



Alpha

Alpha Analytical Laboratories Inc.

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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

18 January 2017

Sample Traps, LLC

Attn: Quality Control Manager

6398 Dougherty Road, Suite 36

Dublin, CA 94568

RE: QC- 32oz Clear Glass Jar

Work Order: 16L2787

Enclosed are the results of analyses for samples received by the laboratory on 12/30/16 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 Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S6328CUHS	16L2787-01	Water	12/30/16 00:00	12/30/16 08:00



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Project Manager: Quality Control Manager
Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

Metals (Drinking Water) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
S6328CUHS (16L2787-01) Water Sampled: 12/30/16 00:00 Received: 12/30/16 08:00												
Calcium	0.075	0.020	1.0	mg/L	1	AA73702	01/13/17 08:43	01/14/17 15:31	EPA 200.7	MAM	J	
Magnesium	ND	0.0080	1.0	mg/L	1	AA73702	01/13/17 08:43	01/14/17 15:31	EPA 200.7	MAM	U	
Potassium	ND	0.040	1.0	mg/L	1	AA73702	01/13/17 08:43	01/14/17 15:31	EPA 200.7	MAM	U	
Sodium	0.30	0.020	1.0	mg/L	1	AA73702	01/13/17 08:43	01/14/17 15:31	EPA 200.7	MAM	J	



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Reported:
01/18/17 09:36

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
S6328CUHS (16L2787-01) Water Sampled: 12/30/16 00:00 Received: 12/30/16 08:00												
Mercury	ND	0.010	0.020		ug/L	1	AA73135	01/03/17 10:17	01/05/17 08:55	EPA 245.1	JJM	U
Tin	ND	0.020	0.050		mg/L	1	AA73702	01/13/17 08:43	01/14/17 15:31	EPA 200.7	MAM	U



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Project Manager: Quality Control Manager
Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

Metals by EPA Method 200.8 ICP/MS

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
S6328CUHS (16L2787-01) Water Sampled: 12/30/16 00:00 Received: 12/30/16 08:00												
Aluminum	ND	2.0	10		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Antimony	0.021	0.020	0.50		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	J
Arsenic	1.3	0.20	0.50		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	
Barium	0.69	0.050	0.50		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	
Beryllium	ND	0.020	0.10		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Boron	ND	6.0	50		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Cadmium	ND	0.050	0.10		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Chromium	ND	0.080	0.50		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Cobalt	ND	0.010	0.10		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Copper	0.18	0.050	0.50		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	J
Iron	ND	2.0	50		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Lead	ND	0.020	0.25		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Manganese	0.14	0.050	5.0		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	J
Molybdenum	ND	0.020	0.25		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Nickel	0.061	0.060	0.50		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	J
Selenium	ND	0.20	2.0		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Silver	ND	0.050	0.10		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Thallium	ND	0.050	0.10		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Vanadium	ND	0.50	1.0		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	U
Zinc	0.86	0.50	5.0		ug/L	1	AA73680	01/12/17 14:54	01/13/17 17:43	EPA 200.8	MMY	J



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

Project Manager: Quality Control Manager
Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									

S6328CUHS (16L2787-01) Water **Sampled: 12/30/16 00:00** **Received: 12/30/16 08:00**

Total Organic Carbon	ND	0.100	0.300	mg/L	1	AA73131	01/03/17 08:52	01/03/17 16:21	SM5310C	JJM	U
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Project Manager: Quality Control Manager
Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

Anions by EPA Method 300.0

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
S6328CUHS (16L2787-01) Water Sampled: 12/30/16 00:00 Received: 12/30/16 08:00												
Fluoride	ND	0.070	0.10		mg/L	1	AL64334	12/30/16 22:45	12/30/16 22:45	EPA 300.0	SMP	U
Nitrate as NO3	ND	0.20	1.0		mg/L	1	AL64334	12/30/16 22:45	12/30/16 22:45	EPA 300.0	SMP	U
Nitrite as NO2	ND	0.070	1.0		mg/L	1	AL64334	12/30/16 22:45	12/30/16 22:45	EPA 300.0	SMP	U
Sulfate as SO4	ND	0.20	0.50		mg/L	1	AL64334	12/30/16 22:45	12/30/16 22:45	EPA 300.0	SMP	U



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Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

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 AA73702 - Metals Digest

Blank (AA73702-BLK1)

Prepared: 01/13/17 Analyzed: 01/14/17

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	0.0286	0.020	1.0	mg/L							J

LCS (AA73702-BS1)

Prepared: 01/13/17 Analyzed: 01/14/17

Calcium	7.25	0.020	1.0	mg/L	7.20		101	85-115			
Magnesium	7.51	0.0080	1.0	mg/L	7.40		102	85-115			
Potassium	8.56	0.040	1.0	mg/L	7.60		113	85-115			
Sodium	7.89	0.020	1.0	mg/L	7.40		107	85-115			

Duplicate (AA73702-DUP1)

Source: 17A0097-01

Prepared: 01/13/17 Analyzed: 01/14/17

Calcium	8.25	0.020	1.0	mg/L		8.16			1.07	20	
Magnesium	15.6	0.0080	1.0	mg/L		15.7			0.212	20	
Potassium	2.30	0.040	1.0	mg/L		2.37			3.15	20	
Sodium	9.17	0.020	1.0	mg/L		8.71			5.12	20	

Matrix Spike (AA73702-MS1)

Source: 17A0097-01

Prepared: 01/13/17 Analyzed: 01/14/17

Calcium	15.4	0.020	1.0	mg/L	7.20	8.16	101	70-130			
Magnesium	22.6	0.0080	1.0	mg/L	7.40	15.7	93.6	70-130			
Potassium	10.2	0.040	1.0	mg/L	7.60	2.37	103	70-130			
Sodium	15.3	0.020	1.0	mg/L	7.40	8.71	89.6	70-130			

Matrix Spike (AA73702-MS2)

Source: 17A0544-02

Prepared: 01/13/17 Analyzed: 01/14/17

Calcium	30.0	0.020	1.0	mg/L	7.20	22.6	103	70-130			
Magnesium	9.68	0.0080	1.0	mg/L	7.40	2.12	102	70-130			
Potassium	19.4	0.040	1.0	mg/L	7.60	12.0	96.5	70-130			
Sodium	322	0.020	1.0	mg/L	7.40	311	154	70-130			QM-01



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Project Manager: Quality Control Manager
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Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

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 AA73702 - Metals Digest

Matrix Spike Dup (AA73702-MSD1)

Source: 17A0097-01

Prepared: 01/13/17 Analyzed: 01/14/17

Calcium	15.2	0.020	1.0	mg/L	7.20	8.16	98.3	70-130	1.23	20	
Magnesium	22.4	0.0080	1.0	mg/L	7.40	15.7	91.5	70-130	0.665	20	
Potassium	10.3	0.040	1.0	mg/L	7.60	2.37	105	70-130	1.61	20	
Sodium	15.9	0.020	1.0	mg/L	7.40	8.71	97.4	70-130	3.65	20	



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01/18/17 09:36

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 AA73135 - EPA 245.1 Hg Water

Blank (AA73135-BLK1)			Prepared: 01/03/17 Analyzed: 01/05/17								
Mercury	ND	0.010	0.020	ug/L							U
LCS (AA73135-BS1)			Prepared: 01/03/17 Analyzed: 01/05/17								
Mercury	0.231	0.010	0.020	ug/L	0.250		92.4	85-115			
Duplicate (AA73135-DUP1)			Source: 16L2356-02			Prepared: 01/03/17 Analyzed: 01/05/17					
Mercury	ND	0.010	0.020	ug/L		ND			20		U
Matrix Spike (AA73135-MS1)			Source: 16L2356-02			Prepared: 01/03/17 Analyzed: 01/05/17					
Mercury	0.246	0.010	0.020	ug/L	0.250	ND	98.4	70-130			
Matrix Spike (AA73135-MS2)			Source: 16L2688-02			Prepared: 01/03/17 Analyzed: 01/05/17					
Mercury	0.308	0.010	0.020	ug/L	0.250	ND	123	70-130			
Matrix Spike Dup (AA73135-MSD1)			Source: 16L2356-02			Prepared: 01/03/17 Analyzed: 01/05/17					
Mercury	0.244	0.010	0.020	ug/L	0.250	ND	97.6	70-130	0.816	20	

Batch AA73702 - Metals Digest

Blank (AA73702-BLK1)			Prepared: 01/13/17 Analyzed: 01/14/17								
Tin	ND	0.020	0.050	mg/L							U
LCS (AA73702-BS1)			Prepared: 01/13/17 Analyzed: 01/14/17								
Tin	0.188	0.020	0.050	mg/L	0.200		94.2	85-115			
Duplicate (AA73702-DUP1)			Source: 17A0097-01			Prepared: 01/13/17 Analyzed: 01/14/17					
Tin	ND	0.020	0.050	mg/L		ND			20		U



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Project Manager: Quality Control Manager
Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

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 AA73702 - Metals Digest

Matrix Spike (AA73702-MS1)		Source: 17A0097-01			Prepared: 01/13/17 Analyzed: 01/14/17					
Tin	0.191	0.020	0.050	mg/L	0.200	ND	95.5	70-130		
Matrix Spike (AA73702-MS2)		Source: 17A0544-02			Prepared: 01/13/17 Analyzed: 01/14/17					
Tin	0.191	0.020	0.050	mg/L	0.200	ND	95.6	70-130		
Matrix Spike Dup (AA73702-MSD1)		Source: 17A0097-01			Prepared: 01/13/17 Analyzed: 01/14/17					
Tin	0.187	0.020	0.050	mg/L	0.200	ND	93.3	70-130	2.31	20



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Project Manager: Quality Control Manager
Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
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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 AA73680 - EPA 200.8

Blank (AA73680-BLK1)

Prepared: 01/12/17 Analyzed: 01/13/17

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	ND	0.080	0.50	ug/L							U
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	0.768	0.50	5.0	ug/L							J

LCS (AA73680-BS1)

Prepared: 01/12/17 Analyzed: 01/13/17

Aluminum	556	2.0	10	ug/L	520		107	85-115			
Antimony	21.1	0.020	0.50	ug/L	20.0		105	85-115			
Arsenic	22.6	0.20	0.50	ug/L	20.0		113	85-115			
Barium	21.6	0.050	0.50	ug/L	20.0		108	85-115			
Beryllium	19.6	0.020	0.10	ug/L	20.0		97.9	85-115			
Boron	93.3	6.0	50	ug/L	100		93.3	85-115			
Cadmium	21.7	0.050	0.10	ug/L	20.0		108	85-115			
Chromium	21.3	0.080	0.50	ug/L	20.0		107	85-115			
Cobalt	21.4	0.010	0.10	ug/L	20.0		107	85-115			
Copper	21.2	0.050	0.50	ug/L	20.0		106	85-115			
Iron	555	2.0	50	ug/L	520		107	85-115			
Lead	20.7	0.020	0.25	ug/L	20.0		104	85-115			
Manganese	21.5	0.050	5.0	ug/L	20.0		107	85-115			

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

Project Manager: Quality Control Manager
Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

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 AA73680 - EPA 200.8

LCS (AA73680-BS1)

Prepared: 01/12/17 Analyzed: 01/13/17

Molybdenum	21.8	0.020	0.25	ug/L	20.0	109	85-115				
Nickel	21.2	0.060	0.50	ug/L	20.0	106	85-115				
Selenium	21.4	0.20	2.0	ug/L	20.0	107	85-115				
Silver	21.2	0.050	0.10	ug/L	20.0	106	85-115				
Thallium	20.2	0.050	0.10	ug/L	20.0	101	85-115				
Vanadium	21.0	0.50	1.0	ug/L	20.0	105	85-115				
Zinc	109	0.50	5.0	ug/L	100	109	85-115				

Duplicate (AA73680-DUP1)

Source: 17A0782-01

Prepared: 01/12/17 Analyzed: 01/17/17

Aluminum	18.5	2.0	10	ug/L	16.8			9.90	20		
Antimony	1.26	0.020	0.50	ug/L	1.21			4.45	20		
Arsenic	4.82	0.20	0.50	ug/L	4.93			2.12	20		
Barium	167	0.050	0.50	ug/L	168			0.240	20		
Beryllium	ND	0.020	0.10	ug/L	ND				20		U
Boron	234	6.0	50	ug/L	225			3.99	20		
Cadmium	ND	0.050	0.10	ug/L	ND				20		U
Chromium	0.728	0.080	0.50	ug/L	0.793			8.49	20		
Cobalt	0.0873	0.010	0.10	ug/L	0.0906			3.62	20		J
Copper	37.2	0.050	0.50	ug/L	35.0			6.20	20		
Iron	71.4	2.0	50	ug/L	78.1			9.01	20		
Lead	0.430	0.020	0.25	ug/L	0.430			0.0622	20		
Manganese	1.04	0.050	5.0	ug/L	0.760			31.2	20		J
Molybdenum	1.15	0.020	0.25	ug/L	1.25			7.65	20		
Nickel	2.05	0.060	0.50	ug/L	2.32			12.2	20		
Selenium	0.435	0.20	2.0	ug/L	0.461			5.78	20		J
Silver	ND	0.050	0.10	ug/L	ND				20		U
Thallium	ND	0.050	0.10	ug/L	ND				20		U
Vanadium	2.04	0.50	1.0	ug/L	1.75			15.4	20		
Zinc	54.1	0.50	5.0	ug/L	57.5			6.00	20		



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Sample Traps, LLC
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Project Manager: Quality Control Manager
Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

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 AA73680 - EPA 200.8

Matrix Spike (AA73680-MS1)

Source: 17A0782-01

Prepared: 01/12/17 Analyzed: 01/13/17

Aluminum	560	2.0	10	ug/L	520	16.8	104	70-130			
Antimony	22.3	0.020	0.50	ug/L	20.0	1.21	105	70-130			
Arsenic	29.1	0.20	0.50	ug/L	20.0	4.93	121	70-130			
Barium	189	0.050	0.50	ug/L	20.0	168	106	70-130			
Beryllium	17.8	0.020	0.10	ug/L	20.0	ND	89.2	70-130			
Boron	317	6.0	50	ug/L	100	225	92.1	70-130			
Cadmium	20.8	0.050	0.10	ug/L	20.0	ND	104	70-130			
Chromium	21.4	0.080	0.50	ug/L	20.0	0.793	103	70-130			
Cobalt	21.2	0.010	0.10	ug/L	20.0	0.0906	105	70-130			
Copper	54.9	0.050	0.50	ug/L	20.0	35.0	99.4	70-130			
Iron	611	2.0	50	ug/L	520	78.1	103	70-130			
Lead	19.9	0.020	0.25	ug/L	20.0	0.430	97.4	70-130			
Manganese	21.9	0.050	5.0	ug/L	20.0	0.760	106	70-130			
Molybdenum	24.5	0.020	0.25	ug/L	20.0	1.25	116	70-130			
Nickel	22.4	0.060	0.50	ug/L	20.0	2.32	101	70-130			
Selenium	20.8	0.20	2.0	ug/L	20.0	0.461	102	70-130			
Silver	20.2	0.050	0.10	ug/L	20.0	ND	101	70-130			
Thallium	19.5	0.050	0.10	ug/L	20.0	ND	97.4	70-130			
Vanadium	22.8	0.50	1.0	ug/L	20.0	1.75	105	70-130			
Zinc	159	0.50	5.0	ug/L	100	57.5	101	70-130			

Matrix Spike Dup (AA73680-MSD1)

Source: 17A0782-01

Prepared: 01/12/17 Analyzed: 01/13/17

Aluminum	561	2.0	10	ug/L	520	16.8	105	70-130	0.0737	20	
Antimony	22.4	0.020	0.50	ug/L	20.0	1.21	106	70-130	0.524	20	
Arsenic	29.4	0.20	0.50	ug/L	20.0	4.93	122	70-130	1.14	20	
Barium	191	0.050	0.50	ug/L	20.0	168	117	70-130	1.06	20	
Beryllium	17.9	0.020	0.10	ug/L	20.0	ND	89.4	70-130	0.244	20	
Boron	314	6.0	50	ug/L	100	225	89.5	70-130	0.809	20	
Cadmium	20.9	0.050	0.10	ug/L	20.0	ND	104	70-130	0.529	20	
Chromium	21.5	0.080	0.50	ug/L	20.0	0.793	103	70-130	0.500	20	
Cobalt	21.1	0.010	0.10	ug/L	20.0	0.0906	105	70-130	0.162	20	
Copper	55.4	0.050	0.50	ug/L	20.0	35.0	102	70-130	0.991	20	
Iron	616	2.0	50	ug/L	520	78.1	103	70-130	0.766	20	
Lead	20.2	0.020	0.25	ug/L	20.0	0.430	98.7	70-130	1.32	20	
Manganese	22.0	0.050	5.0	ug/L	20.0	0.760	106	70-130	0.480	20	

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

Project Manager: Quality Control Manager
Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

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 AA73680 - EPA 200.8

Matrix Spike Dup (AA73680-MSD1)

Source: 17A0782-01

Prepared: 01/12/17 Analyzed: 01/13/17

Molybdenum	24.4	0.020	0.25	ug/L	20.0	1.25	116	70-130	0.260	20	
Nickel	22.6	0.060	0.50	ug/L	20.0	2.32	101	70-130	0.737	20	
Selenium	21.0	0.20	2.0	ug/L	20.0	0.461	102	70-130	0.537	20	
Silver	20.3	0.050	0.10	ug/L	20.0	ND	102	70-130	0.597	20	
Thallium	19.8	0.050	0.10	ug/L	20.0	ND	99.2	70-130	1.84	20	
Vanadium	22.8	0.50	1.0	ug/L	20.0	1.75	105	70-130	0.171	20	
Zinc	160	0.50	5.0	ug/L	100	57.5	103	70-130	1.12	20	



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Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

Conventional Chemistry Parameters by APHA/EPA 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 AA73131 - General Prep

Blank (AA73131-BLK1)			Prepared & Analyzed: 01/03/17								
Total Organic Carbon	0.167	0.100	0.300	mg/L							J
LCS (AA73131-BS1)			Prepared & Analyzed: 01/03/17								
Total Organic Carbon	10.8	0.100	0.300	mg/L	10.0		108	85-115			
LCS Dup (AA73131-BSD1)			Prepared & Analyzed: 01/03/17								
Total Organic Carbon	10.8	0.100	0.300	mg/L	10.0		108	85-115	0.0717	20	
Duplicate (AA73131-DUP1)			Source: 16L2223-02			Prepared & Analyzed: 01/03/17					
Total Organic Carbon	3.78	0.100	0.300	mg/L		3.58			5.40	20	
Matrix Spike (AA73131-MS1)			Source: 16L2223-02			Prepared & Analyzed: 01/03/17					
Total Organic Carbon	23.8	0.200	0.600	mg/L	20.0	3.58	101	70-130			
Matrix Spike Dup (AA73131-MSD1)			Source: 16L2223-02			Prepared & Analyzed: 01/03/17					
Total Organic Carbon	23.6	0.200	0.600	mg/L	20.0	3.58	100	70-130	0.710	20	



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Project Manager: Quality Control Manager
Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

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 AL64334 - General Preparation

Blank (AL64334-BLK1)

Prepared & Analyzed: 12/30/17

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

LCS (AL64334-BS1)

Prepared & Analyzed: 12/30/16

Nitrite as NO2	19.2	0.070	1.0	mg/L	18.2		106	90-110			
Fluoride	5.52	0.070	0.10	mg/L	5.56		99.3	90-110			
Nitrate as NO3	25	0.20	1.0	mg/L	24.7		100	90-110			
Sulfate as SO4	21.9	0.20	0.50	mg/L	22.2		98.5	90-110			

Duplicate (AL64334-DUP1)

Source: 16L2793-01

Prepared & Analyzed: 12/30/16

Fluoride	0.0760	0.070	0.10	mg/L		0.0740			2.67	20	J
Nitrite as NO2	ND	0.070	1.0	mg/L		ND				20	U
Sulfate as SO4	8.81	0.20	0.50	mg/L		8.74			0.832	20	
Nitrate as NO3	9.8	0.20	1.0	mg/L		9.8			0.295	20	

Matrix Spike (AL64334-MS1)

Source: 16L2793-01

Prepared & Analyzed: 12/30/16

Nitrite as NO2	20.8	0.35	5.0	mg/L	18.2	ND	114	80-120			
Sulfate as SO4	29.1	1.0	2.5	mg/L	22.2	8.74	91.5	80-120			
Nitrate as NO3	33	1.0	5.0	mg/L	24.7	9.8	95.8	80-120			
Fluoride	5.23	0.35	0.50	mg/L	5.56	ND	94.1	80-120			

Matrix Spike (AL64334-MS2)

Source: 16L2794-01

Prepared & Analyzed: 12/30/16

Nitrate as NO3	23	1.0	5.0	mg/L	24.7	1.7	86.8	80-120			
Sulfate as SO4	20.0	1.0	2.5	mg/L	22.2	ND	89.8	80-120			
Nitrite as NO2	20.3	0.35	5.0	mg/L	18.2	ND	111	80-120			
Fluoride	5.02	0.35	0.50	mg/L	5.56	ND	90.4	80-120			



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Project Manager: Quality Control Manager
Project: QC- 32oz Clear Glass Jar
Project Number: Lot Number S6328CUHS

Reported:
01/18/17 09:36

Anions by EPA Method 300.0 - Quality Control

Analyte	Result	MDL	Reporting		Spike Level	Source		%REC		RPD		Notes
			Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch AL64334 - General Preparation

Matrix Spike Dup (AL64334-MSD1)

Source: 16L2793-01

Prepared & Analyzed: 12/30/16

Sulfate as SO4	29.1	1.0	2.5	mg/L	22.2	8.74	91.6	80-120	0.0764	20	
Fluoride	5.24	0.35	0.50	mg/L	5.56	ND	94.3	80-120	0.212	20	
Nitrite as NO2	20.9	0.35	5.0	mg/L	18.2	ND	115	80-120	0.613	20	
Nitrate as NO3	34	1.0	5.0	mg/L	24.7	9.8	96.3	80-120	0.381	20	



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Project Manager: Quality Control Manager

Project: QC- 32oz Clear Glass Jar

Project Number: Lot Number S6328CUHS

Reported:

01/18/17 09:36

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
QM-01	The spike recovery for this QC sample is outside of established control limits possibly due to a sample 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

