/24/16 10:34	EPA 200.8	MMY	J



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6398 Dougherty Road, Suite 36
Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

Anions by EPA Method 300.0

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
16162CUCS (16F1252-01) Water Sampled: 06/13/16 00:00 Received: 06/13/16 22:00												
Fluoride	ND	0.070	0.10		mg/L	1	AF63488	06/15/16 13:32	06/15/16 13:32	EPA 300.0	SMP	U
Nitrate as NO3	ND	0.20	1.0		mg/L	1	AF63488	06/15/16 13:32	06/15/16 13:32	EPA 300.0	SMP	T-3, U
Nitrite as NO2	ND	0.070	1.0		mg/L	1	AF63488	06/15/16 13:32	06/15/16 13:32	EPA 300.0	SMP	T-3, U
Sulfate as SO4	0.16	0.090	0.50		mg/L	1	AF63488	06/15/16 13:32	06/15/16 13:32	EPA 300.0	SMP	J



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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

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 AF63777 - Metals Digest

Blank (AF63777-BLK1)

Prepared: 06/23/16 Analyzed: 06/24/16

Calcium	0.0266	0.020	1.0	mg/L							J
Magnesium	ND	0.0080	1.0	mg/L							U
Potassium	ND	0.040	1.0	mg/L							U
Sodium	0.0689	0.020	1.0	mg/L							J

LCS (AF63777-BS1)

Prepared: 06/23/16 Analyzed: 06/24/16

Calcium	7.48	0.020	1.0	mg/L	8.00		93.5	85-115			
Magnesium	7.45	0.0080	1.0	mg/L	8.00		93.1	85-115			
Potassium	6.99	0.040	1.0	mg/L	8.00		87.4	85-115			
Sodium	7.90	0.020	1.0	mg/L	8.00		98.7	85-115			

Duplicate (AF63777-DUP1)

Source: 16F1230-02

Prepared: 06/23/16 Analyzed: 06/24/16

Calcium	13.2	0.020	1.0	mg/L		13.0			1.77	20	
Magnesium	4.17	0.0080	1.0	mg/L		4.16			0.138	20	
Potassium	13.7	0.040	1.0	mg/L		13.4			1.75	20	
Sodium	56.4	0.020	1.0	mg/L		55.4			1.68	20	

Matrix Spike (AF63777-MS1)

Source: 16F1230-02

Prepared: 06/23/16 Analyzed: 06/24/16

Calcium	20.4	0.020	1.0	mg/L	8.00	13.0	93.1	70-130			
Magnesium	11.7	0.0080	1.0	mg/L	8.00	4.16	94.0	70-130			
Potassium	20.2	0.040	1.0	mg/L	8.00	13.4	84.3	70-130			
Sodium	61.5	0.020	1.0	mg/L	8.00	55.4	76.4	70-130			

Matrix Spike (AF63777-MS2)

Source: 16F1763-05

Prepared: 06/23/16 Analyzed: 06/24/16

Calcium	53.6	0.020	1.0	mg/L	8.00	51.2	30.9	70-130			QM-4X
Magnesium	45.7	0.0080	1.0	mg/L	8.00	40.3	67.1	70-130			QM-4X
Potassium	7.72	0.040	1.0	mg/L	8.00	1.01	83.8	70-130			
Sodium	61.7	0.020	1.0	mg/L	8.00	59.5	27.7	70-130			QM-4X



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Project Manager: Quality Control Manager
Project: QC- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

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 AF63777 - Metals Digest

Matrix Spike Dup (AF63777-MSD1)

Source: 16F1230-02

Prepared: 06/23/16 Analyzed: 06/24/16

Calcium	19.2	0.020	1.0	mg/L	8.00	13.0	77.6	70-130	6.28	20	
Magnesium	11.1	0.0080	1.0	mg/L	8.00	4.16	86.3	70-130	5.41	20	
Potassium	19.2	0.040	1.0	mg/L	8.00	13.4	71.5	70-130	5.18	20	
Sodium	58.1	0.020	1.0	mg/L	8.00	55.4	33.7	70-130	5.71	20	QM-4X



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06/28/16 16:39

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 AF63643 - EPA 245.1 Hg Water

Blank (AF63643-BLK1)			Prepared & Analyzed: 06/21/16								
Mercury	ND	0.010	0.020	ug/L							U
LCS (AF63643-BS1)			Prepared & Analyzed: 06/21/16								
Mercury	0.229	0.010	0.020	ug/L	0.250		91.6	85-115			
Duplicate (AF63643-DUP1)			Source: 16F1245-01			Prepared & Analyzed: 06/21/16					
Mercury	ND	0.010	0.020	ug/L		ND			20		U
Matrix Spike (AF63643-MS1)			Source: 16F1245-01			Prepared & Analyzed: 06/21/16					
Mercury	0.231	0.010	0.020	ug/L	0.250	ND	92.4	70-130			
Matrix Spike (AF63643-MS2)			Source: 16F1252-01			Prepared & Analyzed: 06/21/16					
Mercury	0.212	0.010	0.020	ug/L	0.250	ND	84.8	70-130			
Matrix Spike Dup (AF63643-MSD1)			Source: 16F1245-01			Prepared & Analyzed: 06/21/16					
Mercury	0.235	0.010	0.020	ug/L	0.250	ND	94.0	70-130	1.72	20	

Batch AF63777 - Metals Digest

Blank (AF63777-BLK1)			Prepared: 06/23/16 Analyzed: 06/24/16								
Tin	ND	0.020	0.050	mg/L							U
LCS (AF63777-BS1)			Prepared: 06/23/16 Analyzed: 06/24/16								
Tin	0.178	0.020	0.050	mg/L	0.200		89.2	85-115			
Duplicate (AF63777-DUP1)			Source: 16F1230-02			Prepared: 06/23/16 Analyzed: 06/24/16					
Tin	ND	0.020	0.050	mg/L		ND			20		U



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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

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 AF63777 - Metals Digest

Matrix Spike (AF63777-MS1)		Source: 16F1230-02			Prepared: 06/23/16 Analyzed: 06/24/16					
Tin	0.179	0.020	0.050	mg/L	0.200	ND	89.3	70-130		
Matrix Spike (AF63777-MS2)		Source: 16F1763-05			Prepared: 06/23/16 Analyzed: 06/24/16					
Tin	0.161	0.020	0.050	mg/L	0.200	ND	80.5	70-130		
Matrix Spike Dup (AF63777-MSD1)		Source: 16F1230-02			Prepared: 06/23/16 Analyzed: 06/24/16					
Tin	0.163	0.020	0.050	mg/L	0.200	ND	81.7	70-130	8.82	20



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Project Manager: Quality Control Manager
Project: QC- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

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 AF63778 - EPA 200.8

Blank (AF63778-BLK1)

Prepared: 06/23/16 Analyzed: 06/24/16

Aluminum	2.16	2.0	10	ug/L							J
Antimony	ND	0.020	0.50	ug/L							U
Arsenic	ND	0.20	0.50	ug/L							U
Barium	ND	0.030	0.50	ug/L							U
Beryllium	ND	0.020	0.10	ug/L							U
Boron	ND	6.0	50	ug/L							U
Cadmium	ND	0.020	0.10	ug/L							U
Chromium	0.0890	0.080	0.50	ug/L							J
Cobalt	ND	0.010	0.10	ug/L							U
Copper	ND	0.040	0.50	ug/L							U
Iron	ND	2.0	50	ug/L							U
Lead	ND	0.020	0.25	ug/L							U
Manganese	ND	0.030	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	0.020	0.10	ug/L							U
Vanadium	ND	0.30	1.0	ug/L							U
Zinc	ND	0.50	5.0	ug/L							U

LCS (AF63778-BS1)

Prepared: 06/23/16 Analyzed: 06/24/16

Aluminum	573	2.0	10	ug/L	520	110	85-115
Antimony	21.4	0.020	0.50	ug/L	20.0	107	85-115
Arsenic	22.7	0.20	0.50	ug/L	20.0	113	85-115
Barium	22.2	0.030	0.50	ug/L	20.0	111	85-115
Beryllium	22.7	0.020	0.10	ug/L	20.0	113	85-115
Boron	115	6.0	50	ug/L	100	115	85-115
Cadmium	21.8	0.020	0.10	ug/L	20.0	109	85-115
Chromium	22.5	0.080	0.50	ug/L	20.0	112	85-115
Cobalt	22.5	0.010	0.10	ug/L	20.0	112	85-115
Copper	22.2	0.040	0.50	ug/L	20.0	111	85-115
Iron	596	2.0	50	ug/L	520	115	85-115
Lead	21.8	0.020	0.25	ug/L	20.0	109	85-115
Manganese	22.5	0.030	5.0	ug/L	20.0	112	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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Project Manager: Quality Control Manager
Project: QC- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

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 AF63778 - EPA 200.8

LCS (AF63778-BS1)

Prepared: 06/23/16 Analyzed: 06/24/16

Molybdenum	22.0	0.020	0.25	ug/L	20.0	110	85-115				
Nickel	22.5	0.060	0.50	ug/L	20.0	113	85-115				
Selenium	23.0	0.20	2.0	ug/L	20.0	115	85-115				
Silver	21.5	0.050	0.10	ug/L	20.0	108	85-115				
Thallium	21.9	0.020	0.10	ug/L	20.0	109	85-115				
Vanadium	21.9	0.30	1.0	ug/L	20.0	110	85-115				
Zinc	108	0.50	5.0	ug/L	100	108	85-115				

Duplicate (AF63778-DUP1)

Source: 16F1307-01

Prepared: 06/23/16 Analyzed: 06/24/16

Aluminum	120	8.0	40	ug/L	120		0.161	20			
Antimony	0.100	0.080	2.0	ug/L	0.0828		19.0	20			R-01, J
Arsenic	20.4	0.80	2.0	ug/L	20.1		1.74	20			
Barium	137	0.12	2.0	ug/L	137		0.522	20			
Beryllium	ND	0.080	0.40	ug/L	ND			20			R-01, U
Boron	7840	24	200	ug/L	7830		0.128	20			
Cadmium	ND	0.080	0.40	ug/L	ND			20			R-01, U
Chromium	0.946	0.32	2.0	ug/L	1.20		23.6	20			R-01, J
Cobalt	0.0730	0.040	0.40	ug/L	0.0689		5.68	20			R-01, J
Copper	77.2	0.16	2.0	ug/L	78.0		1.05	20			
Iron	90.4	8.0	200	ug/L	89.8		0.662	20			R-01, J
Lead	1.76	0.080	1.0	ug/L	1.74		0.795	20			
Manganese	85.2	0.12	20	ug/L	86.4		1.41	20			
Molybdenum	53.2	0.080	1.0	ug/L	49.7		6.74	20			
Nickel	1.72	0.24	2.0	ug/L	1.81		5.05	20			R-01, J
Selenium	ND	0.80	8.0	ug/L	ND			20			R-01, U
Silver	ND	0.20	0.40	ug/L	ND			20			R-01, U
Thallium	ND	0.080	0.40	ug/L	ND			20			R-01, U
Vanadium	ND	1.2	4.0	ug/L	ND			20			R-01, U
Zinc	135	2.0	20	ug/L	133		2.03	20			

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.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

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

Project Manager: Quality Control Manager
Project: QC- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

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 AF63488 - General Preparation

Blank (AF63488-BLK1)

Prepared & Analyzed: 06/15/16

Fluoride	ND	0.070	0.10	mg/L							U
Sulfate as SO4	0.171	0.090	0.50	mg/L							J
Nitrite as NO2	ND	0.070	1.0	mg/L							U
Nitrate as NO3	ND	0.20	1.0	mg/L							U

LCS (AF63488-BS1)

Prepared & Analyzed: 06/15/16

Nitrate as NO3	26	0.20	1.0	mg/L	24.7		104	90-110			
Sulfate as SO4	22.4	0.090	0.50	mg/L	22.2		101	90-110			
Fluoride	5.37	0.070	0.10	mg/L	5.56		96.7	90-110			
Nitrite as NO2	17.6	0.070	1.0	mg/L	18.2		96.8	90-110			

Duplicate (AF63488-DUP1)

Source: 16F1334-01

Prepared & Analyzed: 06/16/16

Nitrate as NO3	0.26	0.20	1.0	mg/L		ND				20	J
Fluoride	ND	0.070	0.10	mg/L		ND				20	U
Nitrite as NO2	ND	0.070	1.0	mg/L		ND				20	U
Sulfate as SO4	0.331	0.090	0.50	mg/L		0.318			4.01	20	J

Matrix Spike (AF63488-MS1)

Source: 16F1334-01

Prepared & Analyzed: 06/16/16

Nitrite as NO2	19.3	0.070	1.0	mg/L	18.2	ND	106	80-120			
Sulfate as SO4	22.7	0.090	0.50	mg/L	22.2	0.318	101	80-120			
Fluoride	5.24	0.070	0.10	mg/L	5.56	ND	94.2	80-120			
Nitrate as NO3	26	0.20	1.0	mg/L	24.7	ND	105	80-120			

Matrix Spike (AF63488-MS2)

Source: 16F1367-01

Prepared & Analyzed: 06/16/16

Sulfate as SO4	59.5	0.45	2.5	mg/L	22.2	37.9	97.2	80-120			
Nitrate as NO3	64	1.0	5.0	mg/L	24.7	38	104	80-120			
Nitrite as NO2	18.3	0.35	5.0	mg/L	18.2	ND	100	80-120			
Fluoride	5.13	0.35	0.50	mg/L	5.56	0.105	90.4	80-120			

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Sample Traps, LLC
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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 8oz Cylinder
Project Number: -

Reported:
06/28/16 16:39

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 AF63488 - General Preparation

Matrix Spike Dup (AF63488-MSD1)

Source: 16F1334-01

Prepared & Analyzed: 06/16/16

Nitrate as NO3	27	0.20	1.0	mg/L	24.7	ND	110	80-120	4.92	20	
Fluoride	5.49	0.070	0.10	mg/L	5.56	ND	98.8	80-120	4.72	20	
Nitrite as NO2	20.2	0.070	1.0	mg/L	18.2	ND	111	80-120	4.39	20	
Sulfate as SO4	24.0	0.090	0.50	mg/L	22.2	0.318	107	80-120	5.57	20	



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06/28/16 16:39

Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- 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-3 Client did not specify sampling time.
- 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

