



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

09 January 2017

Sample Traps, LLC

Attn: Quality Control Manager

6398 Dougherty Road, Suite 36

Dublin, CA 94568

RE: QC- 2oz Glass Jar

Work Order: 16L2208

Enclosed are the results of analyses for samples received by the laboratory on 12/19/16 13:40. 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- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Q6326CUHS	16L2208-01	Water	12/19/16 00:00	12/19/16 13:40



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Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

Metals (Drinking Water) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
Q6326CUHS (16L2208-01) Water Sampled: 12/19/16 00:00 Received: 12/19/16 13:40												
Calcium	0.034	0.020	1.0		mg/L	1	AL64319	01/03/17 10:30	01/04/17 13:42	EPA 200.7	MAM	J
Magnesium	0.011	0.0080	1.0		mg/L	1	AL64319	01/03/17 10:30	01/04/17 13:42	EPA 200.7	MAM	J
Potassium	ND	0.040	1.0		mg/L	1	AL64319	01/03/17 10:30	01/04/17 13:42	EPA 200.7	MAM	U
Sodium	0.057	0.020	1.0		mg/L	1	AL64319	01/03/17 10:30	01/04/17 13:42	EPA 200.7	MAM	J



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Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
Q6326CUHS (16L2208-01) Water Sampled: 12/19/16 00:00 Received: 12/19/16 13:40												
Mercury	ND	0.010	0.020		ug/L	1	AL64078	12/27/16 07:30	12/28/16 12:44	EPA 245.1	JJM	U
Tin	ND	0.020	0.050		mg/L	1	AL64319	01/03/17 10:30	01/04/17 13:42	EPA 200.7	MAM	U



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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

Metals by EPA Method 200.8 ICP/MS

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
Q6326CUHS (16L2208-01) Water Sampled: 12/19/16 00:00 Received: 12/19/16 13:40												
Aluminum	ND	2.0	10		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Antimony	0.045	0.020	0.50		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	J
Arsenic	ND	0.20	0.50		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Barium	0.14	0.050	0.50		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	J
Beryllium	ND	0.020	0.10		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Boron	59	6.0	50		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	
Cadmium	ND	0.050	0.10		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Chromium	ND	0.080	0.50		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Cobalt	ND	0.010	0.10		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Copper	0.16	0.050	0.50		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	J
Iron	9.1	2.0	50		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	J
Lead	ND	0.020	0.25		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Manganese	0.16	0.050	5.0		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	J
Molybdenum	ND	0.020	0.25		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Nickel	0.67	0.060	0.50		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	
Selenium	ND	0.20	2.0		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Silver	ND	0.050	0.10		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Thallium	ND	0.050	0.10		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Vanadium	ND	0.50	1.0		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	EPA 200.8	MMY	U
Zinc	0.78	0.50	5.0		ug/L	1	AL64326	01/03/17 10:42	01/06/17 07:31	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- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

Conventional Chemistry Parameters by APHA/EPA Methods

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

Q6326CUHS (16L2208-01) Water **Sampled: 12/19/16 00:00** **Received: 12/19/16 13:40**

Total Organic Carbon	0.261	0.100	0.300	mg/L	1	AL64339	12/30/16 13:36	12/31/16 15:41	SM5310C	JJM	J
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Sample Traps, LLC
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Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

Anions by EPA Method 300.0

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
Q6326CUHS (16L2208-01) Water Sampled: 12/19/16 00:00 Received: 12/19/16 13:40												
Fluoride	ND	0.070	0.10		mg/L	1	AL63908	12/21/16 23:01	12/21/16 23:01	EPA 300.0	SMP	U
Nitrate as NO3	ND	0.20	1.0		mg/L	1	AL63908	12/21/16 23:01	12/21/16 23:01	EPA 300.0	SMP	T-2, U
Nitrite as NO2	ND	0.070	1.0		mg/L	1	AL63908	12/21/16 23:01	12/21/16 23:01	EPA 300.0	SMP	T-2, U
Sulfate as SO4	0.27	0.20	0.50		mg/L	1	AL63908	12/21/16 23:01	12/21/16 23:01	EPA 300.0	SMP	J



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Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

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 AL64319 - Metals Digest

Blank (AL64319-BLK1)

Prepared: 01/03/17 Analyzed: 01/04/17

Calcium	0.0253	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	0.0298	0.020	1.0	mg/L							J

LCS (AL64319-BS1)

Prepared: 01/03/17 Analyzed: 01/04/17

Calcium	7.04	0.020	1.0	mg/L	7.20		97.8	85-115			
Magnesium	7.14	0.0080	1.0	mg/L	7.40		96.5	85-115			
Potassium	7.04	0.040	1.0	mg/L	7.60		92.7	85-115			
Sodium	7.76	0.020	1.0	mg/L	7.40		105	85-115			

Duplicate (AL64319-DUP1)

Source: 16L1930-01

Prepared: 01/03/17 Analyzed: 01/04/17

Calcium	7.14	0.020	1.0	mg/L		7.16			0.171	20	
Magnesium	3.70	0.0080	1.0	mg/L		3.74			0.889	20	
Potassium	1.01	0.040	1.0	mg/L		1.00			0.502	20	
Sodium	19.5	0.020	1.0	mg/L		19.6			0.499	20	

Matrix Spike (AL64319-MS1)

Source: 16L1930-01

Prepared: 01/03/17 Analyzed: 01/04/17

Calcium	14.5	0.020	1.0	mg/L	7.20	7.16	101	70-130			
Magnesium	11.9	0.0080	1.0	mg/L	7.40	3.74	110	70-130			
Potassium	8.06	0.040	1.0	mg/L	7.60	1.00	92.8	70-130			
Sodium	26.5	0.020	1.0	mg/L	7.40	19.6	93.7	70-130			

Matrix Spike (AL64319-MS2)

Source: 16L2020-01

Prepared: 01/03/17 Analyzed: 01/04/17

Calcium	87.4	0.020	1.0	mg/L	7.20	82.5	68.2	70-130			QM-4X
Magnesium	71.5	0.0080	1.0	mg/L	7.40	65.2	85.2	70-130			
Potassium	8.67	0.040	1.0	mg/L	7.60	1.38	95.9	70-130			
Sodium	51.0	0.020	1.0	mg/L	7.40	44.8	84.2	70-130			



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Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

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 AL64319 - Metals Digest

Matrix Spike Dup (AL64319-MSD1)

Source: 16L1930-01

Prepared: 01/03/17 Analyzed: 01/04/17

Calcium	14.3	0.020	1.0	mg/L	7.20	7.16	99.8	70-130	0.793	20	
Magnesium	11.7	0.0080	1.0	mg/L	7.40	3.74	107	70-130	1.95	20	
Potassium	8.33	0.040	1.0	mg/L	7.60	1.00	96.4	70-130	3.33	20	
Sodium	26.8	0.020	1.0	mg/L	7.40	19.6	97.2	70-130	0.980	20	



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Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

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 AL64078 - EPA 245.1 Hg Water

Blank (AL64078-BLK1)			Prepared: 12/27/16 Analyzed: 12/28/16								
Mercury	ND	0.010	0.020	ug/L							U
LCS (AL64078-BS1)			Prepared: 12/27/16 Analyzed: 12/28/16								
Mercury	0.265	0.010	0.020	ug/L	0.250		106	85-115			
Duplicate (AL64078-DUP1)			Source: 16L2244-01			Prepared: 12/27/16 Analyzed: 12/28/16					
Mercury	ND	0.010	0.020	ug/L		ND			20		U
Matrix Spike (AL64078-MS1)			Source: 16L2244-01			Prepared: 12/27/16 Analyzed: 12/28/16					
Mercury	0.263	0.010	0.020	ug/L	0.250	ND	105	70-130			
Matrix Spike (AL64078-MS2)			Source: 16L2093-04			Prepared: 12/27/16 Analyzed: 12/28/16					
Mercury	0.267	0.010	0.020	ug/L	0.250	ND	107	70-130			
Matrix Spike Dup (AL64078-MSD1)			Source: 16L2244-01			Prepared: 12/27/16 Analyzed: 12/28/16					
Mercury	0.264	0.010	0.020	ug/L	0.250	ND	106	70-130	0.380	20	

Batch AL64319 - Metals Digest

Blank (AL64319-BLK1)			Prepared: 01/03/17 Analyzed: 01/04/17								
Tin	ND	0.020	0.050	mg/L							U
LCS (AL64319-BS1)			Prepared: 01/03/17 Analyzed: 01/04/17								
Tin	0.210	0.020	0.050	mg/L	0.200		105	85-115			
Duplicate (AL64319-DUP1)			Source: 16L1930-01			Prepared: 01/03/17 Analyzed: 01/04/17					
Tin	ND	0.020	0.050	mg/L		ND			20		U



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Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

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 AL64319 - Metals Digest

Matrix Spike (AL64319-MS1)		Source: 16L1930-01			Prepared: 01/03/17 Analyzed: 01/04/17					
Tin	0.193	0.020	0.050	mg/L	0.200	ND	96.7	70-130		
Matrix Spike (AL64319-MS2)		Source: 16L2020-01			Prepared: 01/03/17 Analyzed: 01/04/17					
Tin	0.189	0.020	0.050	mg/L	0.200	ND	94.4	70-130		
Matrix Spike Dup (AL64319-MSD1)		Source: 16L1930-01			Prepared: 01/03/17 Analyzed: 01/04/17					
Tin	0.193	0.020	0.050	mg/L	0.200	ND	96.3	70-130	0.482	20



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Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

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 AL64326 - EPA 200.8

Blank (AL64326-BLK1)

Prepared: 01/03/17 Analyzed: 01/06/17

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	0.267	0.050	0.50	ug/L							J
Iron	9.52	2.0	50	ug/L							J
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	0.731	0.50	5.0	ug/L							J

LCS (AL64326-BS1)

Prepared: 01/03/17 Analyzed: 01/07/17

Aluminum	550	2.0	10	ug/L	520		106	85-115			
Antimony	20.5	0.020	0.50	ug/L	20.0		102	85-115			
Arsenic	22.2	0.20	0.50	ug/L	20.0		111	85-115			
Barium	21.4	0.050	0.50	ug/L	20.0		107	85-115			
Beryllium	21.1	0.020	0.10	ug/L	20.0		105	85-115			
Boron	98.8	6.0	50	ug/L	100		98.8	85-115			
Cadmium	20.8	0.050	0.10	ug/L	20.0		104	85-115			
Chromium	18.3	0.080	0.50	ug/L	20.0		91.4	85-115			
Cobalt	19.2	0.010	0.10	ug/L	20.0		96.2	85-115			
Copper	20.6	0.050	0.50	ug/L	20.0		103	85-115			
Iron	485	2.0	50	ug/L	520		93.3	85-115			
Lead	19.8	0.020	0.25	ug/L	20.0		99.2	85-115			
Manganese	18.0	0.050	5.0	ug/L	20.0		90.0	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- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

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 AL64326 - EPA 200.8

LCS (AL64326-BS1)

Prepared: 01/03/17 Analyzed: 01/06/17

Molybdenum	22.8	0.020	0.25	ug/L	20.0	114	85-115				
Nickel	19.5	0.060	0.50	ug/L	20.0	97.6	85-115				
Selenium	20.0	0.20	2.0	ug/L	20.0	100	85-115				
Silver	21.8	0.050	0.10	ug/L	20.0	109	85-115				
Thallium	20.0	0.050	0.10	ug/L	20.0	100	85-115				
Vanadium	18.6	0.50	1.0	ug/L	20.0	93.1	85-115				
Zinc	110	0.50	5.0	ug/L	100	110	85-115				

Duplicate (AL64326-DUP1)

Source: 16L1902-02

Prepared: 01/03/17 Analyzed: 01/06/17

Aluminum	29.0	8.0	40	ug/L		25.8		11.7	20		J
Antimony	0.305	0.080	2.0	ug/L		0.166		59.0	20		J
Arsenic	1.75	0.80	2.0	ug/L		1.92		9.15	20		J
Barium	2.69	0.20	2.0	ug/L		2.94		8.63	20		
Beryllium	ND	0.080	0.40	ug/L		ND			20		R-01, U
Boron	54.2	24	200	ug/L		57.1		5.07	20		J
Cadmium	ND	0.20	0.40	ug/L		ND			20		R-01, U
Chromium	ND	0.32	2.0	ug/L		ND			20		R-01, U
Cobalt	0.710	0.040	0.40	ug/L		0.749		5.33	20		
Copper	11.5	0.20	2.0	ug/L		13.4		15.0	20		
Iron	2540	8.0	200	ug/L		2630		3.40	20		
Lead	3.41	0.080	1.0	ug/L		3.59		4.98	20		
Manganese	468	0.20	20	ug/L		485		3.52	20		
Molybdenum	0.464	0.080	1.0	ug/L		0.458		1.21	20		J
Nickel	2.09	0.24	2.0	ug/L		2.18		4.25	20		
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	0.20	0.40	ug/L		ND			20		R-01, U
Vanadium	ND	2.0	4.0	ug/L		ND			20		R-01, U
Zinc	27.4	2.0	20	ug/L		29.8		8.38	20		

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

Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

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 AL64339 - General Prep

Blank (AL64339-BLK1)

Prepared: 12/30/16 Analyzed: 12/31/16

Total Organic Carbon	0.249	0.100	0.300	mg/L							J
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LCS (AL64339-BS1)

Prepared: 12/30/16 Analyzed: 12/31/16

Total Organic Carbon	10.8	0.100	0.300	mg/L	10.0		108	85-115			
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LCS Dup (AL64339-BSD1)

Prepared: 12/30/16 Analyzed: 12/31/16

Total Organic Carbon	10.8	0.100	0.300	mg/L	10.0		108	85-115	0.0332	20	
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Duplicate (AL64339-DUP1)

Source: 16L1837-01

Prepared: 12/30/16 Analyzed: 12/31/16

Total Organic Carbon	2.80	0.100	0.300	mg/L		2.85			1.84	20	
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Matrix Spike (AL64339-MS1)

Source: 16L1837-02

Prepared: 12/30/16 Analyzed: 12/31/16

Total Organic Carbon	22.1	0.200	0.600	mg/L	20.0	0.871	106	70-130			
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Matrix Spike Dup (AL64339-MSD1)

Source: 16L1837-02

Prepared: 12/30/16 Analyzed: 12/31/16

Total Organic Carbon	22.1	0.200	0.600	mg/L	20.0	0.871	106	70-130	0.0465	20	
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Sample Traps, LLC
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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

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 AL63908 - General Preparation

Blank (AL63908-BLK1)

Prepared & Analyzed: 12/21/16

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 (AL63908-BS1)

Prepared & Analyzed: 12/21/16

Sulfate as SO4	22.9	0.20	0.50	mg/L	22.2		103	90-110			
Nitrate as NO3	26	0.20	1.0	mg/L	24.7		103	90-110			
Nitrite as NO2	19.2	0.070	1.0	mg/L	18.2		106	90-110			
Fluoride	5.55	0.070	0.10	mg/L	5.56		99.9	90-110			

Duplicate (AL63908-DUP1)

Source: 16L2059-01

Prepared & Analyzed: 12/21/16

Fluoride	0.0840	0.070	0.10	mg/L		0.0830			1.20	20	J
Sulfate as SO4	37.4	0.20	0.50	mg/L		37.2			0.343	20	
Nitrate as NO3	0.41	0.20	1.0	mg/L		0.41			0.244	20	J
Nitrite as NO2	ND	0.070	1.0	mg/L		ND				20	U

Matrix Spike (AL63908-MS1)

Source: 16L2059-01

Prepared & Analyzed: 12/21/16

Sulfate as SO4	60.4	1.0	2.5	mg/L	22.2	37.2	104	80-120			
Nitrate as NO3	24	1.0	5.0	mg/L	24.7	ND	98.5	80-120			
Fluoride	5.19	0.35	0.50	mg/L	5.56	ND	93.5	80-120			
Nitrite as NO2	20.1	0.35	5.0	mg/L	18.2	ND	110	80-120			

Matrix Spike (AL63908-MS2)

Source: 16L2084-01

Prepared & Analyzed: 12/21/16

Nitrate as NO3	27	0.20	1.0	mg/L	24.7	ND	107	80-120			
Fluoride	5.90	0.070	0.10	mg/L	5.56	0.179	103	80-120			
Nitrite as NO2	19.8	0.070	1.0	mg/L	18.2	ND	109	80-120			
Sulfate as SO4	39.2	0.20	0.50	mg/L	22.2	16.2	103	80-120			



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Sample Traps, LLC
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Dublin CA, 94568

Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

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 AL63908 - General Preparation

Matrix Spike Dup (AL63908-MSD1)

Source: 16L2059-01

Prepared & Analyzed: 12/21/16

Nitrate as NO3	24	1.0	5.0	mg/L	24.7	ND	96.7	80-120	1.80	20	
Sulfate as SO4	60.2	1.0	2.5	mg/L	22.2	37.2	104	80-120	0.221	20	
Nitrite as NO2	20.3	0.35	5.0	mg/L	18.2	ND	112	80-120	1.18	20	
Fluoride	5.15	0.35	0.50	mg/L	5.56	ND	92.7	80-120	0.859	20	



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Project Manager: Quality Control Manager
Project: QC- 2oz Glass Jar
Project Number: Lot Number Q6326CUHS

Reported:
01/09/17 12:54

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-2 Sample analyzed outside of recommended holding time per client.
- 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

