



*Alpha*

Alpha Analytical Laboratories Inc.

e-mail: [clientservices@alpha-labs.com](mailto: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

16 January 2017

Sample Traps, LLC

Attn: Quality Control Manager

6398 Dougherty Road, Suite 36

Dublin, CA 94568

RE: QC- 16oz Clear Glass Jar

Work Order: 16L2707

Enclosed are the results of analyses for samples received by the laboratory on 12/29/16 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- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
R6327CUHS	16L2707-01	Water	12/29/16 00:00	12/29/16 08:00



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Project Manager: Quality Control Manager  
Project: QC- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

### Metals (Drinking Water) by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>R6327CUHS (16L2707-01) Water    Sampled: 12/29/16 00:00    Received: 12/29/16 08:00</b>												
<b>Calcium</b>	<b>0.049</b>	<b>0.020</b>	<b>1.0</b>	<b>mg/L</b>	1	AA73608	01/12/17 16:03	01/13/17 15:01	EPA 200.7	MAM	J	
Magnesium	ND	0.0080	1.0	mg/L	1	AA73608	01/12/17 16:03	01/13/17 15:01	EPA 200.7	MAM	U	
Potassium	ND	0.040	1.0	mg/L	1	AA73608	01/12/17 16:03	01/13/17 15:01	EPA 200.7	MAM	U	
<b>Sodium</b>	<b>0.23</b>	<b>0.020</b>	<b>1.0</b>	<b>mg/L</b>	1	AA73608	01/12/17 16:03	01/13/17 15:01	EPA 200.7	MAM	J	



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Project Manager: Quality Control Manager  
Project: QC- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

### Metals by EPA 200 Series Methods

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>R6327CUHS (16L2707-01) Water    Sampled: 12/29/16 00:00    Received: 12/29/16 08:00</b>												
Mercury	ND	0.010	0.020		ug/L	1	AA73135	01/03/17 10:17	01/05/17 08:47	EPA 245.1	JJM	U
Tin	ND	0.020	0.050		mg/L	1	AA73608	01/12/17 16:03	01/13/17 15:01	EPA 200.7	MAM	U



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Project Manager: Quality Control Manager  
Project: QC- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

### Metals by EPA Method 200.8 ICP/MS

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>R6327CUHS (16L2707-01) Water Sampled: 12/29/16 00:00 Received: 12/29/16 08:00</b>												
Aluminum	ND	2.0	10		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
<b>Antimony</b>	<b>0.048</b>	<b>0.020</b>	<b>0.50</b>		<b>ug/L</b>	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	J
Arsenic	ND	0.20	0.50		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
<b>Barium</b>	<b>3.3</b>	<b>0.050</b>	<b>0.50</b>		<b>ug/L</b>	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	
Beryllium	ND	0.020	0.10		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Boron	ND	6.0	50		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Cadmium	ND	0.050	0.10		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Chromium	ND	0.080	0.50		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Cobalt	ND	0.010	0.10		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Copper	ND	0.050	0.50		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Iron	ND	2.0	50		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Lead	ND	0.020	0.25		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Manganese	ND	0.050	5.0		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Molybdenum	ND	0.020	0.25		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Nickel	ND	0.060	0.50		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Selenium	ND	0.20	2.0		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Silver	ND	0.050	0.10		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Thallium	ND	0.050	0.10		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
Vanadium	ND	0.50	1.0		ug/L	1	AA73609	01/12/17 16:06	01/13/17 13:07	EPA 200.8	MMY	U
<b>Zinc</b>	<b>0.57</b>	<b>0.50</b>	<b>5.0</b>		<b>ug/L</b>	1	AA73609	01/12/17 16:06	01/13/17 13:07	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- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

### Conventional Chemistry Parameters by APHA/EPA Methods

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

**R6327CUHS (16L2707-01) Water**    **Sampled: 12/29/16 00:00**    **Received: 12/29/16 08:00**

<b>Total Organic Carbon</b>	<b>0.143</b>	<b>0.100</b>	<b>0.300</b>	<b>mg/L</b>	<b>1</b>	<b>AA73131</b>	<b>01/03/17 08:52</b>	<b>01/03/17 16:09</b>	<b>SM5310C</b>	<b>JJM</b>	<b>J</b>
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Project Manager: Quality Control Manager  
Project: QC- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

**Anions by EPA Method 300.0**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>R6327CUHS (16L2707-01) Water    Sampled: 12/29/16 00:00    Received: 12/29/16 08:00</b>												
Fluoride	ND	0.070	0.10		mg/L	1	AL64334	12/30/16 13:05	12/30/16 13:05	EPA 300.0	SMP	U
Nitrate as NO3	ND	0.20	1.0		mg/L	1	AL64334	12/30/16 13:05	12/30/16 13:05	EPA 300.0	SMP	U
Nitrite as NO2	ND	0.070	1.0		mg/L	1	AL64334	12/30/16 13:05	12/30/16 13:05	EPA 300.0	SMP	U
<b>Sulfate as SO4</b>	<b>0.27</b>	<b>0.20</b>	<b>0.50</b>		<b>mg/L</b>	1	AL64334	12/30/16 13:05	12/30/16 13:05	EPA 300.0	SMP	J



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Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

**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 AA73608 - Metals Digest**

**Blank (AA73608-BLK1)**

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

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 (AA73608-BS1)**

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

Calcium	6.94	0.020	1.0	mg/L	7.20		96.4	85-115			
Magnesium	7.08	0.0080	1.0	mg/L	7.40		95.6	85-115			
Potassium	7.28	0.040	1.0	mg/L	7.60		95.8	85-115			
Sodium	6.93	0.020	1.0	mg/L	7.40		93.7	85-115			

**Duplicate (AA73608-DUP1)**

Source: 16L2735-03

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

Calcium	82.1	0.020	1.0	mg/L		82.3			0.170	20	
Magnesium	27.7	0.0080	1.0	mg/L		27.9			0.610	20	
Potassium	2.98	0.040	1.0	mg/L		2.96			0.624	20	
Sodium	25.2	0.020	1.0	mg/L		25.0			0.801	20	

**Matrix Spike (AA73608-MS1)**

Source: 16L2735-03

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

Calcium	82.9	0.020	1.0	mg/L	7.20	82.3	8.39	70-130			QM-04
Magnesium	33.7	0.0080	1.0	mg/L	7.40	27.9	78.8	70-130			
Potassium	10.3	0.040	1.0	mg/L	7.60	2.96	96.1	70-130			
Sodium	30.1	0.020	1.0	mg/L	7.40	25.0	68.0	70-130			QM-01

**Matrix Spike (AA73608-MS2)**

Source: 16L2613-01

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

Calcium	18.9	0.020	1.0	mg/L	7.20	12.0	95.5	70-130			
Magnesium	7.93	0.0080	1.0	mg/L	7.40	0.733	97.3	70-130			
Potassium	9.95	0.040	1.0	mg/L	7.60	2.39	99.5	70-130			
Sodium	14.3	0.020	1.0	mg/L	7.40	7.35	94.5	70-130			





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Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

**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 AA73608 - Metals Digest**

**Matrix Spike Dup (AA73608-MSD1)**

**Source: 16L2735-03**

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

Calcium	77.8	0.020	1.0	mg/L	7.20	82.3	NR	70-130	6.28	20	QM-04
Magnesium	31.2	0.0080	1.0	mg/L	7.40	27.9	44.4	70-130	7.85	20	QM-01
Potassium	10.2	0.040	1.0	mg/L	7.60	2.96	94.7	70-130	1.02	20	
Sodium	27.9	0.020	1.0	mg/L	7.40	25.0	38.8	70-130	7.45	20	QM-01



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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 AA73135 - EPA 245.1 Hg Water**

<b>Blank (AA73135-BLK1)</b>			Prepared: 01/03/17 Analyzed: 01/05/17								
Mercury	ND	0.010	0.020	ug/L							U
<b>LCS (AA73135-BS1)</b>			Prepared: 01/03/17 Analyzed: 01/05/17								
Mercury	0.231	0.010	0.020	ug/L	0.250		92.4	85-115			
<b>Duplicate (AA73135-DUP1)</b>			<b>Source: 16L2356-02</b>			Prepared: 01/03/17 Analyzed: 01/05/17					
Mercury	ND	0.010	0.020	ug/L		ND			20		U
<b>Matrix Spike (AA73135-MS1)</b>			<b>Source: 16L2356-02</b>			Prepared: 01/03/17 Analyzed: 01/05/17					
Mercury	0.246	0.010	0.020	ug/L	0.250	ND	98.4	70-130			
<b>Matrix Spike (AA73135-MS2)</b>			<b>Source: 16L2688-02</b>			Prepared: 01/03/17 Analyzed: 01/05/17					
Mercury	0.308	0.010	0.020	ug/L	0.250	ND	123	70-130			
<b>Matrix Spike Dup (AA73135-MSD1)</b>			<b>Source: 16L2356-02</b>			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 AA73608 - Metals Digest**

<b>Blank (AA73608-BLK1)</b>			Prepared: 01/12/17 Analyzed: 01/13/17								
Tin	ND	0.020	0.050	mg/L							U
<b>LCS (AA73608-BS1)</b>			Prepared: 01/12/17 Analyzed: 01/13/17								
Tin	0.207	0.020	0.050	mg/L	0.200		104	85-115			
<b>Duplicate (AA73608-DUP1)</b>			<b>Source: 16L2735-03</b>			Prepared: 01/12/17 Analyzed: 01/13/17					
Tin	ND	0.020	0.050	mg/L		ND			20		U



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Project Number: Lot Number R6327CUHS

Reported:  
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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 AA73608 - Metals Digest

<b>Matrix Spike (AA73608-MS1)</b>		<b>Source: 16L2735-03</b>			<b>Prepared: 01/12/17 Analyzed: 01/13/17</b>						
Tin	0.195	0.020	0.050	mg/L	0.200	ND	97.4	70-130			
<b>Matrix Spike (AA73608-MS2)</b>		<b>Source: 16L2613-01</b>			<b>Prepared: 01/12/17 Analyzed: 01/13/17</b>						
Tin	0.188	0.020	0.050	mg/L	0.200	ND	93.9	70-130			
<b>Matrix Spike Dup (AA73608-MSD1)</b>		<b>Source: 16L2735-03</b>			<b>Prepared: 01/12/17 Analyzed: 01/13/17</b>						
Tin	0.187	0.020	0.050	mg/L	0.200	ND	93.3	70-130	4.37	20	



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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 AA73609 - EPA 200.8**

**Blank (AA73609-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	0.716	0.50	5.0	ug/L							J

**LCS (AA73609-BS1)**

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

Aluminum	543	2.0	10	ug/L	520	104	85-115
Antimony	21.8	0.020	0.50	ug/L	20.0	109	85-115
Arsenic	22.3	0.20	0.50	ug/L	20.0	112	85-115
Barium	21.0	0.050	0.50	ug/L	20.0	105	85-115
Beryllium	21.6	0.020	0.10	ug/L	20.0	108	85-115
Boron	99.4	6.0	50	ug/L	100	99.4	85-115
Cadmium	21.5	0.050	0.10	ug/L	20.0	108	85-115
Chromium	21.2	0.080	0.50	ug/L	20.0	106	85-115
Cobalt	20.8	0.010	0.10	ug/L	20.0	104	85-115
Copper	20.2	0.050	0.50	ug/L	20.0	101	85-115
Iron	523	2.0	50	ug/L	520	101	85-115
Lead	20.8	0.020	0.25	ug/L	20.0	104	85-115
Manganese	21.0	0.050	5.0	ug/L	20.0	105	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.



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- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

### 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 AA73609 - EPA 200.8

##### LCS (AA73609-BS1)

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

Molybdenum	21.5	0.020	0.25	ug/L	20.0	108	85-115				
Nickel	21.0	0.060	0.50	ug/L	20.0	105	85-115				
Selenium	21.1	0.20	2.0	ug/L	20.0	105	85-115				
Silver	20.9	0.050	0.10	ug/L	20.0	104	85-115				
Thallium	20.7	0.050	0.10	ug/L	20.0	104	85-115				
Vanadium	20.9	0.50	1.0	ug/L	20.0	104	85-115				
Zinc	105	0.50	5.0	ug/L	100	105	85-115				

##### Duplicate (AA73609-DUP1)

Source: 16L2695-01

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

Aluminum	8.89	8.0	40	ug/L	ND				20		R-01, J
Antimony	0.133	0.080	2.0	ug/L	0.119			11.4	20		R-01, J
Arsenic	2.18	0.80	2.0	ug/L	2.48			12.5	20		
Barium	113	0.20	2.0	ug/L	111			1.75	20		
Beryllium	ND	0.080	0.40	ug/L	ND				20		R-01, U
Boron	106	24	200	ug/L	104			1.69	20		R-01, J
Cadmium	ND	0.20	0.40	ug/L	ND				20		R-01, U
Chromium	2.34	0.32	2.0	ug/L	2.22			5.43	20		
Cobalt	0.138	0.040	0.40	ug/L	0.534			118	20		R-01, J
Copper	24.9	0.20	2.0	ug/L	24.8			0.458	20		
Iron	179	8.0	200	ug/L	176			2.05	20		R-01, J
Lead	2.17	0.080	1.0	ug/L	2.14			1.24	20		
Manganese	2.35	0.20	20	ug/L	2.23			4.90	20		R-01, J
Molybdenum	0.848	0.080	1.0	ug/L	0.847			0.0902	20		R-01, J
Nickel	0.274	0.24	2.0	ug/L	ND				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	0.20	0.40	ug/L	ND				20		R-01, U
Vanadium	18.8	2.0	4.0	ug/L	17.6			6.35	20		
Zinc	4.52	2.0	20	ug/L	3.54			24.5	20		R-01, J



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

Project Manager: Quality Control Manager  
Project: QC- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

### Metals by EPA Method 200.8 ICP/MS - Quality Control

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

#### Batch AA73609 - EPA 200.8

##### Matrix Spike (AA73609-MS2)

Source: 17A0574-01

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

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Notes
Aluminum	532	2.0	10	ug/L	520	14.3	99.6	70-130			
Antimony	21.1	0.020	0.50	ug/L	20.0	0.363	104	70-130			
Arsenic	22.7	0.20	0.50	ug/L	20.0	0.799	109	70-130			
Barium	38.4	0.050	0.50	ug/L	20.0	18.7	98.1	70-130			
Beryllium	18.9	0.020	0.10	ug/L	20.0	ND	94.4	70-130			
Boron	263	6.0	50	ug/L	100	171	92.1	70-130			
Cadmium	20.0	0.050	0.10	ug/L	20.0	ND	100	70-130			
Chromium	20.3	0.080	0.50	ug/L	20.0	0.233	100	70-130			
Cobalt	20.3	0.010	0.10	ug/L	20.0	0.376	99.8	70-130			
Copper	23.3	0.050	0.50	ug/L	20.0	4.12	96.0	70-130			
Iron	560	2.0	50	ug/L	520	62.3	95.7	70-130			
Lead	19.0	0.020	0.25	ug/L	20.0	0.134	94.3	70-130			
Manganese	40.0	0.050	5.0	ug/L	20.0	21.0	95.0	70-130			
Molybdenum	22.4	0.020	0.25	ug/L	20.0	0.872	108	70-130			
Nickel	22.4	0.060	0.50	ug/L	20.0	2.74	98.2	70-130			
Selenium	19.7	0.20	2.0	ug/L	20.0	ND	98.4	70-130			
Silver	19.3	0.050	0.10	ug/L	20.0	ND	96.5	70-130			
Thallium	19.1	0.050	0.10	ug/L	20.0	ND	95.5	70-130			
Vanadium	23.5	0.50	1.0	ug/L	20.0	2.98	102	70-130			
Zinc	121	0.50	5.0	ug/L	100	27.9	93.3	70-130			



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

Project Manager: Quality Control Manager  
Project: QC- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

### 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

<b>Blank (AA73131-BLK1)</b>			Prepared & Analyzed: 01/03/17								
Total Organic Carbon	0.167	0.100	0.300	mg/L							J
<b>LCS (AA73131-BS1)</b>			Prepared & Analyzed: 01/03/17								
Total Organic Carbon	10.8	0.100	0.300	mg/L	10.0		108	85-115			
<b>LCS Dup (AA73131-BSD1)</b>			Prepared & Analyzed: 01/03/17								
Total Organic Carbon	10.8	0.100	0.300	mg/L	10.0		108	85-115	0.0717	20	
<b>Duplicate (AA73131-DUP1)</b>			<b>Source: 16L2223-02</b>			Prepared & Analyzed: 01/03/17					
Total Organic Carbon	3.78	0.100	0.300	mg/L		3.58			5.40	20	
<b>Matrix Spike (AA73131-MS1)</b>			<b>Source: 16L2223-02</b>			Prepared & Analyzed: 01/03/17					
Total Organic Carbon	23.8	0.200	0.600	mg/L	20.0	3.58	101	70-130			
<b>Matrix Spike Dup (AA73131-MSD1)</b>			<b>Source: 16L2223-02</b>			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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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- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

### 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
Fluoride	ND	0.070	0.10	mg/L							U
Sulfate as SO4	ND	0.20	0.50	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

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

##### Matrix Spike (AL64334-MS1)

Source: 16L2793-01

Prepared & Analyzed: 12/30/16

Fluoride	5.23	0.35	0.50	mg/L	5.56	ND	94.1	80-120			
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			

##### 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			
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			
Sulfate as SO4	20.0	1.0	2.5	mg/L	22.2	ND	89.8	80-120			





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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

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

Project Manager: Quality Control Manager  
Project: QC- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

### 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

##### 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	
Nitrite as NO2	20.9	0.35	5.0	mg/L	18.2	ND	115	80-120	0.613	20	
Fluoride	5.24	0.35	0.50	mg/L	5.56	ND	94.3	80-120	0.212	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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e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com)

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Project Manager: Quality Control Manager  
Project: QC- 16oz Clear Glass Jar  
Project Number: Lot Number R6327CUHS

Reported:  
01/16/17 16:22

### 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.
QM-04	High RPD and/or poor percent recovery may reflect sample non-homogeneity.
R-01	The Reporting Limit for this analyte has been raised to account for 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



Laboratory & Corporate: 208 Mason Street, Ukiah, CA 95482 707-468-0401 Fax: 707-468-5267

Service Center & Micro Lab: 6398 Dougherty Rd, Ste 35, Dublin, CA 94568 925-828-6226 Fax: 925-828-6309

# Chain of Custody Record

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

Lab No. 16L2707 Page      of     

Signature below authorizes work under terms stated on reverse side.

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- 16oz clear glass jar  
Project No: Lot number R6327CUHS  
PO/Reference :     

Analyses Requested				

TAT:  10 days  
 **RUSH:** 5 days  
 48 hours  
 Other:      days

Sample Notes (lab use only)  
Temperature:      deg. C  
Shipment Method:       
Custody Seals: Y / N

Samplers Signature: N/A  
Print:     

Container:	Preservative:	Matrix:
40ml VOA <input type="checkbox"/>	HCL <input type="checkbox"/>	Water <input type="checkbox"/>
Poly <input type="checkbox"/>	Methanol <input type="checkbox"/>	Container <input type="checkbox"/>
Glass bottle <input type="checkbox"/>	Na Bisulfate <input type="checkbox"/>	
Glass Jar <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	

Sample Identification	Sampled:		: Total Number of Containers													
	Date	Time	40ml VOA	Poly	Glass bottle	Glass Jar	HCL	Methanol	Na Bisulfate	Other	None	Water	Container	Sample Traps Inorganics	TOC	include MDL flags
R6327CUHS	x	x				x				x		x	3	x	x	x

Sample Notes or CDPH Source Numbers:     

Relinquished by:       
Received by:       
Date: 12-29-16 Time: 0800

CDPH Write On EDT Transmission?  Yes  No  
State System Number:       
If "Y" please enter the Source Number(s) in the column above  
CA Geotracker EDF Report?  Yes  No  
Global ID:      Sampling Company Log Code:       
EDF to (Email Address):       
Travel and Site Time:      Mileage:      Misc. Supplies: