



*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

19 August 2014

Sample Traps, LLC

Attn: Quality Control Manager

6398 Dougherty Road, Suite 36

Dublin, CA 94568

RE: QC- Water Quality

Work Order: 14H0552

Enclosed are the results of analyses for samples received by the laboratory on 08/07/14 21:45. 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: QC- Water Quality

Project Number: 4oz Amber Jar

Project Manager: Quality Control Manager

**Reported:**

08/19/14 14:31

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C4219CUHS	14H0552-01	Water	08/07/14 18:50	08/07/14 21:45

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

Project: QC- Water Quality  
Project Number: 4oz Amber Jar  
Project Manager: Quality Control Manager

**Reported:**  
08/19/14 14:31

**Metals (Drinking Water) by EPA 200 Series Methods**  
**Alpha Analytical Laboratories, Inc.**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>C4219CUHS (14H0552-01) Water    Sampled: 08/07/14 18:50    Received: 08/07/14 21:45</b>												
<b>Calcium</b>	<b>0.21</b>	0.010	1.0		mg/L	1	AH41135	08/11/14 11:03	08/14/14 12:09	EPA 200.7	MAM	J
<b>Magnesium</b>	<b>0.024</b>	0.0080	1.0		"	"	"	"	"	"	"	J
Potassium	ND	0.0080	1.0		"	"	"	"	"	"	"	U
<b>Sodium</b>	<b>0.25</b>	0.020	1.0		"	"	"	"	"	"	"	J

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**Metals by EPA 200 Series Methods**  
**Alpha Analytical Laboratories, Inc.**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>C4219CUHS (14H0552-01) Water    Sampled: 08/07/14 18:50    Received: 08/07/14 21:45</b>												
Mercury	0.012	0.0020	0.020		ug/L	1	AH41360	08/13/14 15:49	08/18/14 11:55	EPA 245.1	JJM	J
Tin	ND	0.020	0.050		mg/L	"	AH41135	08/11/14 11:03	08/14/14 12:09	EPA 200.7	MAM	U

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Project: QC- Water Quality  
Project Number: 4oz Amber Jar  
Project Manager: Quality Control Manager

**Reported:**  
08/19/14 14:31

**Metals by EPA Method 200.8 ICP/MS**  
**Alpha Analytical Laboratories, Inc.**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>C4219CUHS (14H0552-01) Water Sampled: 08/07/14 18:50 Received: 08/07/14 21:45</b>												
<b>Aluminum</b>	<b>6.6</b>	1.6	8.0		ug/L	1	AH41430	08/14/14 10:53	08/14/14 17:55	EPA 200.8	TML	J
Antimony	ND	0.016	0.40		"	"	"	"	"	"	"	U
Arsenic	ND	0.16	0.40		"	"	"	"	"	"	"	U
<b>Barium</b>	<b>0.27</b>	0.024	0.40		"	"	"	"	"	"	"	J
Beryllium	ND	0.016	0.080		"	"	"	"	"	"	"	U
Boron	ND	4.8	40		"	"	"	"	"	"	"	U
Cadmium	ND	0.016	0.080		"	"	"	"	"	"	"	U
<b>Chromium</b>	<b>0.39</b>	0.064	0.40		"	"	"	"	"	"	"	J
Cobalt	ND	0.0080	0.080		"	"	"	"	"	"	"	U
<b>Copper</b>	<b>1.4</b>	0.032	0.40		"	"	"	"	"	"	"	J
<b>Iron</b>	<b>21</b>	1.6	40		"	"	"	"	"	"	"	J
<b>Lead</b>	<b>0.032</b>	0.016	0.20		"	"	"	"	"	"	"	J
<b>Manganese</b>	<b>0.025</b>	0.024	4.0		"	"	"	"	"	"	"	J
Molybdenum	ND	0.016	0.20		"	"	"	"	"	"	"	U
Nickel	ND	0.048	0.40		"	"	"	"	"	"	"	U
Selenium	ND	0.16	1.6		"	"	"	"	"	"	"	U
Silver	ND	0.016	0.080		"	"	"	"	"	"	"	U
Thallium	ND	0.016	0.080		"	"	"	"	"	"	"	U
Vanadium	ND	0.24	0.80		"	"	"	"	"	"	"	U
<b>Zinc</b>	<b>0.63</b>	0.40	4.0		"	"	"	"	"	"	"	J

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Project Number: 4oz Amber Jar  
Project Manager: Quality Control Manager

**Reported:**  
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**Conventional Chemistry Parameters by APHA/EPA Methods**  
**Alpha Analytical Laboratories, Inc.**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>C4219CUHS (14H0552-01) Water</b> <b>Sampled: 08/07/14 18:50</b> <b>Received: 08/07/14 21:45</b>												
Total Organic Carbon	ND	0.100	0.300		mg/L	1	AH41234	08/12/14 09:41	08/12/14 22:17	SM5310C	RLB	U

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Project: QC- Water Quality  
Project Number: 4oz Amber Jar  
Project Manager: Quality Control Manager

**Reported:**  
08/19/14 14:31

**Anions by EPA Method 300.0**  
**Alpha Analytical Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
<b>C4219CUHS (14H0552-01) Water    Sampled: 08/07/14 18:50    Received: 08/07/14 21:45</b>											
Fluoride	ND	0.070	0.10	mg/L	1	AH40825	08/08/14 15:23	08/08/14 15:23	EPA 300.0	SMP	U
<b>Nitrate as NO3</b>	<b>0.55</b>	0.20	1.0	"	"	"	"	"	"	"	J
Nitrite as NO2	ND	0.020	1.0	"	"	"	"	"	"	"	U
<b>Sulfate as SO4</b>	<b>0.56</b>	0.090	0.50	"	"	"	"	"	"	"	

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Project: QC- Water Quality  
Project Number: 4oz Amber Jar  
Project Manager: Quality Control Manager

**Reported:**  
08/19/14 14:31

### Metals (Drinking Water) by EPA 200 Series Methods - Quality Control

#### Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch AH41135 - Metals Digest

##### Blank (AH41135-BLK1)

Prepared & Analyzed: 08/11/14

Calcium	0.0100	0.010	1.0	mg/L							J
Magnesium	ND	0.0080	1.0	"							U
Potassium	ND	0.0080	1.0	"							U
Sodium	ND	0.020	1.0	"							U

##### LCS (AH41135-BS1)

Prepared & Analyzed: 08/11/14

Calcium	7.42	0.010	1.0	mg/L	8.00		92.8	85-115			
Magnesium	7.41	0.0080	1.0	"	8.00		92.6	85-115			
Potassium	7.55	0.0080	1.0	"	8.00		94.4	85-115			
Sodium	7.49	0.020	1.0	"	8.00		93.7	85-115			

##### Duplicate (AH41135-DUP1)

Source: 14H0618-01

Prepared & Analyzed: 08/11/14

Calcium	40.3	0.010	1.0	mg/L		37.7			6.55	20	
Magnesium	13.5	0.0080	1.0	"		13.2			2.32	20	
Potassium	1.09	0.0080	1.0	"		1.11			1.96	20	
Sodium	9.87	0.020	1.0	"		10.0			1.59	20	

##### Matrix Spike (AH41135-MS1)

Source: 14H0618-01

Prepared & Analyzed: 08/11/14

Calcium	47.8	0.010	1.0	mg/L	8.00	37.7	126	70-130			
Magnesium	21.1	0.0080	1.0	"	8.00	13.2	98.8	70-130			
Potassium	8.96	0.0080	1.0	"	8.00	1.11	98.1	70-130			
Sodium	17.9	0.020	1.0	"	8.00	10.0	97.8	70-130			

##### Matrix Spike Dup (AH41135-MSD1)

Source: 14H0618-01

Prepared & Analyzed: 08/11/14

Calcium	47.0	0.010	1.0	mg/L	8.00	37.7	116	70-130	1.61	20	
Magnesium	20.8	0.0080	1.0	"	8.00	13.2	95.6	70-130	1.22	20	
Potassium	8.75	0.0080	1.0	"	8.00	1.11	95.4	70-130	2.40	20	
Sodium	17.6	0.020	1.0	"	8.00	10.0	94.5	70-130	1.48	20	

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Project: QC- Water Quality  
Project Number: 4oz Amber Jar  
Project Manager: Quality Control Manager

**Reported:**  
08/19/14 14:31

**Metals by EPA 200 Series Methods - Quality Control**

**Alpha Analytical Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH41135 - Metals Digest**

<b>Blank (AH41135-BLK1)</b>					Prepared & Analyzed: 08/11/14						
Tin	ND	0.020	0.050	mg/L							U

<b>LCS (AH41135-BS1)</b>					Prepared & Analyzed: 08/11/14						
Tin	0.195	0.020	0.050	mg/L	0.200		97.4	85-115			

<b>Duplicate (AH41135-DUP1)</b>					Source: 14H0618-01 Prepared & Analyzed: 08/11/14						
Tin	ND	0.020	0.050	mg/L		ND				20	U

<b>Matrix Spike (AH41135-MS1)</b>					Source: 14H0618-01 Prepared & Analyzed: 08/11/14						
Tin	0.192	0.020	0.050	mg/L	0.200	ND	95.9	70-130			

<b>Matrix Spike Dup (AH41135-MSD1)</b>					Source: 14H0618-01 Prepared & Analyzed: 08/11/14						
Tin	0.192	0.020	0.050	mg/L	0.200	ND	95.8	70-130	0.114	20	

**Batch AH41360 - EPA 245.1 Hg Water**

<b>Blank (AH41360-BLK1)</b>					Prepared: 08/13/14 Analyzed: 08/18/14						
Mercury	ND	0.0020	0.020	ug/L							U

<b>LCS (AH41360-BS1)</b>					Prepared: 08/13/14 Analyzed: 08/18/14						
Mercury	0.253	0.0020	0.020	ug/L	0.250		101	85-115			

<b>Duplicate (AH41360-DUP1)</b>					Source: 14H0497-04 Prepared: 08/13/14 Analyzed: 08/18/14						
Mercury	0.00730	0.0020	0.020	ug/L		0.00830			12.8	20	J

<b>Matrix Spike (AH41360-MS1)</b>					Source: 14H0497-04 Prepared: 08/13/14 Analyzed: 08/18/14						
Mercury	0.267	0.0020	0.020	ug/L	0.250	0.00830	103	70-130			

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6398 Dougherty Road, Suite 36

Dublin CA, 94568

Project: QC- Water Quality

Project Number: 4oz Amber Jar

Project Manager: Quality Control Manager

Reported:

08/19/14 14:31

### Metals by EPA 200 Series Methods - Quality Control

#### Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch AH41360 - EPA 245.1 Hg Water

##### Matrix Spike (AH41360-MS2)

Source: 14H0501-04

Prepared: 08/13/14 Analyzed: 08/18/14

Mercury	0.260	0.0020	0.020	ug/L	0.250	0.00280	103	70-130			
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##### Matrix Spike Dup (AH41360-MSD1)

Source: 14H0497-04

Prepared: 08/13/14 Analyzed: 08/18/14

Mercury	0.263	0.0020	0.020	ug/L	0.250	0.00830	102	70-130	1.51	20	
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Project: QC- Water Quality  
Project Number: 4oz Amber Jar  
Project Manager: Quality Control Manager

Reported:  
08/19/14 14:31

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

**Alpha Analytical Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH41430 - EPA 200 Series**

**Blank (AH41430-BLK1)**

Prepared & Analyzed: 08/14/14

Aluminum	ND	1.6	8.0	ug/L							U
Antimony	0.0859	0.016	0.40	"							J
Arsenic	ND	0.16	0.40	"							U
Barium	ND	0.024	0.40	"							U
Beryllium	ND	0.016	0.080	"							U
Boron	ND	4.8	40	"							U
Cadmium	ND	0.016	0.080	"							U
Chromium	ND	0.064	0.40	"							U
Cobalt	0.802	0.0080	0.080	"							J
Copper	ND	0.032	0.40	"							U
Iron	9.12	1.6	40	"							J
Lead	ND	0.016	0.20	"							U
Manganese	ND	0.024	4.0	"							U
Molybdenum	0.0254	0.016	0.20	"							J
Nickel	ND	0.048	0.40	"							U
Selenium	0.191	0.16	1.6	"							J
Silver	0.0604	0.016	0.080	"							J
Thallium	ND	0.016	0.080	"							U
Vanadium	ND	0.24	0.80	"							U
Zinc	ND	0.40	4.0	"							U

**LCS (AH41430-BS1)**

Prepared & Analyzed: 08/14/14

Aluminum	501	1.6	8.0	ug/L	520	96.3	85-115
Antimony	21.5	0.016	0.40	"	20.0	107	85-115
Arsenic	21.6	0.16	0.40	"	20.0	108	85-115
Barium	21.6	0.024	0.40	"	20.0	108	85-115
Beryllium	22.4	0.016	0.080	"	20.0	112	85-115
Boron	96.6	4.8	40	"	100	96.6	85-115
Cadmium	20.4	0.016	0.080	"	20.0	102	85-115
Chromium	21.5	0.064	0.40	"	20.0	108	85-115
Cobalt	21.7	0.0080	0.080	"	20.0	108	85-115
Copper	20.4	0.032	0.40	"	20.0	102	85-115

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Project Number: 4oz Amber Jar  
Project Manager: Quality Control Manager

Reported:  
08/19/14 14:31

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

**Alpha Analytical Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH41430 - EPA 200 Series**

**LCS (AH41430-BS1)**

Prepared & Analyzed: 08/14/14

Iron	528	1.6	40	ug/L	520		102	85-115			
Lead	20.3	0.016	0.20	"	20.0		102	85-115			
Manganese	20.7	0.024	4.0	"	20.0		103	85-115			
Molybdenum	21.1	0.016	0.20	"	20.0		105	85-115			
Nickel	21.4	0.048	0.40	"	20.0		107	85-115			
Selenium	20.3	0.16	1.6	"	20.0		102	85-115			
Silver	21.1	0.016	0.080	"	20.0		105	85-115			
Thallium	20.4	0.016	0.080	"	20.0		102	85-115			
Vanadium	21.5	0.24	0.80	"	20.0		107	85-115			
Zinc	100	0.40	4.0	"	100		100	85-115			

**Duplicate (AH41430-DUP1)**

Source: 14H0704-01

Prepared & Analyzed: 08/14/14

Aluminum	ND	8.0	40	ug/L	ND					20	U
Antimony	0.352	0.080	2.0	"	0.210				50.5	20	J
Arsenic	ND	0.80	2.0	"	ND					20	U
Barium	69.4	0.12	2.0	"	68.8				0.967	20	
Beryllium	ND	0.080	0.40	"	ND					20	U
Boron	233	24	200	"	233				0.155	20	
Cadmium	ND	0.080	0.40	"	ND					20	U
Chromium	0.644	0.32	2.0	"	0.654				1.54	20	J
Cobalt	0.116	0.040	0.40	"	0.109				6.10	20	J
Copper	268	0.16	2.0	"	268				0.188	20	
Iron	18.2	8.0	200	"	18.4				0.820	20	J
Lead	0.0839	0.080	1.0	"	0.0806				4.00	20	J
Manganese	0.205	0.12	20	"	0.158				25.6	20	J
Molybdenum	0.408	0.080	1.0	"	0.319				24.6	20	J
Nickel	1.27	0.24	2.0	"	1.36				6.72	20	J
Selenium	ND	0.80	8.0	"	ND					20	U
Silver	0.369	0.080	0.40	"	ND					20	J
Thallium	ND	0.080	0.40	"	ND					20	U
Vanadium	ND	1.2	4.0	"	ND					20	U
Zinc	71.1	2.0	20	"	70.9				0.154	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: QC- Water Quality  
Project Number: 4oz Amber Jar  
Project Manager: Quality Control Manager

Reported:  
08/19/14 14:31

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

**Alpha Analytical Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AH41430 - EPA 200 Series**

**Matrix Spike (AH41430-MS1)**

Source: 14H0704-01

Prepared & Analyzed: 08/14/14

Aluminum	2470	8.0	40	ug/L	2600	ND	95.0	70-130			
Antimony	109	0.080	2.0	"	100	0.210	109	70-130			
Arsenic	109	0.80	2.0	"	100	ND	109	70-130			
Barium	175	0.12	2.0	"	100	68.8	107	70-130			
Beryllium	114	0.080	0.40	"	100	ND	114	70-130			
Boron	735	24	200	"	500	233	101	70-130			
Cadmium	103	0.080	0.40	"	100	ND	103	70-130			
Chromium	106	0.32	2.0	"	100	0.654	105	70-130			
Cobalt	106	0.040	0.40	"	100	0.109	106	70-130			
Copper	365	0.16	2.0	"	100	268	97.3	70-130			
Iron	2570	8.0	200	"	2600	18.4	98.1	70-130			
Lead	99.7	0.080	1.0	"	100	0.0806	99.6	70-130			
Manganese	102	0.12	20	"	100	0.158	101	70-130			
Molybdenum	105	0.080	1.0	"	100	0.319	104	70-130			
Nickel	105	0.24	2.0	"	100	1.36	104	70-130			
Selenium	103	0.80	8.0	"	100	ND	103	70-130			
Silver	104	0.080	0.40	"	100	ND	104	70-130			
Thallium	100	0.080	0.40	"	100	ND	100	70-130			
Vanadium	107	1.2	4.0	"	100	ND	107	70-130			
Zinc	585	2.0	20	"	500	70.9	103	70-130			

**Matrix Spike Dup (AH41430-MSD1)**

Source: 14H0704-01

Prepared & Analyzed: 08/14/14

Aluminum	2480	8.0	40	ug/L	2600	ND	95.4	70-130	0.404	20	
Antimony	109	0.080	2.0	"	100	0.210	109	70-130	0.190	20	
Arsenic	108	0.80	2.0	"	100	ND	108	70-130	0.873	20	
Barium	175	0.12	2.0	"	100	68.8	106	70-130	0.334	20	
Beryllium	114	0.080	0.40	"	100	ND	114	70-130	0.406	20	
Boron	732	24	200	"	500	233	99.9	70-130	0.431	20	
Cadmium	103	0.080	0.40	"	100	ND	103	70-130	0.356	20	
Chromium	106	0.32	2.0	"	100	0.654	105	70-130	0.301	20	
Cobalt	105	0.040	0.40	"	100	0.109	105	70-130	0.752	20	
Copper	368	0.16	2.0	"	100	268	100	70-130	0.761	20	

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Sample Traps, LLC

6398 Dougherty Road, Suite 36

Dublin CA, 94568

Project: QC- Water Quality

Project Number: 4oz Amber Jar

Project Manager: Quality Control Manager

Reported:

08/19/14 14:31

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

#### Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch AH41430 - EPA 200 Series

##### Matrix Spike Dup (AH41430-MSD1)

Source: 14H0704-01

Prepared & Analyzed: 08/14/14

Iron	2580	8.0	200	ug/L	2600	18.4	98.3	70-130	0.194	20	
Lead	101	0.080	1.0	"	100	0.0806	100	70-130	0.840	20	
Manganese	102	0.12	20	"	100	0.158	102	70-130	0.248	20	
Molybdenum	105	0.080	1.0	"	100	0.319	105	70-130	0.641	20	
Nickel	105	0.24	2.0	"	100	1.36	104	70-130	0.265	20	
Selenium	103	0.80	8.0	"	100	ND	103	70-130	0.262	20	
Silver	103	0.080	0.40	"	100	ND	103	70-130	0.441	20	
Thallium	100	0.080	0.40	"	100	ND	100	70-130	0.232	20	
Vanadium	107	1.2	4.0	"	100	ND	107	70-130	0.431	20	
Zinc	580	2.0	20	"	500	70.9	102	70-130	0.858	20	

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Project: QC- Water Quality

Project Number: 4oz Amber Jar

Project Manager: Quality Control Manager

Reported:

08/19/14 14:31

### Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

#### Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AH41234 - General Prep</b>											
<b>Blank (AH41234-BLK1)</b> Prepared & Analyzed: 08/12/14											
Total Organic Carbon	ND	0.100	0.300	mg/L							U
<b>LCS (AH41234-BS1)</b> Prepared: 08/12/14 Analyzed: 08/13/14											
Total Organic Carbon	11.2	0.100	0.300	mg/L	10.0		112	85-115			
<b>LCS Dup (AH41234-BSD1)</b> Prepared: 08/12/14 Analyzed: 08/13/14											
Total Organic Carbon	11.2	0.100	0.300	mg/L	10.0		112	85-115	0.485	20	
<b>Duplicate (AH41234-DUP1)</b> Source: 14H0607-01 Prepared & Analyzed: 08/12/14											
Total Organic Carbon	ND	0.100	0.300	mg/L		ND				20	U
<b>Matrix Spike (AH41234-MS1)</b> Source: 14H0607-01 Prepared & Analyzed: 08/12/14											
Total Organic Carbon	11.5	0.100	0.300	mg/L	10.0	ND	115	70-130			
<b>Matrix Spike Dup (AH41234-MSD1)</b> Source: 14H0607-01 Prepared & Analyzed: 08/12/14											
Total Organic Carbon	11.6	0.100	0.300	mg/L	10.0	ND	116	70-130	0.405	20	

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Project: QC- Water Quality

Project Number: 4oz Amber Jar

Project Manager: Quality Control Manager

Reported:

08/19/14 14:31

### Anions by EPA Method 300.0 - Quality Control

#### Alpha Analytical Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch AH40825 - General Preparation

##### Blank (AH40825-BLK1)

Prepared & Analyzed: 08/08/14

Fluoride	ND	0.070	0.10	mg/L							U
Nitrate as NO3	ND	0.20	1.0	"							U
Nitrite as NO2	ND	0.020	1.0	"							U
Sulfate as SO4	ND	0.090	0.50	"							U

##### LCS (AH40825-BS1)

Prepared & Analyzed: 08/08/14

Nitrate as NO3	23	0.20	1.0	mg/L	22.2		103	90-110			
Nitrite as NO2	17.4	0.020	1.0	"	16.4		106	90-110			
Fluoride	5.27	0.070	0.10	"	5.00		105	90-110			
Sulfate as SO4	20.5	0.090	0.50	"	20.0		103	90-110			

##### Duplicate (AH40825-DUP1)

Source: 14H0552-01

Prepared & Analyzed: 08/08/14

Nitrite as NO2	ND	0.020	1.0	mg/L		ND				20	U
Nitrate as NO3	0.55	0.20	1.0	"		0.55			0.181	20	J
Sulfate as SO4	0.547	0.090	0.50	"		0.564			3.06	20	
Fluoride	ND	0.070	0.10	"		ND				20	U

##### Matrix Spike (AH40825-MS1)

Source: 14H0552-01

Prepared & Analyzed: 08/08/14

Fluoride	5.83	0.070	0.10	mg/L	5.56	ND	105	80-120			
Nitrite as NO2	19.3	0.020	1.0	"	18.2	ND	106	80-120			
Sulfate as SO4	23.0	0.090	0.50	"	22.2	0.564	101	80-120			
Nitrate as NO3	26	0.20	1.0	"	24.7	0.55	101	80-120			

##### Matrix Spike Dup (AH40825-MSD1)

Source: 14H0552-01

Prepared & Analyzed: 08/08/14

Nitrate as NO3	26	0.20	1.0	mg/L	24.7	0.55	102	80-120	0.291	20	
Sulfate as SO4	23.1	0.090	0.50	"	22.2	0.564	101	80-120	0.406	20	
Fluoride	5.86	0.070	0.10	"	5.56	ND	105	80-120	0.475	20	
Nitrite as NO2	19.4	0.020	1.0	"	18.2	ND	107	80-120	0.566	20	

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Project: QC- Water Quality

Project Number: 4oz Amber Jar

Project Manager: Quality Control Manager

Reported:

08/19/14 14:31

### Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- U Analyte included in analysis, but not detected at or above MDL.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

# Chain of Custody Record

Reports and Invoices will be delivered by email in pdf format  
 Lab No. 14HD552 Page      of     

Laboratory  
 & Corporate: 208 Mason Street, Ukiah, CA 95482  
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Service Center  
 & Micro Lab: 6398 Dougherty Rd, Ste 35, Dublin, CA 94568  
 925-828-6226 Fax: 925-828-6309



<b>Report to:</b> Company: Sample Traps LLC Attn: Quality Control Manager Address: Phone/Fax: Email Address: admin@sampletraps.com		<b>Project info for Report:</b> Project ID: QC-4oz amber jar Project No: PO/Reference:		<b>Signature:</b> Print: N/A Sampled: Date: x Time: x		<b>Container:</b> 40ml VOA Glass jar Glass bottle Poly Matrix: HCL, Na Bisulfate, Other, None, Water, Container		<b>Analyses Requested</b> TOC: x Sample Traps Inorganics: x Include MDL flags: x		<b>TAT</b> 10 days: <input checked="" type="radio"/> RUSH: 5 days: <input type="radio"/> 48 hours: <input type="radio"/> Other: <input type="radio"/> days		<b>Sample Notes</b> (lab use only) Temperature: <u>N/A</u> deg. C Shipment Method: Custody Seals: Y / N	
Signature below authorizes work under terms stated on reverse side.													
<b>Lab Approval Required For Rush TATs</b>													
<b>Sample Notes or CDPH Source Numbers:</b>													
Relinquished by: <u>[Signature]</u> Date: <u>8/7/14</u> Time: <u>1:55</u>													
Received by: <u>[Signature]</u> Date: <u>8-7-14</u> Time: <u>2:45</u>													
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): _____ Mileage: _____													
Travel and Site Time: _____ Misc. Supplies: _____													