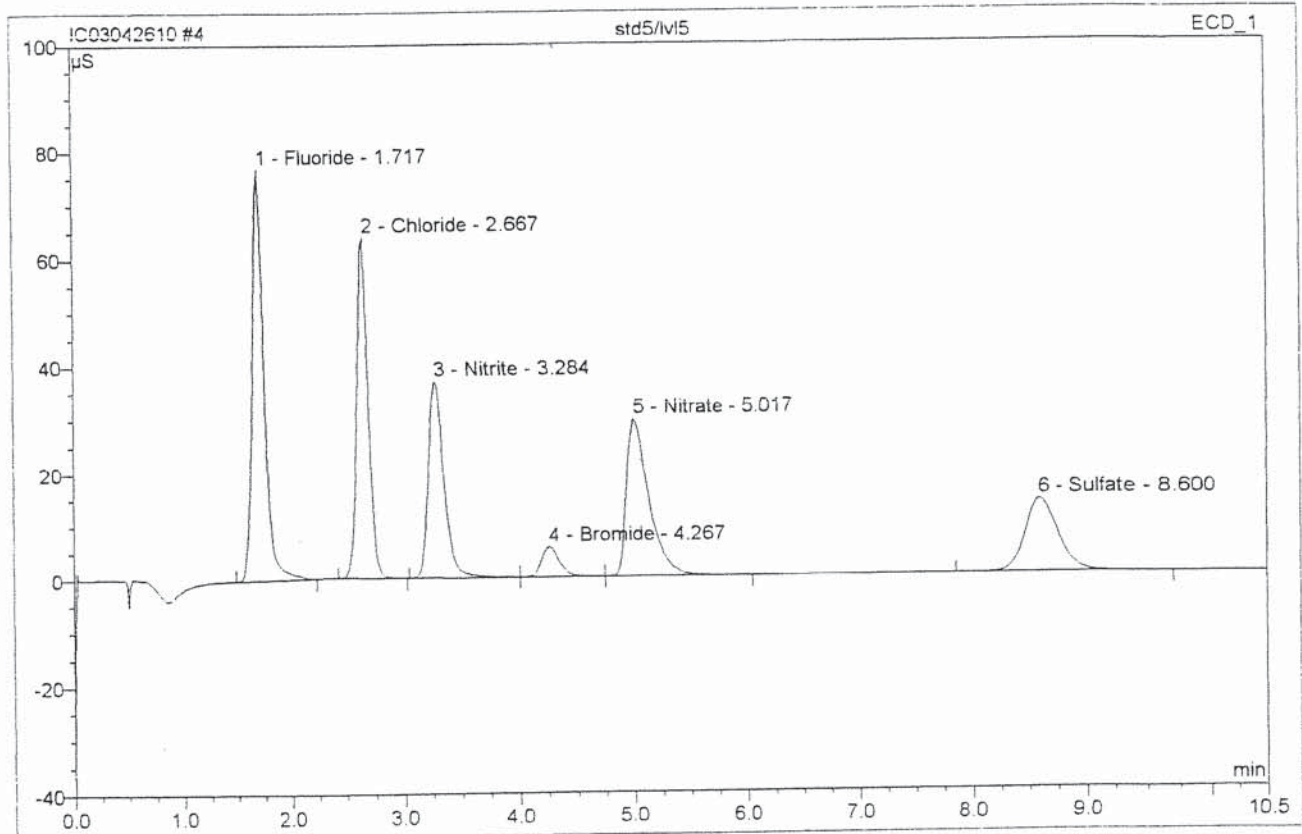


4 std5/lvl5			
Sample Name:	std5/lvl5	Injection Volume:	200.0
Vial Number:	4	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 9:38	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



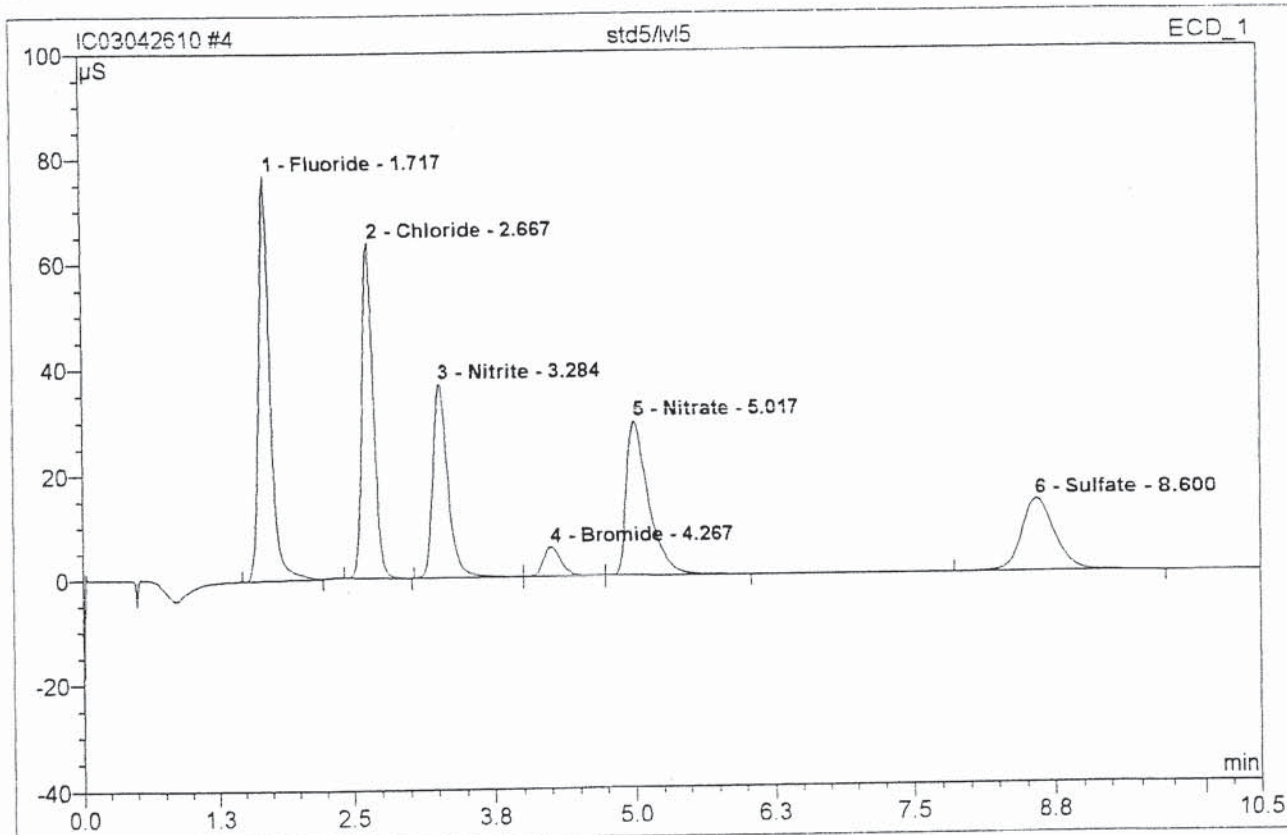
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.72	Fluoride	76.994	9.731	27.38	5.086	BMB
2	2.67	Chloride	63.721	7.472	21.02	4.791	BMB
3	3.28	Nitrite	36.986	5.862	16.49	2.030	BMB
4	4.27	Bromide	5.677	1.007	2.83	1.879	bMB
5	5.02	Nitrate	29.541	6.754	19.00	1.833	bMB
6	8.60	Sulfate	13.884	4.718	13.27	4.795	BMB
Total:			226.803	35.544	100.00	20.415	

1-25

APR 26 2010

4 std5/lvl5

Sample Name:	std5/lvl5	Injection Volume:	200.0
Vial Number:	4	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 9:38	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.72	Fluoride	76.994	9.731	27.38	5.005	BMB
2	2.67	Chloride	63.721	7.472	21.02	5.047	BMB
3	3.28	Nitrite	36.986	5.862	16.49	2.024	BMb
4	4.27	Bromide	5.677	1.007	2.83	2.022	bMb
5	5.02	Nitrate	29.541	6.754	19.00	2.054	bMB
6	8.60	Sulfate	13.884	4.718	13.27	5.014	BMB
Total:			226.803	35.544	100.00	21.166	

Before

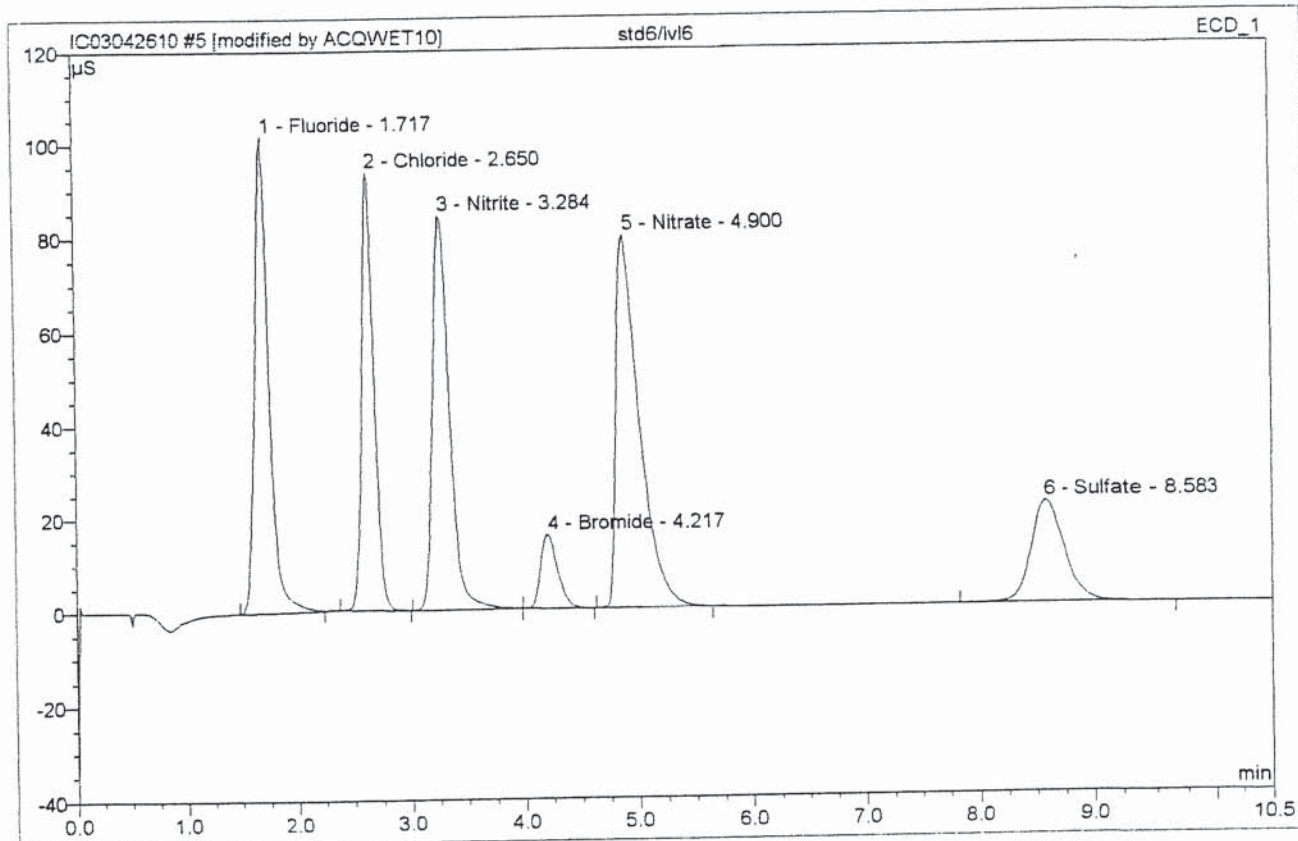
APR 26 2010

Chromeleon (c) Dionex 1996-2001
Version 6.50 SP1 Build 956

default/Integration

5 std6/lvl6

Sample Name:	std6/lvl6	Injection Volume:	200.0
Vial Number:	5	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 9:51	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.72	Fluoride	101.686	14.494	20.88	7.575	BMB*
2	2.65	Chloride	93.434	11.601	16.71	7.439	BMB*
3	3.28	Nitrite	84.060	14.428	20.79	4.997	BMB
4	4.22	Bromide	15.785	2.719	3.92	5.074	bMB
5	4.90	Nitrate	79.649	18.837	27.14	5.113	BMB*
6	8.58	Sulfate	21.861	7.333	10.56	7.452	BMB
Total:			396.475	69.412	100.00	37.650	

default/Integration

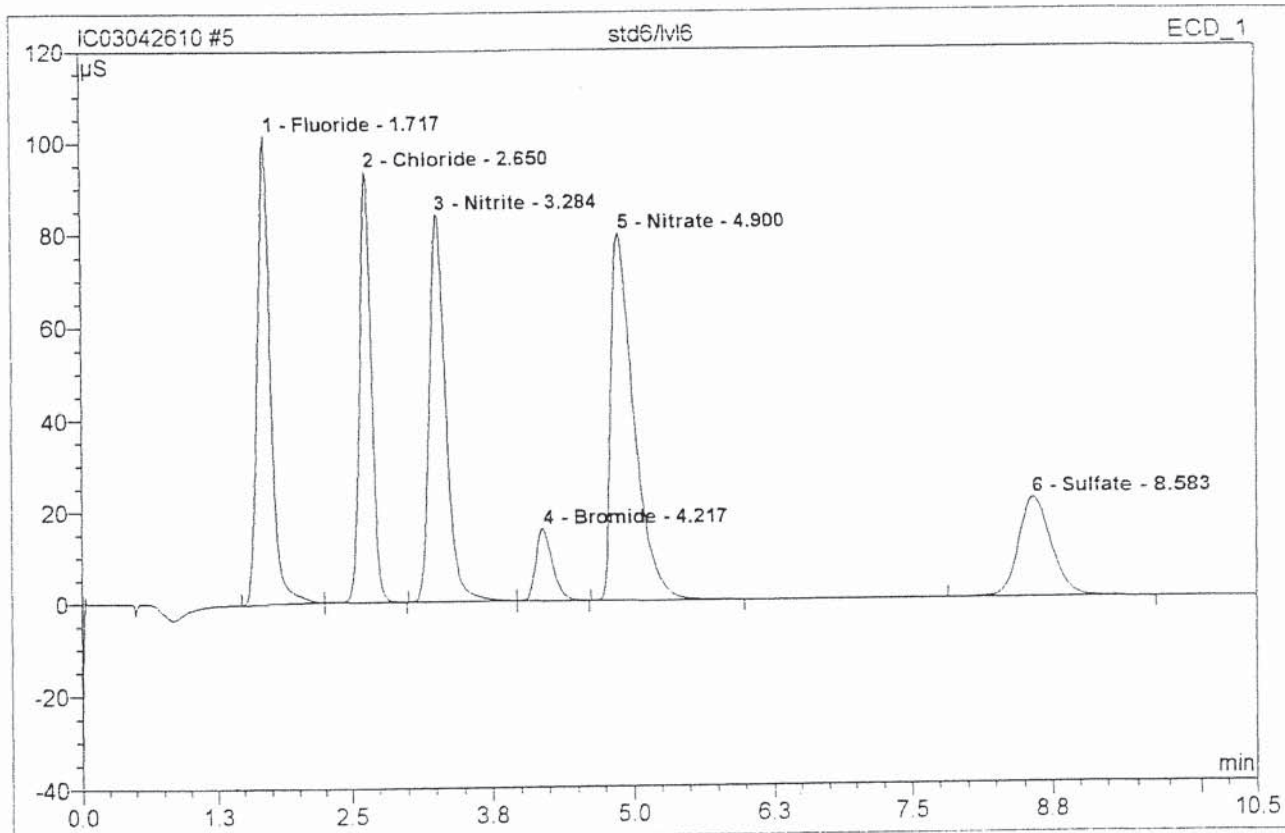
APR 26 2010

6-1/15/10

Chromeleon (c) Dionex 1996-2001
Version 6.50 SP1 Build 956

5 std6/iv16

Sample Name:	std6/iv16	Injection Volume:	200.0
Vial Number:	5	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 9:51	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.72	Fluoride	101.686	14.494	20.85	7.486	BMB
2	2.65	Chloride	93.503	11.647	16.75	7.613	bMB
3	3.28	Nitrite	84.060	14.428	20.76	4.997	BMB
4	4.22	Bromide	15.785	2.719	3.91	5.074	bMB
5	4.90	Nitrate	79.672	18.892	27.18	5.115	BMB
6	8.58	Sulfate	21.861	7.333	10.55	7.591	BMB
Total:			396.568	69.512	100.00	37.876	

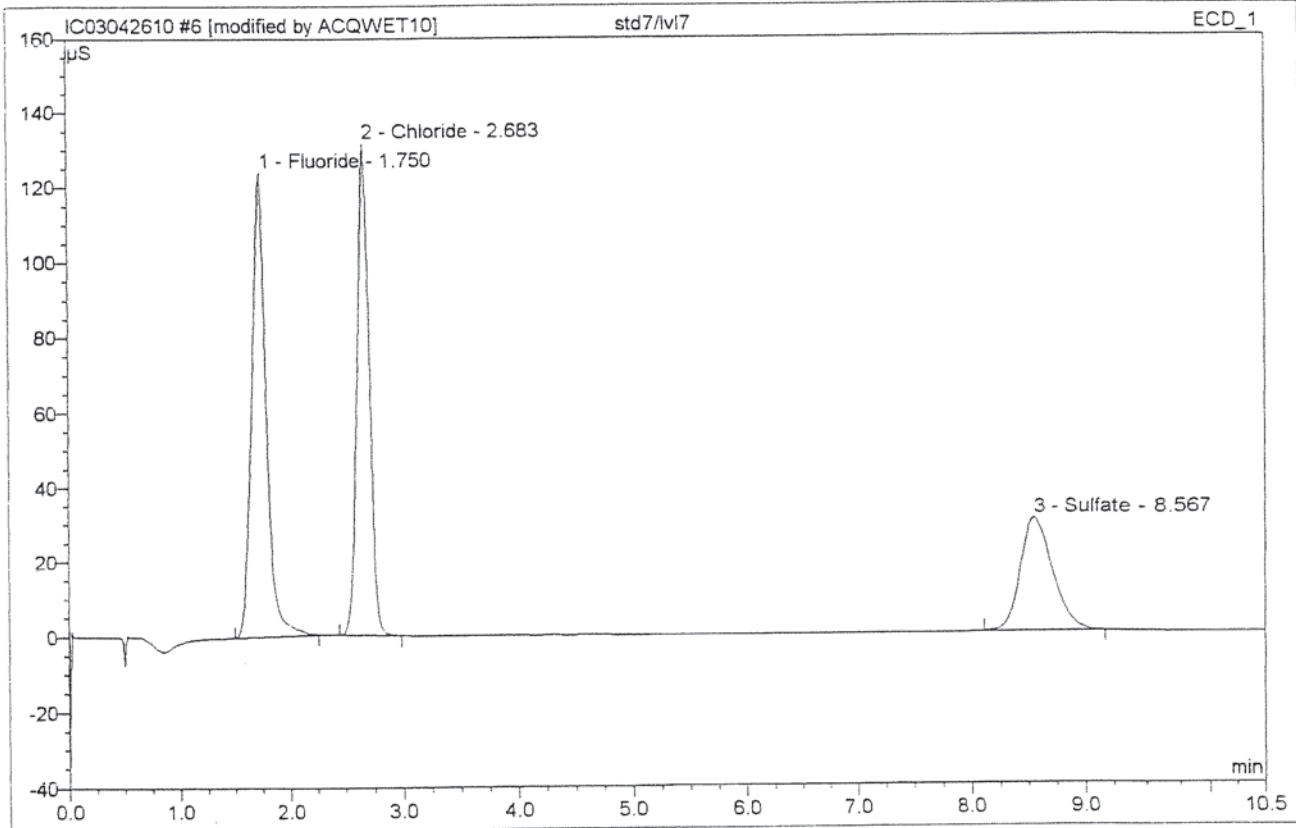
Before

APR 26 2010


Chromeleon (c) Dionex 1996-2001
Version 6.50 SP1 Build 956

default/Integration

6 std7/lvl7			
Sample Name:	std7/lvl7	Injection Volume:	200.0
Vial Number:	6	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 10:04	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel. Area %	Amount	Type
1	1.75	Fluoride	123.905	18.962	42.30	9.910	BMB*
2	2.68	Chloride	131.265	15.874	35.41	10.179	BMB*
3	8.57	Sulfate	30.278	9.990	22.29	10.151	BMB*
Total:			285.448	44.826	100.00	30.240	

ACQWET10


5-11-10

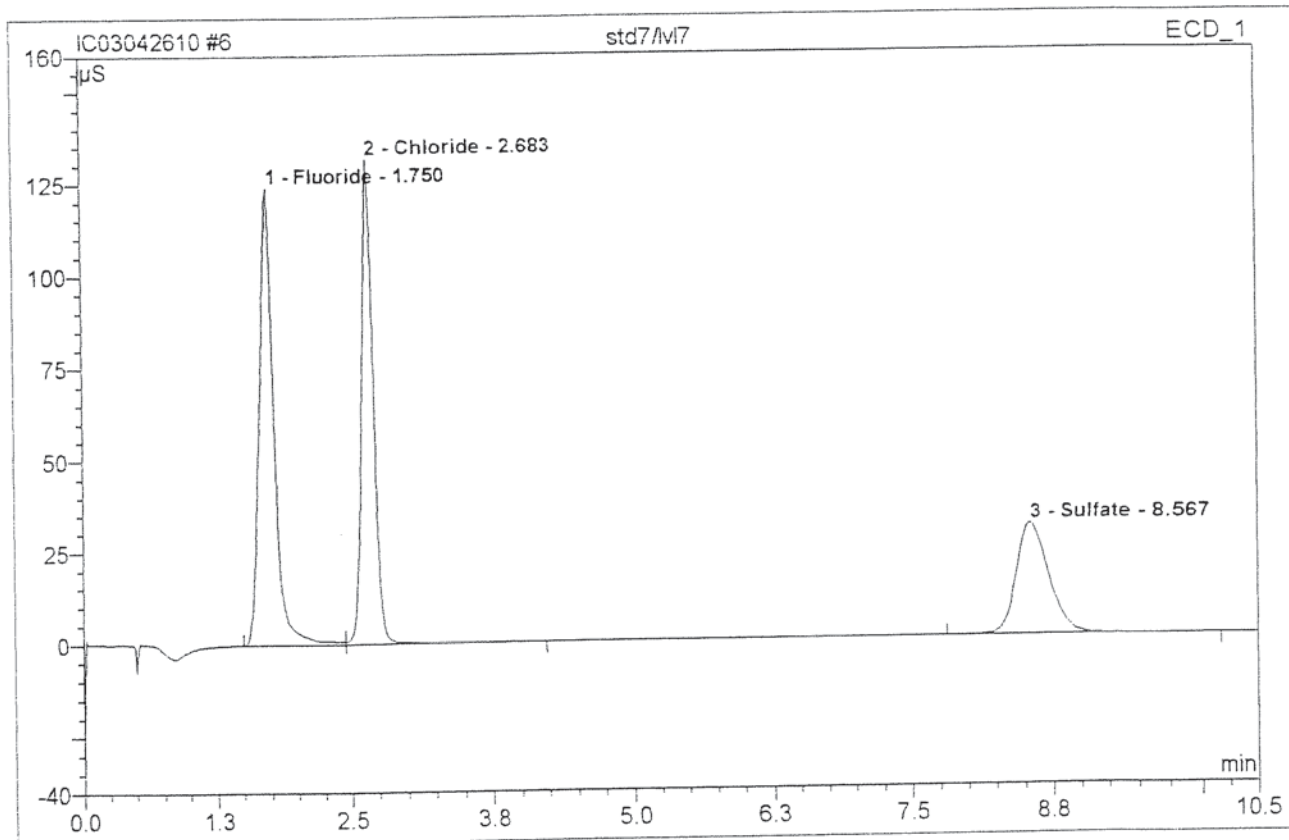
APR 28 2010

Chromeleon (c) Dionex 1996-2001
Version 6.50 SP1 Build 956

default/Integration

6 std7/lvl7

Sample Name:	std7/lvl7	Injection Volume:	200.0
Vial Number:	6	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 10:04	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.75	Fluoride	124.185	19.437	42.28	10.022	BM
2	2.68	Chloride	131.836	16.307	35.47	10.300	MB
3	8.57	Sulfate	30.454	10.233	22.26	10.259	BMB
Total:			286.475	45.977	100.00	30.581	

Before

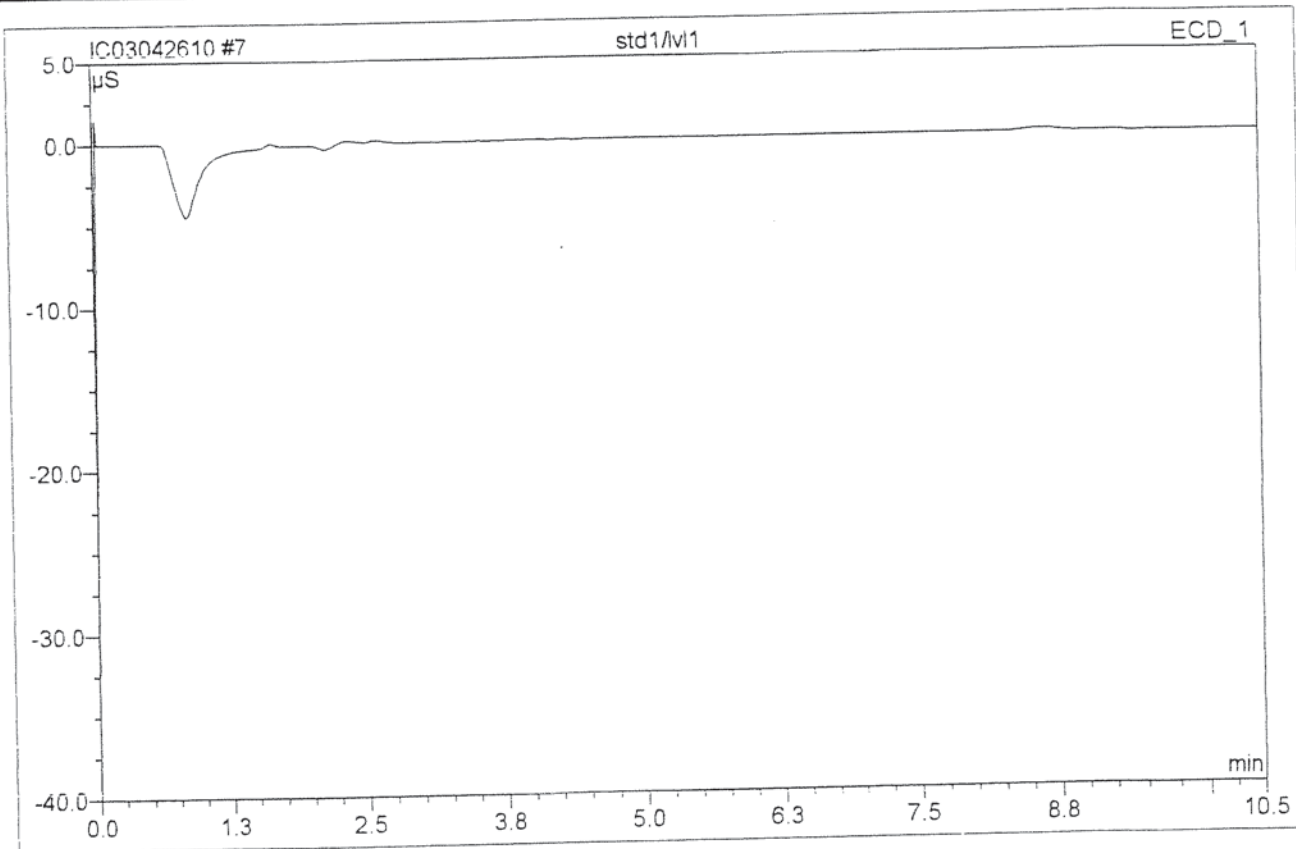
APR 26 2010

Chromeleon (c) Dionex 1996-2001
Version 6.50 SP1 Build 956

default/Integration

7 std1/lvl1

Sample Name:	std1/lvl1	Injection Volume:	200.0
Vial Number:	7	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 10:17	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000

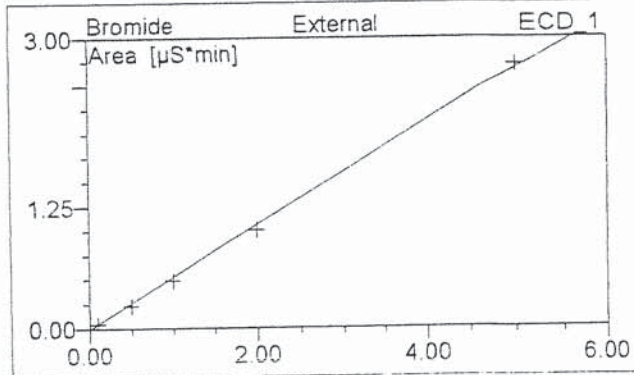
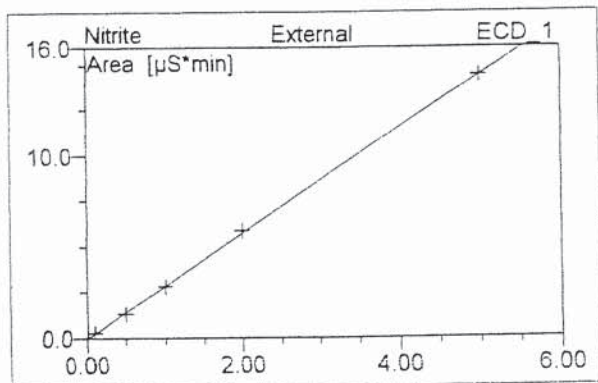
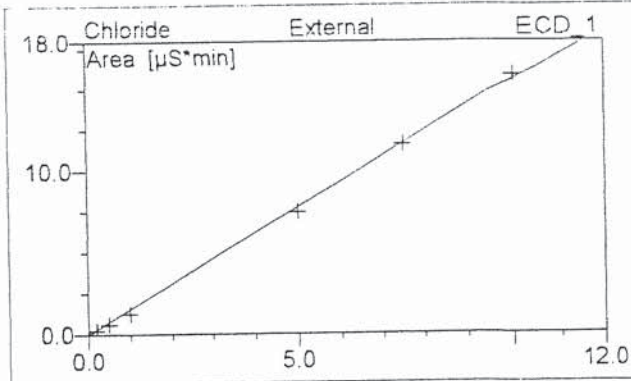
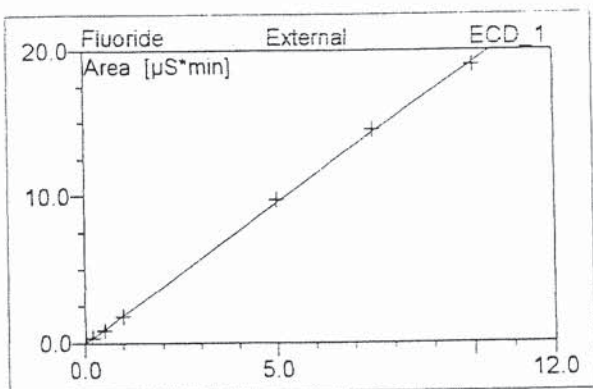


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
Total:			0.000	0.000	0.00	0.000	

5-11-10

7 std1/lvl1

Sample Name:	std1/lvl1	Injection Volume:	200.0
Vial Number:	7	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 10:17	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



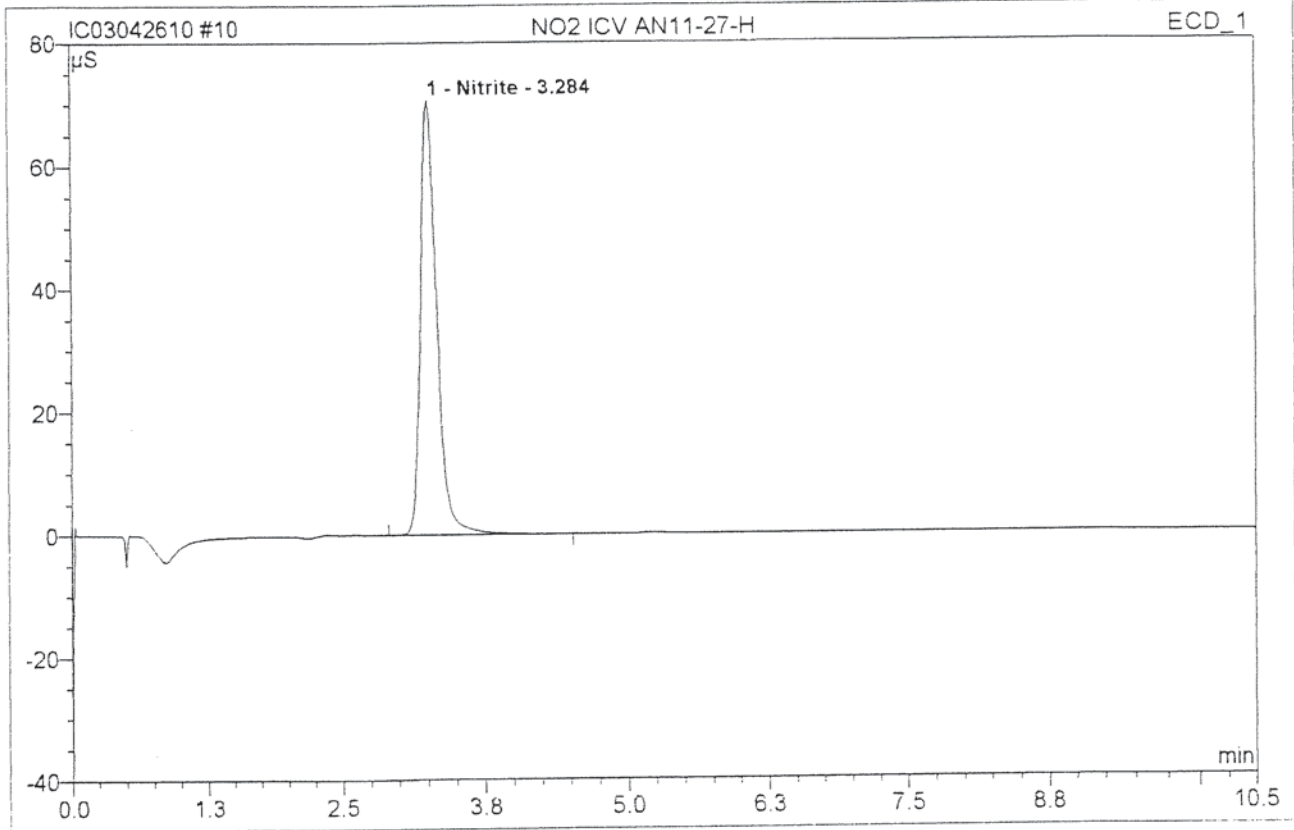
No.	Ret.Time min	Peak Name	Cal.Type	Points	Corr.Coeff. %	Offset	Slope	Curve
Average:					n.a.	n.a.	n.a.	n.a.

6/20/10

10 NO2 ICV AN11-27-H

NO2 ICV

Sample Name:	NO2 ICV AN11-27-H	Injection Volume:	200.0
Vial Number:	10	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	25.0000
Recording Time:	4/26/2010 11:05	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000

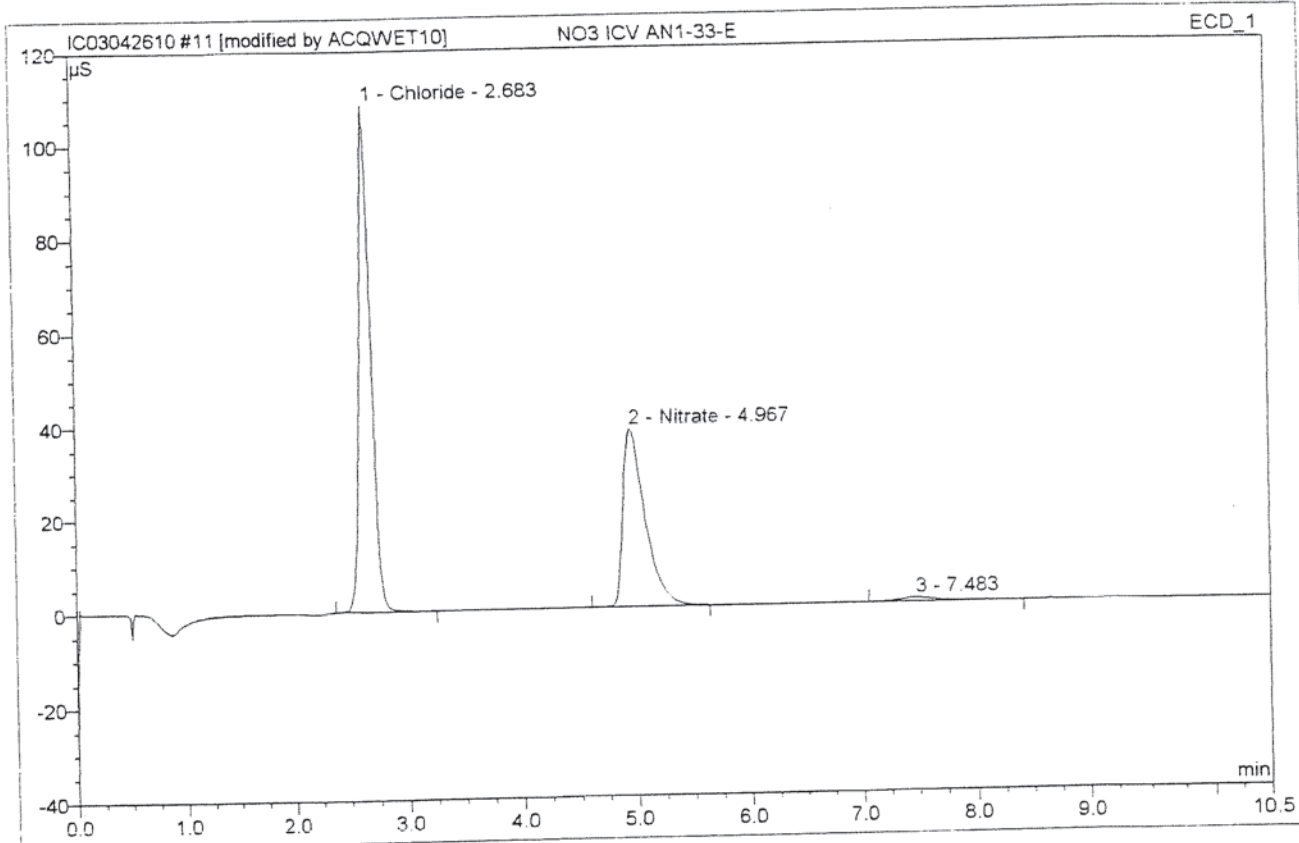


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	3.28	Nitrite	70.856	11.827	100.00	102.405 _{102.2}	BMB
Total:			70.856	11.827	100.00	102.405	

11 NO3 ICV AN1-33-E

NO3 ICV

Sample Name:	NO3 ICV AN1-33-E	Injection Volume:	200.0
Vial Number:	11	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	10.0000
Recording Time:	4/26/2010 11:18	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	2.68	Chloride	108.172	12.864	59.17	82.484	BMB*
2	4.97	Nitrate	38.103	8.551	39.33	23.211 <i>110%</i>	BMB*
3	7.48	n.a.	0.823	0.326	1.50	n.a.	BMB
Total:			147.098	21.741	100.00	105.695	

AS

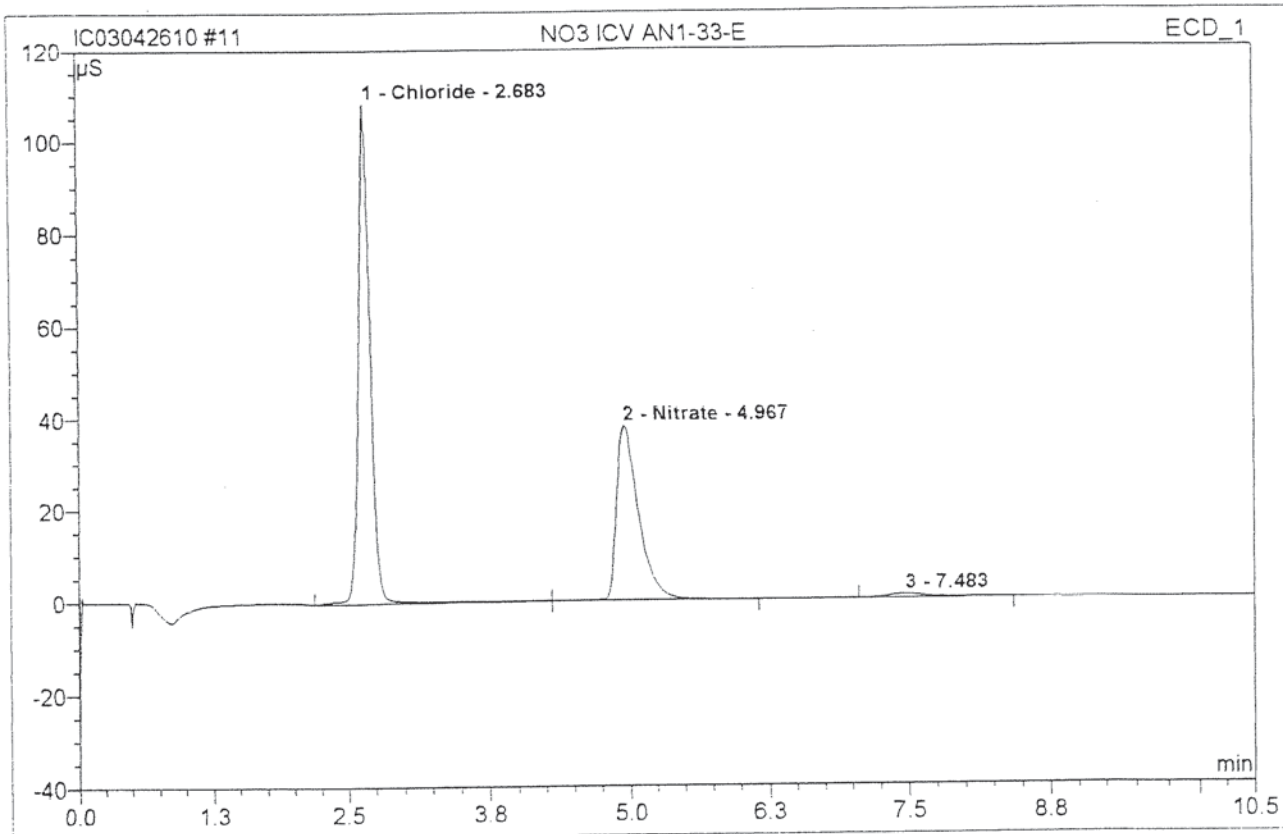
default/integration

Chromeleon (c) Dionex 1996-2001
Version 6.50 SP1 Build 956

11 NO3 ICV AN1-33-E

NO3 ICV

Sample Name:	NO3 ICV AN1-33-E	Injection Volume:	200.0
Vial Number:	11	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	10.0000
Recording Time:	4/26/2010 11:18	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.68	Chloride	108.576	13.345	59.83	85.571	BMB
2	4.97	Nitrate	38.156	8.633	38.70	23.433	bMB
3	7.48	n.a.	0.823	0.326	1.46	n.a.	BMB
Total:			147.556	22.304	100.00	109.004	

Before

APR 26 2010

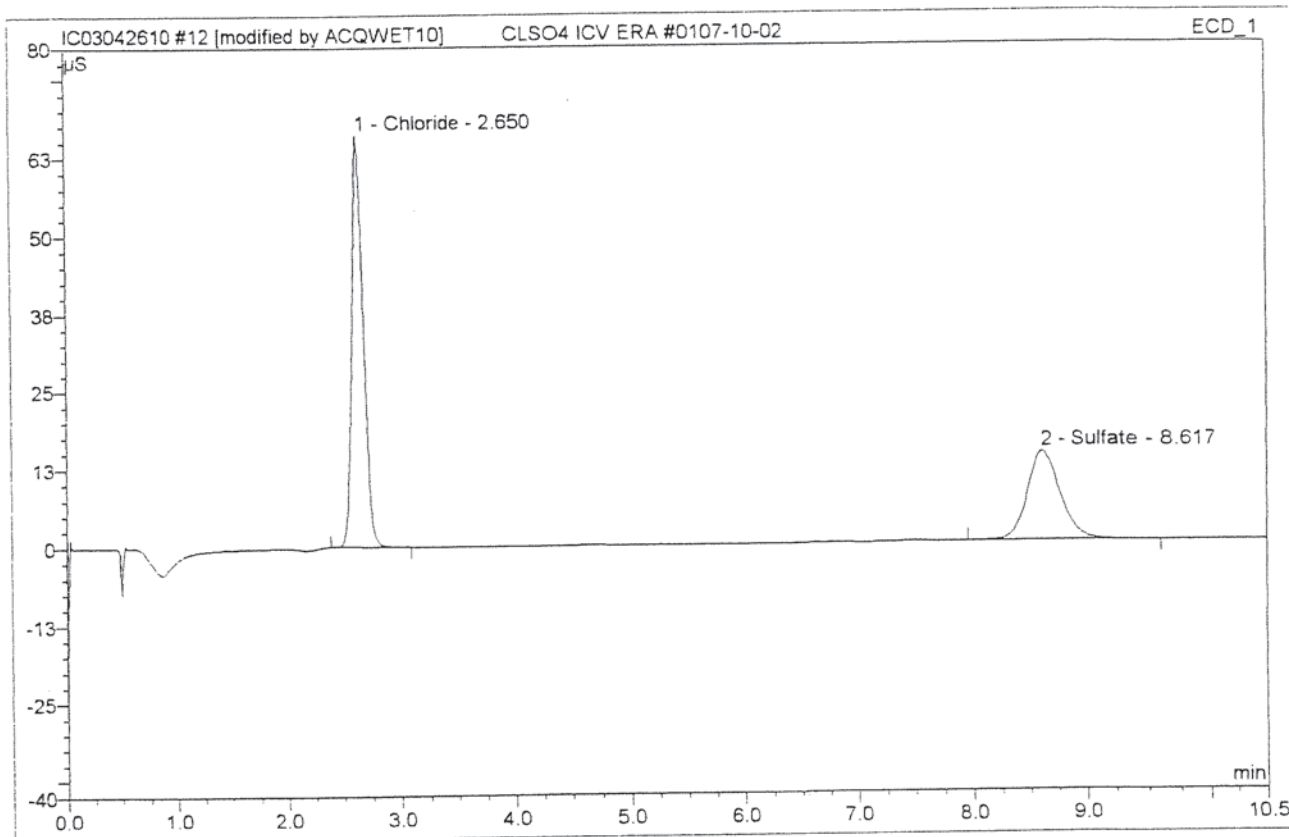
Chromeleon (c) Dionex 1996-2001
Version 6.50 SP1 Build 956

default/Integration

12 CLSO4 ICV ERA #0107-10-02

CLSO4 ICV

Sample Name:	CLSO4 ICV ERA #0107-10-02	Injection Volume:	200.0
Vial Number:	12	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 11:30	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	2.65	Chloride	65.962	7.498	61.00	4.808962	BMB*
2	8.62	Sulfate	14.257	4.794	39.00	4.871972	BMB
Total:			80.219	12.292	100.00	9.679	

default/Integration

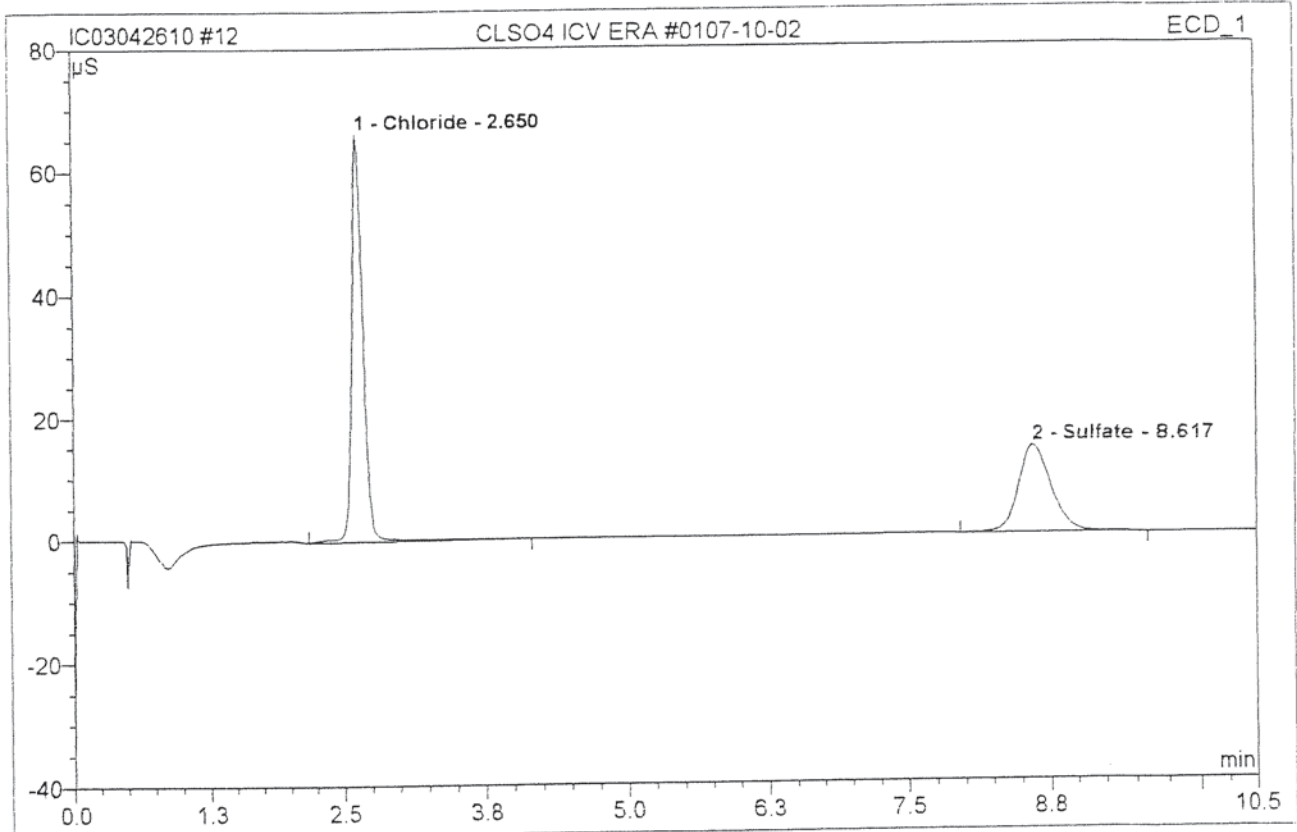
APR 26 2010
183

Chromeleon (c) Dionex 1996-2001
Version 6.50 SP1 Build 956

12 CLSO4 ICV ERA #0107-10-02

CLSO4 ICV

Sample Name:	CLSO4 ICV ERA #0107-10-02	Injection Volume:	200.0
Vial Number:	12	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 11:30	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel. Area %	Amount	Type
1	2.65	Chloride	66.369	7.929	62.32	5.084	BMB
2	8.62	Sulfate	14.257	4.794	37.68	4.871	BMB
Total:			80.625	12.723	100.00	9.956	

Before

APR 26 2010

Chromleon (c) Dionex 1996-2001
Version 6.50 SP1 Build 956

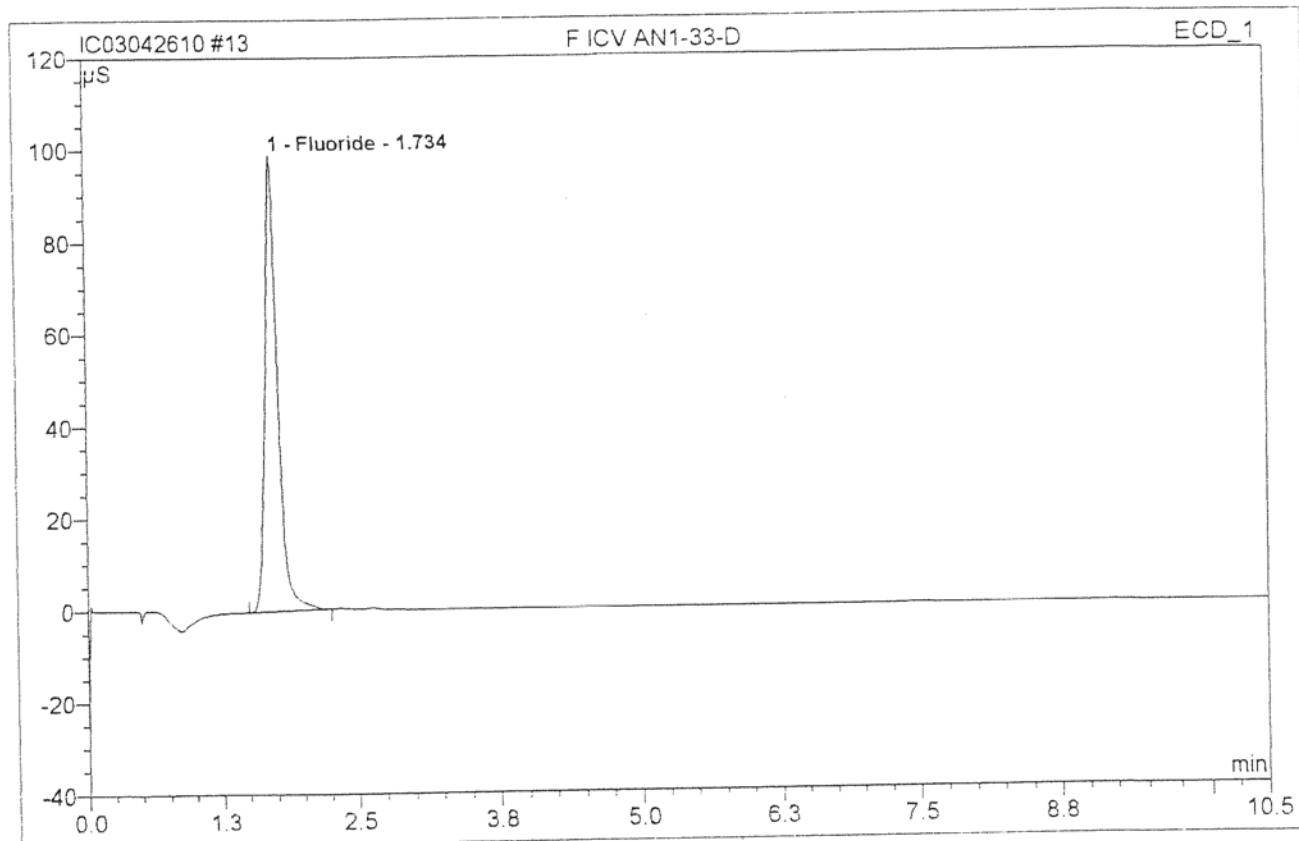
default/Integration

13 F ICV AN1-33-D

F ICV

Sample Name: F ICV AN1-33-D
 Vial Number: 13
 Sample Type: unknown
 Control Program: epa300
 Quantif. Method: epa300
 Recording Time: 4/26/2010 11:43
 Run Time (min): 10.50

Injection Volume: 200.0
 Channel: ECD_1
 Wavelength: n.a.
 Bandwidth: n.a.
 Dilution Factor: 2.0000
 Sample Weight: 1.0000
 Sample Amount: 1.0000

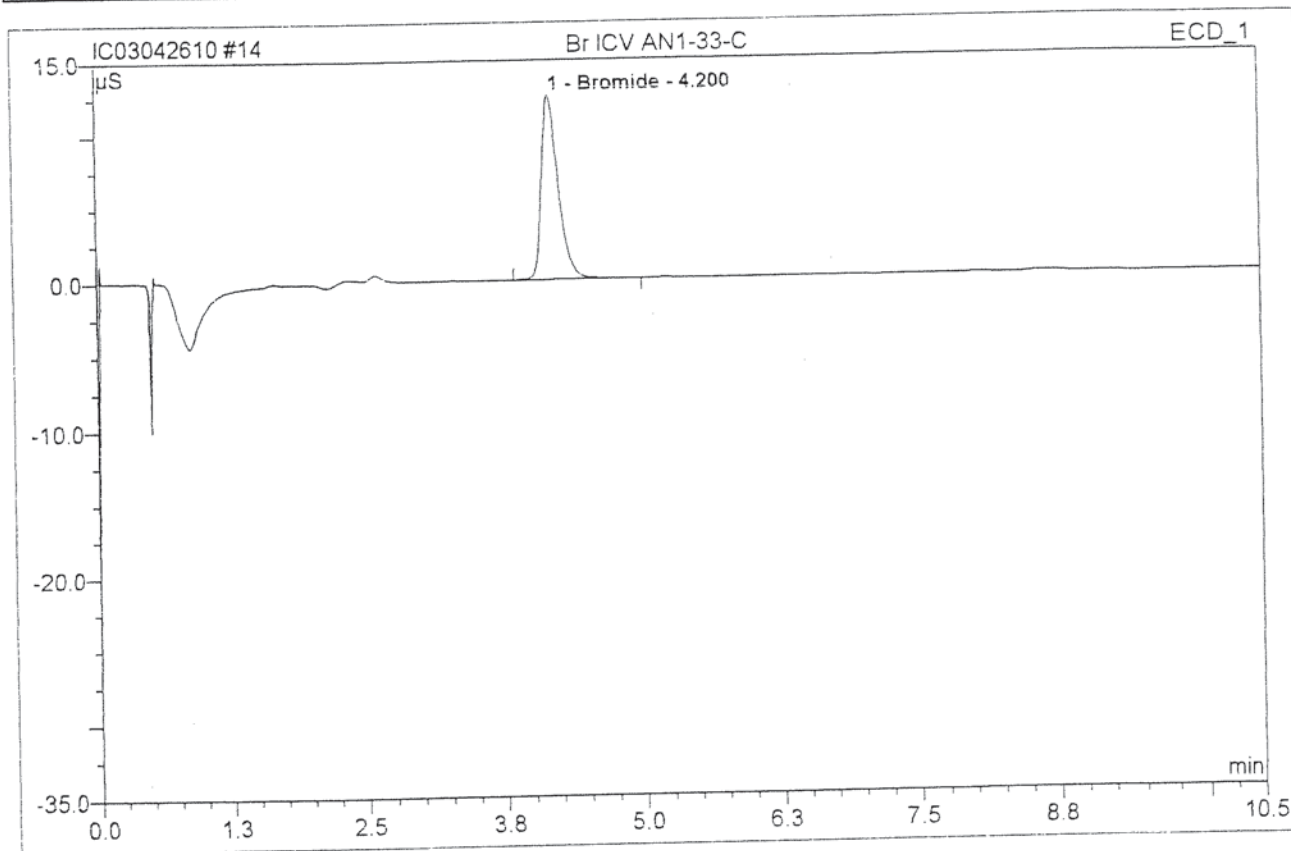


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.73	Fluoride	98.959	13.315	100.00	13.917103?	BMB
Total:			98.959	13.315	100.00	13.917	

14 Br ICV AN1-33-C

Br ICV

Sample Name:	Br ICV AN1-33-C	Injection Volume:	200.0
Vial Number:	14	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 11:56	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	4.20	Bromide	12.583	2.210	100.00	4.1241035%	BMB
Total:			12.583	2.210	100.00	4.124	

COLUMBIA ANALYTICAL SERVICES, INC.

Work Order #: K5244, K5448

Prep Method: DI EXT

Analysis: SULFATE

Analytical Method:

300

Date Prepared	Sample Name /Lab Code	Dilution	Initial Wt./Vol. (g) or (ml)	Final Volume (ml)	mg/L (in solution)	mg/L - mg/kg As Rec'd	% Solids	mg/kg Dry Wt.	Date Analyzed
6/4/2010	MB	1	25.0	25.0	<0.2	<0.2			6/8/2010
6/4/2010	LCS	10	2.508	25.0	51.979	518			6/8/2010
6/4/2010	K5244-3	2	2.538	25.0	2.094	20.626	90.7	22.7	6/8/2010
6/4/2010	K5244-3D	2	2.522	25.0	1.684	16.693	90.7	18.4	6/8/2010
6/4/2010	K5244-3MS	50	2.562	25.0	205.306	2003.376	90.7	2210	6/8/2010
6/4/2010	K5244-3MSD	50	① 2.533-2.553	25.0	201.211	① 1985.896-1970.54	90.7	② 2190.270	6/8/2010
6/4/2010	K5448-1	20	2.554	25.0	51.712	506.186	14.2	3570	6/8/2010
6/4/2010	K5448-2	2	2.540	25.0	4.663	45.896	14.0	328	6/8/2010

STD ID: ANIONS IN SOIL D064-543

S04 T.V.= 447

%REC= 116%

5244-3/3D X= 20.6 mg/Kg RPD= 21%

5244-3MS (0.5*10000)/2.562/907= 2150

%REC= 102%

5244-3MSD (0.5*10000)/2.553/907= 2160

%REC= 100%

Prepared By: Mblack	Date Prepared: 6/4/10
Analyzed By: Mblack	Date Analyzed: 6/8/10
Reviewed By: <i>BL</i>	Date Reviewed: <i>6/21/10</i>

① *BL* 6/21/10

Work Order #: K5448, K5244

Method: 9056

Analysis: SO₄, Cl, NO₂, NO₃, F

Date Prepared	Sample Name Lab Code	Initial Wt./Vol. (g) or (ml)	Final Volume (ml)	mg/L (in solution)	mg/L - mg/kg As Rec'd	% Solids	mg/kg Dry Wt.
<u>6/4/10</u>	<u>MB</u>		<u>25ml</u>	<u>4.20</u>			
	<u>LCS</u>	<u>2.508</u>		<u>51.979</u>			
	<u>K5244-1</u>	<u>2.565</u>					
	<u>-2</u>	<u>2.513</u>		<u>45.322 NR</u>			
	<u>-3</u>	<u>2.538</u>		<u>2.094</u>			
	<u>-3d</u>	<u>2.522</u>		<u>1.654</u>			
	<u>-3ms</u>	<u>2.562</u>		<u>205.306</u>			
	<u>-3msd</u>	<u>2.553</u>		<u>201.211</u>			
	<u>-4</u>	<u>2.534</u>		<u>17.049 NR</u>			
	<u>K5448-1</u>	<u>2.554</u>		<u>51.712</u>			
	<u>2-2</u>	<u>2.540</u>		<u>45.322</u>			
				<u>4.663</u>			
				<u>6/16/10</u>			
				<u>6/21/10</u>			

MS=

MSD=

X=

RPD=

STD ID # =

Comments:

Prepared By: <u>MB</u>	Date Prepared: <u>6/4/10</u>
Analyzed By: <u>MB</u>	Date Analyzed: <u>6/8/10</u>
Reviewed By: <u>RL</u>	Date Reviewed: <u>6/21/10</u>

Work Order #: K5244

Prep Method: DI EXT

Analysis: CHLORIDE

Analytical Method:

300

Date Prepared	Sample Name /Lab Code	Dilution	Initial Wt./Vol. (g) or (ml)	Final Volume (ml)	mg/L (in solution)	mg/L - mg/kg As Rec'd	% Solids	mg/kg Dry Wt.	Date Analyzed
6/4/2010	MB	1	25.0	25.0	<0.2	<0.2			6/8/2010
6/4/2010	LCS	10	2.508 -	25.0	60.521 -	603			6/8/2010
6/4/2010	K5244-1	10000	2.565 -	25.0	43.743 -	426.345	66.9	637	6/8/2010
6/4/2010	K5244-2	10000	2.513 -	25.0	30331.8303 -	301749.207	89.0	339000	6/8/2010
6/4/2010	K5244-3	10000	2.538 -	25.0	35755.7629 -	352204.126	90.7	388000	6/8/2010
6/4/2010	K5244-3D	10000	2.522 -	25.0	35675.9318 -	353647.222	90.7	390000	6/8/2010
6/4/2010	K5244-3MS	10000	2.562 -	25.0	35511.4675 -	346520.955	90.7	382000	6/8/2010
6/4/2010	K5244-3MSD	10000	2.553 -	25.0	34582.4867 -	338645.581	90.7	373000	6/8/2010
6/4/2010	K5244-4	10000	2.534 -	25.0	29669.2184 -	292711.310	95.4	307000	6/8/2010

① 6/21/10

STD ID: ANIONS IN SOIL D064-543

Cl: 565

%REC= 107%

5244-3/3D X= 389000 RPD= <1%

5244-3MS (0.5*10000)/2.562/907= 2150

%REC= } ms/msd fail because sample amount is much greater than spike level.

5244-3MSD (0.5*10000)/2.553/907= 2160

Prepared By: Mblack	Date Prepared: 6/4/10
Analyzed By: Mblack	Date Analyzed: 6/8/10
Reviewed By: <i>M</i>	Date Reviewed: 6/21/10

Work Order #: K5244

Prep Method: DI EXT

Analysis: FLUORIDE

Analytical Method:

300

Date Prepared	Sample Name /Lab Code	Dilution	Initial Wt./Vol. (g) or (ml)	Final Volume (ml)	mg/L (in solution)	mg/L - mg/kg As Rec'd	% Solids	mg/kg Dry Wt.	Date Analyzed
6/4/2010	MB	1	25.0	25.0	< 0.20	<0.2			6/8/2010
6/4/2010	LCS	2	2.508	25.0	7.682	76.6			6/8/2010
6/4/2010	K5244-1	2	2.565	25.0	5.166	50.4	66.9	75.3	6/8/2010
6/4/2010	K5244-2	2	2.513	25.0	19.658	195.6	89.0	220	6/8/2010
6/4/2010	K5244-3	10	2.538	25.0	41.034	404.2	90.7	446	6/8/2010
6/4/2010	K5244-3D		2.522	25.0			90.7		
6/4/2010	K5244-3MS	50	2.562	25.0	166.195	1621.7	90.7	1790	6/8/2010
6/4/2010	K5244-3MSD	50	2.553	25.0	163.614	1602.2	90.7	1770	6/8/2010
6/4/2010	K5244-4	2	2.534	25.0	19.406	191.5	95.4	201	6/8/2010

STD ID: ANIONS IN SOIL D064-543

F.T.V.= 53.2

%REC= 144%

Fail CAS criteria, but passes manufacturers criteria
24.5 - 81.9

X= RPD= %

5244-3MS (0.5*10000)/2.562/.907= 2150

%REC= 63%

5244-3MSD (0.5*10000)/2.553/.907= 2160

%REC= 61%

} MS/MSD - fail due to possible matrix interference

Prepared By: Mblack	Date Prepared: 6/4/10
Analyzed By: Mblack	Date Analyzed: 6/8/10
Reviewed By: <i>IDL</i>	Date Reviewed: <i>6/21/10</i>

Work Order #: K5244

Prep Method: DI EXT

Analysis: NITRITE

Analytical Method: _____

300

Date Prepared	Sample Name /Lab Code	Dilution	Initial Wt./Vol. (g) or (ml)	Final Volume (ml)	mg/L (in solution)	mg/L - mg/kg As Rec'd	% Solids	mg/kg Dry Wt.	Date Analyzed
6/4/2010	MB	1	25.0	25.0	<0.1	<0.1			6/8/2010
6/4/2010	K5244-1	10	2.565	25.0	20.289	197.749	66.9	296	6/8/2010
6/4/2010	K5244-2	50	2.513	25.0	< 5.00	49.741	89.0	< 55.9	6/8/2010
6/4/2010	K5244-3	50	2.538	25.0	< 5.00	49.251	90.7	< 54.4	6/8/2010
6/4/2010	K5244-3D		2.522	25.0			90.7		
6/4/2010	K5244-3MS	50	2.562	25.0	220.979	2156.313	90.7	2380	6/8/2010
6/4/2010	K5244-3MSD	50	2.553	25.0	209.374	2050.274	90.7	2260	6/8/2010
6/4/2010	K5244-4	50	2.534	25.0	< 5.00	49.329	95.4	< 51.8	6/8/2010

STD ID: ANIONS IN SOIL D064-543

%REC=

5244-3/3D X= RPD= %

5244-3MS (0.5*10000)/2.562/.907= 2150

%REC= 111%

5244-3MSD (0.5*10000)/2.553/.907= 2160

%REC= 105%

Prepared By: Mblack	Date Prepared: 6/4/10
Analyzed By: Mblack	Date Analyzed: 6/8/10
Reviewed By: <i>in</i>	Date Reviewed: <i>6/21/10</i>

COLUMBIA ANALYTICAL SERVICES, INC.

Work Order #: K5244

Prep Method: DI EXT

Analysis: NITRATE

Analytical Method: _____

300

Date Prepared	Sample Name /Lab Code	Dilution	Initial Wt./Vol. (g) or (ml)	Final Volume (ml)	mg/L (in solution)	mg/L - mg/kg As Rec'd	% Solids	mg/kg Dry Wt.	Date Analyzed
6/4/2010	MB	1	25.0	25.0	<0.1 ✓	<0.1			6/8/2010
6/4/2010	LCS	10	2.508 -	25.0	16.916 ✓	169			6/8/2010
6/4/2010	K5244-1	10	2.565 -	25.0	11.292 ✓	110.058	66.9	165	6/8/2010
6/4/2010	K5244-2	50	2.513 -	25.0	5.00 ✓	49.741	89.0	55.9	6/8/2010
6/4/2010	K5244-3	50	2.538 -	25.0	5.00 ✓	49.251	90.7	54.4	6/8/2010
6/4/2010	K5244-3D	50	2.522 -	25.0			90.7		
6/4/2010	K5244-3MS	50	2.562 -	25.0	227.798 ✓	2222.853	90.7	2450	6/8/2010
6/4/2010	K5244-3MSD	50	2.553 -	25.0	222.353 ✓	2177.370	90.7	2400	6/8/2010
6/4/2010	K5244-4	50	2.534 -	25.0	5.00 ✓	49.329	95.4	51.8	6/8/2010

STD ID: ANIONS IN SOIL D064-543

NO3 T.V.= 164

%REC= 103%

5244-3/3D X= RPD= %

5244-3MS (0.5*10000)/2.562/.907= 2150

%REC= 114%

5244-3MSD (0.5*10000)/2.553/.907= 2160

%REC= 111%

Prepared By: Mblack

Date Prepared: 6/4/10

Analyzed By: Mblack

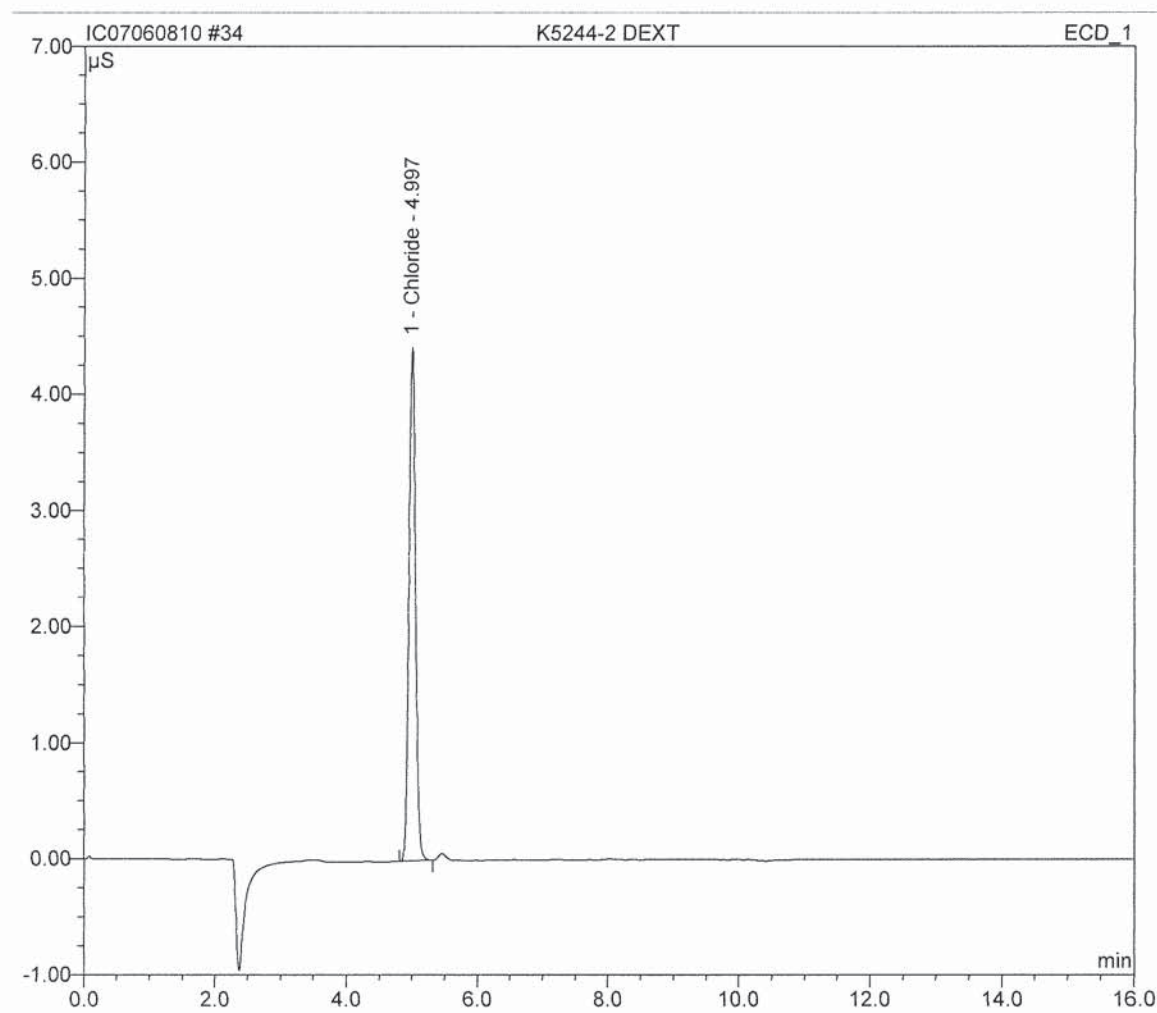
Date Analyzed: 6/8/10

Reviewed By: *[Signature]*

Date Reviewed: 6/21/10

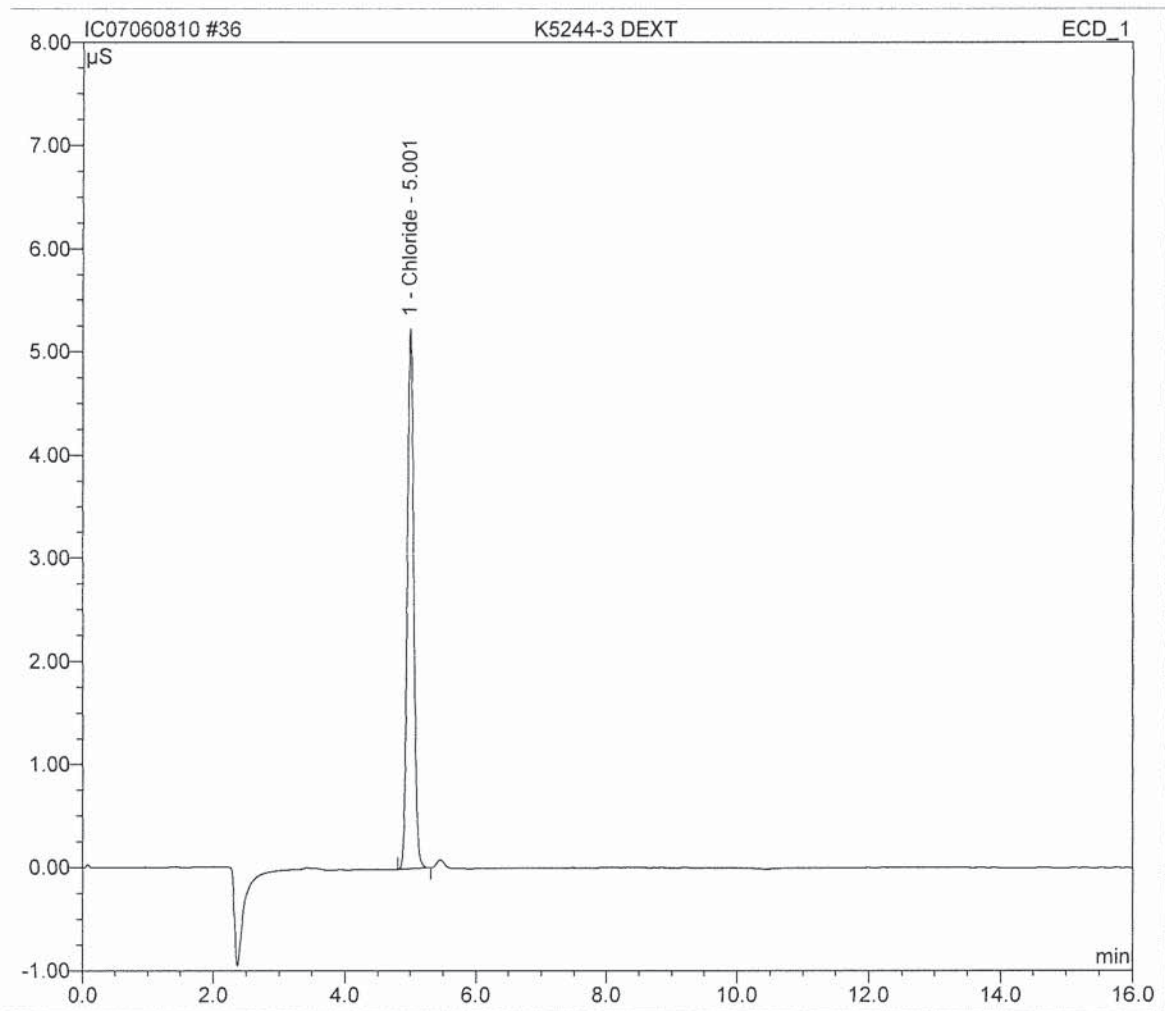
Sample Name:	K5244-2 DEXT	Inj. Vol.:	25.0
Sample Type:	unknown	Dilution Factor:	10000.0000
Program:	300	Operator:	n.a.
Inj. Date/Time:	08/06/10 16:37	Run Time:	16.00

No.	Time min	Peak Name	Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount ppm
1	5.00	Chloride	BMB	0.511	4.422	30331.8303
TOTAL:				0.51	4.42	30331.83



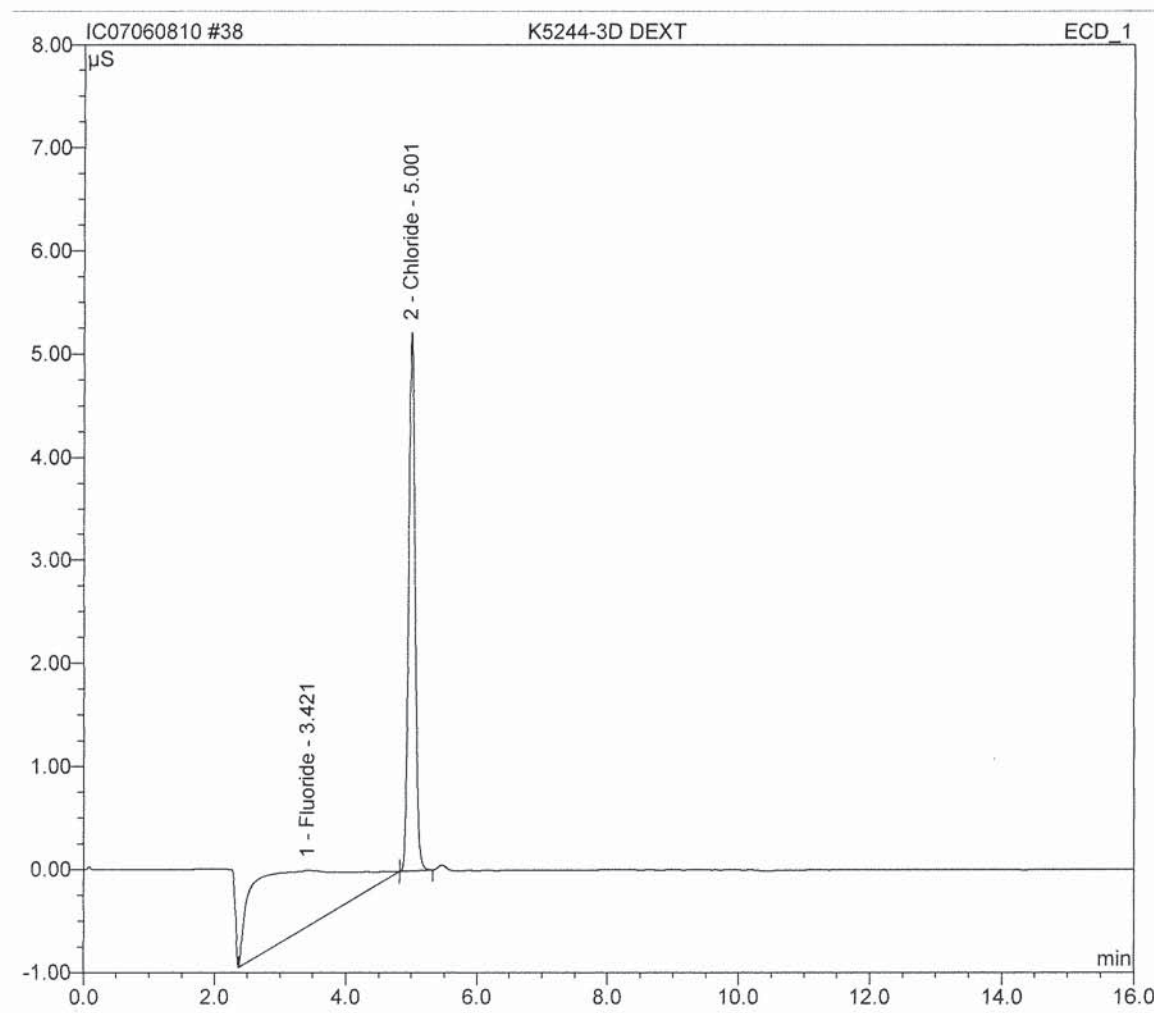
Sample Name:	K5244-3 DEXT	Inj. Vol.:	25.0
Sample Type:	unknown	Dilution Factor:	10000.0000
Program:	300	Operator:	n.a.
Inj. Date/Time:	08/06/10 17:12	Run Time:	16.00

No.	Time min	Peak Name	Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount ppm
1	5.00	Chloride	BMB	0.602	5.233	35755.7629
TOTAL:				0.60	5.23	35755.76



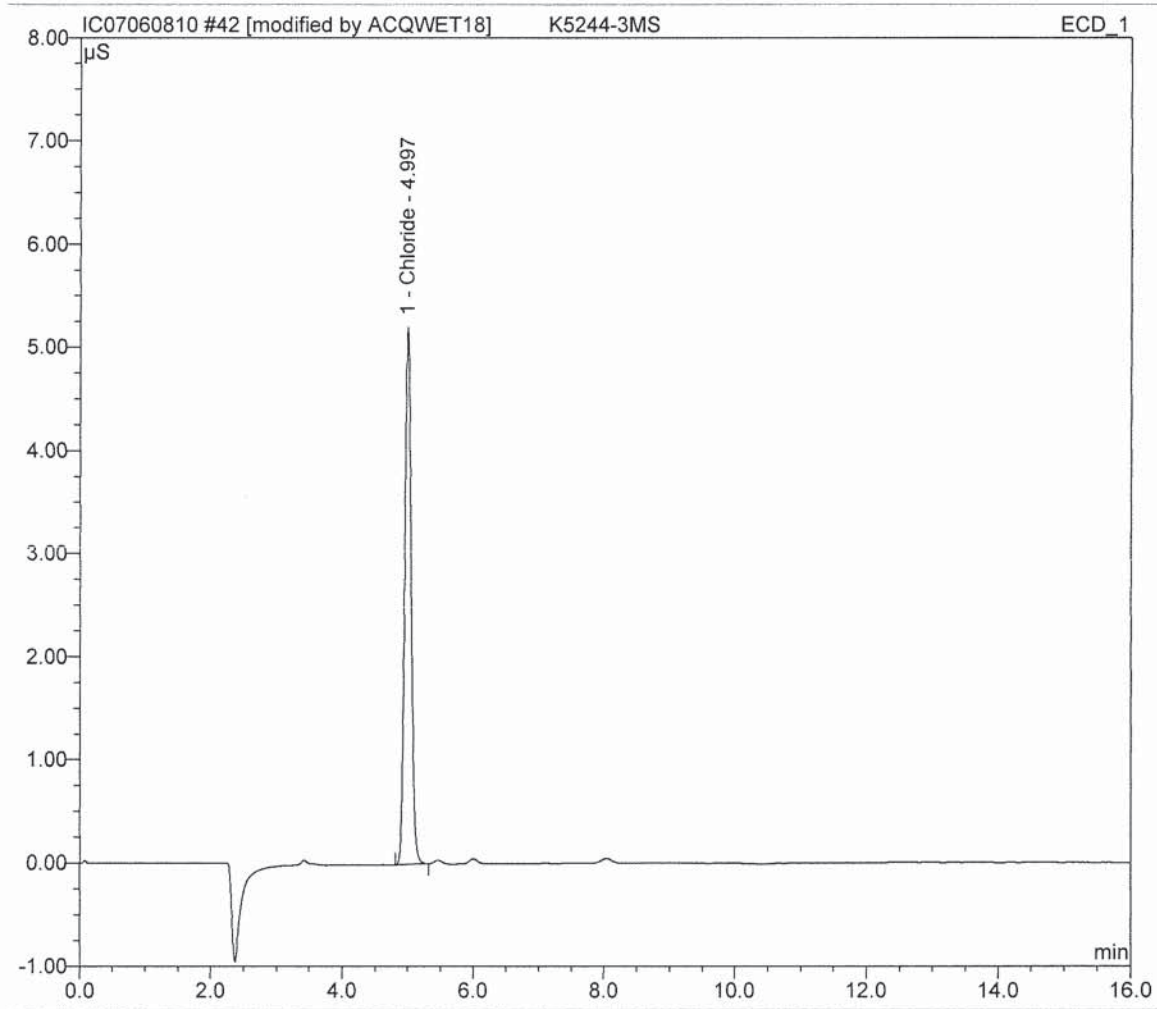
Sample Name:	K5244-3D DEXT	Inj. Vol.:	25.0
Sample Type:	unknown	Dilution Factor:	10000.0000
Program:	300	Operator:	n.a.
Inj. Date/Time:	08/06/10 17:47	Run Time:	16.00

No.	Time min	Peak Name	Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount ppm
1	3.42	Fluoride	BMB	1.030	0.551	38497.7277
2	5.00	Chloride	bMB	0.601	5.223	35675.9318
TOTAL:				1.63	5.77	74173.66



Sample Name:	K5244-3MS	Inj. Vol.:	25.0
Sample Type:	unknown	Dilution Factor:	10000.0000
Program:	300	Operator:	n.a.
Inj. Date/Time:	08/06/10 18:57	Run Time:	16.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	5.00	Chloride	BMB*	0.598	5.202	35511.4675
TOTAL:				0.60	5.20	35511.47



After
injects

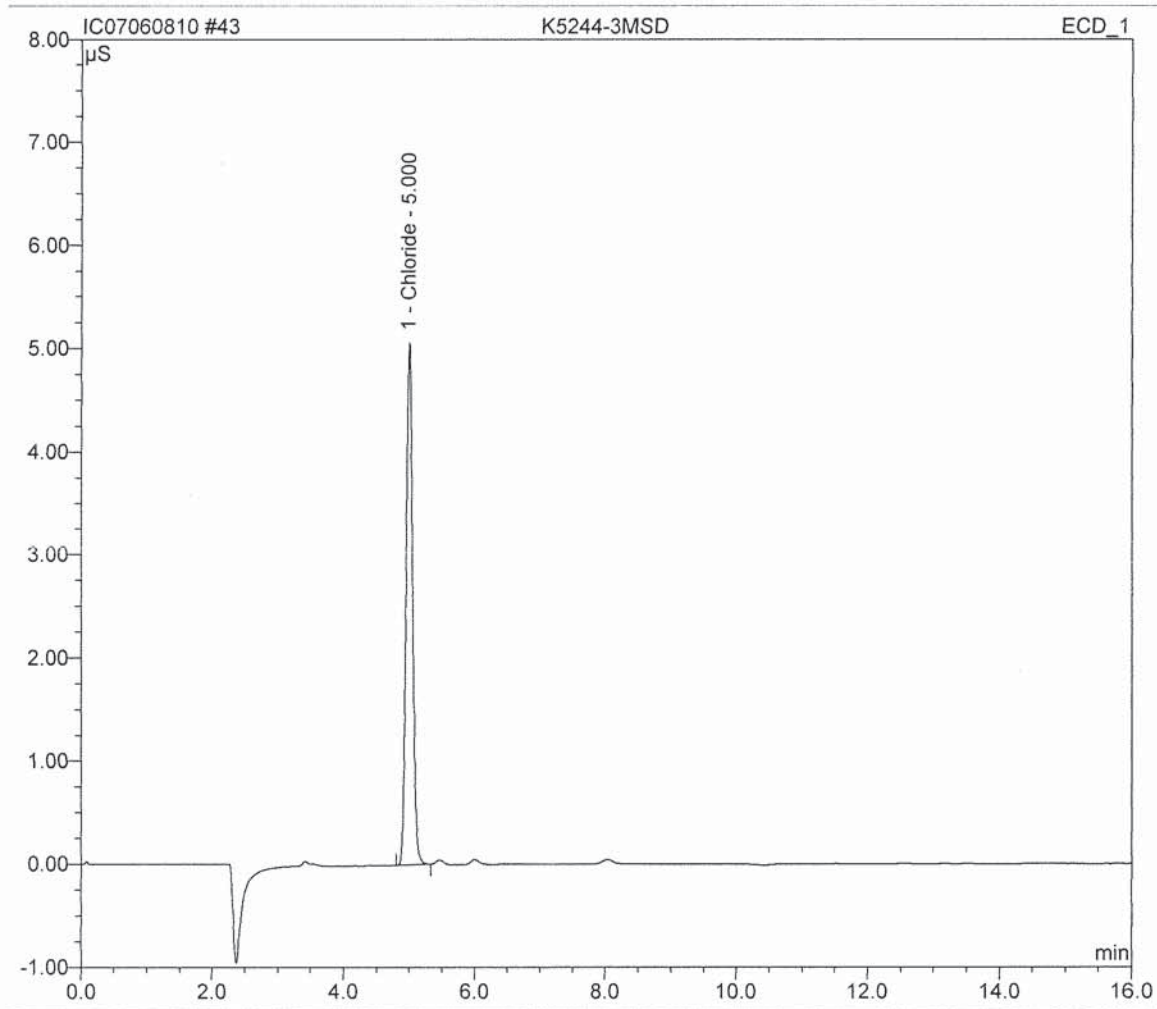
MS

06/21/10

08 2010

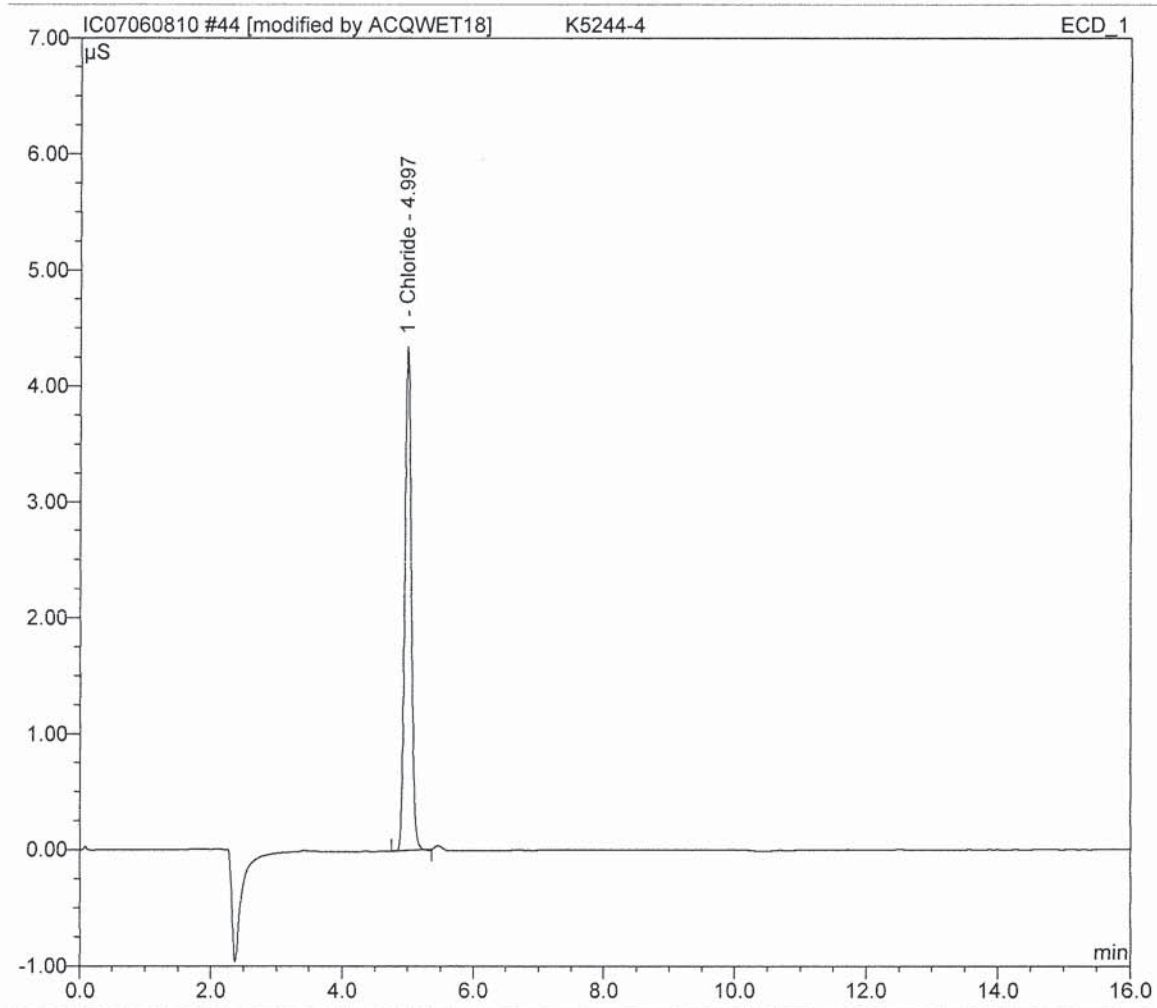
Sample Name:	K5244-3MSD	Inj. Vol.:	25.0
Sample Type:	unknown	Dilution Factor:	10000.0000
Program:	300	Operator:	n.a.
Inj. Date/Time:	08/06/10 19:14	Run Time:	16.00

No.	Time min	Peak Name	Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount ppm
1	5.00	Chloride	BMB	0.583	5.063	34582.4867
TOTAL:				0.58	5.06	34582.49



Sample Name:	K5244-4	Inj. Vol.:	25.0
Sample Type:	unknown	Dilution Factor:	10000.0000
Program:	300	Operator:	n.a.
Inj. Date/Time:	08/06/10 19:32	Run Time:	16.00

No.	Time min	Peak Name	Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount ppm
1	5.00	Chloride	BMB*	0.500	4.348	29669.2184
TOTAL:				0.50	4.35	29669.22



After Initials

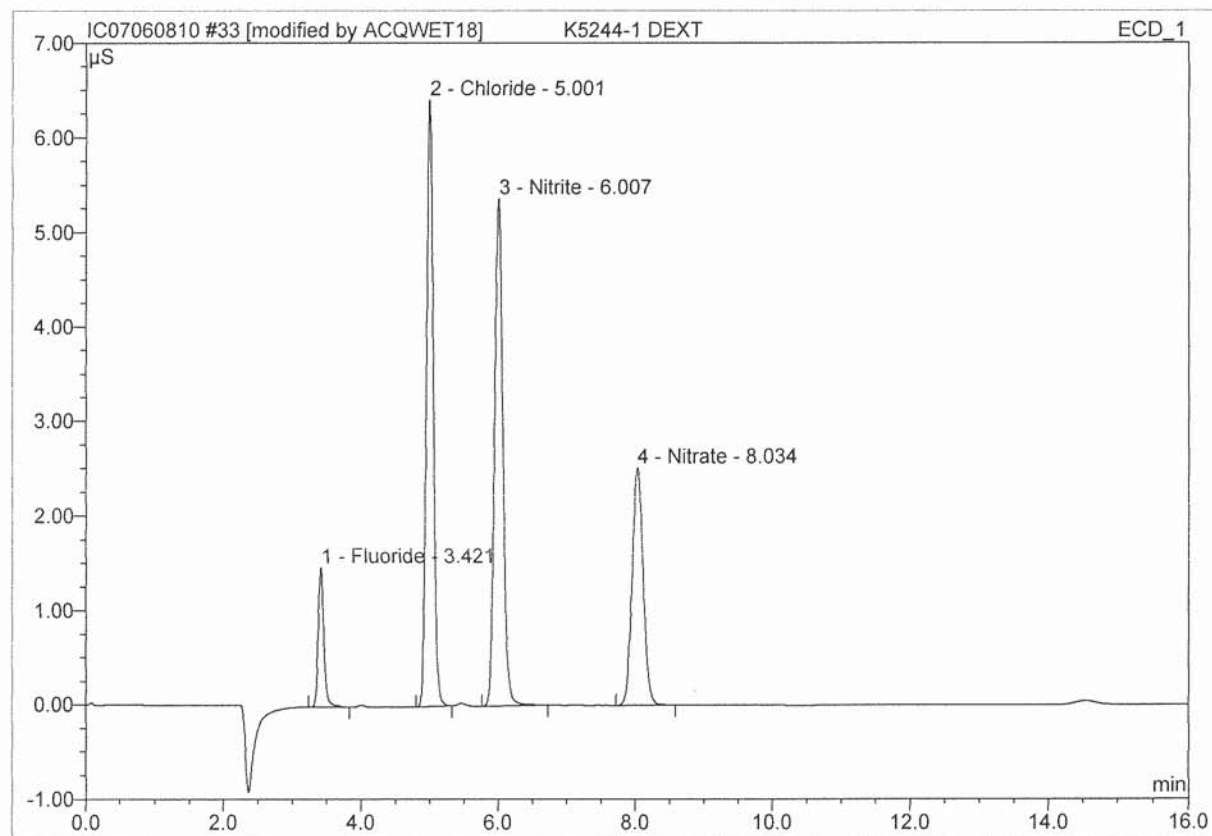
MB

JUN 08 2010

Method Parameters Checked and Correct
 Sample Data Checked and Correct

MB 6/21/10

33 K5244-1 DEXT			
Sample Name:	K5244-1 DEXT	Injection Volume:	25.0
Vial Number:	26	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	10.0000
Recording Time:	6/8/2010 16:20	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



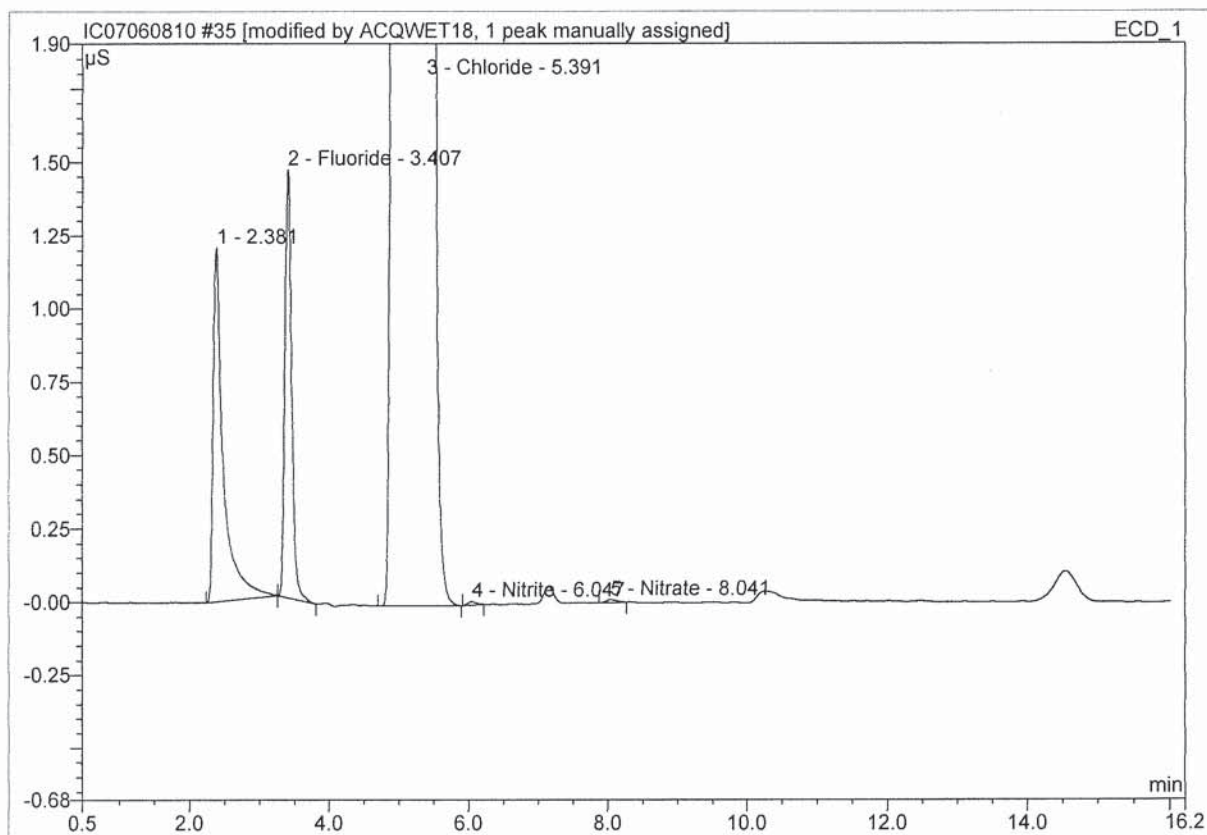
No.	Ret. Time min	Peak Name	Height μS	Area $\mu\text{S} \cdot \text{min}$	Rel. Area %	Amount ppm	Type
1	3.42	Fluoride	1.477	0.142	6.74	5.316	BMB*
2	5.00	Chloride	6.413	0.737	34.93	43.743	BMB*
3	6.01	Nitrite	5.367	0.761	36.07	20.289	BMB
4	8.03	Nitrate	2.509	0.470	22.26	11.292	BMB
Total:			15.766	2.110	100.00	80.640	

A3m
Initials MB

Handwritten signature
6/21/10

JUN 08 2010

35 K5244-2 DEXT			
Sample Name:	K5244-2 DEXT	Injection Volume:	25.0
Vial Number:	28	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	50.0000
Recording Time:	6/8/2010 16:55	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.38	n.a.	1.206	0.205	0.13	n.a.	BMB*
2	3.41	Fluoride	1.461	0.164	0.10	30.680	bMB*
3	5.39	Chloride	533.472	158.761	99.77	#####	BMB^
4	6.05	Nitrite < 5.00	0.012	0.002	0.00	0.214	BMB*
5	8.04	Nitrate < 5.00	0.011	0.002	0.00	0.220	BMB*
Total:			536.162	159.134	100.00	#####	

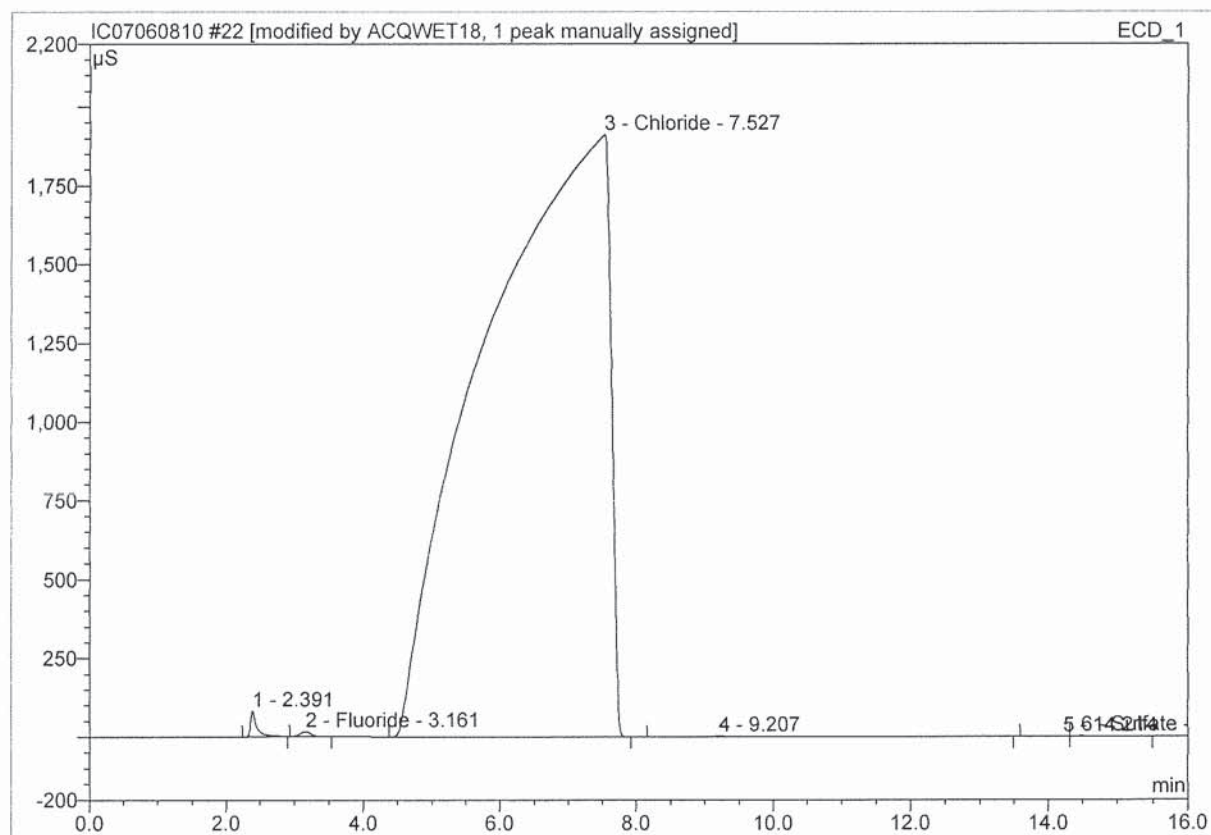
After Initials

LB

6/21/10

JUN 08 2010

22 K5244-2 DEXT			
Sample Name:	K5244-2 DEXT	Injection Volume:	25.0
Vial Number:	15	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 13:08	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

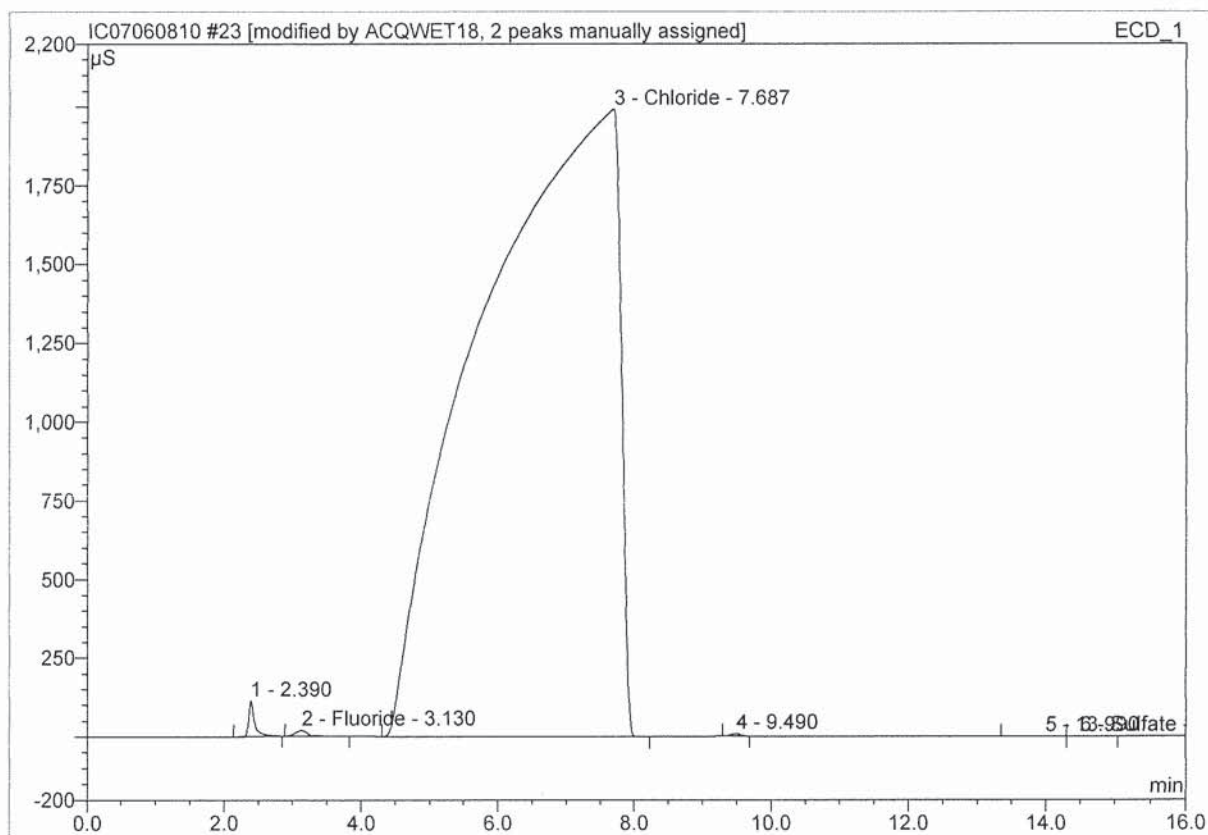


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.39	n.a.	81.772	9.006	0.22	n.a.	BMB*
2	3.16	Fluoride	14.983	2.630	0.07	19.658	BMB*
3	7.53	Chloride	1911.435	4026.250	99.65	#####	BMB^A
4	9.21	n.a.	1.899	1.692	0.04	n.a.	BMB
5	14.21	n.a.	1.109	0.391	0.01	n.a.	BM *
6	14.48	Sulfate NR	1.166	0.458	0.01	NR 8.048	MB*
Total:			2012.364	4040.429	100.00	#####	

Affix (10) 6/8/10
baseline
Wrong Peak.

06/21/10

23 K5244-3 DEXT			
Sample Name:	K5244-3 DEXT	Injection Volume:	25.0
Vial Number:	16	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 13:25	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.39	n.a.	111.197	11.373	0.24	n.a.	BMB*
2	3.13	Fluoride	17.302	3.476	0.07	25.979	BMB*
3	7.69	Chloride	1992.904	4636.378	99.65	#####	BMB*^
4	9.49	n.a.	7.450	1.120	0.02	n.a.	BMB
5	13.99	n.a.	0.397	0.209	0.00	n.a.	BM *
6	14.50	Sulfate	0.301	0.119	0.00	2.094	MB*^
Total:			2129.551	4652.675	100.00	#####	

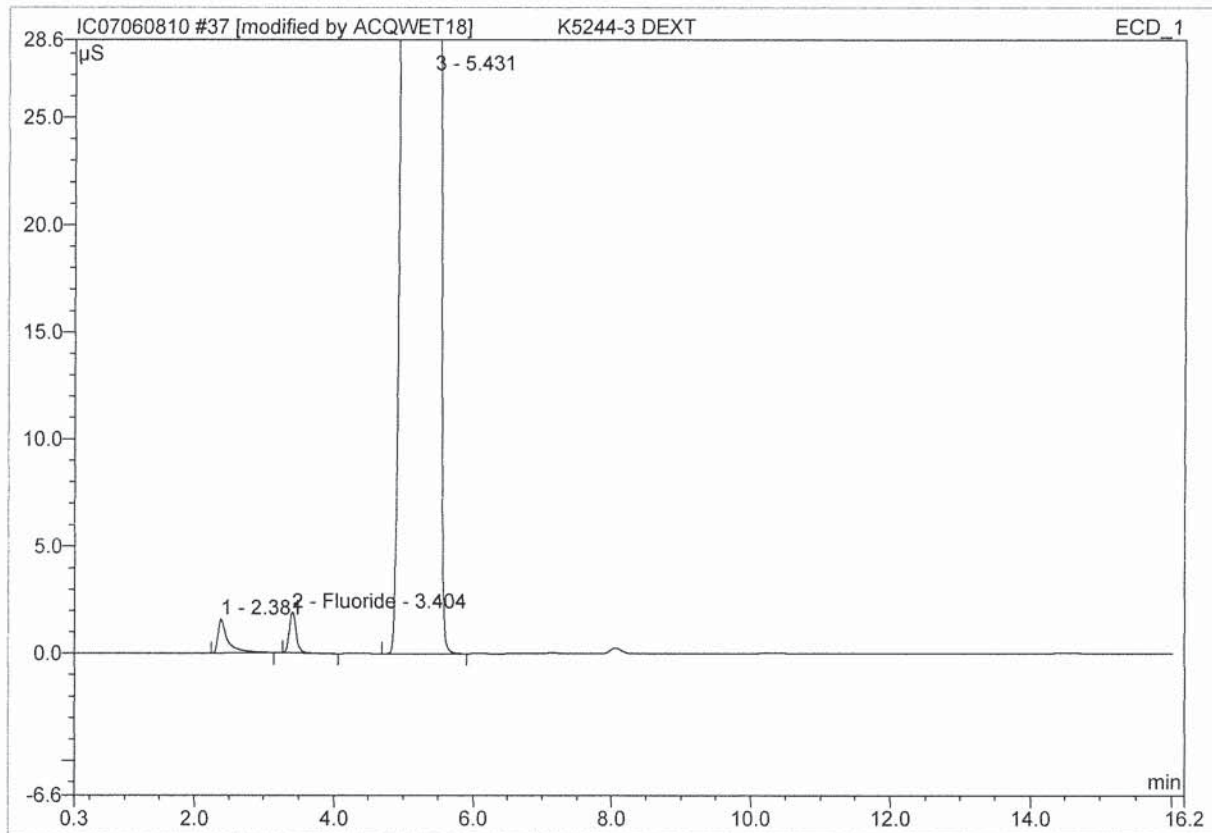
After Initials

MB

06/21/10

JUN 03 2010

37 K5244-3 DEXT			
Sample Name:	K5244-3 DEXT	Injection Volume:	25.0
Vial Number:	30	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	50.0000
Recording Time:	6/8/2010 17:30	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

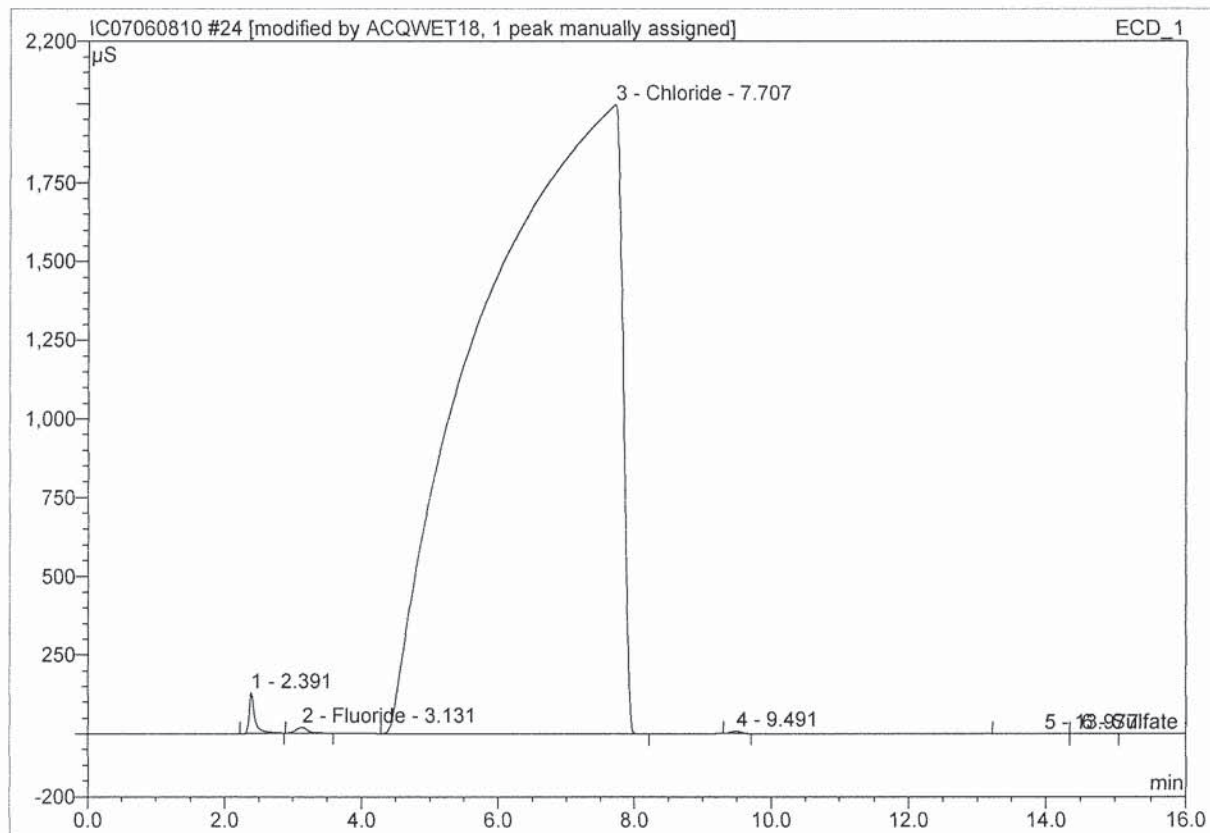


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	2.38	n.a.	1.586	0.263	0.14	n.a.	BMB*
2	3.40	Fluoride	1.895	0.220	0.12	41.034	BMB*
3	5.43	n.a.	580.463	188.182	99.74	n.a.	BMB
Total:			583.943	188.665	100.00	41.034	

Nitrite = ND < 5.00
 Nitrate = ND < 5.00
 After 6/8/10
 Base line

Handwritten signature 6/12/10

24 K5244-3D DEXT			
Sample Name:	K5244-3D DEXT	Injection Volume:	25.0
Vial Number:	17	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 13:43	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



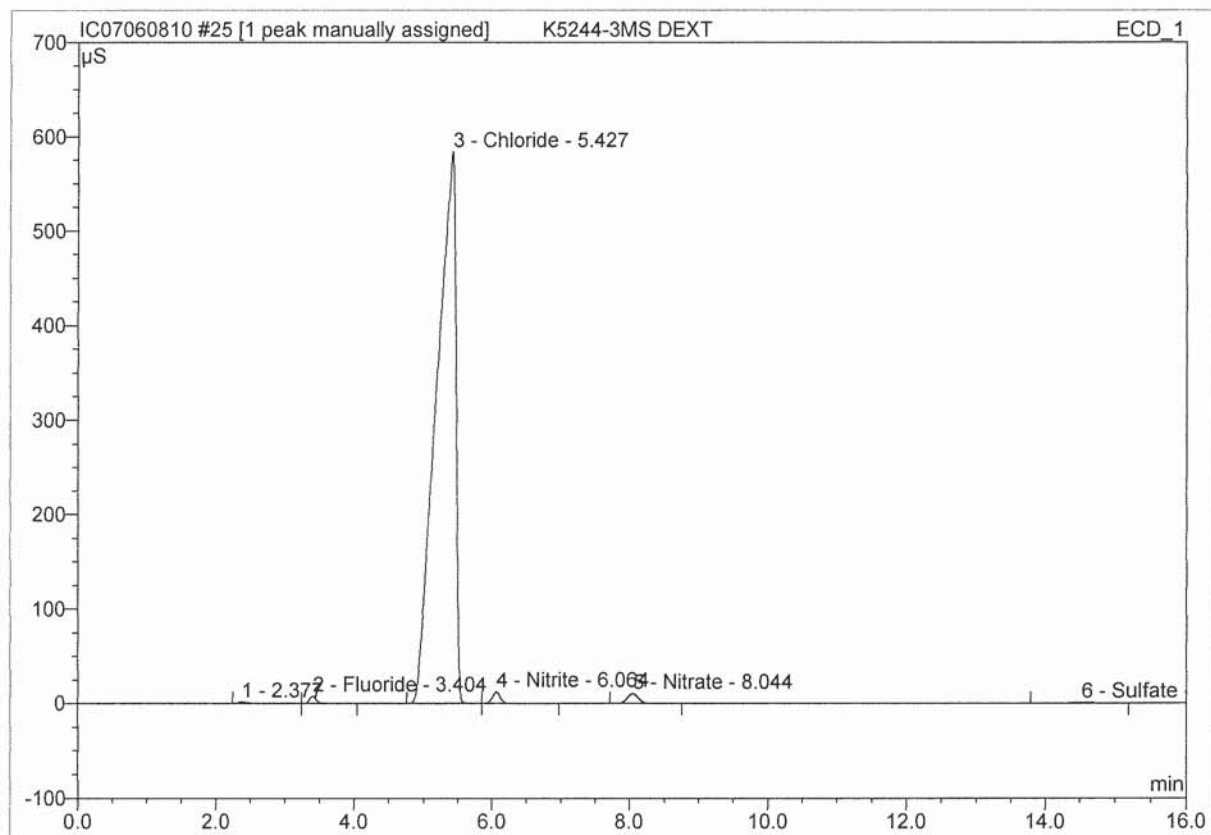
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.39	n.a.	128.229	12.606	0.27	n.a.	BMB*
2	3.13	Fluoride	17.509	3.454	0.07	25.812	BMB*
3	7.71	Chloride	1997.427	4666.985	99.63	#####	BMB [^]
4	9.49	n.a.	7.084	1.133	0.02	n.a.	BMB
5	13.98	n.a.	0.425	0.246	0.01	n.a.	BM *
6	14.52	Sulfate	0.256	0.096	0.00	1.684	MB*
Total:			2150.930	4684.520	100.00	#####	

After Initials *WD*

JUN 08 2010

06/21/10

25 K5244-3MS DEXT			
Sample Name:	K5244-3MS DEXT	Injection Volume:	25.0
Vial Number:	18	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	50.0000
Recording Time:	6/8/2010 14:00	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



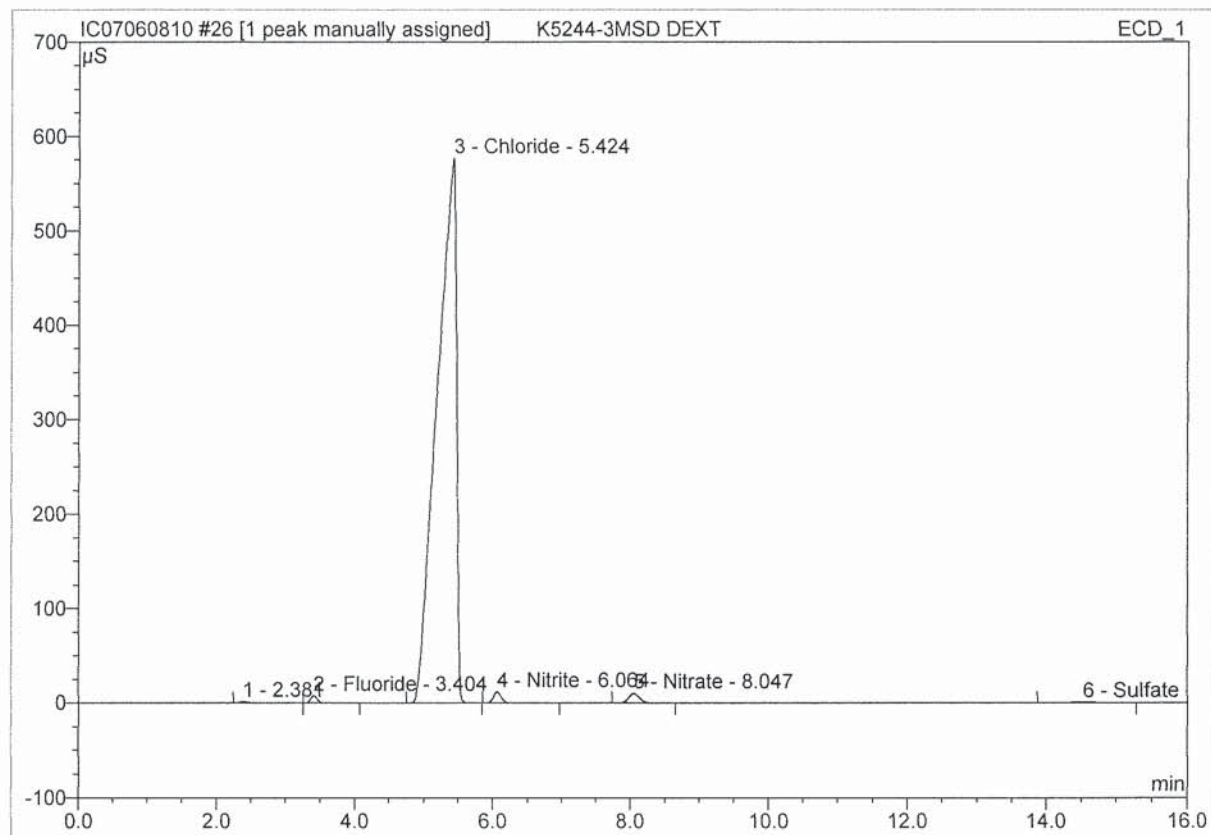
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.38	n.a.	1.740	0.312	0.16	n.a.	BM
2	3.40	Fluoride	7.670	0.889	0.45	166.195	MB
3	5.43	Chloride	583.983	190.453	97.33	#####	BM ^
4	6.06	Nitrite	12.350	1.658	0.85	220.979	MB
5	8.04	Nitrate	10.447	1.895	0.97	227.798	BMB
6	14.53	Sulfate	1.240	0.467	0.24	205.306	BMB
Total:			617.430	195.675	100.00	#####	

After Initials **MB**

6/21/10

JUN 08 2010

26 K5244-3MSD DEXT			
Sample Name:	K5244-3MSD DEXT	Injection Volume:	25.0
Vial Number:	19	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	50.0000
Recording Time:	6/8/2010 14:18	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



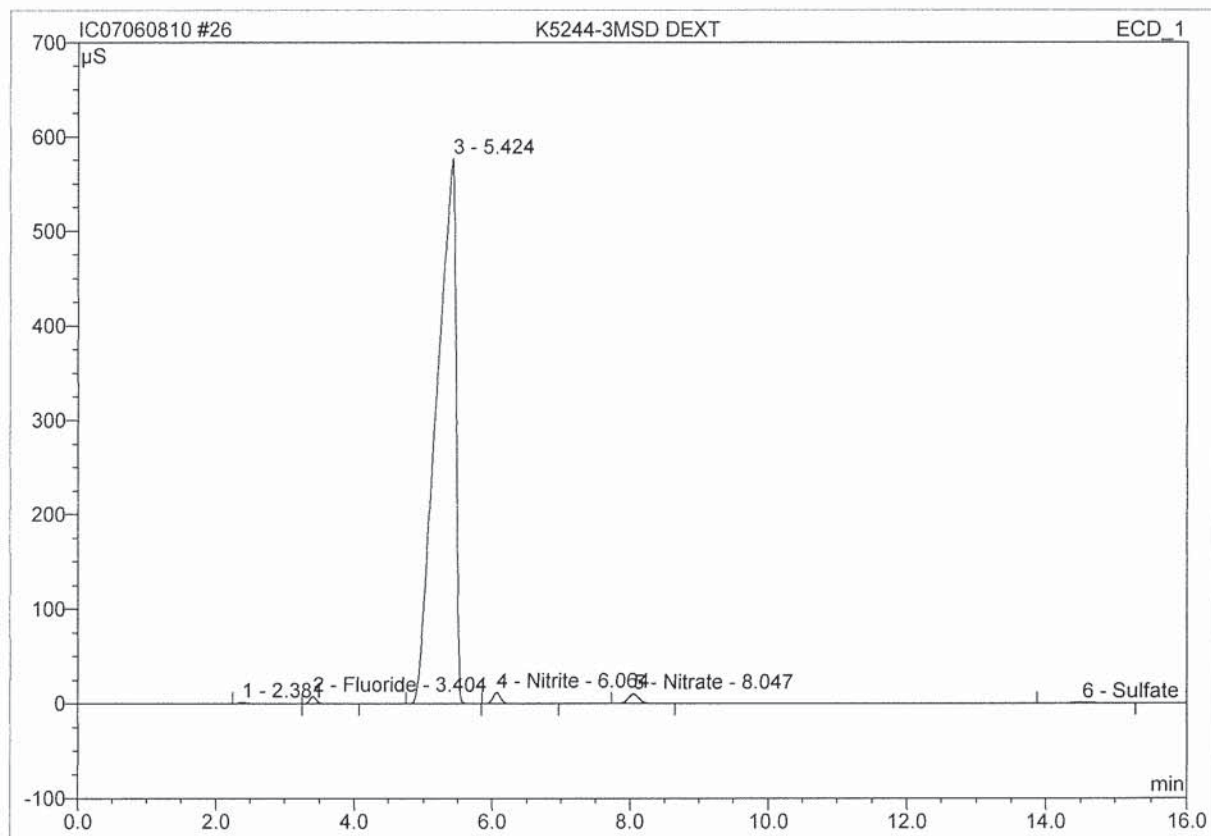
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.38	n.a.	1.660	0.300	0.16	n.a.	BM
2	3.40	Fluoride	7.598	0.876	0.46	163.614	MB
3	5.42	Chloride	576.864	185.733	97.35	#####	BMB^
4	6.06	Nitrite	11.799	1.571	0.82	209.374	BMB
5	8.05	Nitrate	10.187	1.850	0.97	222.353	BMB
6	14.54	Sulfate	1.215	0.458	0.24	201.211	BMB
Total:			609.323	190.788	100.00	#####	

MB

JUN 08 2010

206/21/10

26 K5244-3MSD DEXT			
Sample Name:	K5244-3MSD DEXT	Injection Volume:	25.0
Vial Number:	19	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	50.0000
Recording Time:	6/8/2010 14:18	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

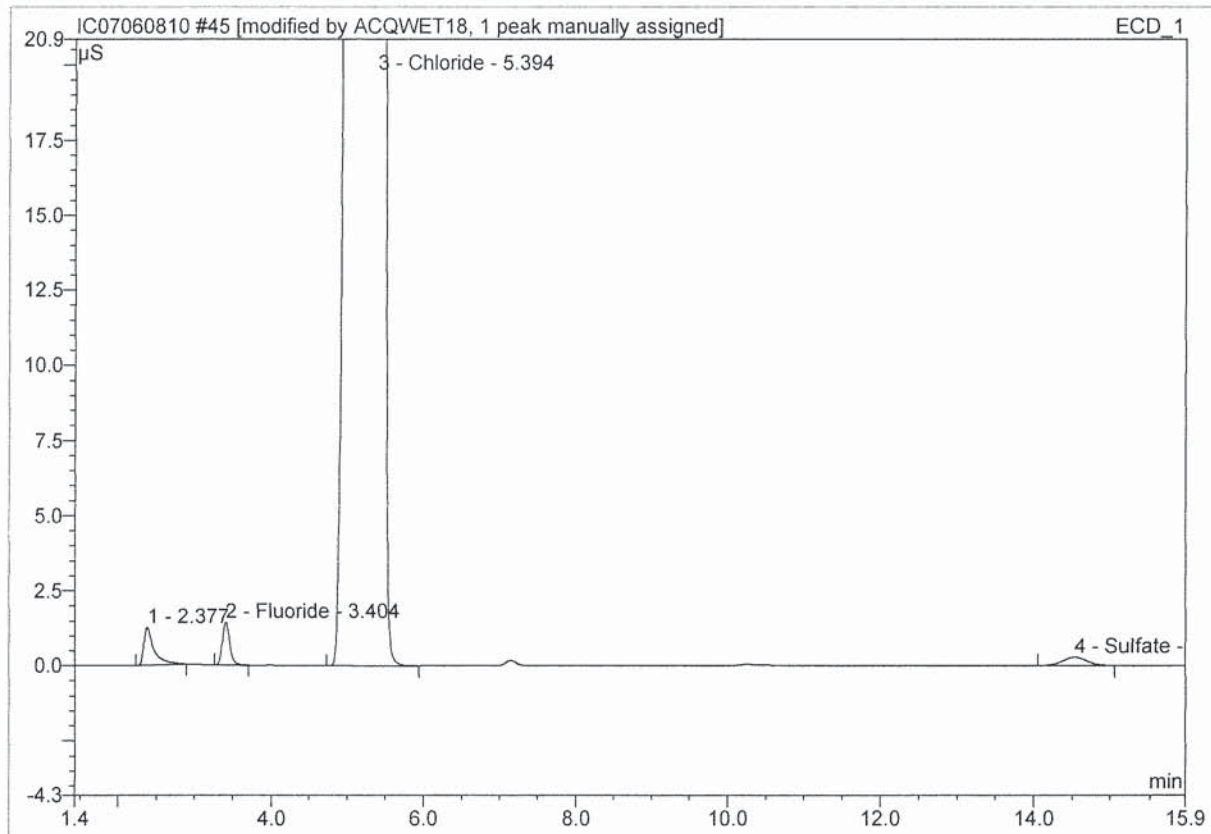


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.38	n.a.	1.660	0.300	0.16	n.a.	BM
2	3.40	Fluoride	7.598	0.876	0.46	163.614	MB
3	5.42	n.a.	576.864	185.733	97.35	n.a.	BMB
4	6.06	Nitrite	11.799	1.571	0.82	209.374	BMB
5	8.05	Nitrate	10.187	1.850	0.97	222.353	BMB
6	14.54	Sulfate	1.215	0.458	0.24	201.211	BMB
Total:			609.323	190.788	100.00	796.552	

Before

JUN 08 2010

45 K5244-4			
Sample Name:	K5244-4	Injection Volume:	25.0
Vial Number:	38	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	50.0000
Recording Time:	6/8/2010 19:49	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.38	n.a.	1.269	0.195	0.12	n.a.	BMB*
2	3.40	Fluoride	1.431	0.160	0.10	29.916	BMB*
3	5.39	Chloride	541.942	163.627	99.72	#####	BMB^
4	14.53	Sulfate NR	0.278	0.103	0.06	45.322	BMB
Total:			544.920	164.085	100.00	#####	

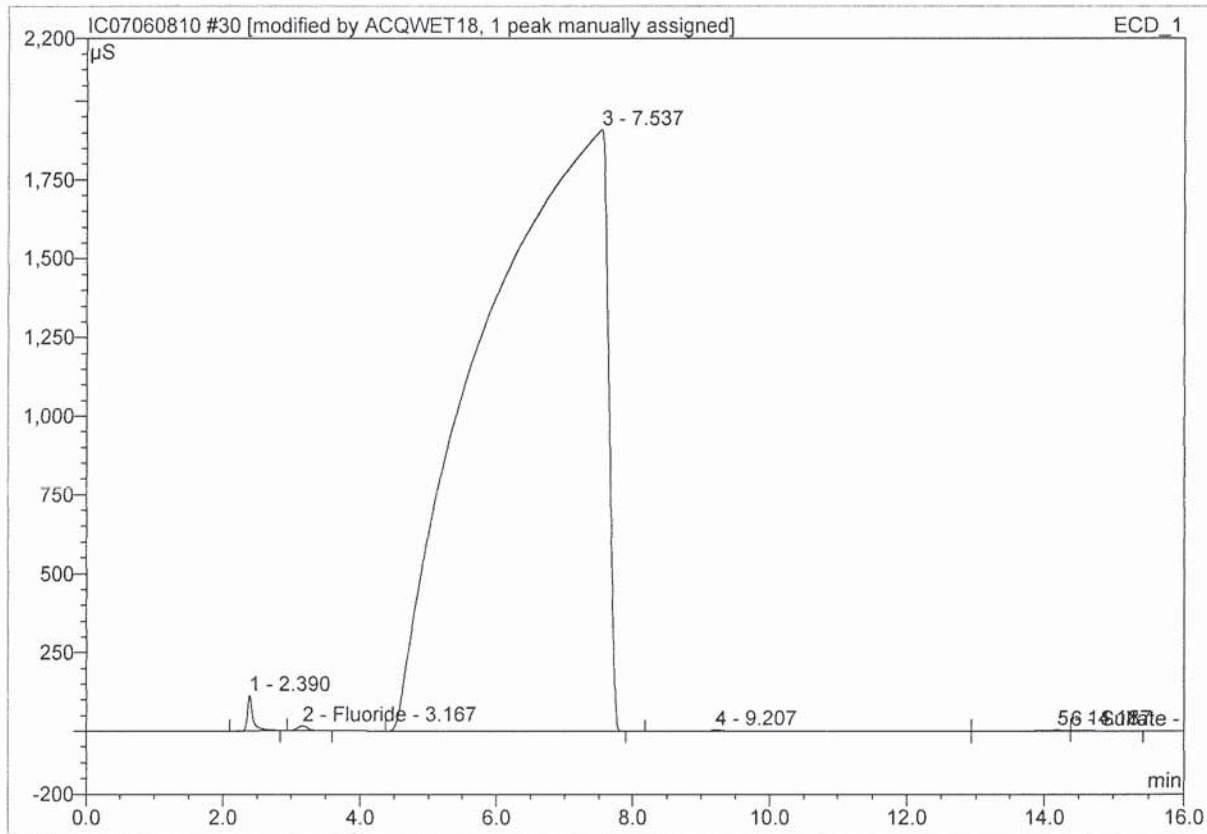
Nitrate = ND < 5.00 Elevated ure due to high chloride.
Nitrite = ND < 5.00

After Initials AB

6/21/10

0 9 2010

30 K5244-4 DEXT			
Sample Name:	K5244-4 DEXT	Injection Volume:	25.0
Vial Number:	23	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 15:27	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount ppm	Type
1	2.39	n.a.	112.482	10.522	0.26	n.a.	BMB*
2	3.17	Fluoride	15.087	2.597	0.06	19.406	BMB*
3	7.54	n.a.	1910.298	4020.345	99.56	n.a.	BMB*
4	9.21	n.a.	5.448	2.052	0.05	n.a.	BMB*
5	14.19	n.a.	3.244	1.526	0.04	n.a.	bM*
6	14.38	Sulfate MB	2.905	0.970	0.02	17.049	MB*^
Total:			2049.464	4038.013	100.00	36.455	

Anal
Initials

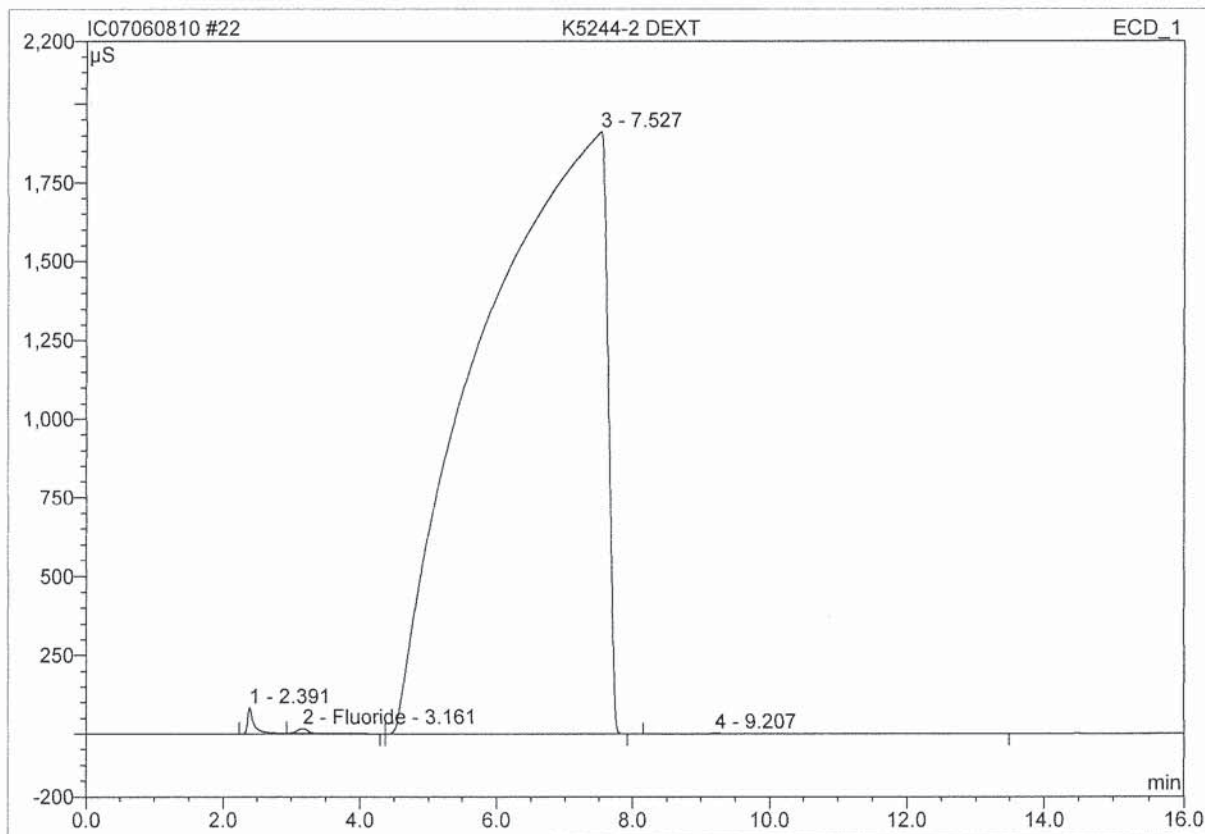
MB

JUN 08 2010

06/21/10

22 K5244-2 DEXT

Sample Name:	K5244-2 DEXT	Injection Volume:	25.0
Vial Number:	15	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 13:08	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

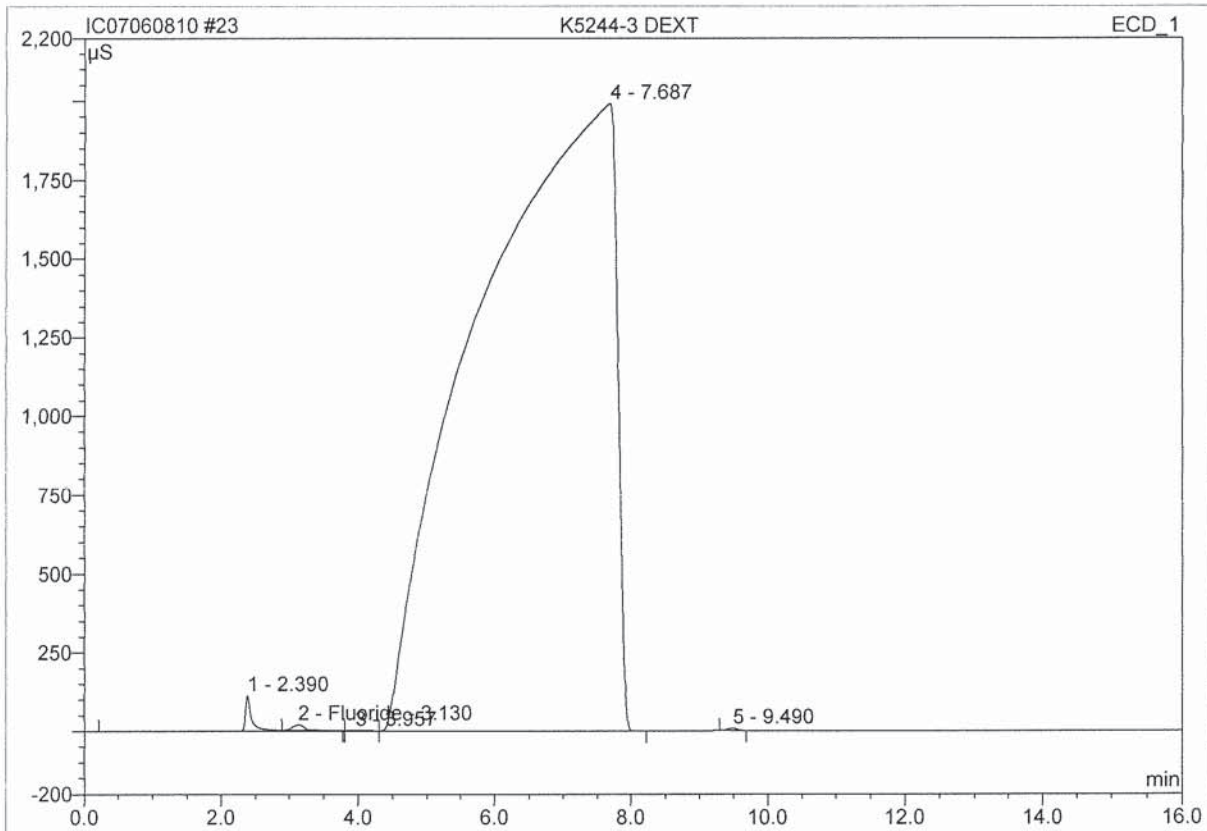


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.39	n.a.	82.266	11.270	0.28	n.a.	BMB
2	3.16	Fluoride	15.367	3.644	0.09	27.237	Rd
3	7.53	n.a.	1911.435	4026.250	99.59	n.a.	bMB
4	9.21	n.a.	1.899	1.692	0.04	n.a.	BMB
Total:			2010.967	4042.857	100.00	27.237	

Before

JUN 08 2010

23 K5244-3 DEXT			
Sample Name:	K5244-3 DEXT	Injection Volume:	25.0
Vial Number:	16	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 13:25	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

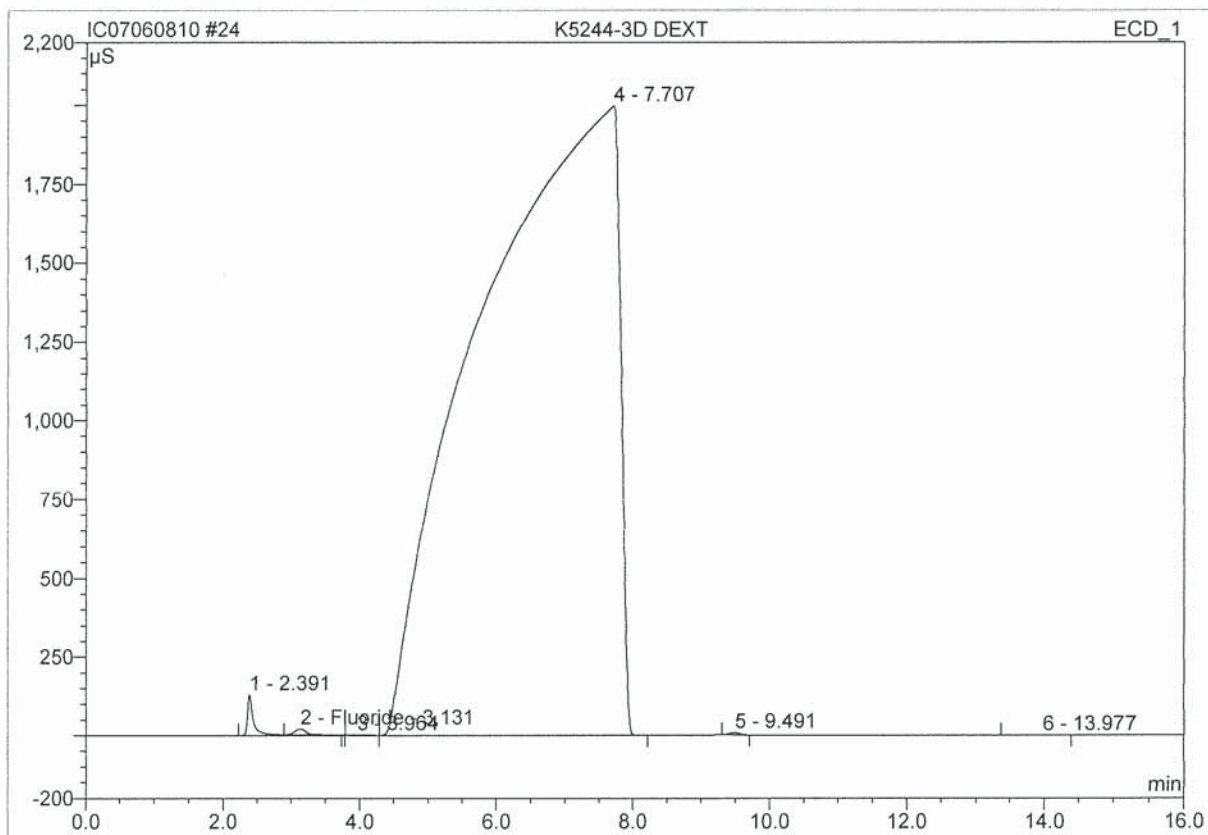


No.	Ret.Time min	Peak Name	Height μ S	Area μ S*min	Rel.Area %	Amount ppm	Type
1	2.39	n.a.	112.383	15.377	0.33	n.a.	BM
2	3.13	Fluoride	17.305	3.483	0.07	26.027	Rd
3	3.96	n.a.	2.766	1.128	0.02	n.a.	M
4	7.69	n.a.	1993.028	4638.156	99.55	n.a.	MB
5	9.49	n.a.	7.450	1.120	0.02	n.a.	BMB
Total:			2132.932	4659.264	100.00	26.027	

Before

JUN 08 2010

24 K5244-3D DEXT			
Sample Name:	K5244-3D DEXT	Injection Volume:	25.0
Vial Number:	17	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 13:43	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



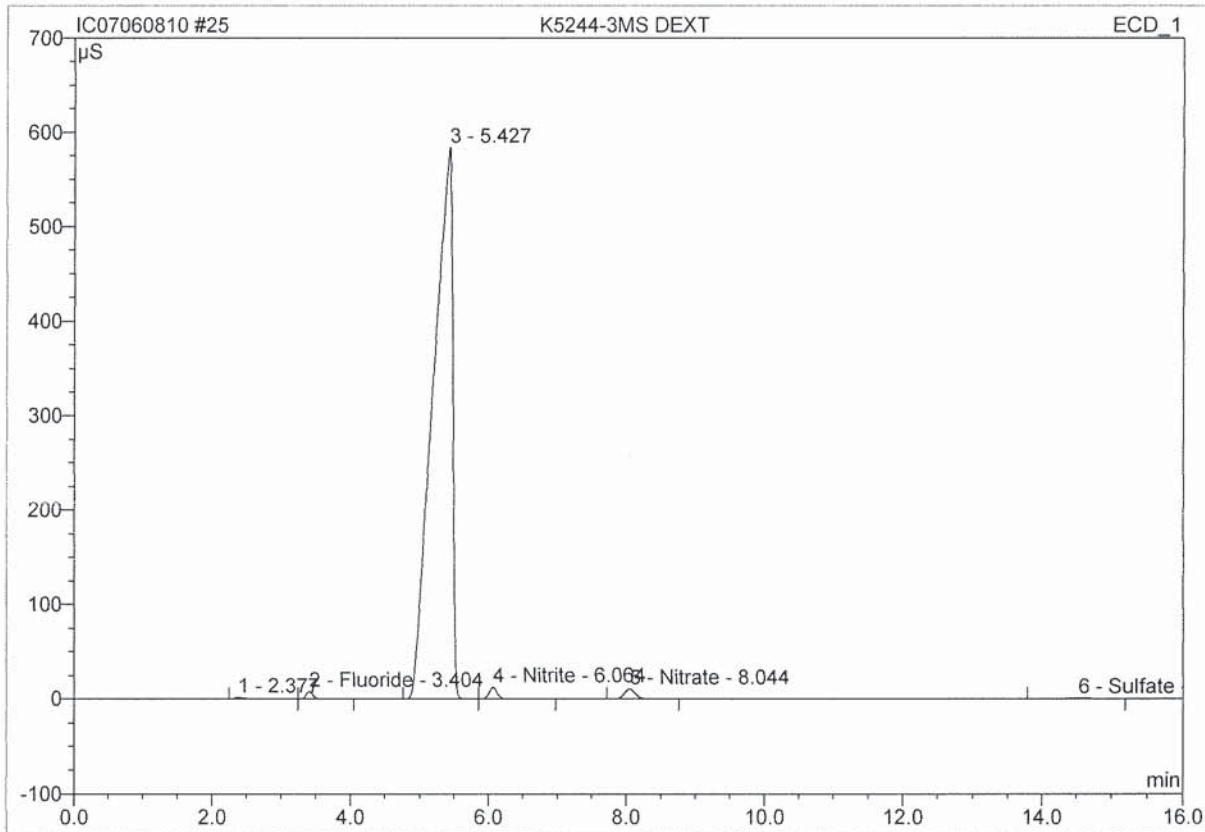
No.	Ret.Time min	Peak Name	Height μ S	Area μ S*min	Rel.Area %	Amount ppm	Type
1	2.39	n.a.	128.958	16.034	0.34	n.a.	BM
2	3.13	Fluoride	17.566	3.519	0.08	26.302	Rd
3	3.96	n.a.	2.632	1.128	0.02	n.a.	M
4	7.71	n.a.	1997.547	4668.816	99.53	n.a.	MB
5	9.49	n.a.	7.084	1.133	0.02	n.a.	BMB
6	13.98	n.a.	0.284	0.131	0.00	n.a.	BMB
Total:			2154.071	4690.761	100.00	26.302	

Before

JUN 08 2010

25 K5244-3MS DEXT

Sample Name:	K5244-3MS DEXT	Injection Volume:	25.0
Vial Number:	18	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	50.0000
Recording Time:	6/8/2010 14:00	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



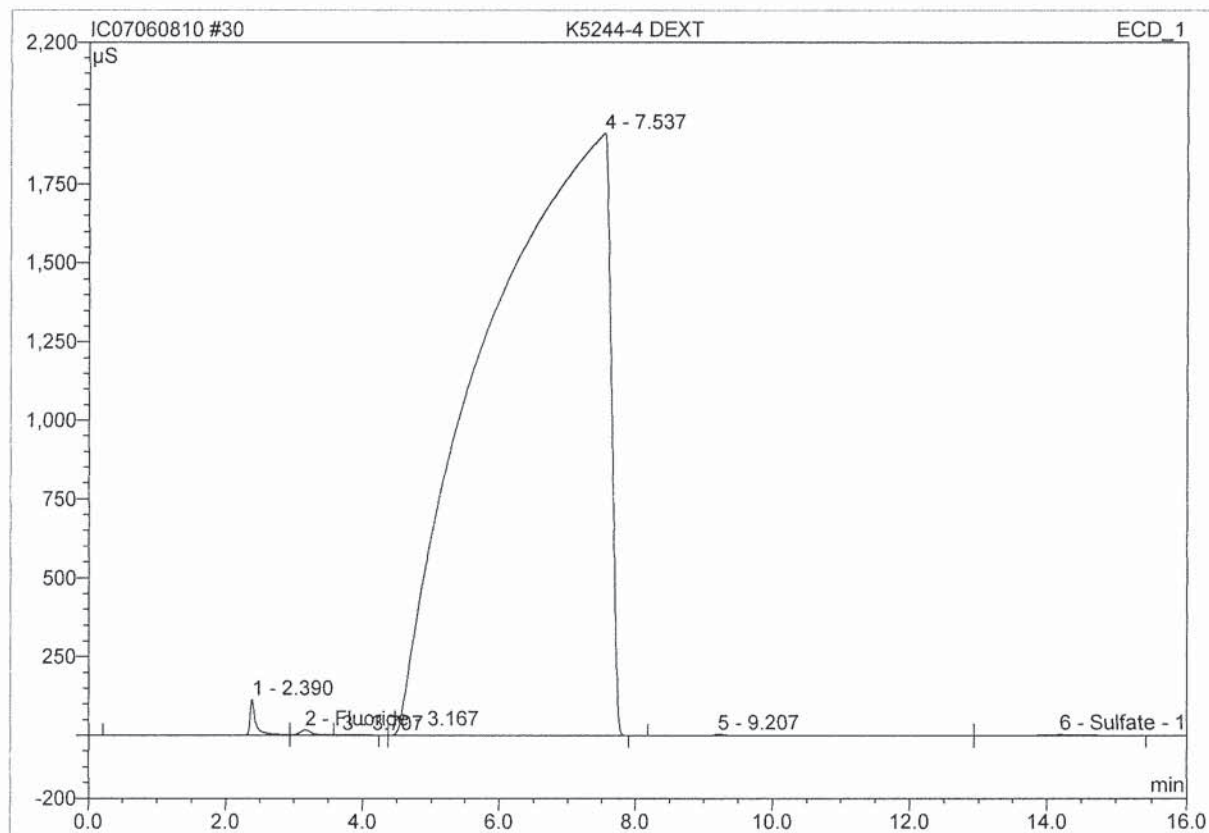
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.38	n.a.	1.740	0.312	0.16	n.a.	BM
2	3.40	Fluoride	7.670	0.889	0.45	166.195	MB
3	5.43	n.a.	583.983	190.453	97.33	n.a.	BM
4	6.06	Nitrite	12.350	1.658	0.85	220.979	MB
5	8.04	Nitrate	10.447	1.895	0.97	227.798	BMB
6	14.53	Sulfate	1.240	0.467	0.24	205.306	BMB
Total:			617.430	195.675	100.00	820.277	

Before

JUN 08 2010

30 K5244-4 DEXT

Sample Name:	K5244-4 DEXT	Injection Volume:	25.0
Vial Number:	23	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 15:27	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

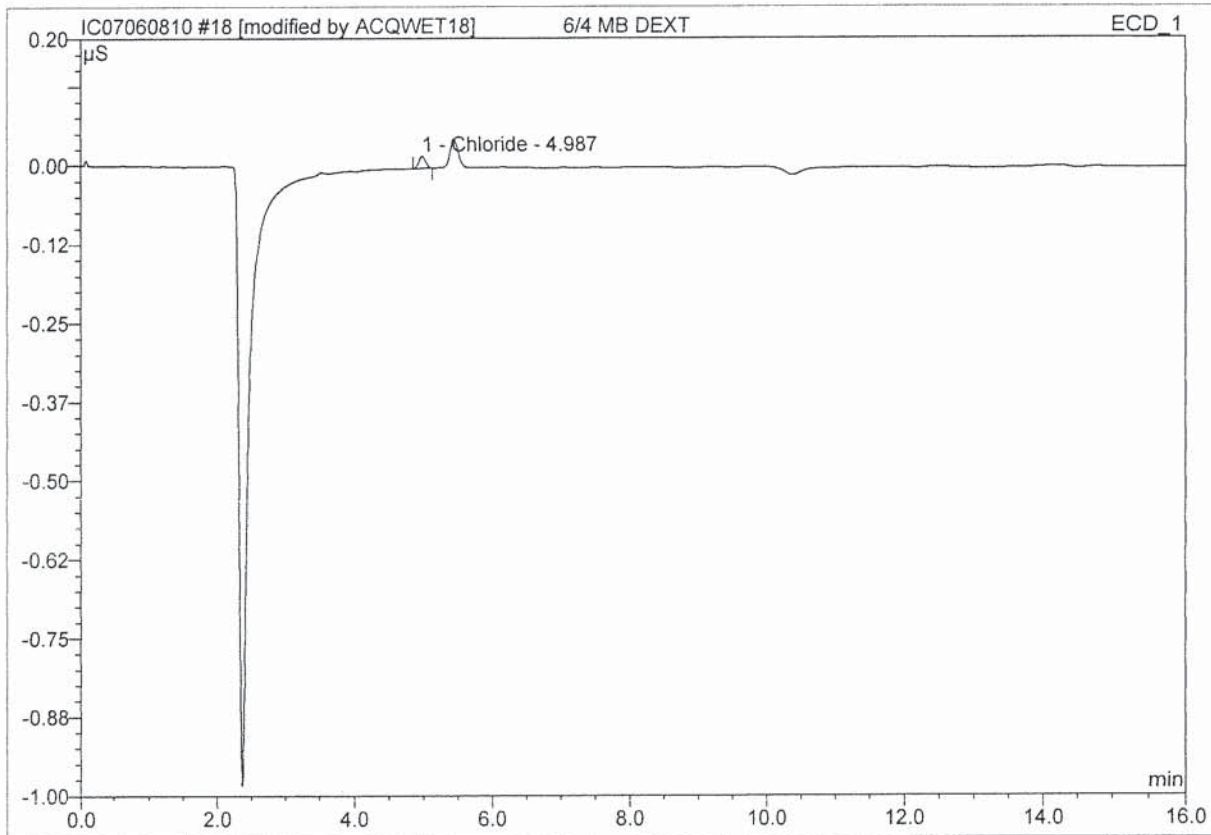


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.39	n.a.	113.558	11.830	0.29	n.a.	BM
2	3.17	Fluoride	17.348	5.113	0.13	38.209	M
3	3.71	n.a.	0.606	0.346	0.01	n.a.	Rd
4	7.54	n.a.	1910.345	4021.159	99.46	n.a.	MB
5	9.21	n.a.	5.448	2.052	0.05	n.a.	BMB
6	14.19	Sulfate	3.244	2.497	0.06	43.865	bMB
Total:			2050.549	4042.996	100.00	82.074	


Before

JUN 08 2010

18 6/4 MB DEXT			
Sample Name:	6/4 MB DEXT	Injection Volume:	25.0
Vial Number:	11	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 11:58	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

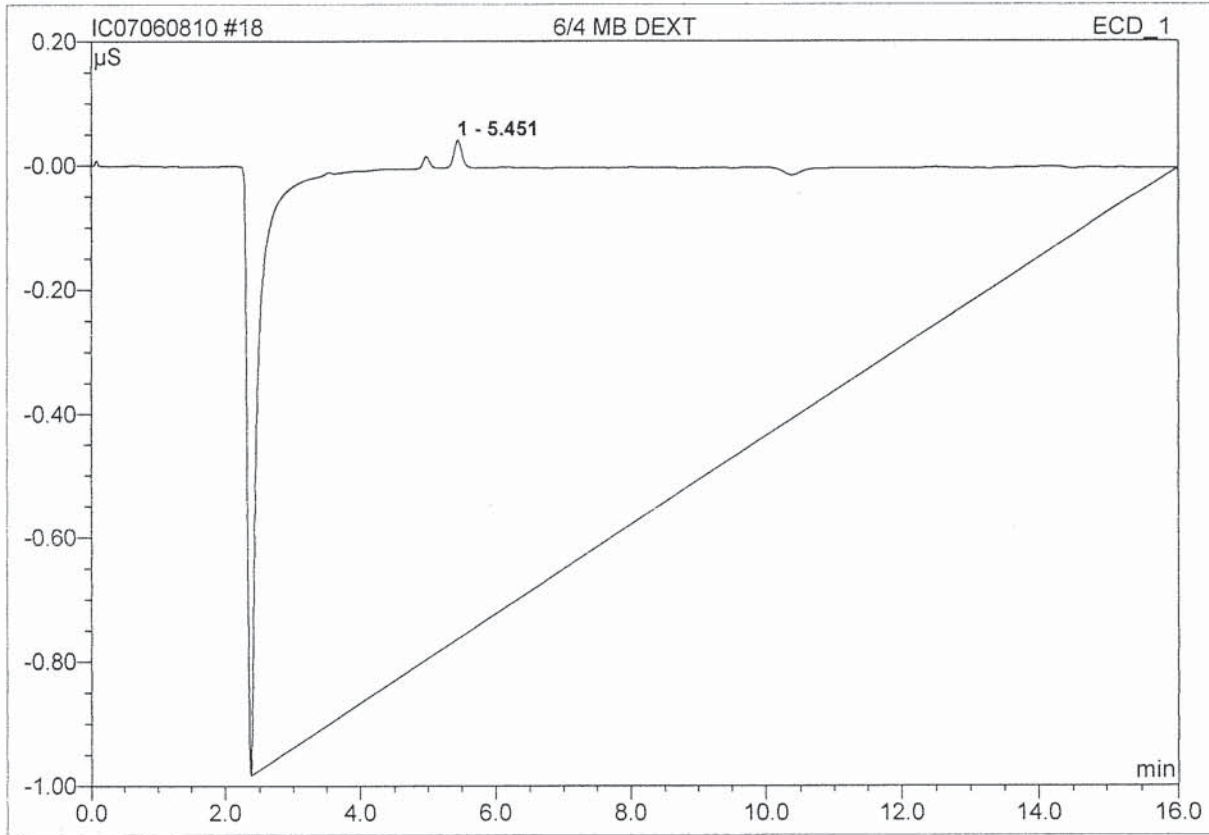


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	4.99	Chloride	0.019	0.002	100.00	0.013	BMB*
Total:			0.019	0.002	100.00	0.013	


 JUN 8 3 29 10

6/8/2010

18 6/4 MB DEXT			
Sample Name:	6/4 MB DEXT	Injection Volume:	25.0
Vial Number:	11	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 11:58	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



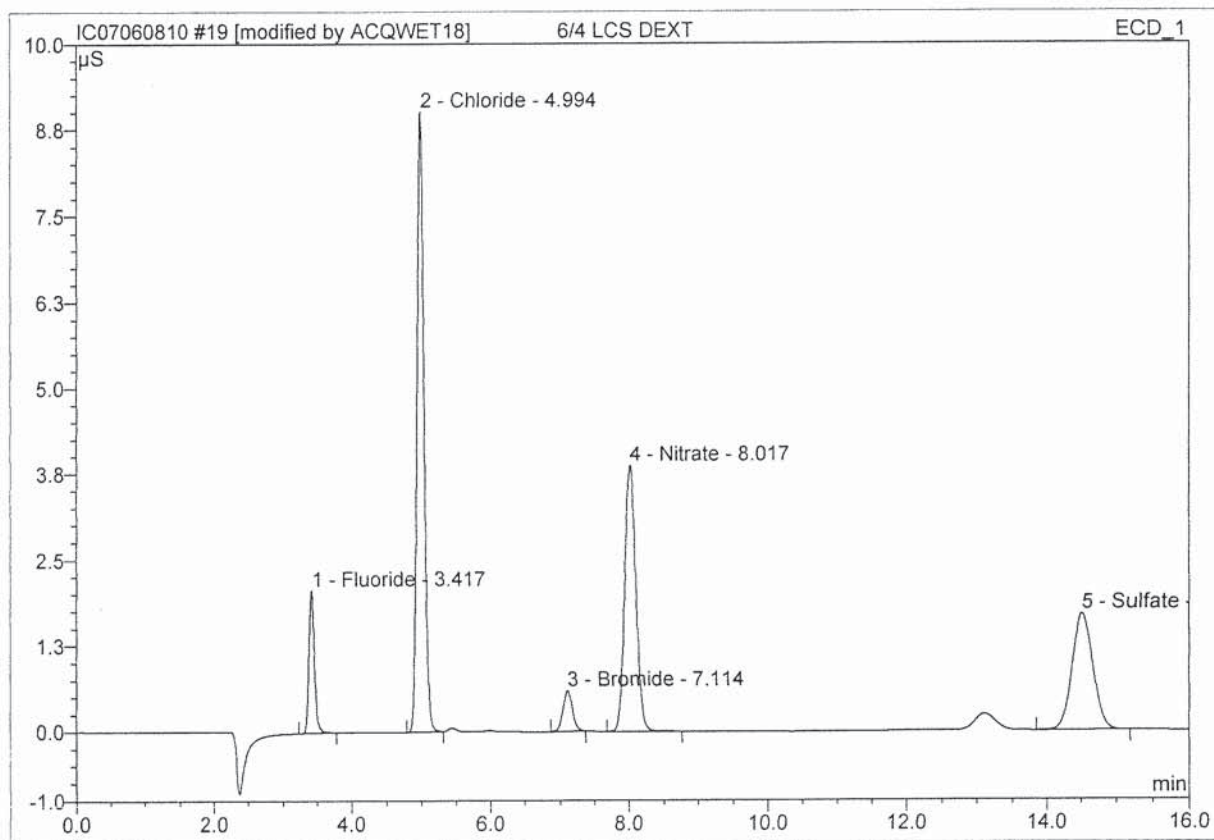
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	5.45	n.a.	0.804	6.548	100.00	n.a.	BMB
Total:			0.804	6.548	100.00	0.000	

Before

JUN 08 2010

19 6/4 LCS DEXT

Sample Name:	6/4 LCS DEXT	Injection Volume:	25.0
Vial Number:	12	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	10.0000
Recording Time:	6/8/2010 12:16	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S} \cdot \text{min}$	Rel.Area %	Amount ppm	Type
1	3.42	Fluoride	2.071	0.194	7.45	7.251	BMB*
2	4.99	Chloride	9.006	1.020	39.16	60.521	BMB*
3	7.11	Bromide	0.589	0.095	3.64	14.053	BMB*
4	8.02	Nitrate	3.862	0.704	27.03	16.916	BMB
5	14.52	Sulfate	1.701	0.592	22.73	51.979	BMB
Total:			17.229	2.604	100.00	150.719	

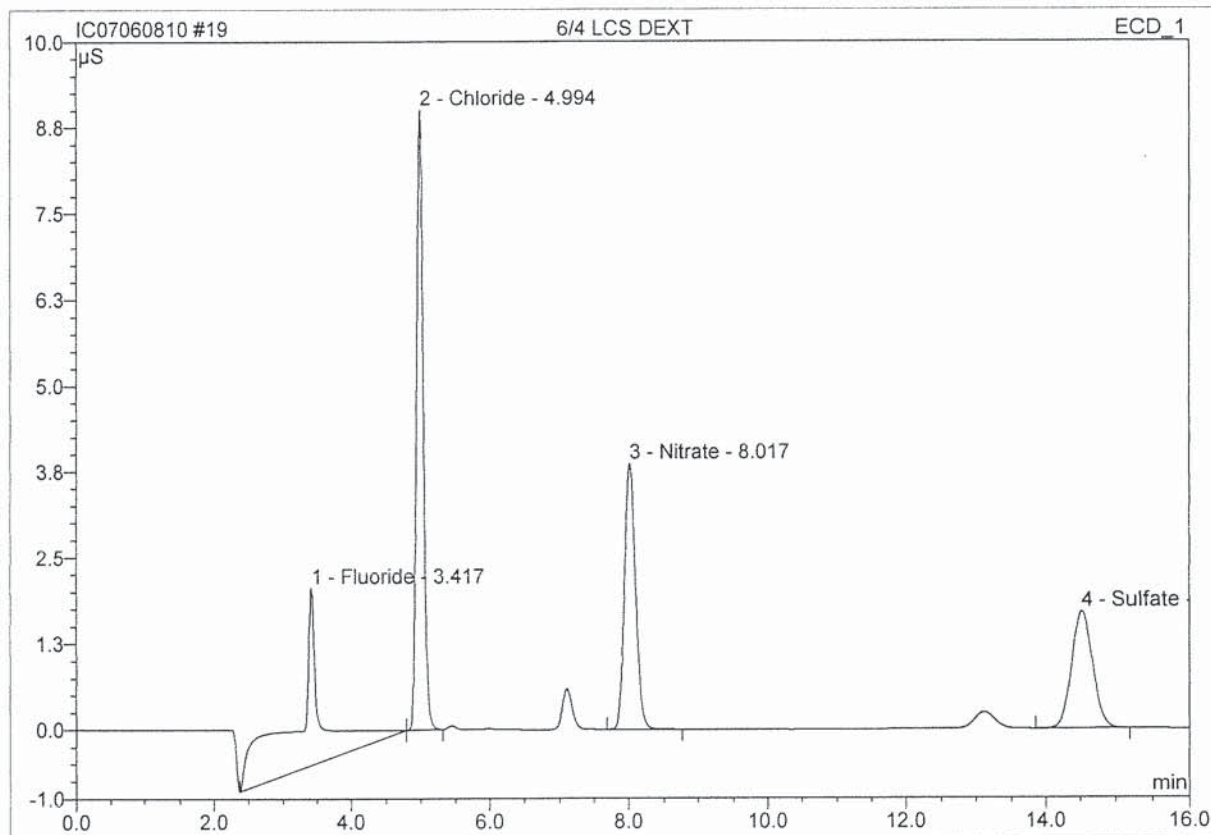
After Initials

MB
JUN 08 2010

6/21/10

19 6/4 LCS DEXT

Sample Name:	6/4 LCS DEXT	Injection Volume:	25.0
Vial Number:	12	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	10.0000
Recording Time:	6/8/2010 12:16	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



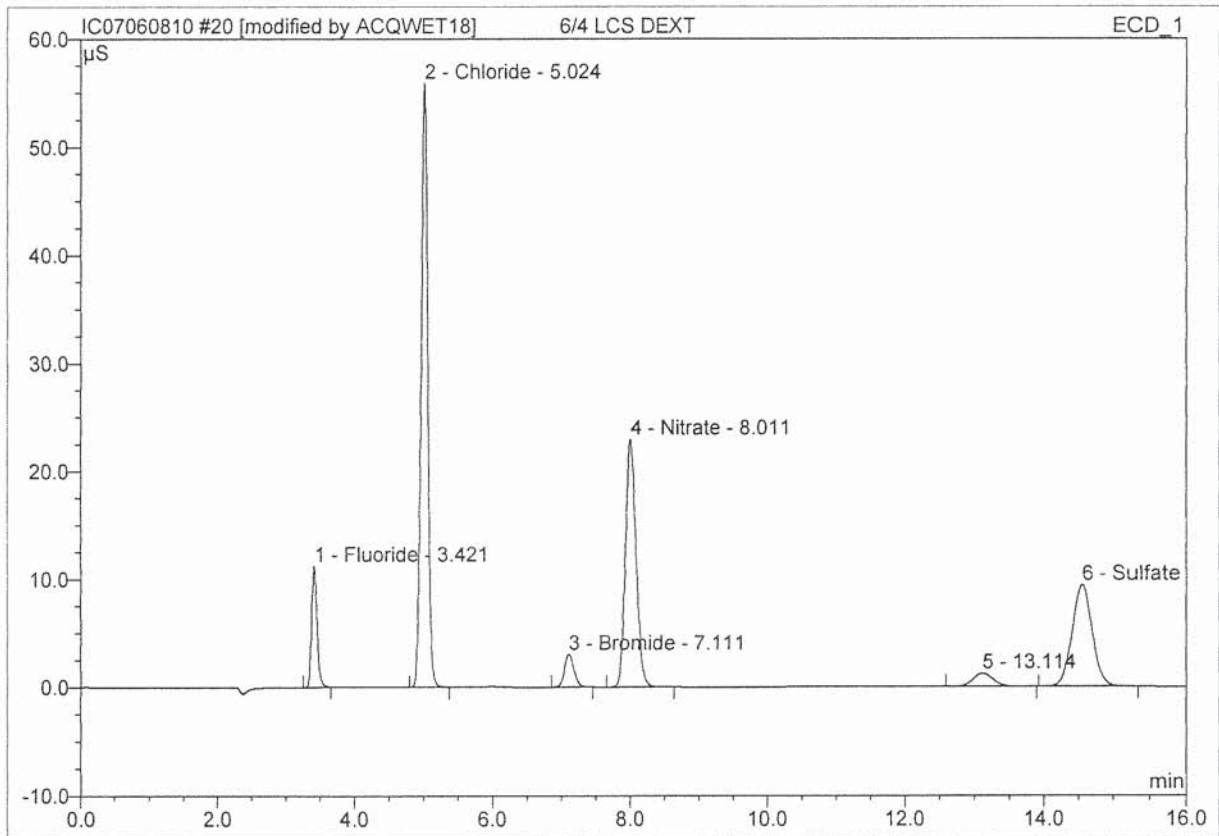
No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount ppm	Type
1	3.42	Fluoride	2.574	1.166	33.49	43.565	BMB
2	4.99	Chloride	9.006	1.020	29.29	60.521	bMB
3	8.02	Nitrate	3.862	0.704	20.22	16.916	BMB
4	14.52	Sulfate	1.701	0.592	17.00	51.979	BMB
Total:			17.142	3.481	100.00	172.981	

Before

JUN 08 2010

20 6/4 LCS DEXT

Sample Name:	6/4 LCS DEXT	Injection Volume:	25.0
Vial Number:	13	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 12:33	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



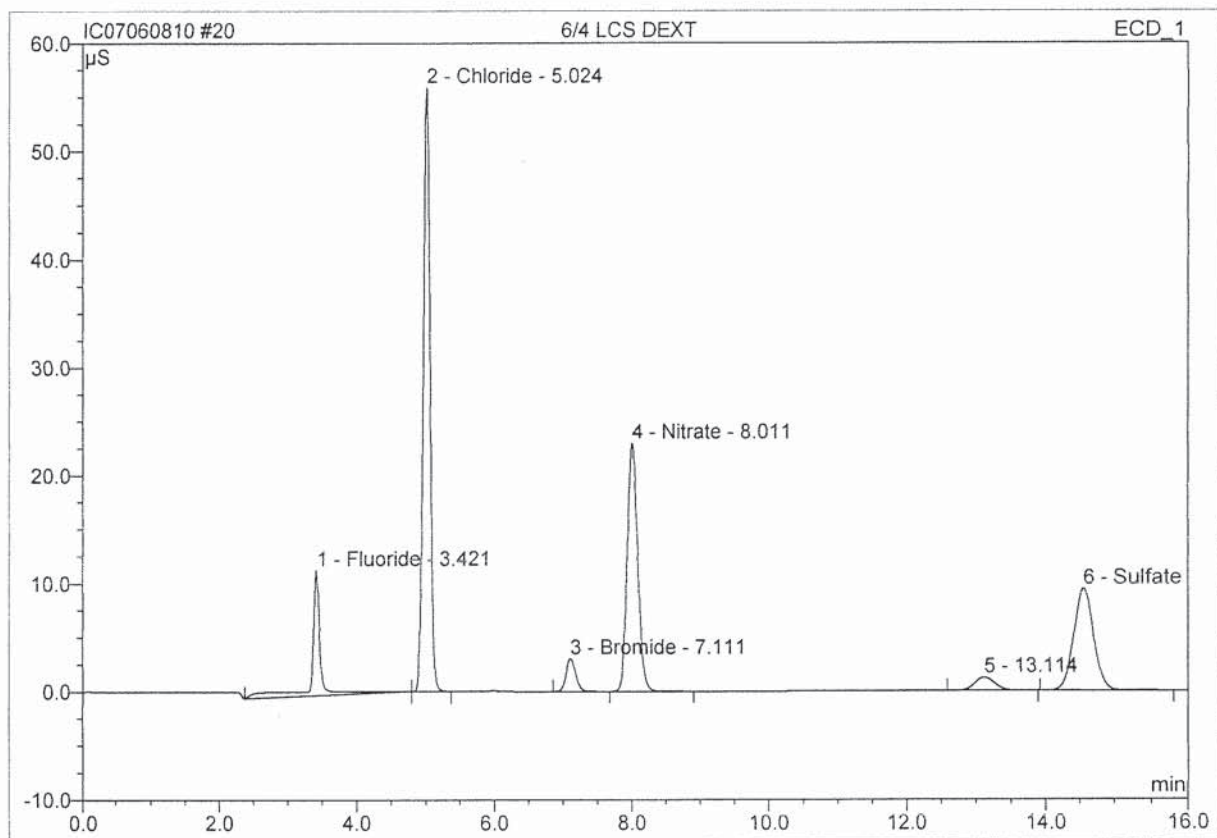
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	3.42	Fluoride	11.205	1.028	6.67	7.682	BMB*
2	5.02	Chloride	55.870	6.235	40.45	74.017	BMB*
3	7.11	Bromide	3.045	0.489	3.17	14.519	BMB*
4	8.01	Nitrate	22.973	4.068	26.39	19.559	BMB*
5	13.11	n.a.	1.229	0.415	2.69	n.a.	BMB
6	14.55	Sulfate	9.434	3.178	20.62	55.845	BMB*
Total:			103.756	15.413	100.00	171.623	

MB

6/21/10

20 6/4 LCS DEXT

Sample Name:	6/4 LCS DEXT	Injection Volume:	25.0
Vial Number:	13	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 12:33	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	3.42	Fluoride	11.560	1.698	10.55	12.689	BMB
2	5.02	Chloride	55.870	6.235	38.74	74.017	bMB
3	7.11	Bromide	3.047	0.491	3.05	14.566	Ru
4	8.01	Nitrate	22.975	4.071	25.30	19.575	BMB
5	13.11	n.a.	1.229	0.415	2.58	n.a.	BMB
6	14.55	Sulfate	9.436	3.183	19.78	55.924	BMB
Total:			104.118	16.092	100.00	176.771	

Before

JUN 08 2010

Sequence # I1070608/10

Ion Chromatography Data Quality Report
Inorganics

Run # 204175

- 1. Holding times met for all samples analyzed? yes/no/NA
- 2. Are dilutions within upper limits of the curve? yes/no/NA
- 3. Are analysis/extraction stickers included on report? yes/no/NA
- 4. Are detection limits reported correctly? yes/no/NA
- 5. Are all quality control criteria met? yes/no/NA *

 - a. Method Blanks, CCV's, CCB's, LCS's, Dups, and Spikes analyzed at the proper frequency? yes/no/NA
 - b. Are CCV's and CCB's all within acceptance limits? yes/no/NA
 - c. Are results for Method Blanks all ND? yes/no/NA
 - d. Are all QC samples within acceptance criteria? (LCS% rec, MS% rec, Duplicate RPD's, etc.) yes/no/NA *
 - e. Are all exceptions explained? yes/no/NA

- 6. Are all samples labelled correctly? yes/no/NA

CAS Standard Identification Codes and Abbreviated Footnotes for Chromatograms

- G1 Sample was analyzed past the end of recommended holding time. See Nonconformity sheet.
- G2 Sample was reanalyzed past holding time. Initial analysis was performed within recommended holding time.
- G4 Sample was received past the end of recommended holding time.
- R1 High RPD is because the duplicate sample results are less than three times the method reporting limit.
- i MRL is elevated because of matrix interferences and the sample required diluting.
- F Sample filtered primary to analysis. * See respective benchsheets for details

LCS			
Fluoride	True Value = 13.5 ppm	CAS ID # = <u>AN1-33-D</u>	Expires: <u>7/19/10</u>
Chloride	True Value = 5.0ppm	CAS ID # = <u>ERA#0107-10-02</u>	Expires: <u>5/10</u>
Nitrite	True Value = 100 ppm	CAS ID # = <u>AN1-28-I</u>	Expires: <u>6/8/10</u>
Bromide	True Value = 4.0 ppm	CAS ID # = <u>AN1-33-L</u>	Expires: <u>7/25/10</u>
Nitrate	True Value = 21.0 ppm	CAS ID # = <u>AN1-33-E</u>	Expires: <u>7/21/10</u>
Sulfate	True Value = 5.0 ppm	CAS ID # = <u>ERA#0107-10-02</u>	Expires: <u>5/10</u>

CCV	CAS ID # = <u>AN1-20-V</u>	Expires <u>6/8/10</u>	
Fluoride	True Value = 5.0 ppm	10K CAS ID # = <u>AN1-33-M</u>	Expires: <u>10/28/10</u>
Chloride	True Value = 5.0 ppm	10K CAS ID # = <u>AN1-33-F</u>	Expires: <u>5/5/10</u>
Nitrite	True Value = 2.0 ppm	10K CAS ID # = <u>AN1-33-N</u>	Expires: <u>10/25/10</u>
Bromide	True Value = 2.0 ppm	10K CAS ID # = <u>AN1-20-DD</u>	Expires: <u>6/21/10</u>
Nitrate	True Value = 2.0 ppm	10K CAS ID # = <u>AN1-33-I</u>	Expires: <u>9/7/10</u>
Sulfate	True Value = 5.0 ppm	10K CAS ID # = <u>AN1-33-G</u>	Expires: <u>8/5/10</u>

Spike			
1.5ppm X dilution factor	CAS ID# = <u>N/A</u>	Expires <u>N/A</u>	
Fluoride	10K CAS ID # = <u>AN1-33-M</u>	Expires: _____	} <u>N/A</u>
Chloride	10K CAS ID # = <u>AN1-33-F</u>	Expires: _____	
Nitrite	10K CAS ID # = <u>AN1-33-N</u>	Expires: _____	
Bromide	10K CAS ID # = <u>AN1-20-DD</u>	Expires: _____	
Nitrate	10K CAS ID # = <u>AN1-33-I</u>	Expires: _____	
Sulfate	10K CAS ID # = <u>AN1-33-G</u>	Expires: _____	

Analyst: 6/8/10 MB Date: 6/8/10

First Review: 6/8/10 MB Date: 6/8/10

Final Review: 6/21/10 JL Date: 6/21/10

Service Request	Tier	QC	Hold Time	Due Date	Anion	Initial	Final	QC DILUTION	Done?
6/4 MB EXT					F				
					CL				
					NO2				
					Br				
					NO3				
					SO4				
-LWS EXT					F				
					CL				
					NO2				
					Br				
					NO3				
					SO4				
5244-1 EXT					F	2.5/5			✓
					CL		0.5/5		✓
					NO2				✓
					Br				✓
					NO3				✓
					SO4				✓
-2 EXT					F	2.5/5			✓
					CL		10,000 X °		✓
					NO2		50 X °		✓
					Br				✓
					NO3		50 X °		✓
					SO4				✓
-3 EXT					F	2.5/5	50X-25/50°		✓
					CL		10,000 X °		✓
					NO2		50 X °		✓
					Br				✓
					NO3		50 X °		✓
					SO4				✓
-3.2 EXT					F	2.5/5	50X °		✓
					CL		10,000 X °		✓
					NO2		50 X °		✓
					Br				✓
					NO3		50 X °		✓
					SO4				✓
-3MS EXT					F	0.1/5			✓
					CL	10,000 X °			✓
					NO2	0.1/5			✓
					Br				✓
					NO3				✓
					SO4				✓
-3PMS EXT					F	50X			✓
					CL	10,000 X °			✓
					NO2	50 X			✓
					Br				✓
					NO3	50 X			✓
					SO4	50 X			✓
-4 EXT					F	25/5			✓
					CL	10,000 °			✓
					NO2	50X °			✓
					Br				✓
					NO3	50X °			✓
					SO4				✓
125448-1 EXT					F				
					CL				
					NO2				
					Br				
					NO3				
					SO4	0.25/5			✓

Service Request	Tier	QC	Hold Time	Due Date	Anion	Initial	Final	QC DILUTION	Done?
K5448-2 EXT					F				
					CL				
					NO2				
					Br				
					NO3				
					SO4	0.25/5	2.5/5		✓
					F				
					CL				
					NO2				
					Br				
					NO3				
					SO4				
					F				
					CL				
					NO2				
					Br				
					NO3				
					SO4				
					F				
					CL				
					NO2				
					Br				
					NO3				
					SO4				
					F				
					CL				
					NO2				
					Br				
					NO3				
					SO4				
					F				
					CL				
					NO2				
					Br				
					NO3				
					SO4				

Sequence: IC07060810
Operator: ACQWET18

Page 1 of 4
Printed: 6/16/2010 5:22:53 PM

Title:

Datasource: ACQWET18_local
Location: K-IC-07AUDIT
Timebase: K-IC-07
#Samples: 49

Created: 6/8/2010 8:55:35 AM by ACQWET18
Last Update: 6/8/2010 5:24:32 PM by ACQWET18

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
1	STD2/LVL2	Standard	1	25.0	300	300	Finished	4/2/2010 2:16:52 PM
2	STD3/LVL3	Standard	2	25.0	300	300	Finished	4/2/2010 2:36:02 PM
3	STD4/LVL4	Standard	3	25.0	300	300	Finished	4/2/2010 2:55:28 PM
4	STD5/LVL5	Standard	4	25.0	300	300	Finished	4/2/2010 3:13:25 PM
5	STD6/LVL6	Standard	5	25.0	300	300	Finished	4/2/2010 3:31:21 PM
6	STD7/LVL7	Standard	6	25.0	300	300	Finished	4/2/2010 3:49:18 PM
7	STD1/LVL1	Standard	7	25.0	300	300	Finished	4/2/2010 4:07:15 PM
8	CCV AN11-20-V	Unknown	1	25.0	300	300	Finished	6/8/2010 9:04:32 AM
9	CCB	Unknown	2	25.0	300	300	Finished	6/8/2010 9:21:40 AM
10	NO2 AN11-28-I	Unknown	3	25.0	300	300	Finished	6/8/2010 9:39:07 AM
11	MB	Unknown	4	25.0	300	300	Finished	6/8/2010 9:56:33 AM
12	NO3 AN1-33-E	Unknown	5	25.0	300	300	Finished	6/8/2010 10:13:59 AM
13	CLSO4 ERA#0107-10-02	Unknown	6	25.0	300	300	Finished	6/8/2010 10:31:26 AM
14	F AN1-33-D	Unknown	7	25.0	300	300	Finished	6/8/2010 10:48:53 AM
15	Br AN1-33-L	Unknown	8	25.0	300	300	Finished	6/8/2010 11:06:19 AM
16	CCV	Unknown	9	25.0	300	300	Finished	6/8/2010 11:23:45 AM
17	CCB	Unknown	10	25.0	300	300	Finished	6/8/2010 11:41:11 AM
18	6/4 MB DEXT	Unknown	11	25.0	300	300	Finished	6/8/2010 11:58:38 AM
19	6/4 LCS DEXT	Unknown	12	25.0	300	300	Finished	6/8/2010 12:16:05 PM
20	6/4 LCS DEXT	Unknown	13	25.0	300	300	Finished	6/8/2010 12:33:30 PM
21	K5144-1 DEXT	Unknown	14	25.0	300	300	Finished	6/8/2010 12:50:57 PM
22	K5244-2 DEXT	Unknown	15	25.0	300	300	Finished	6/8/2010 1:08:23 PM
23	K5244-3 DEXT	Unknown	16	25.0	300	300	Finished	6/8/2010 1:25:49 PM
24	K5244-3D DEXT	Unknown	17	25.0	300	300	Finished	6/8/2010 1:43:16 PM
25	K5244-3MS DEXT	Unknown	18	25.0	300	300	Finished	6/8/2010 2:00:42 PM
26	K5244-3MSD DEXT	Unknown	19	25.0	300	300	Finished	6/8/2010 2:18:09 PM
27	RB	Unknown	20	25.0	300	300	Finished	6/8/2010 2:35:36 PM
28	CCV3	Unknown	21	25.0	300	300	Finished	6/8/2010 2:53:03 PM
29	CCB3	Unknown	22	25.0	300	300	Finished	6/8/2010 3:10:30 PM
30	K5244-4 DEXT	Unknown	23	25.0	300	300	Finished	6/8/2010 3:27:56 PM
31	K5448-1 DEXT	Unknown	24	25.0	300	300	Finished	6/8/2010 3:45:23 PM
32	K5448-2 DEXT	Unknown	25	25.0	300	300	Finished	6/8/2010 4:02:50 PM
33	K5244-1 DEXT	Unknown	26	25.0	300	300	Finished	6/8/2010 4:20:16 PM
34	K5244-2 DEXT	Unknown	27	25.0	300	300	Finished	6/8/2010 4:37:43 PM
35	K5244-2 DEXT	Unknown	28	25.0	300	300	Finished	6/8/2010 4:55:09 PM
36	K5244-3 DEXT	Unknown	29	25.0	300	300	Finished	6/8/2010 5:12:36 PM
37	K5244-3 DEXT	Unknown	30	25.0	300	300	Finished	6/8/2010 5:30:02 PM
38	K5244-3D DEXT	Unknown	31	25.0	300	300	Finished	6/8/2010 5:47:29 PM
39	RB	Unknown	32	25.0	300	300	Finished	6/8/2010 6:04:55 PM
40	CCV4	Unknown	33	25.0	300	300	Finished	6/8/2010 6:22:22 PM
41	CCB4	Unknown	34	25.0	300	300	Finished	6/8/2010 6:39:49 PM
42	K5244-3MS	Unknown	35	25.0	300	300	Finished	6/8/2010 6:57:15 PM

Sequence: IC07060810
Operator: ACQWET18

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Printed: 6/16/2010 5:22:53 PM

Title:

Datasource: ACQWET18_local
Location: K-IC-07/AUDIT
Timebase: K-IC-07
#Samples: 49

Created: 6/8/2010 8:55:35 AM by ACQWET18
Last Update: 6/8/2010 5:24:32 PM by ACQWET18








No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	STD2/LVL2	1.0000	1.0000	1.0000		01	
2	STD3/LVL3	1.0000	1.0000	1.0000		01	
3	STD4/LVL4	1.0000	1.0000	1.0000		01	
4	STD5/LVL5	1.0000	1.0000	1.0000		01	
5	STD6/LVL6	1.0000	1.0000	1.0000		01	
6	STD7/LVL7	1.0000	1.0000	1.0000		01	
7	STD1/LVL1	1.0000	1.0000	1.0000		01	
8	CCV AN11-20-V	1.0000	1.0000	1.0000		01	
9	CCB	1.0000	1.0000	1.0000		01	
10	NO2 AN11-28-I	1.0000	25.0000	1.0000		01	
11	MB	1.0000	1.0000	1.0000		01	
12	NO3 AN1-33-E	1.0000	10.0000	1.0000		01	
13	CLSO4 ERA#0107-10-02	1.0000	1.0000	1.0000		01	
14	F AN1-33-D	1.0000	2.0000	1.0000		01	
15	Br AN1-33-L	1.0000	1.0000	1.0000		01	
16	CCV	1.0000	1.0000	1.0000		01	
17	CCB	1.0000	1.0000	1.0000		01	
18	6/4 MB DEXT	1.0000	1.0000	1.0000		01	
19	6/4 LCS DEXT	1.0000	10.0000	1.0000		01	
20	6/4 LCS DEXT	1.0000	2.0000	1.0000		01	
21	K5144-1 DEXT	1.0000	2.0000	1.0000		01	
22	K5244-2 DEXT	1.0000	2.0000	1.0000		01	
23	K5244-3 DEXT	1.0000	2.0000	1.0000		01	
24	K5244-3D DEXT	1.0000	2.0000	1.0000		01	
25	K5244-3MS DEXT	1.0000	50.0000	1.0000		01	
26	K5244-3MSD DEXT	1.0000	50.0000	1.0000		01	
27	RB	1.0000	1.0000	1.0000		01	
28	CCV3	1.0000	1.0000	1.0000		01	
29	CCB3	1.0000	1.0000	1.0000		01	
30	K5244-4 DEXT	1.0000	2.0000	1.0000		01	
31	K5448-1 DEXT	1.0000	20.0000	1.0000		01	
32	K5448-2 DEXT	1.0000	20.0000	1.0000		01	
33	K5244-1 DEXT	1.0000	10.0000	1.0000		01	
34	K5244-2 DEXT	1.0000	10000.0000	1.0000		01	
35	K5244-2 DEXT	1.0000	50.0000	1.0000		01	
36	K5244-3 DEXT	1.0000	10000.0000	1.0000		01	
37	K5244-3 DEXT	1.0000	50.0000	1.0000		01	
38	K5244-3D DEXT	1.0000	10000.0000	1.0000		01	
39	RB	1.0000	1.0000	1.0000		01	
40	CCV4	1.0000	1.0000	1.0000		01	
41	CCB4	1.0000	1.0000	1.0000		01	
42	K5244-3MS	1.0000	10000.0000	1.0000		01	

Sequence: IC07060810
Operator: ACQWET18

Page 3 of 4
Printed: 6/16/2010 5:22:53 PM

Title:
Datasource: ACQWET18_local
Location: K-IC-07AUDIT
Timebase: K-IC-07
#Samples: 49

Created: 6/8/2010 8:55:35 AM by ACQWET18
Last Update: 6/8/2010 5:24:32 PM by ACQWET18

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
43	 K5244-3MSD	Unknown	36	25.0	300	300	Finished	6/8/2010 7:14:42 PM
44	 K5244-4	Unknown	37	25.0	300	300	Finished	6/8/2010 7:32:08 PM
45	 K5244-4	Unknown	38	25.0	300	300	Finished	6/8/2010 7:49:35 PM
46	 K5448-2 DEXT	Unknown	39	25.0	300	300	Finished	6/8/2010 8:07:01 PM
47	 RB	Unknown	40	25.0	300	300	Finished	6/8/2010 8:24:28 PM
48	 CCV5	Unknown	41	25.0	300	300	Finished	6/8/2010 8:41:55 PM
49	 CCB5	Unknown	42	25.0	300	300	Finished	6/8/2010 8:59:21 PM








Sequence: IC07060810
Operator: ACQWET18

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Printed: 6/16/2010 5:22:53 PM

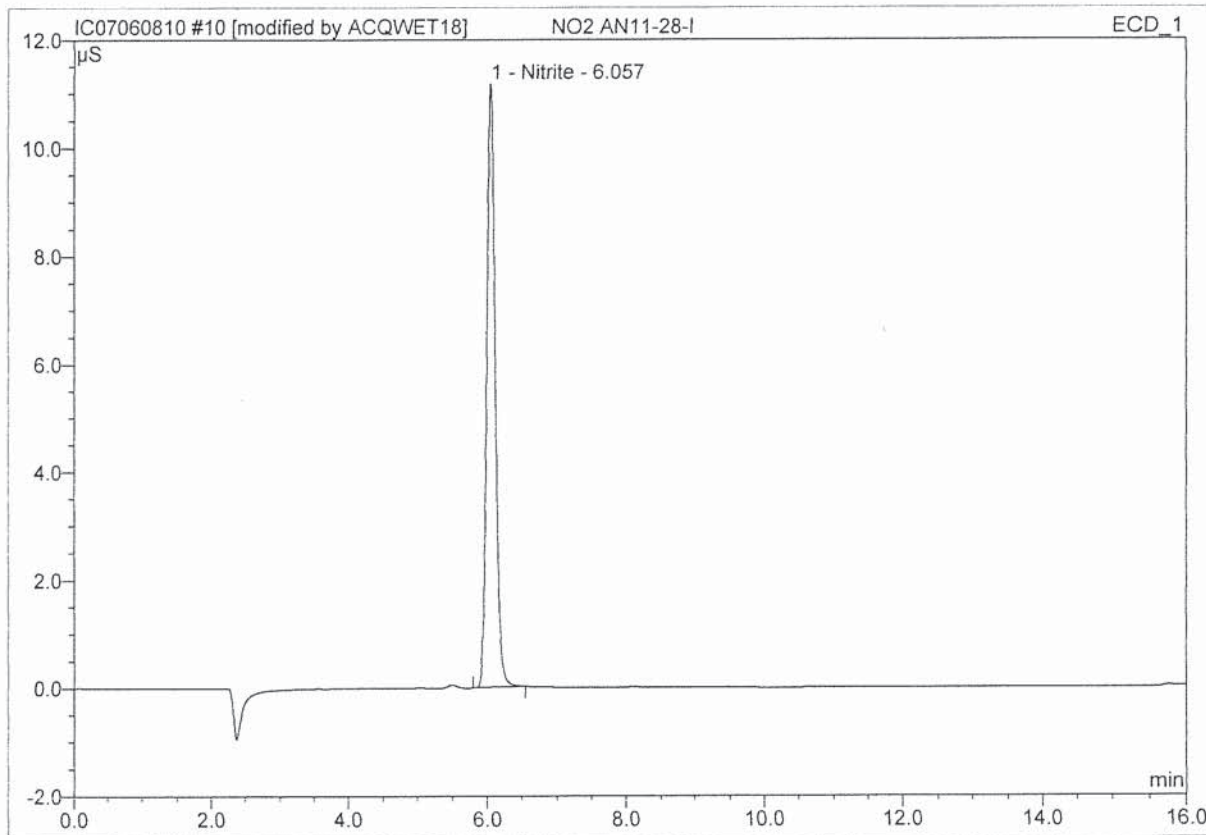
Title:

Datasource: ACQWET18_local
Location: K-IC-07\AUDIT
Timebase: K-IC-07
#Samples: 49

Created: 6/8/2010 8:55:35 AM by ACQWET18
Last Update: 6/8/2010 5:24:32 PM by ACQWET18

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
43	 K5244-3MSD	1.0000	10000.0000	1.0000		01	
44	 K5244-4	1.0000	10000.0000	1.0000		01	
45	 K5244-4	1.0000	50.0000	1.0000		01	
46	 K5448-2 DEXT	1.0000	2.0000	1.0000		01	
47	 RB	1.0000	1.0000	1.0000		01	
48	 CCV5	1.0000	1.0000	1.0000		01	
49	 CCB5	1.0000	1.0000	1.0000		01	

10 NO2 AN11-28-I			
Sample Name:	NO2 AN11-28-I	Injection Volume:	25.0
Vial Number:	3	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	25.0000
Recording Time:	6/8/2010 9:39	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

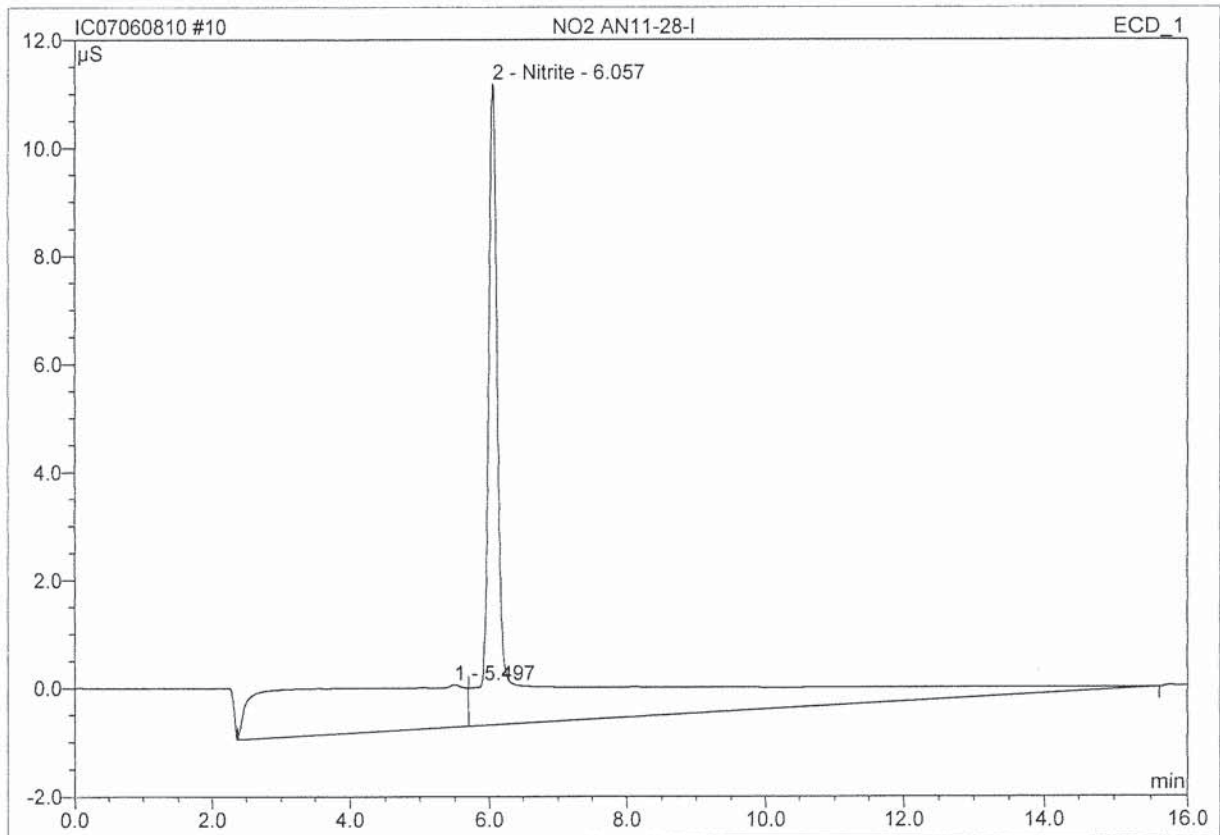


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	6.06	Nitrite	11.175	1.561	100.00	104.029	104% BMB*
Total:			11.175	1.561	100.00	104.029	

MB

6/21/10

10 NO2 AN11-28-I			
Sample Name:	NO2 AN11-28-I	Injection Volume:	25.0
Vial Number:	3	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	25.0000
Recording Time:	6/8/2010 9:39	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

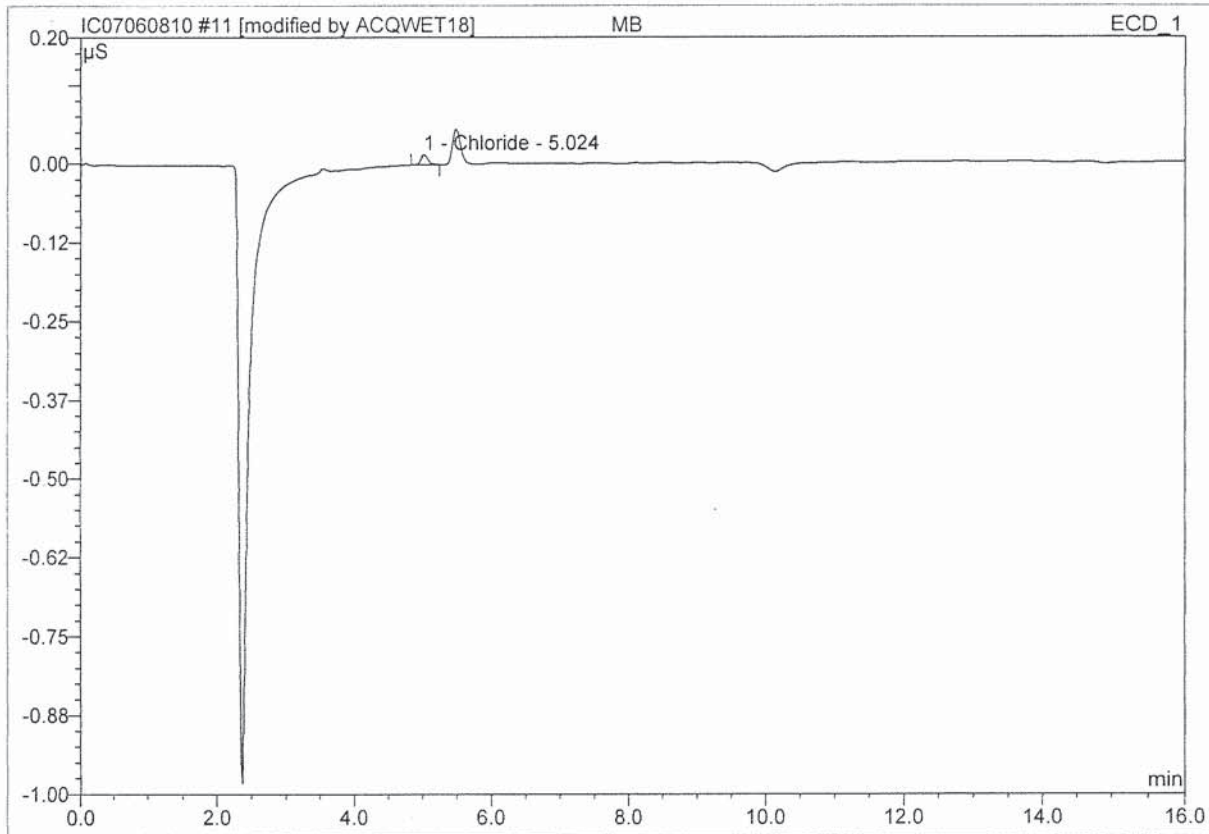


No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount ppm	Type
1	5.50	n.a.	0.782	2.617	33.94	n.a.	BM
2	6.06	Nitrite	11.867	5.094	66.06	339.550	MB
Total:			12.649	7.712	100.00	339.550	


Before

JUN 08 2010

11 MB			
Sample Name:	MB	Injection Volume:	25.0
Vial Number:	4	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 9:56	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

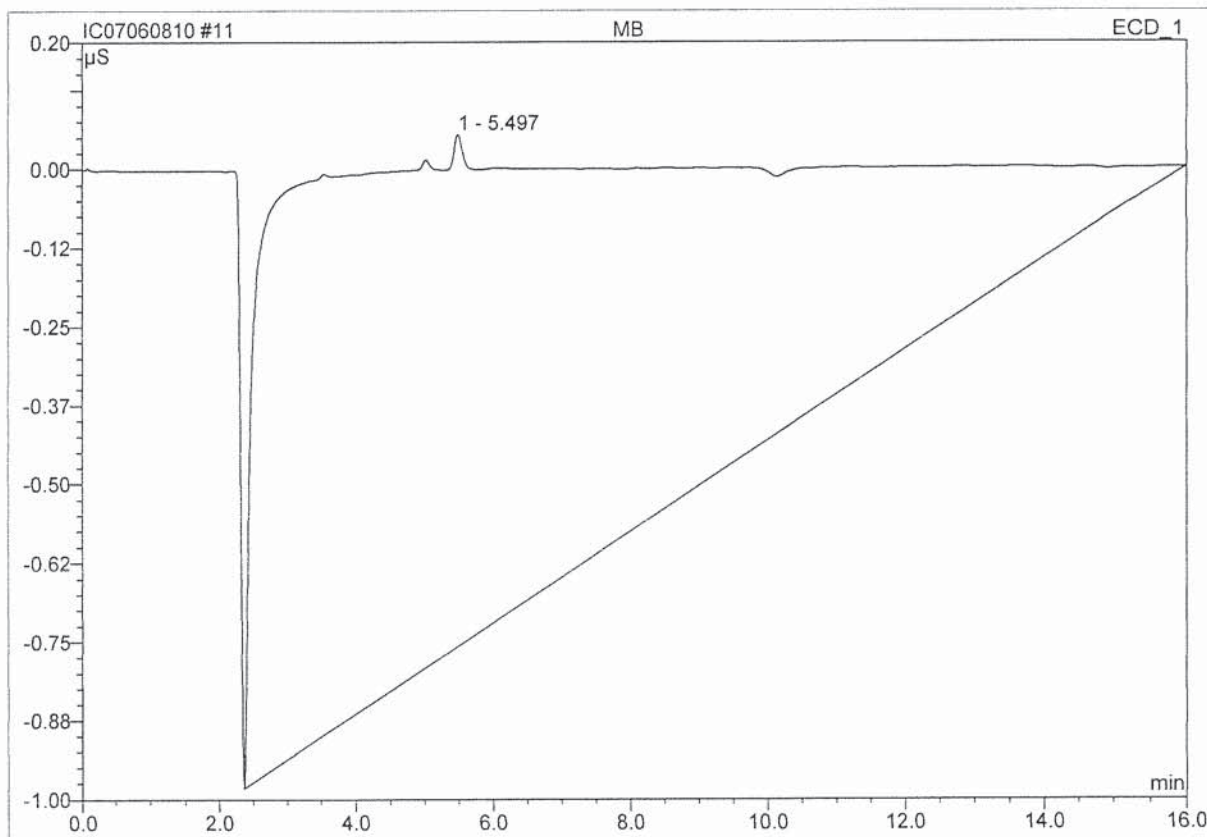


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	5.02	Chloride 5.024	0.016	0.002	100.00	0.012	BMB*
Total:			0.016	0.002	100.00	0.012	

After

 JUN 08 2010

Handwritten signature and date
 6/21/10

11 MB			
Sample Name:	MB	Injection Volume:	25.0
Vial Number:	4	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 9:56	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

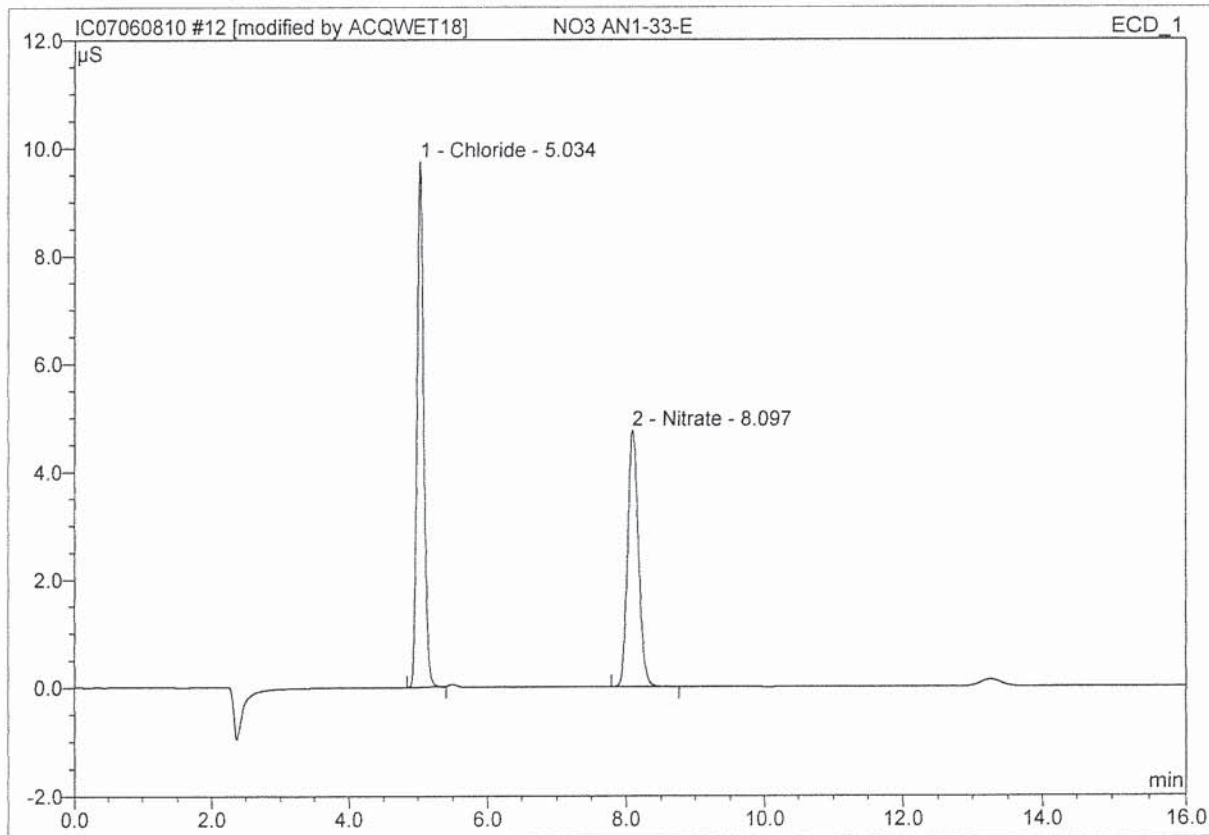


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	5.50	n.a.	0.811	6.554	100.00	n.a.	BMB
Total:			0.811	6.554	100.00	0.000	


Before

JUN 08 2010

12 NO3 AN1-33-E			
Sample Name:	NO3 AN1-33-E	Injection Volume:	25.0
Vial Number:	5	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	10.0000
Recording Time:	6/8/2010 10:13	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

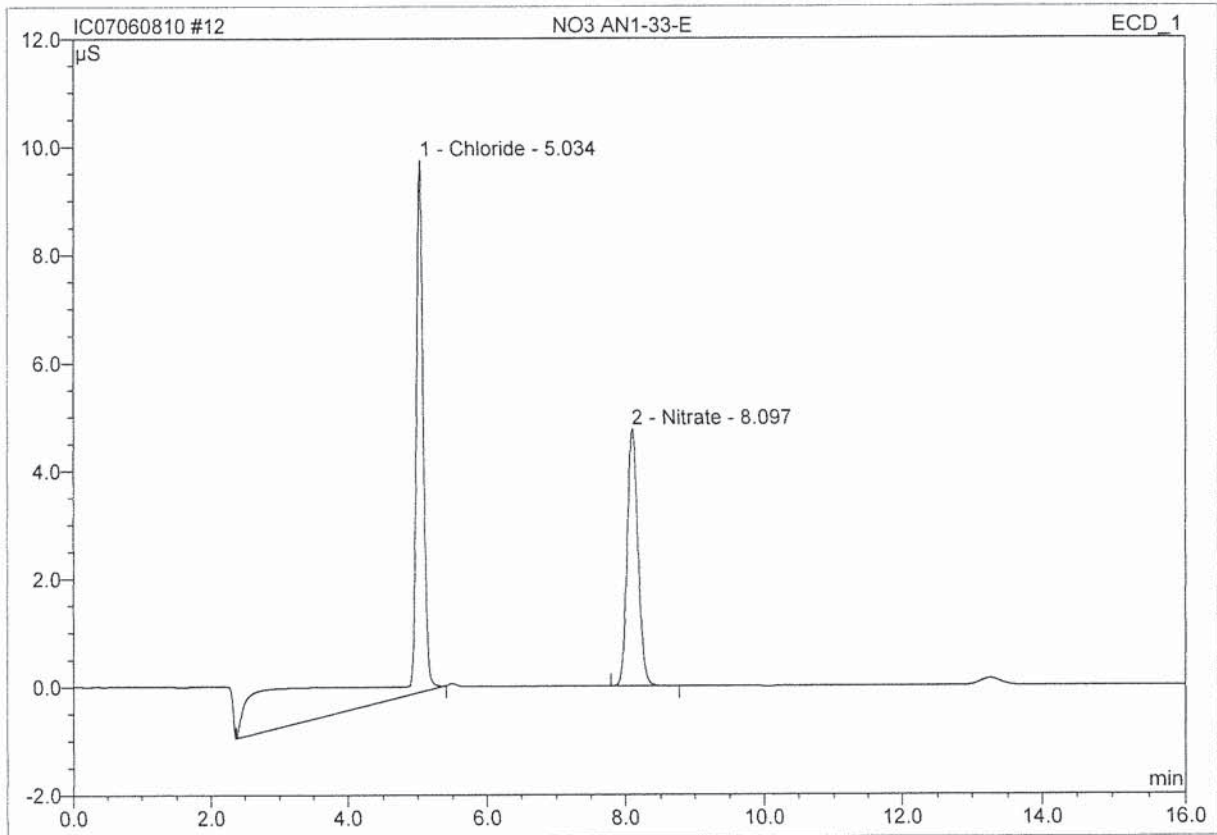


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	5.03	Chloride	9.735	1.106	55.88	65.666	BMB*
2	8.10	Nitrate	4.757	0.873	44.12	20.995	BMB
Total:			14.493	1.980	100.00	86.661	


 JUN 08 2010
 10:33 AM

6/8/2010

12 NO3 AN1-33-E			
Sample Name:	NO3 AN1-33-E	Injection Volume:	25.0
Vial Number:	5	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	10.0000
Recording Time:	6/8/2010 10:13	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



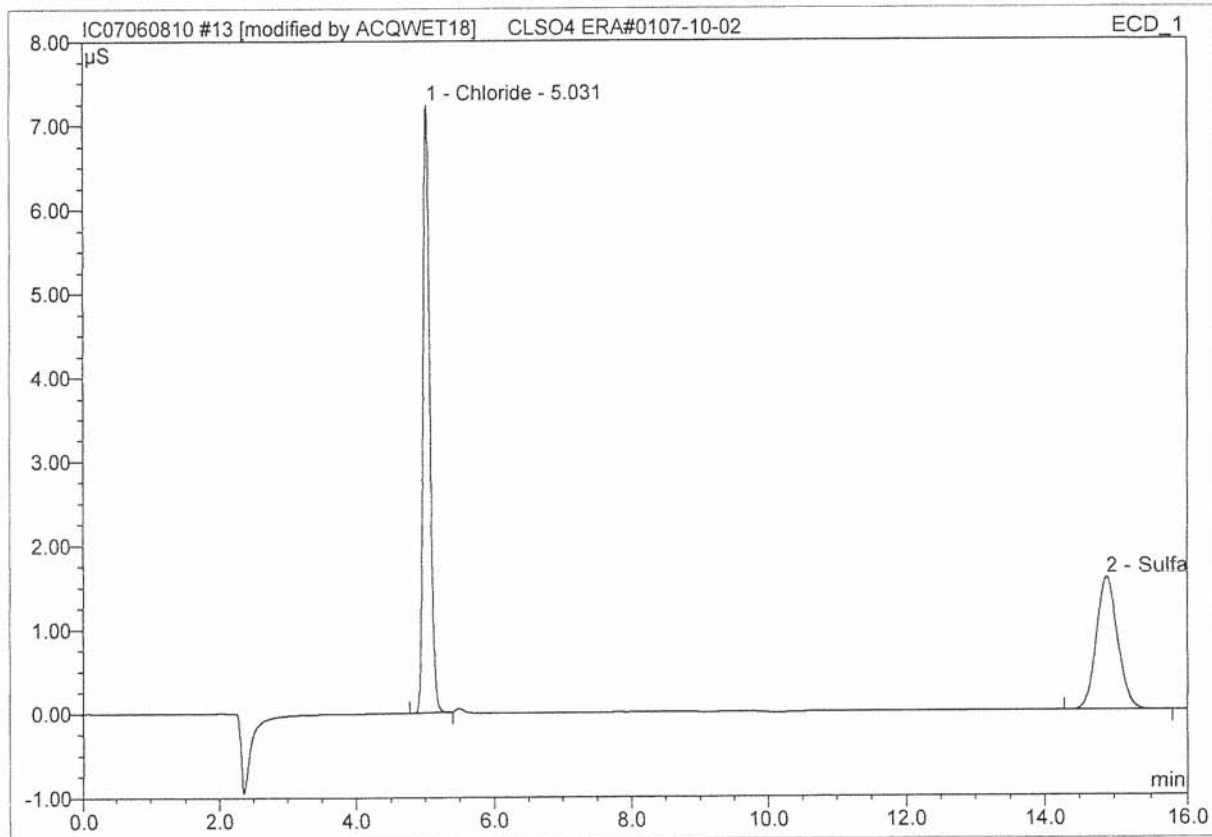
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	5.03	Chloride	9.843	2.405	73.36	142.743	BMB
2	8.10	Nitrate	4.757	0.873	26.64	20.995	BMB
Total:			14.601	3.278	100.00	163.738	

Before

JUN 08 2010

13 CLSO4 ERA#0107-10-02

Sample Name:	CLSO4 ERA#0107-10-02	Injection Volume:	25.0
Vial Number:	6	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 10:31	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



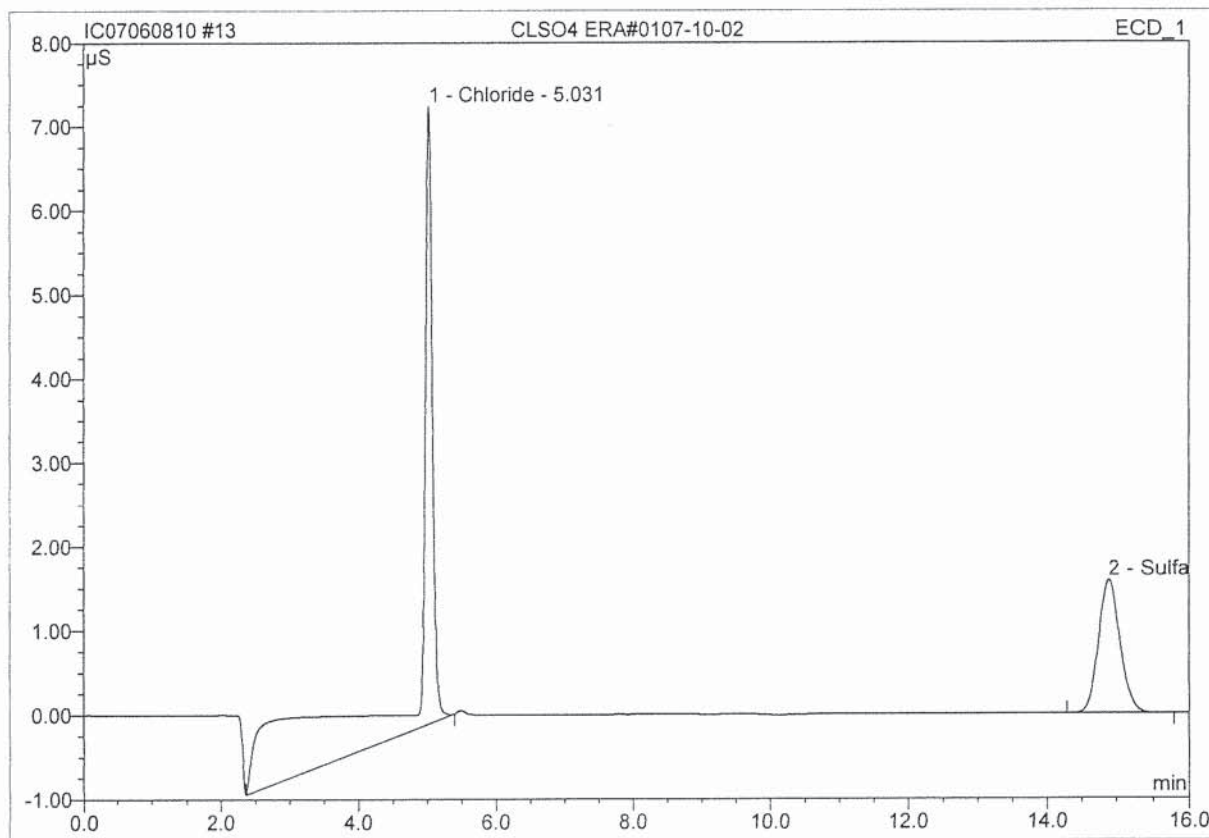
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	5.03	Chloride	7.244	0.829	59.35	4.919	BMB*
2	14.90	Sulfate	1.585	0.567	40.65	4.985	BMB
Total:			8.828	1.396	100.00	9.904	

MB

JUN 08 2010

6/21/10

13 CLSO4 ERA#0107-10-02			
Sample Name:	CLSO4 ERA#0107-10-02	Injection Volume:	25.0
Vial Number:	6	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 10:31	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



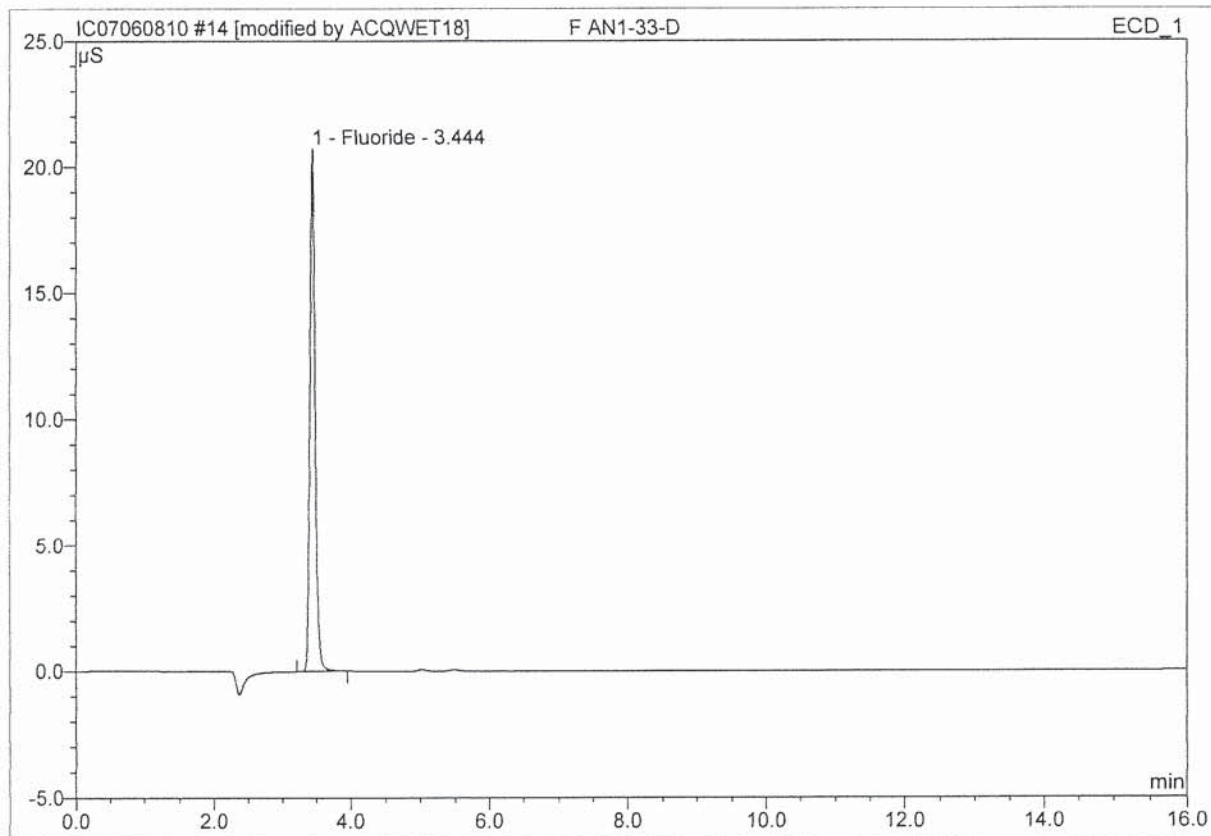
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	5.03	Chloride	7.352	2.115	78.84	12.552	BMB
2	14.90	Sulfate	1.585	0.567	21.16	4.985	BMB
Total:			8.937	2.682	100.00	17.537	

Before

JUN 08 2010

14 F AN1-33-D

Sample Name:	F AN1-33-D	Injection Volume:	25.0
Vial Number:	7	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 10:48	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



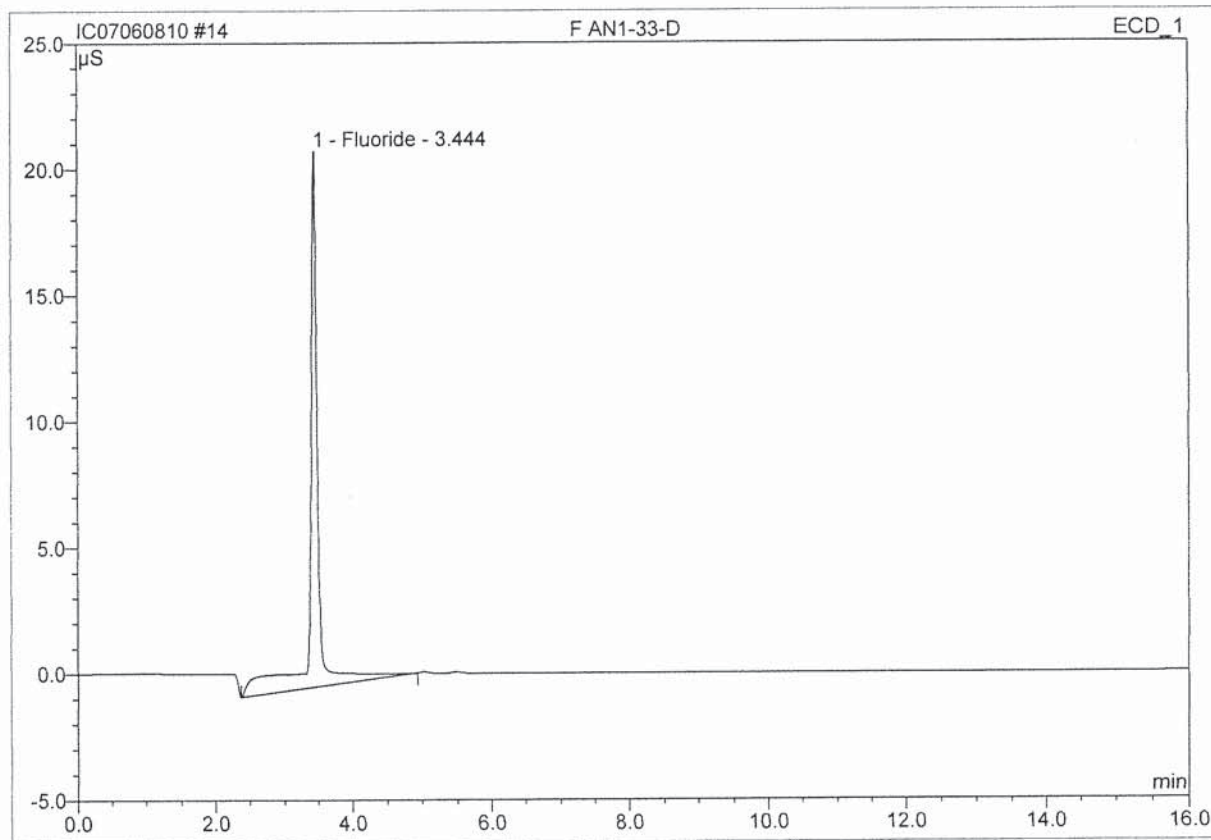
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	3.44	Fluoride	20.730	1.884	100.00	14.083	BMB*
Total:			20.730	1.884	100.00	14.083	

After
 Initials: LG
 Date: 6/8/2010
 Time: 10:48
 Operator: ACQWET18

Handwritten signature
6/8/2010

14 F AN1-33-D

Sample Name:	F AN1-33-D	Injection Volume:	25.0
Vial Number:	7	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	2.0000
Recording Time:	6/8/2010 10:48	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

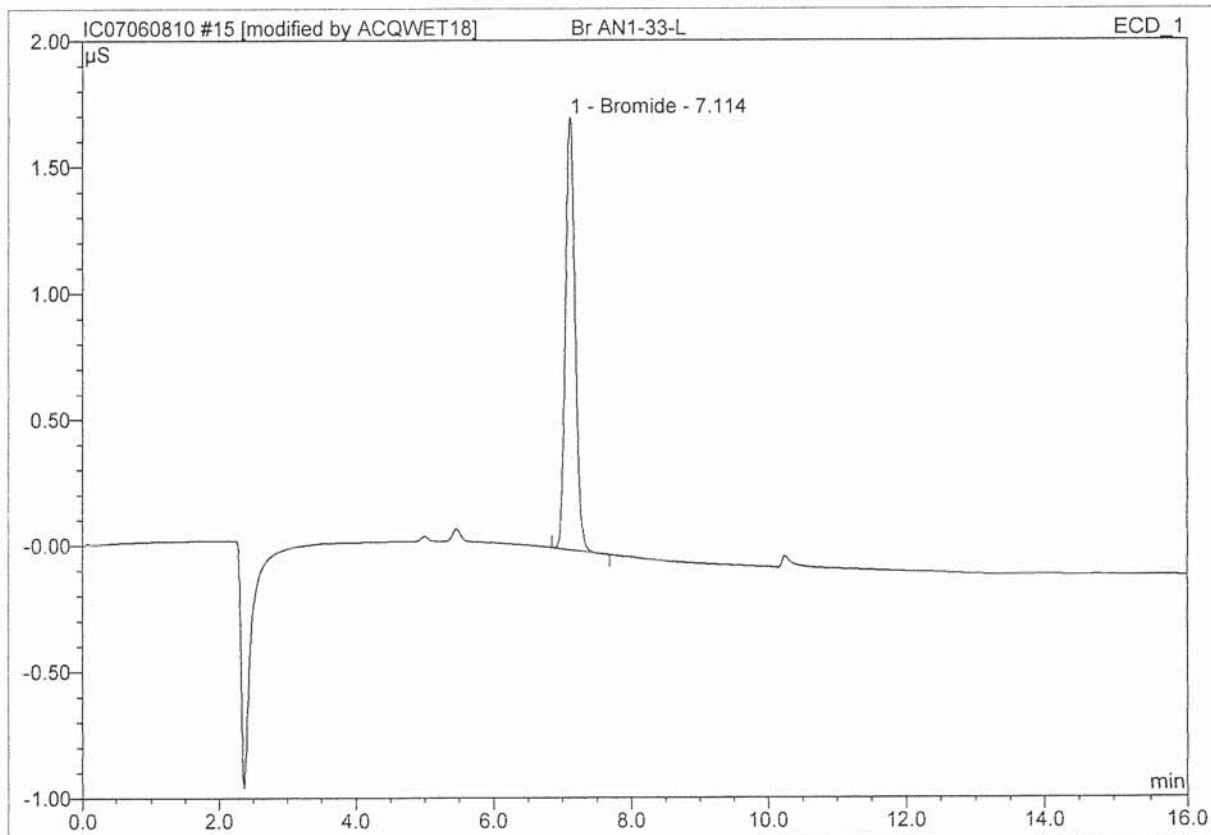


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	3.44	Fluoride	21.258	2.946	100.00	22.018	BMB
Total:			21.258	2.946	100.00	22.018	

Before
JUN 08 2010

15 Br AN1-33-L

Sample Name:	Br AN1-33-L	Injection Volume:	25.0
Vial Number:	8	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 11:06	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	7.11	Bromide	1.713	0.275	100.00	4.080	BMB*
Total:			1.713	0.275	100.00	4.080	

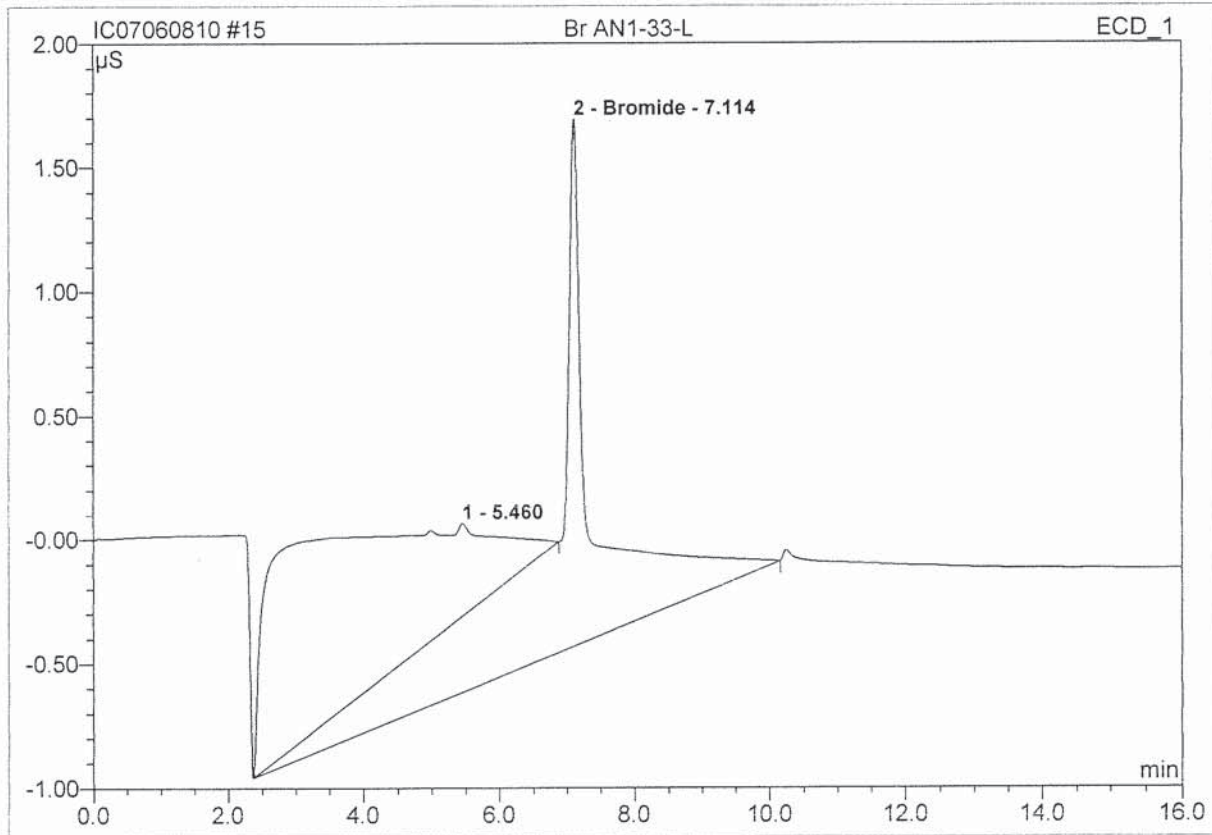
MS

6/21/10

2010 9 8 2010

15 Br AN1-33-L

Sample Name:	Br AN1-33-L	Injection Volume:	25.0
Vial Number:	8	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 11:06	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



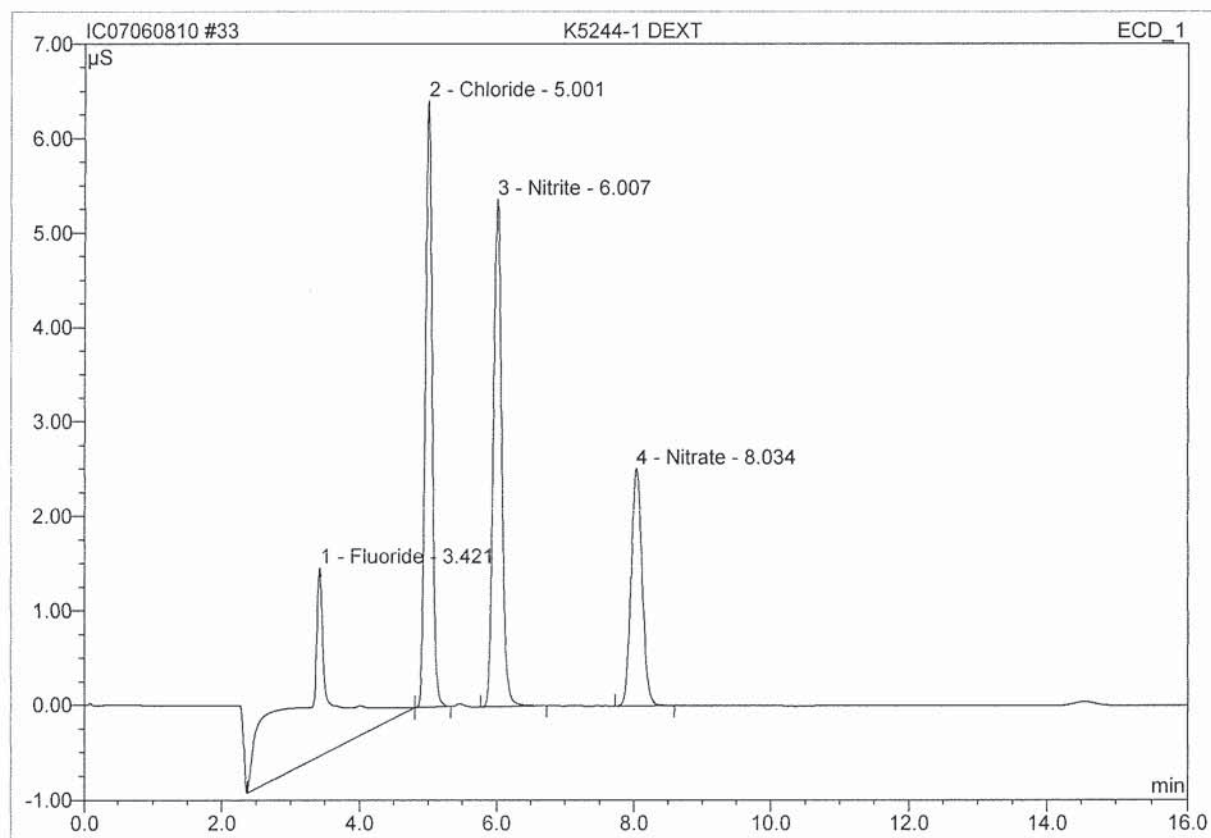
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	5.46	n.a.	0.374	2.118	51.59	n.a.	Ru
2	7.11	Bromide	2.125	1.987	48.41	29.496	BMB
Total:			2.499	4.104	100.00	29.496	

Before

JUN 08 2010

33 K5244-1 DEXT

Sample Name:	K5244-1 DEXT	Injection Volume:	25.0
Vial Number:	26	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	10.0000
Recording Time:	6/8/2010 16:20	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



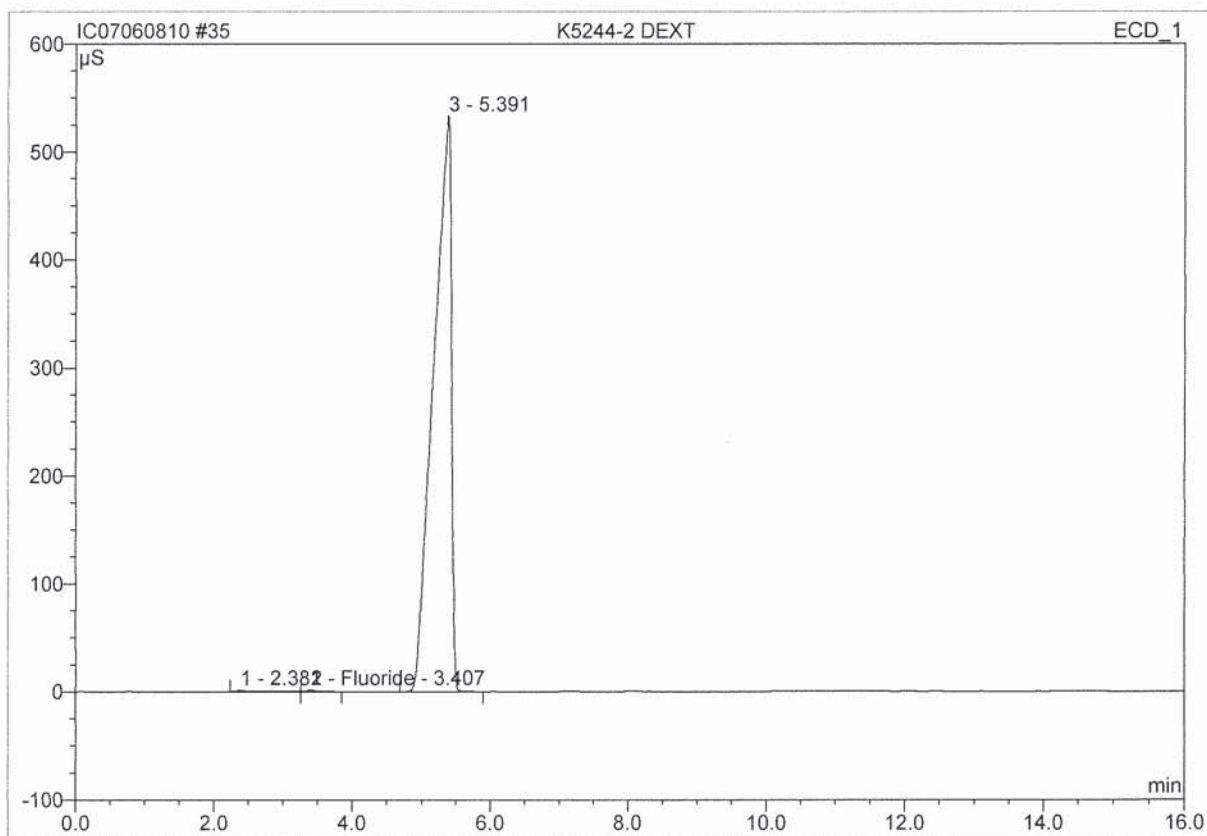
No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount ppm	Type
1	3.42	Fluoride	1.990	1.138	36.65	42.542	BMB
2	5.00	Chloride	6.413	0.737	23.73	43.743	bMB
3	6.01	Nitrite	5.367	0.761	24.50	20.289	BMB
4	8.03	Nitrate	2.509	0.470	15.12	11.292	BMB
Total:			16.278	3.106	100.00	117.866	

Before

JUN 08 2010

35 K5244-2 DEXT

Sample Name:	K5244-2 DEXT	Injection Volume:	25.0
Vial Number:	28	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	50.0000
Recording Time:	6/8/2010 16:55	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

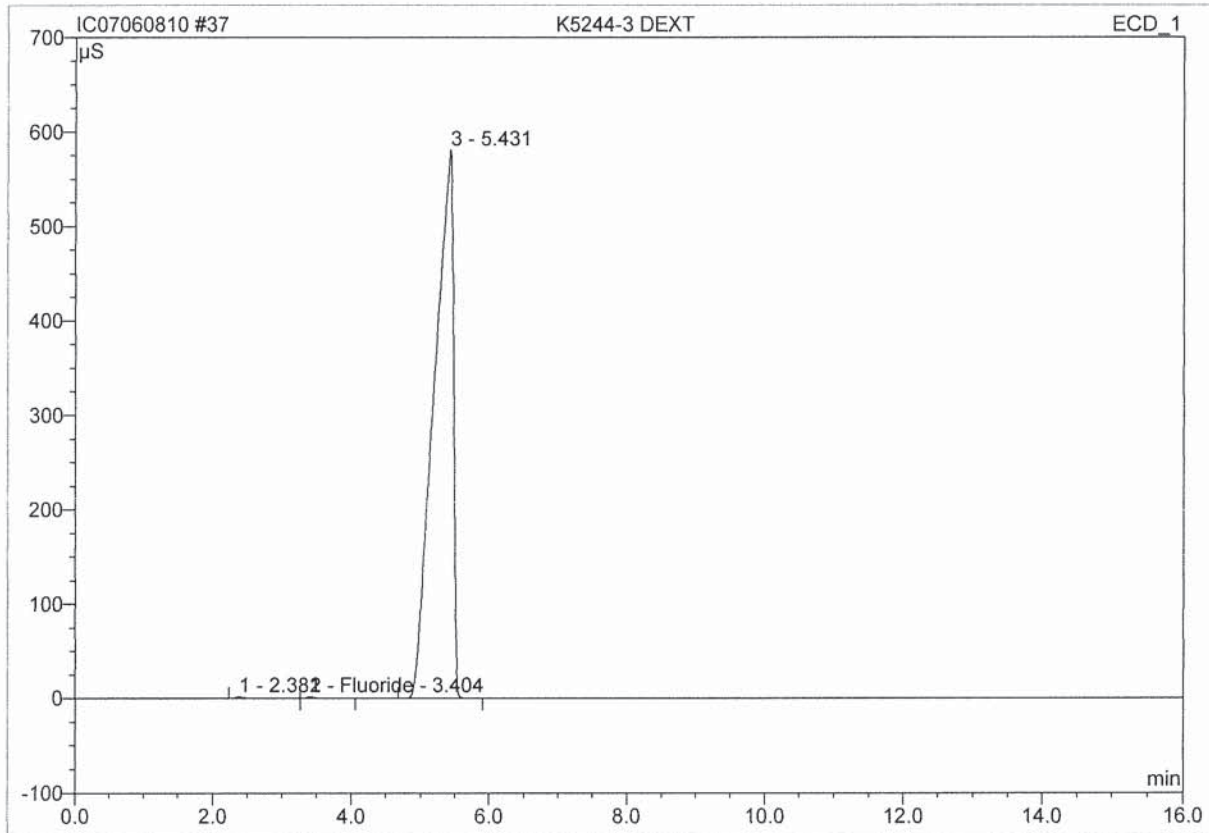


No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount ppm	Type
1	2.38	n.a.	1.210	0.219	0.14	n.a.	BM
2	3.41	Fluoride	1.481	0.172	0.11	32.086	MB
3	5.39	n.a.	533.472	158.761	99.75	n.a.	BMB
Total:			536.162	159.152	100.00	32.086	

Before

JUN 08 2010

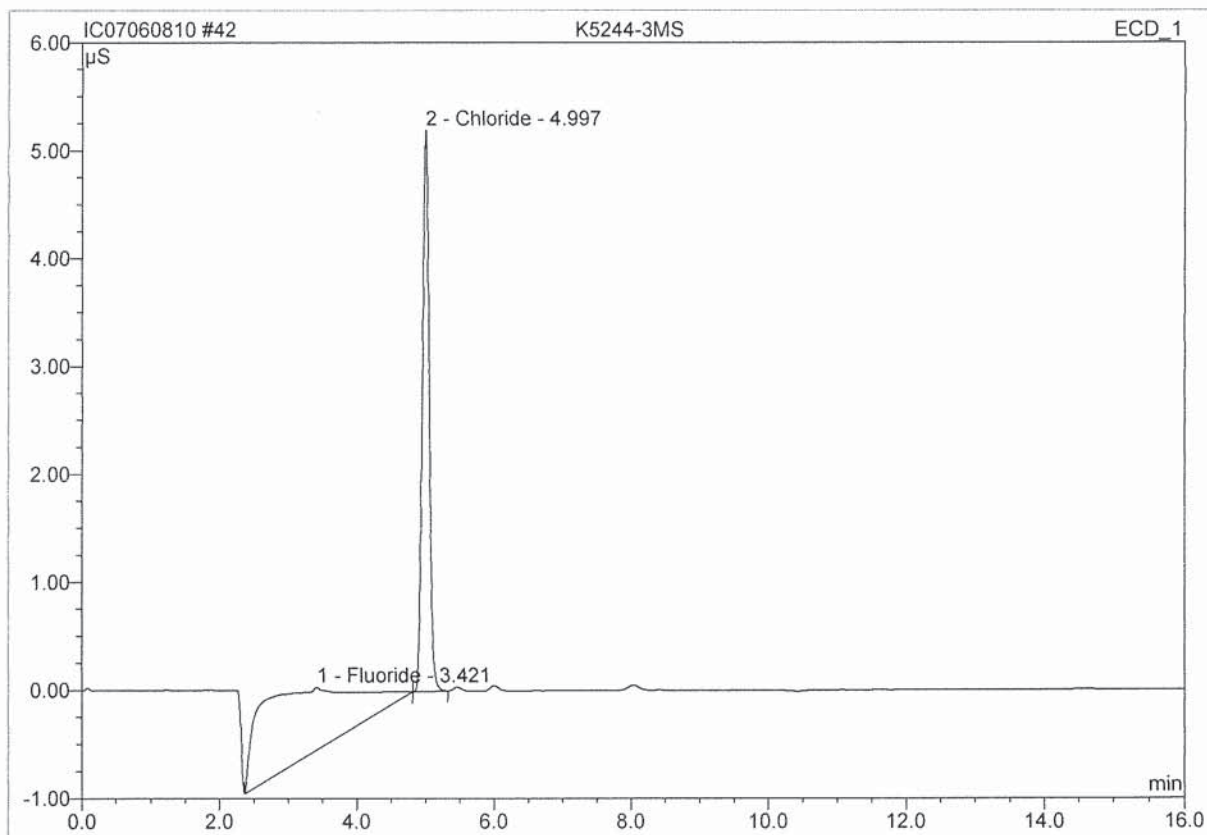
37 K5244-3 DEXT			
Sample Name:	K5244-3 DEXT	Injection Volume:	25.0
Vial Number:	30	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	50.0000
Recording Time:	6/8/2010 17:30	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	2.38	n.a.	1.593	0.290	0.15	n.a.	BM
2	3.40	Fluoride	1.929	0.236	0.13	44.154	MB
3	5.43	n.a.	580.463	188.182	99.72	n.a.	BMB
Total:			583.986	188.709	100.00	44.154	

Before *MB* 6/8/10

42 K5244-3MS			
Sample Name:	K5244-3MS	Injection Volume:	25.0
Vial Number:	35	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	#####
Recording Time:	6/8/2010 18:57	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



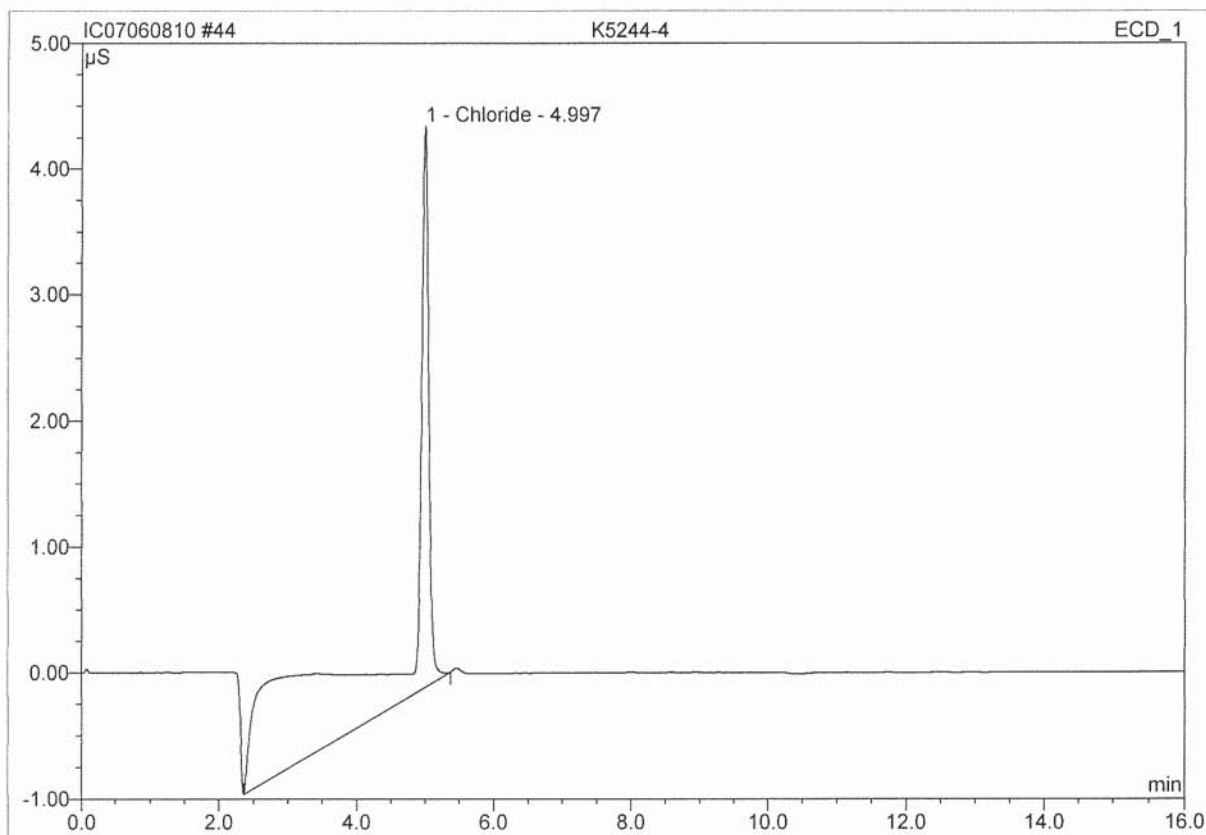
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	3.42	Fluoride	0.579	1.038	63.45	#####	BMB
2	5.00	Chloride	5.202	0.598	36.55	#####	bMB
Total:			5.782	1.637	100.00	#####	

Before

JUN 08 2010

44 K5244-4

Sample Name:	K5244-4	Injection Volume:	25.0
Vial Number:	37	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	#####
Recording Time:	6/8/2010 19:32	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



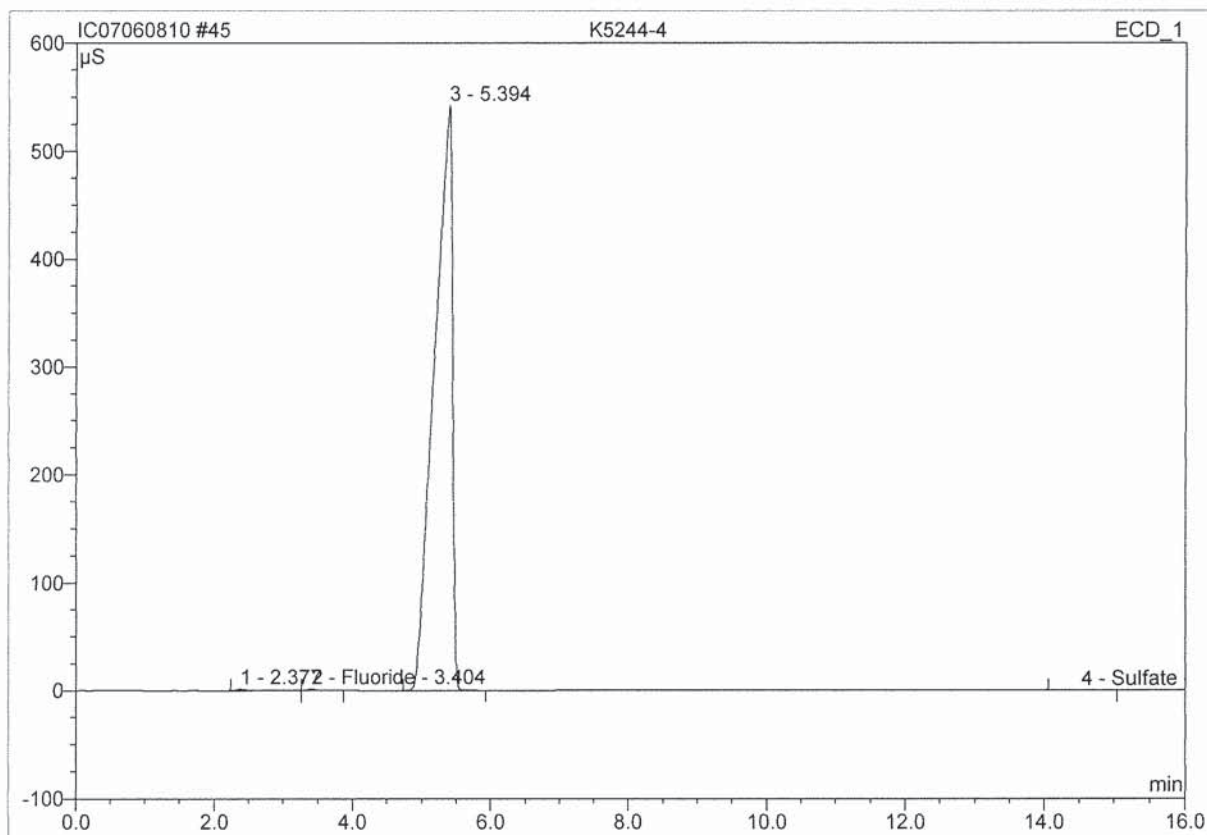
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	5.00	Chloride	4.459	1.791	100.00	#####	BMB
Total:			4.459	1.791	100.00	#####	

Before

JUN 08 2010

45 K5244-4

Sample Name:	K5244-4	Injection Volume:	25.0
Vial Number:	38	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	50.0000
Recording Time:	6/8/2010 19:49	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

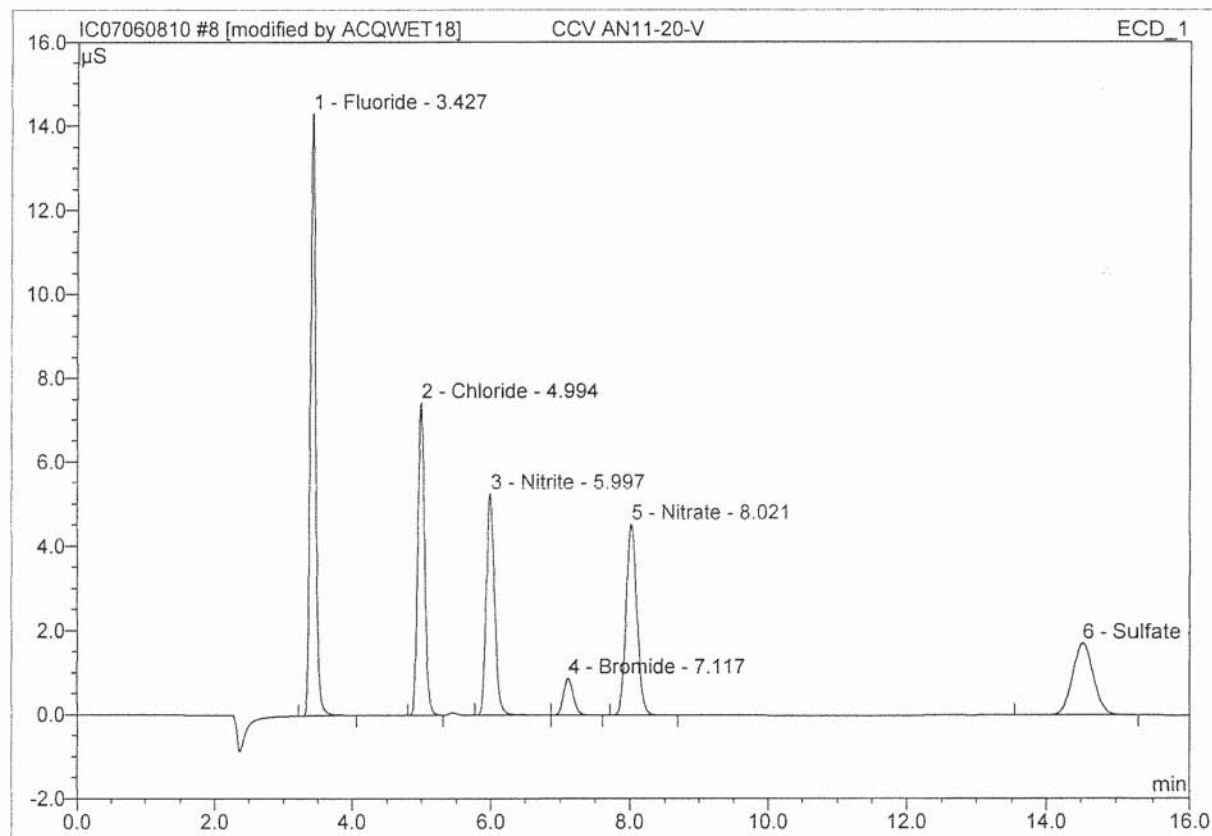


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	2.38	n.a.	1.281	0.227	0.14	n.a.	BM
2	3.40	Fluoride	1.451	0.168	0.10	31.478	MB
3	5.39	n.a.	541.942	163.627	99.70	n.a.	BMB
4	14.53	Sulfate	0.278	0.103	0.06	45.322	BMB
Total:			544.952	164.126	100.00	76.800	

Before

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8 CCV AN11-20-V			
Sample Name:	CCV AN11-20-V	Injection Volume:	25.0
Vial Number:	1	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 9:04	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



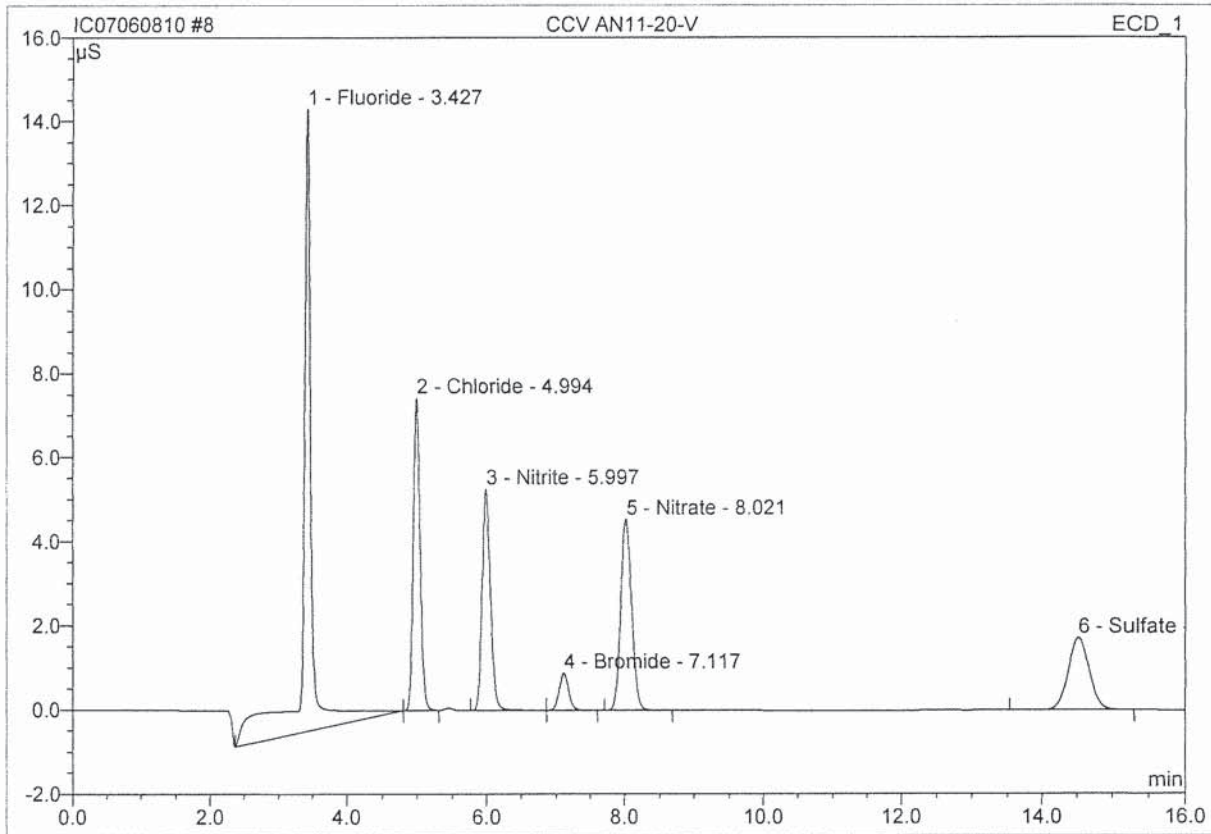
No.	Ret.Time min	Peak Name	Height μS	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount ppm	Type
1	3.43	Fluoride	14.329	1.308	29.31	4.88998%	BMB*
2	4.99	Chloride	7.439	0.849	19.02	5.03710%	BMB*
3	6.00	Nitrite	5.263	0.740	16.58	1.97399%	BMB
4	7.12	Bromide	0.873	0.141	3.17	2.09815%	bMB
5	8.02	Nitrate	4.548	0.825	18.49	1.98379%	BMB
6	14.53	Sulfate	1.712	0.600	13.44	5.268165%	BMB
Total:			34.165	4.463	100.00	21.248	

MS

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2010

8 CCV AN11-20-V			
Sample Name:	CCV AN11-20-V	Injection Volume:	25.0
Vial Number:	1	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 9:04	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

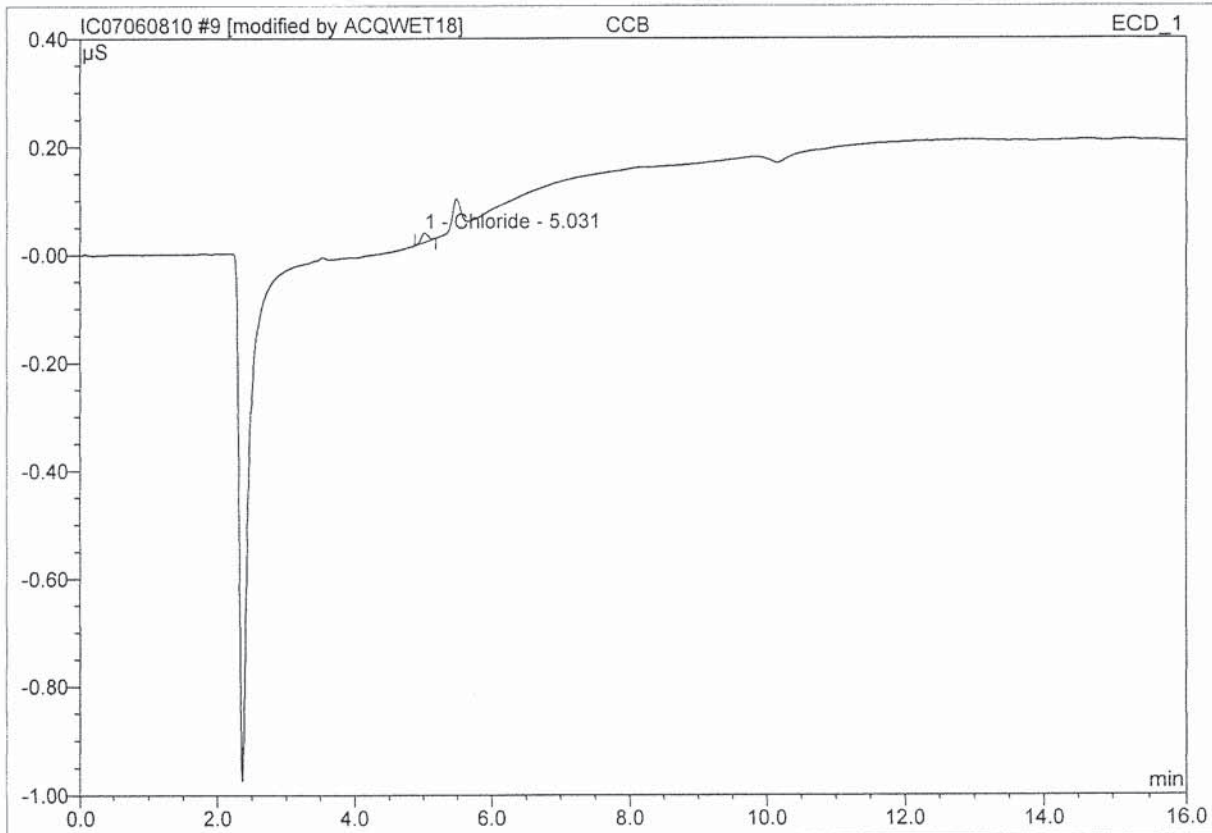


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	3.43	Fluoride	14.806	2.240	41.53	8.372	BMB
2	4.99	Chloride	7.439	0.849	15.73	5.037	bMB
3	6.00	Nitrite	5.263	0.740	13.72	1.973	BMB
4	7.12	Bromide	0.873	0.141	2.62	2.098	bMB
5	8.02	Nitrate	4.548	0.825	15.29	1.983	BMB
6	14.53	Sulfate	1.712	0.600	11.11	5.268	BMB
Total:			34.642	5.395	100.00	24.732	

Before

JUN 08 2010

9 CCB			
Sample Name:	CCB	Injection Volume:	25.0
Vial Number:	2	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 9:21	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

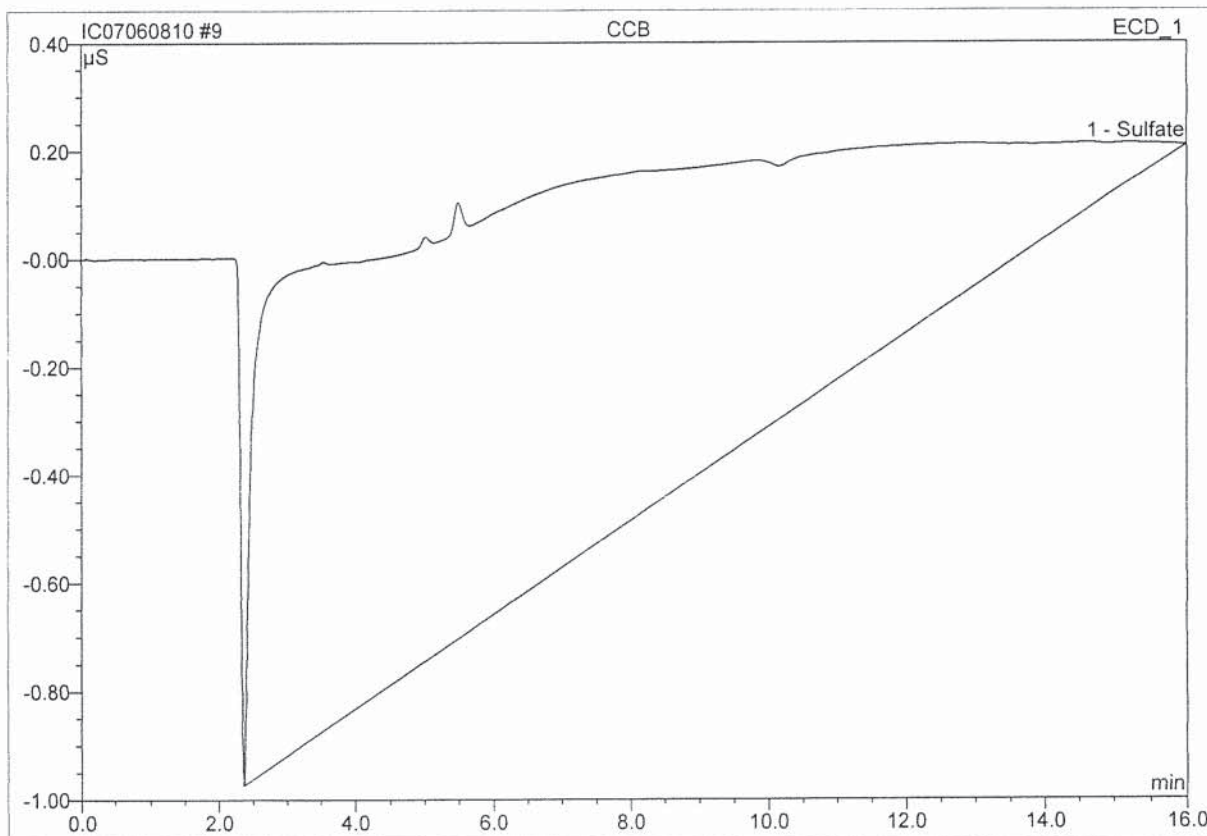


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	5.03	Chloride 60.20	0.017	0.002	100.00	0.012	BMB*
Total:			0.017	0.002	100.00	0.012	


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9 CCB			
Sample Name:	CCB	Injection Volume:	25.0
Vial Number:	2	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 9:21	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

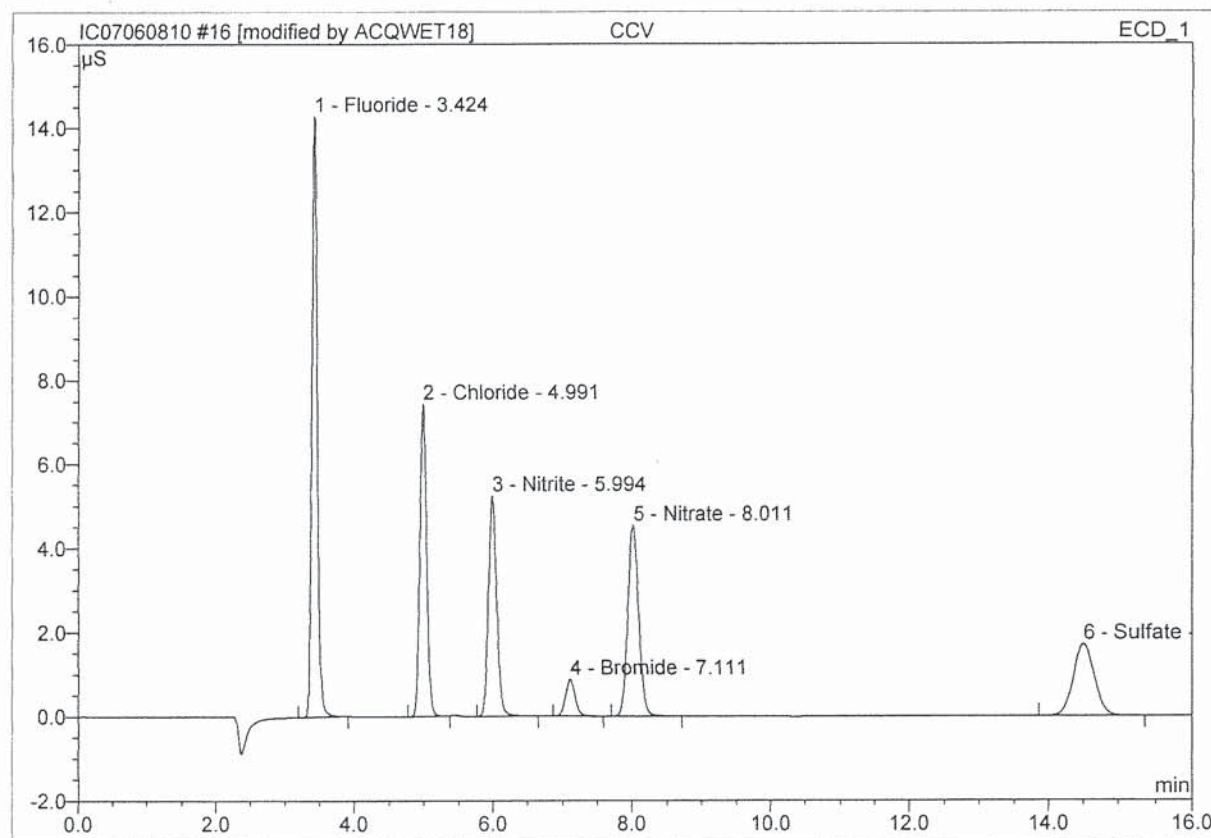


No.	Ret. Time min	Peak Name	Height μ S	Area μ S*min	Rel. Area %	Amount ppm	Type
1	14.61	Sulfate	0.124	6.966	100.00	61.192	BMB
Total:			0.124	6.966	100.00	61.192	

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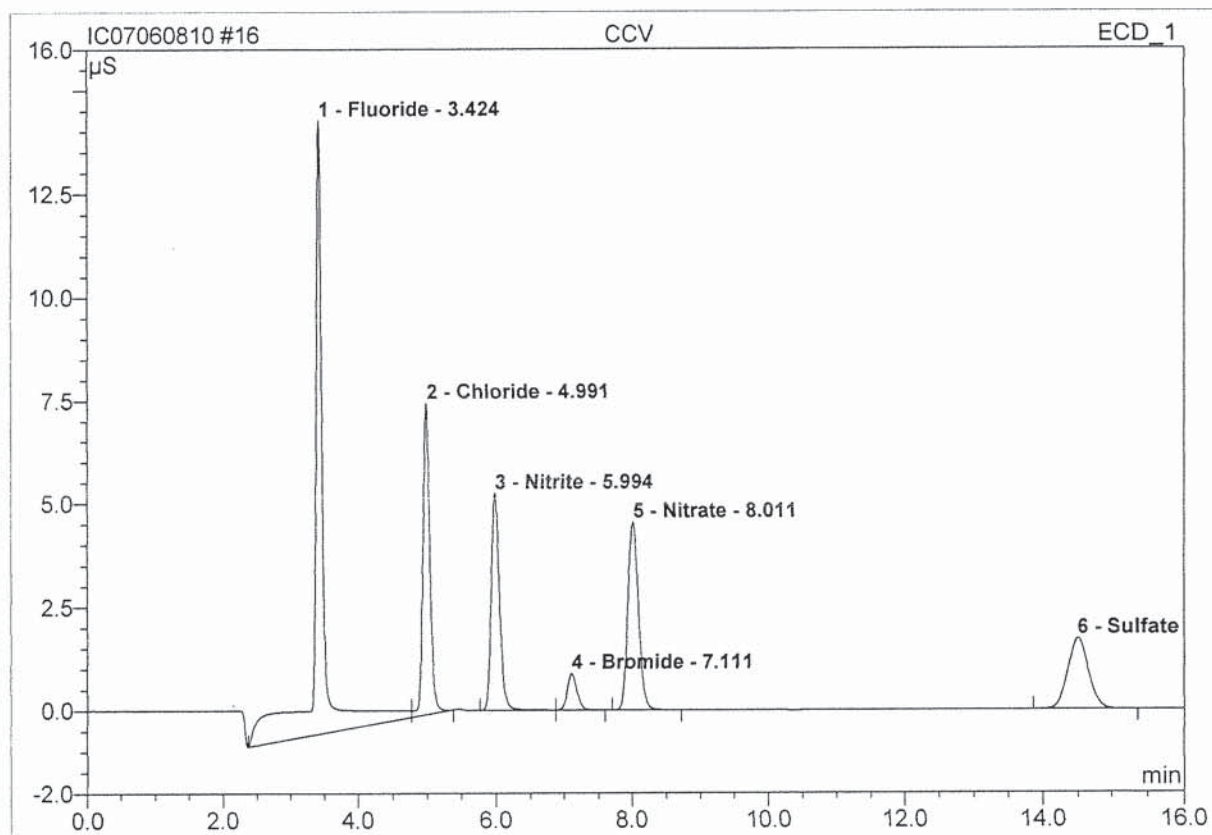
JUN 08 2010

16 CCV			
Sample Name:	CCV	Injection Volume:	25.0
Vial Number:	9	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 11:23	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	3.42	Fluoride	14.294	1.300	29.25	98 4.858	BMB*
2	4.99	Chloride	7.436	0.846	19.03	100 5.021	BMB*
3	5.99	Nitrite	5.250	0.738	16.60	100 1.967	BMB*
4	7.11	Bromide	0.873	0.141	3.17	105 2.094	BMB*
5	8.01	Nitrate	4.544	0.824	18.54	100 1.981	BMB
6	14.51	Sulfate	1.710	0.596	13.42	104 5.239	BMB
Total:			34.108	4.445	100.00	21.161	

16 CCV			
Sample Name:	CCV	Injection Volume:	25.0
Vial Number:	9	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 11:23	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

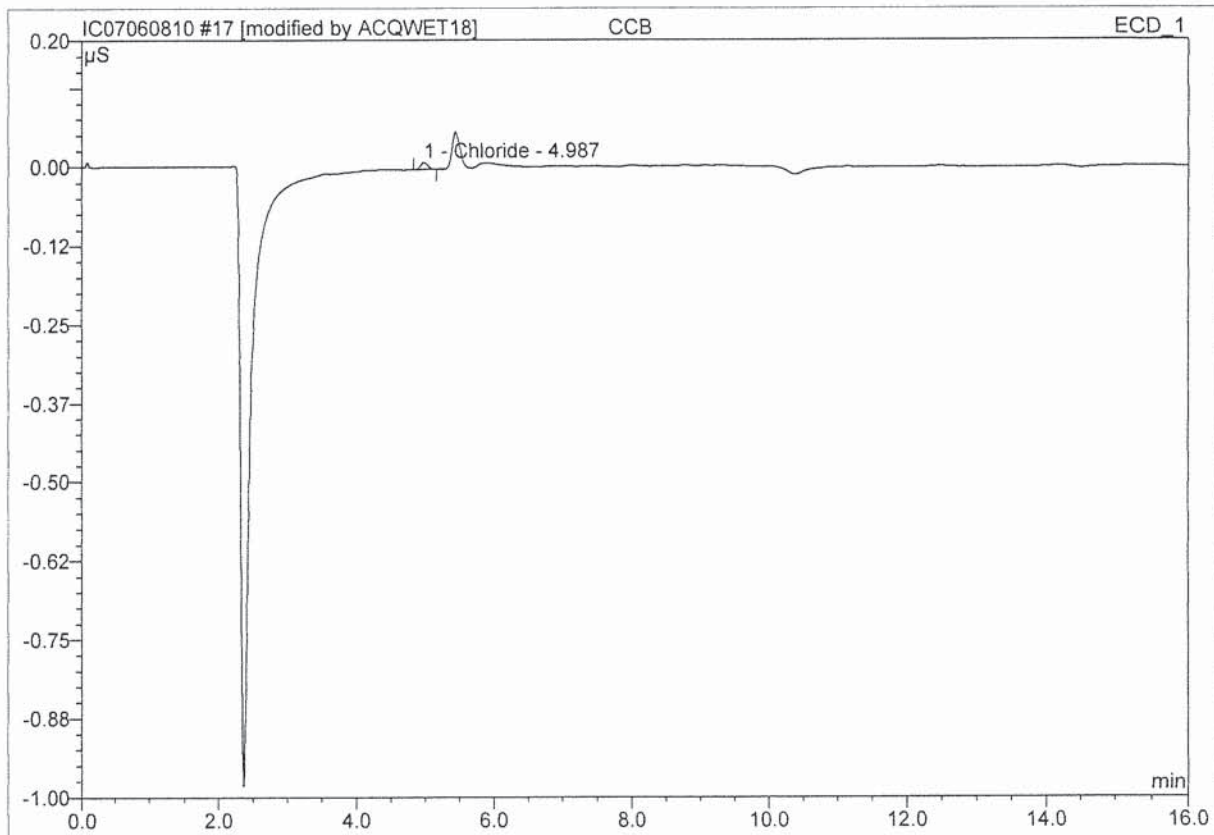


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	3.42	Fluoride	14.850	2.435	43.24	9.101	BM
2	4.99	Chloride	7.541	0.896	15.90	5.318	MB
3	5.99	Nitrite	5.251	0.740	13.14	1.973	BMB
4	7.11	Bromide	0.873	0.141	2.50	2.094	bMB
5	8.01	Nitrate	4.544	0.824	14.63	1.981	BMB
6	14.51	Sulfate	1.710	0.596	10.59	5.239	BMB
Total:			34.770	5.633	100.00	25.706	

Before

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17 CCB			
Sample Name:	CCB	Injection Volume:	25.0
Vial Number:	10	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 11:41	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



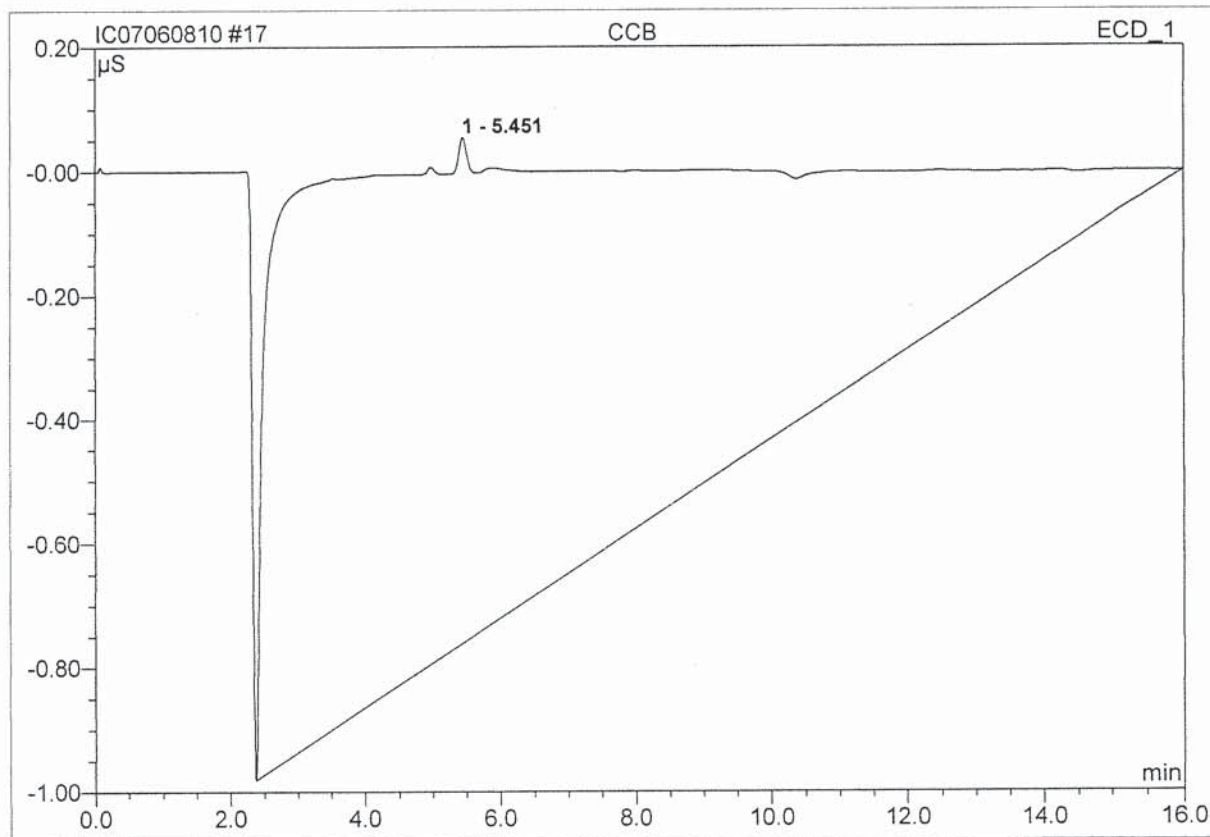
No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount ppm	Type
1	4.99	Chloride	0.011	0.001	100.00	0.008	BMB*
Total:			0.011	0.001	100.00	0.008	

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17 CCB

Sample Name:	CCB	Injection Volume:	25.0
Vial Number:	10	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 11:41	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

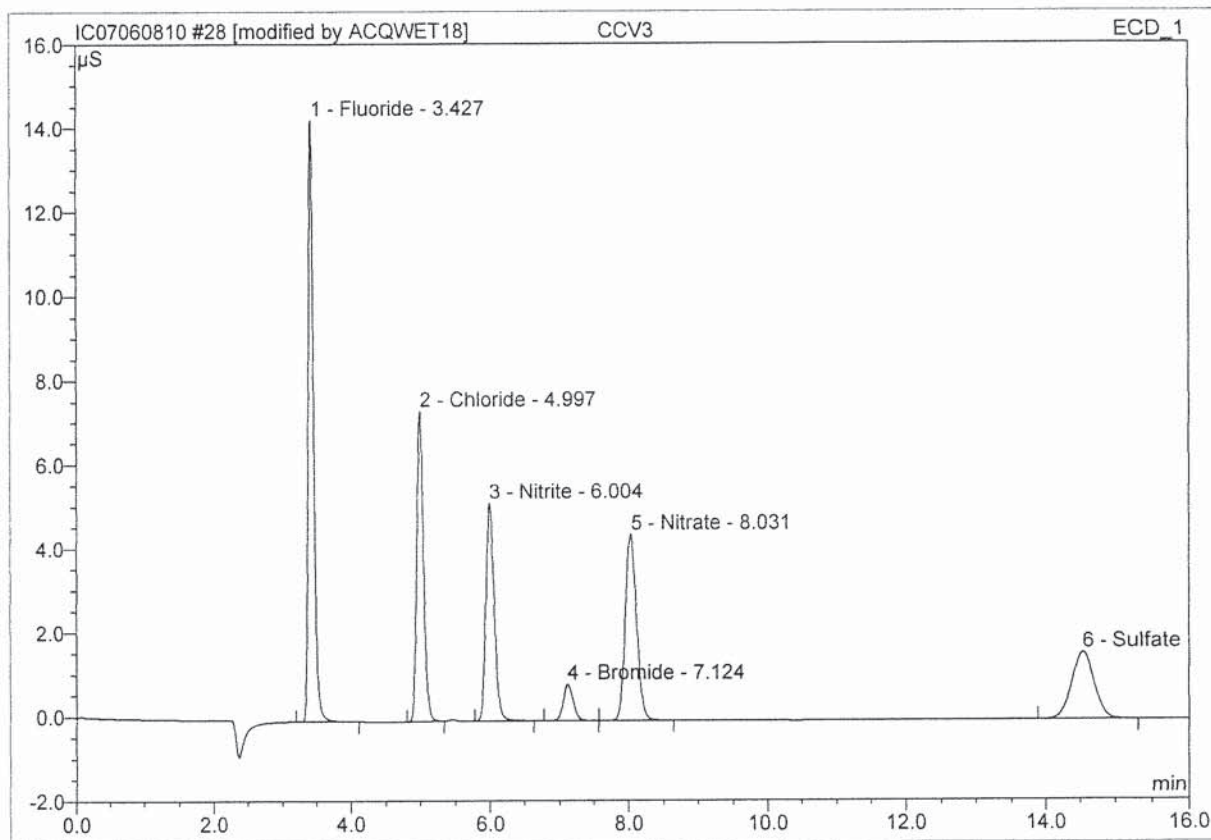


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	5.45	n.a.	0.815	6.549	100.00	n.a.	BMB
Total:			0.815	6.549	100.00	0.000	

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JUN 08 2010

28 CCV3			
Sample Name:	CCV3	Injection Volume:	25.0
Vial Number:	21	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 14:53	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



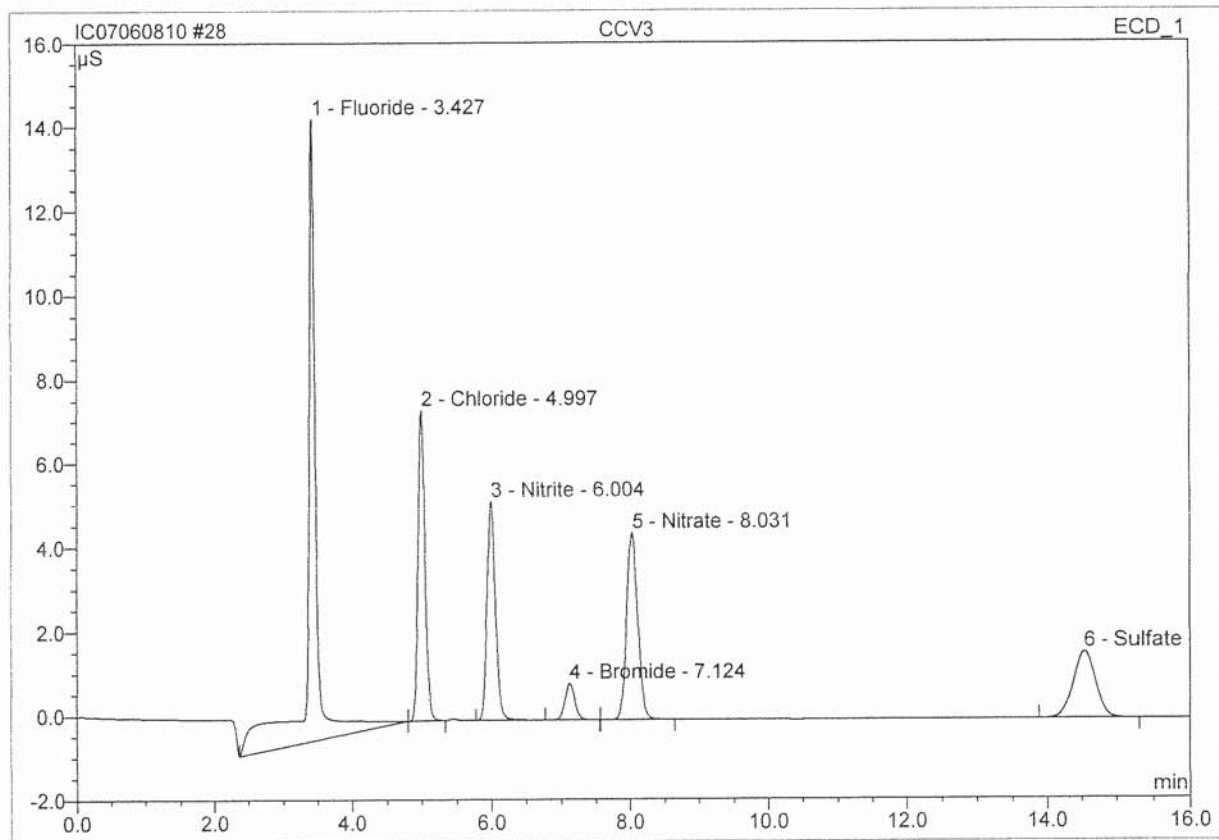
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	3.43	Fluoride	14.316	1.303	29.32	4.871977	BMB*
2	5.00	Chloride	7.384	0.847	19.06	5.029149	BMB*
3	6.00	Nitrite	5.193	0.736	16.55	1.961987	BMB*
4	7.12	Bromide	0.857	0.141	3.17	2.092157	BM *
5	8.03	Nitrate	4.427	0.823	18.51	1.978772	MB*
6	14.54	Sulfate	1.587	0.595	13.39	5.228157	BMB
Total:			33.763	4.445	100.00	21.158	

MB

8/6/2010

28 CCV3

Sample Name:	CCV3	Injection Volume:	25.0
Vial Number:	21	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 14:53	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

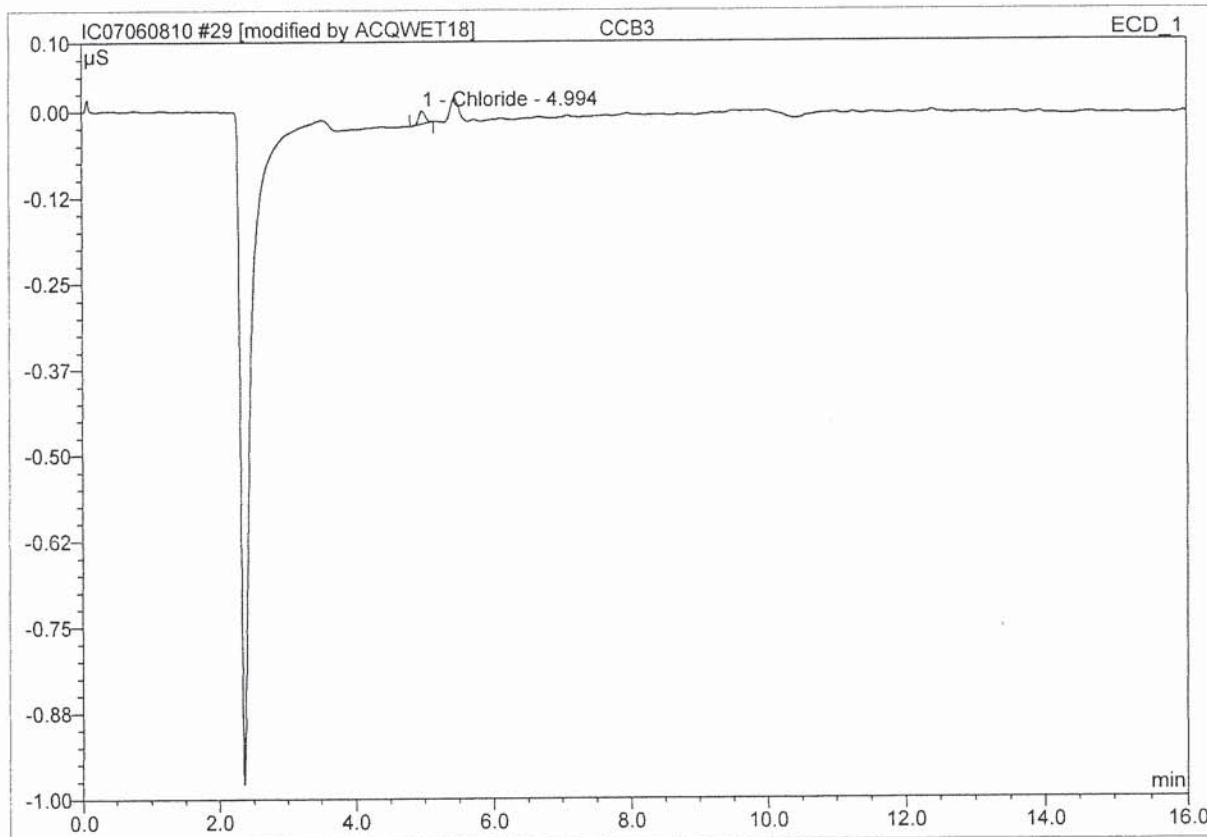


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount ppm	Type
1	3.43	Fluoride	14.795	2.235	41.49	8.351	BMB
2	5.00	Chloride	7.384	0.847	15.73	5.029	bMB
3	6.00	Nitrite	5.195	0.744	13.81	1.983	BM
4	7.12	Bromide	0.857	0.141	2.63	2.100	Rd
5	8.03	Nitrate	4.429	0.824	15.30	1.982	MB
6	14.54	Sulfate	1.587	0.595	11.05	5.228	BMB
Total:			34.247	5.387	100.00	24.672	

Before

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29 CCB3			
Sample Name:	CCB3	Injection Volume:	25.0
Vial Number:	22	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 15:10	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

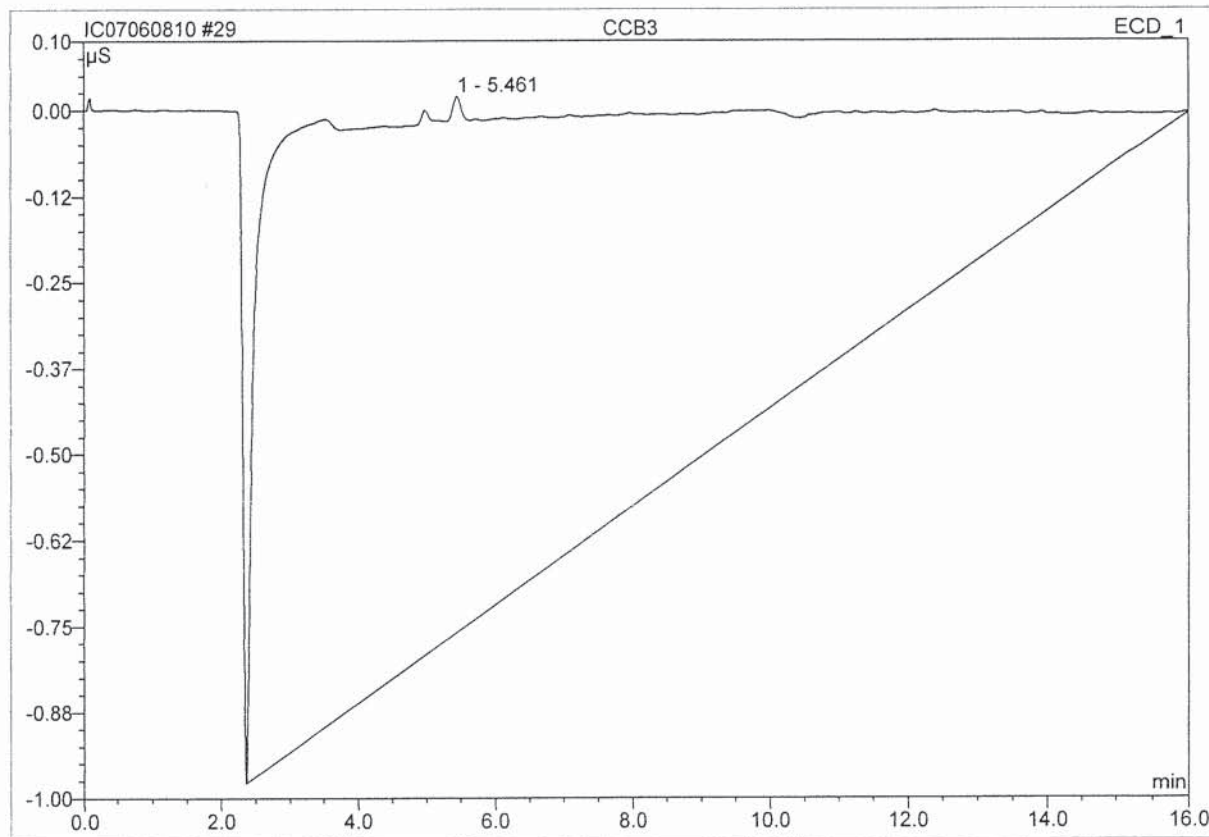


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	4.99	Chloride	0.018	0.002	100.00	0.012	BMB*
Total:			0.018	0.002	100.00	0.012	

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Baseline

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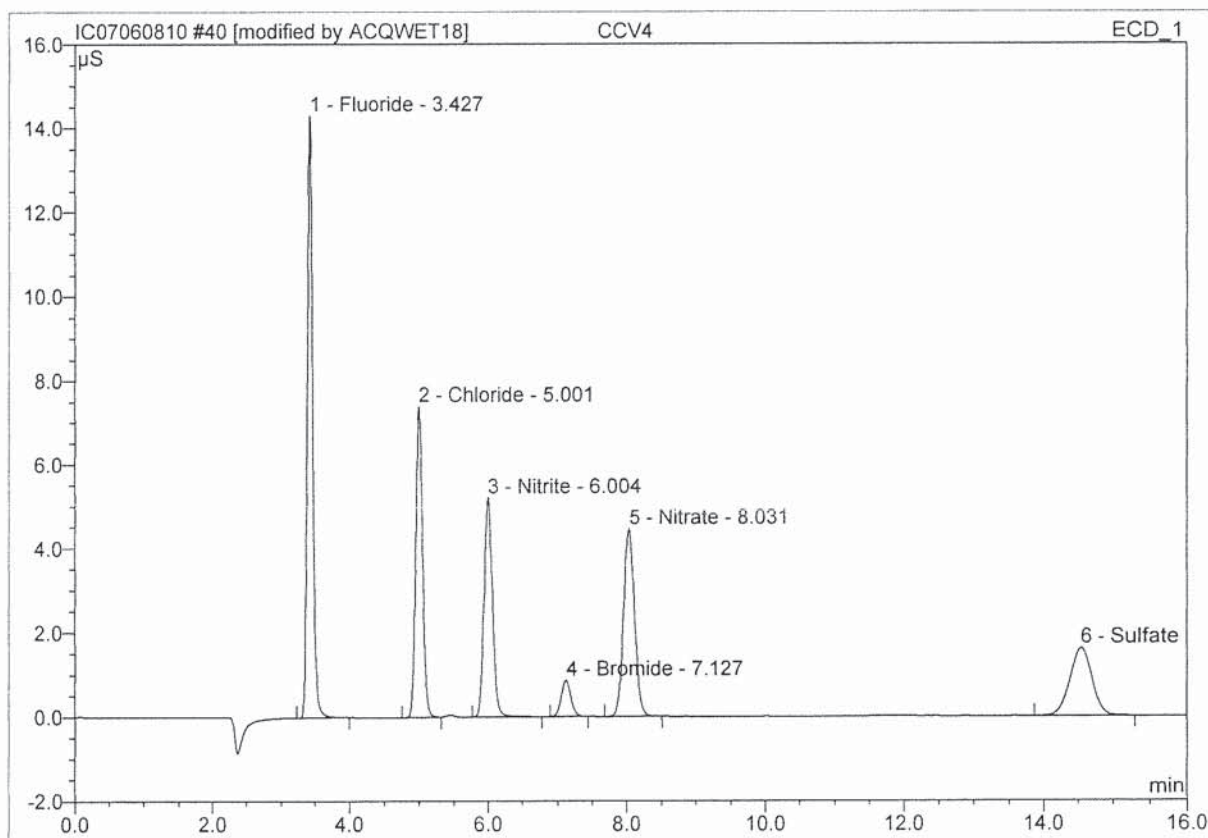
29 CCB3			
Sample Name:	CCB3	Injection Volume:	25.0
Vial Number:	22	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 15:10	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	5.46	n.a.	0.778	6.455	100.00	n.a.	BMB
Total:			0.778	6.455	100.00	0.000	

Handwritten note: B2 (Dir) (AV) 6/8/10

40 CCV4			
Sample Name:	CCV4	Injection Volume:	25.0
Vial Number:	33	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 18:22	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



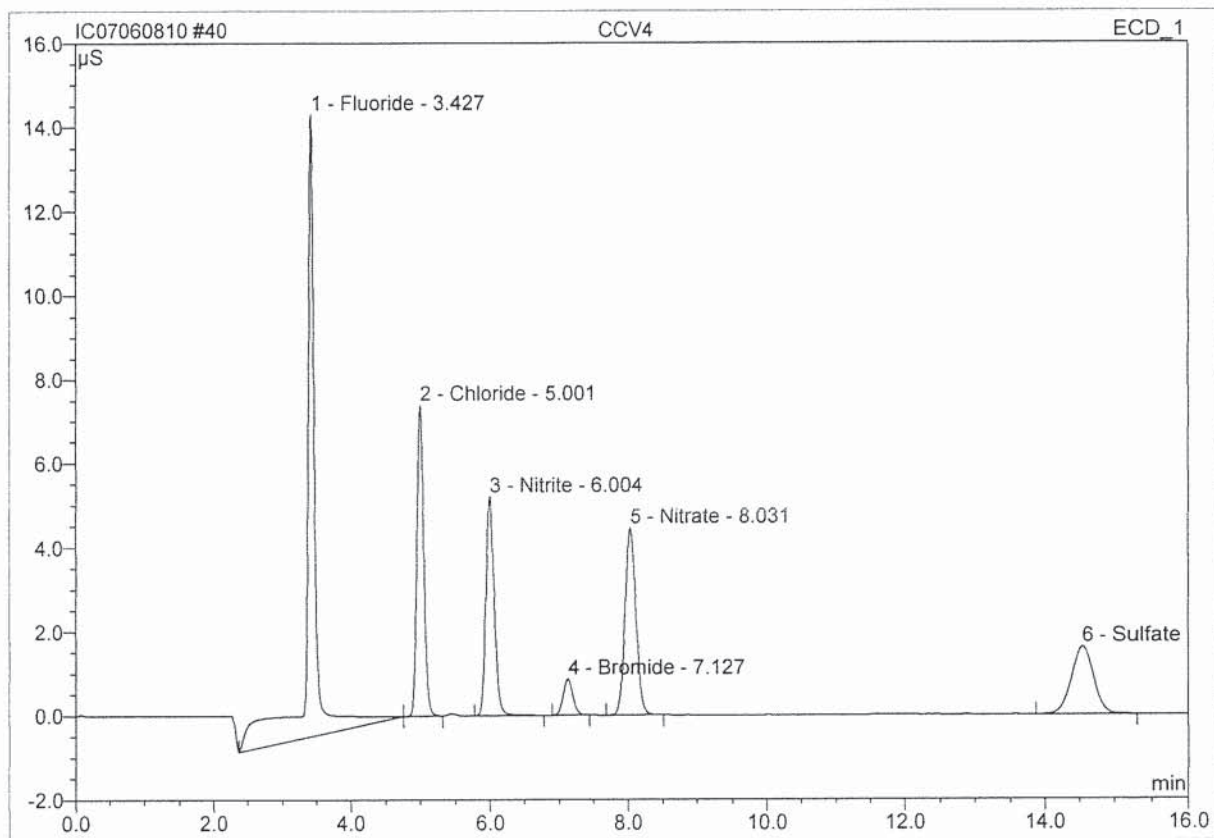
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	3.43	Fluoride	14.311	1.300	29.29	4.857977	BMB*
2	5.00	Chloride	7.403	0.845	19.04	5.016100	BMB*
3	6.00	Nitrite	5.214	0.736	16.59	1.963982	BMB
4	7.13	Bromide	0.860	0.140	3.15	2.079104	BMB
5	8.03	Nitrate	4.451	0.821	18.50	1.974992	BMB
6	14.54	Sulfate	1.606	0.596	13.43	5.234105	BMB
Total:			33.843	4.438	100.00	21.123	

ME

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40 CCV4

Sample Name:	CCV4	Injection Volume:	25.0
Vial Number:	33	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 18:22	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

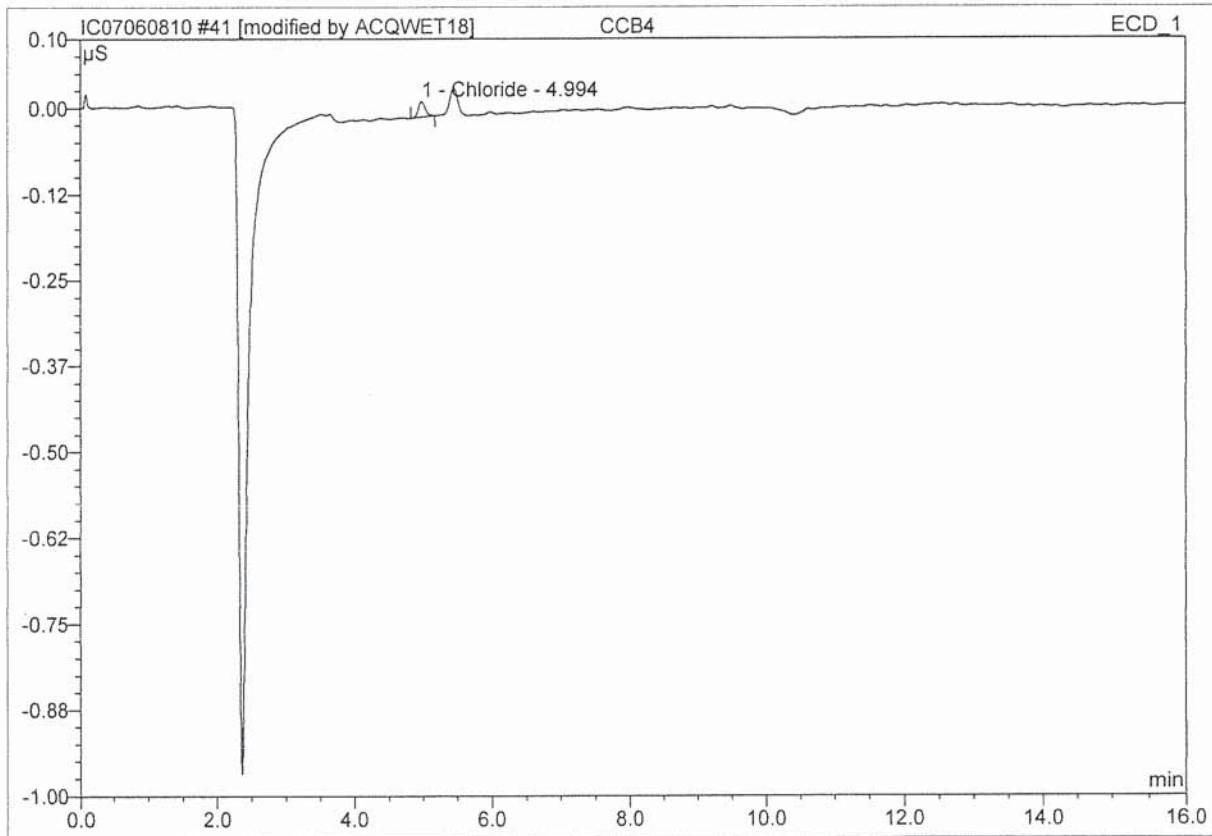


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	3.43	Fluoride	14.782	2.210	41.32	8.258	BMB
2	5.00	Chloride	7.403	0.845	15.80	5.016	bMB
3	6.00	Nitrite	5.214	0.736	13.77	1.963	BMB
4	7.13	Bromide	0.860	0.140	2.62	2.079	BMB
5	8.03	Nitrate	4.451	0.821	15.35	1.974	BMB
6	14.54	Sulfate	1.606	0.596	11.14	5.234	BMB
Total:			34.315	5.348	100.00	24.524	

Before

JUN 08 2010

41 CCB4			
Sample Name:	CCB4	Injection Volume:	25.0
Vial Number:	34	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 18:39	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

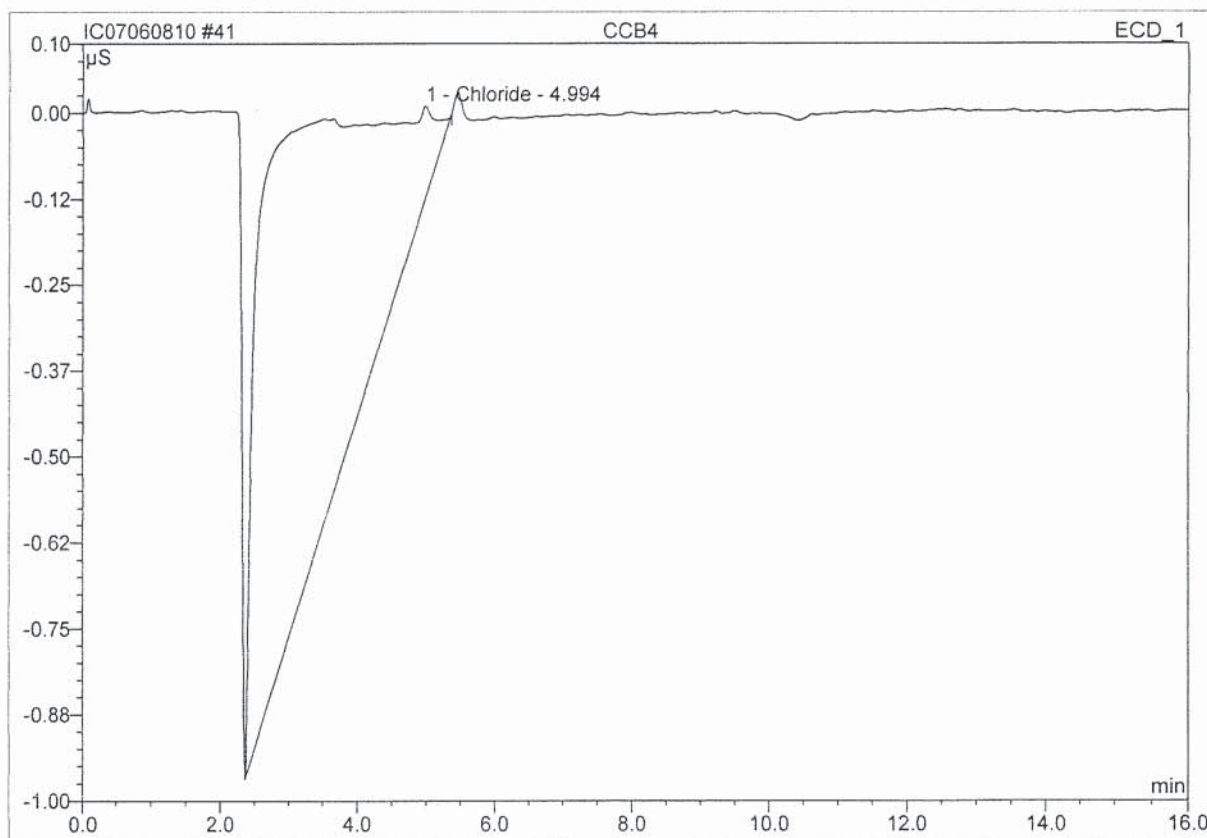


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	4.99	Chloride 4.994	0.023	0.003	100.00	0.016	BMB*
Total:			0.023	0.003	100.00	0.016	

Handwritten signature and date: 6/21/10

41 CCB4

Sample Name:	CCB4	Injection Volume:	25.0
Vial Number:	34	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 18:39	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

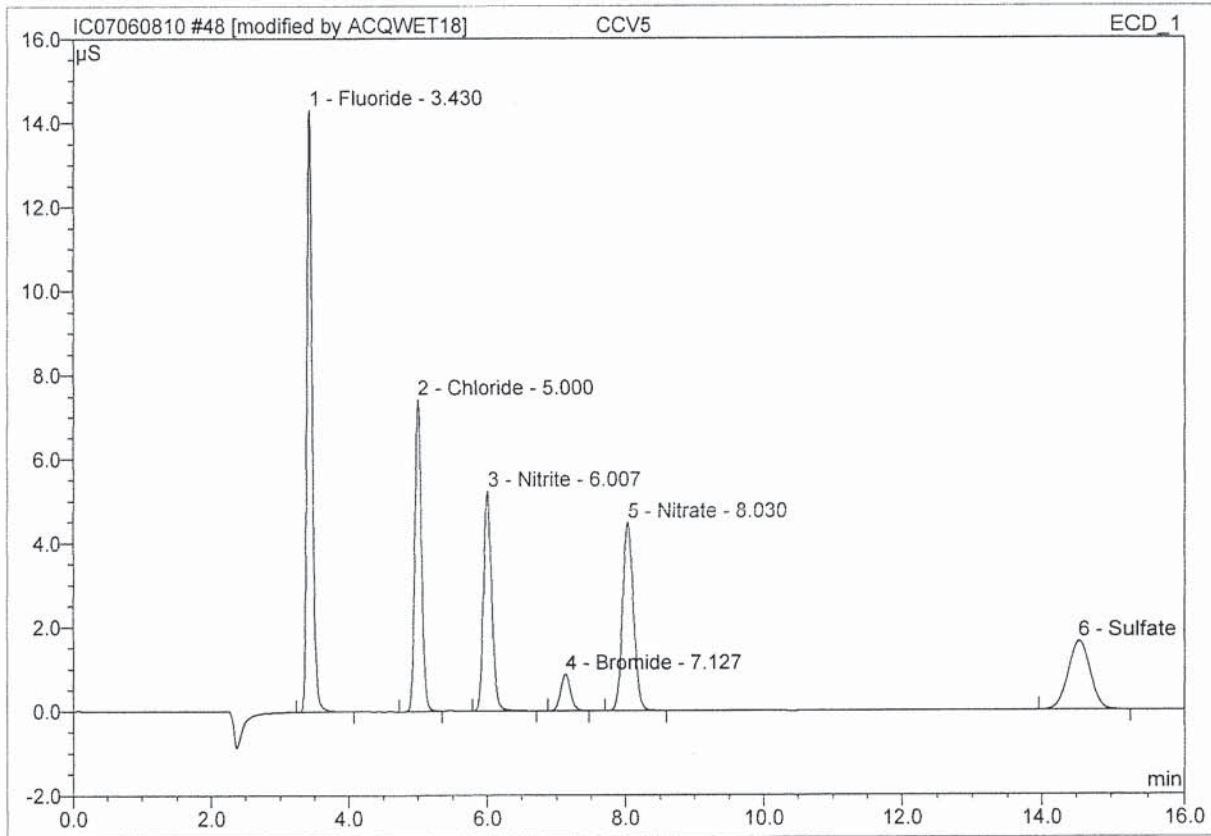


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	4.99	Chloride	0.133	1.298	100.00	7.707	BMB
Total:			0.133	1.298	100.00	7.707	

Return

JUN 08 2010

48 CCV5			
Sample Name:	CCV5	Injection Volume:	25.0
Vial Number:	41	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 20:41	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



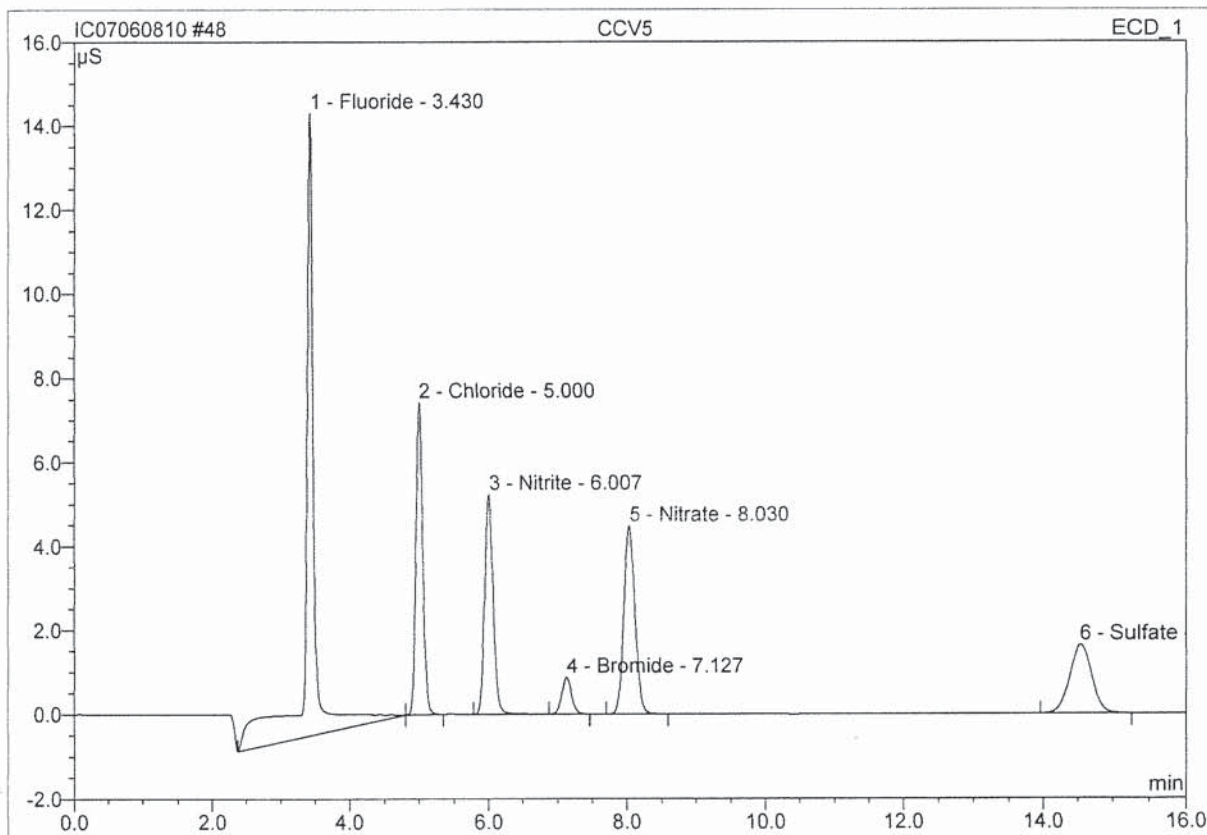
No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount ppm	Type
1	3.43	Fluoride	14.328	1.304	29.31	4.875 ^{98%}	BMB*
2	5.00	Chloride	7.421	0.847	19.04	5.030 ^{16%}	BMB*
3	6.01	Nitrite	5.230	0.737	16.56	1.965 ^{9%}	BMB*
4	7.13	Bromide	0.864	0.141	3.17	2.091 ^{6%}	BMB*
5	8.03	Nitrate	4.473	0.824	18.51	1.980 ^{9%}	BMB
6	14.54	Sulfate	1.624	0.597	13.42	5.246 ^{15%}	BMB
Total:			33.940	4.451	100.00	21.187	

After 

6/21/10

48 CCV5

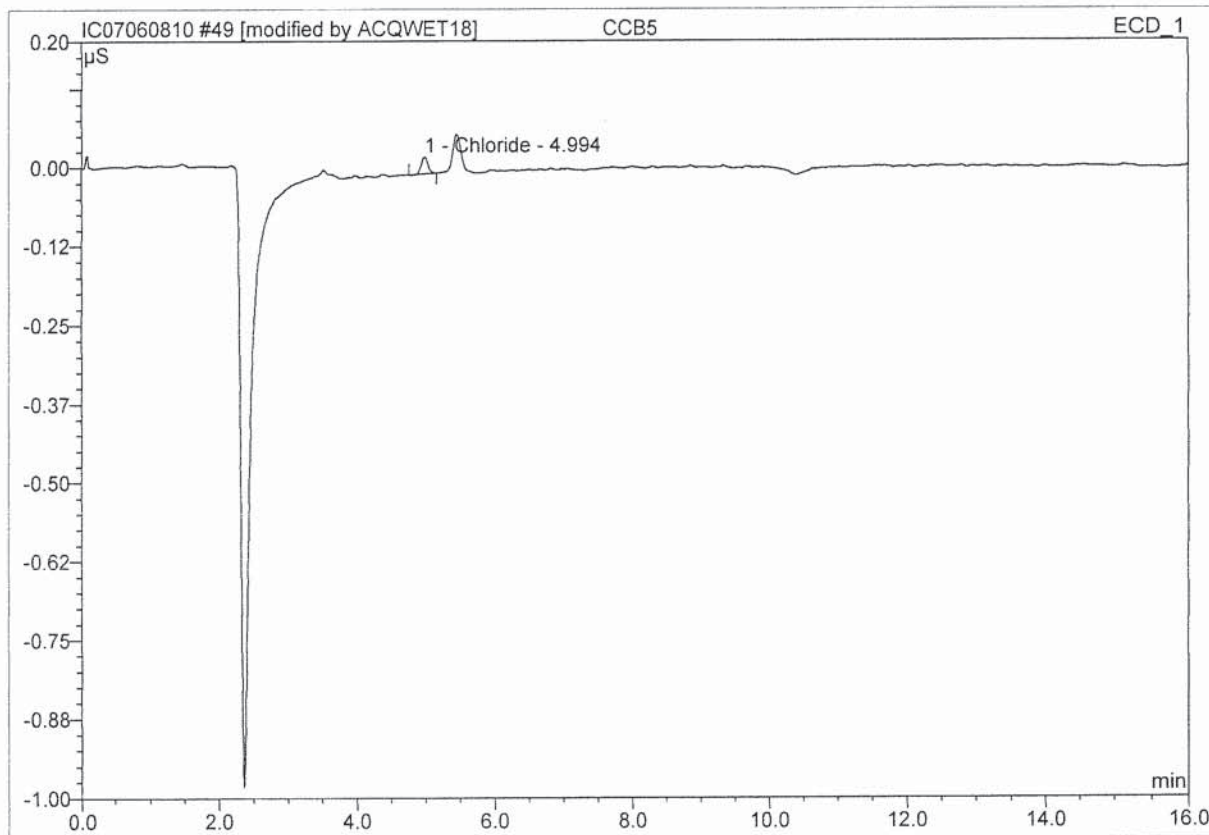
Sample Name:	CCV5	Injection Volume:	25.0
Vial Number:	41	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 20:41	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	3.43	Fluoride	14.812	2.251	41.67	8.411	BMB
2	5.00	Chloride	7.422	0.848	15.69	5.032	bMB
3	6.01	Nitrite	5.232	0.741	13.72	1.975	BMB
4	7.13	Bromide	0.864	0.141	2.61	2.091	Rd
5	8.03	Nitrate	4.473	0.824	15.25	1.980	BMB
6	14.54	Sulfate	1.624	0.597	11.06	5.246	BMB
Total:			34.426	5.401	100.00	24.736	

JUN 08 2010

49 CCB5			
Sample Name:	CCB5	Injection Volume:	25.0
Vial Number:	42	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 20:59	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000

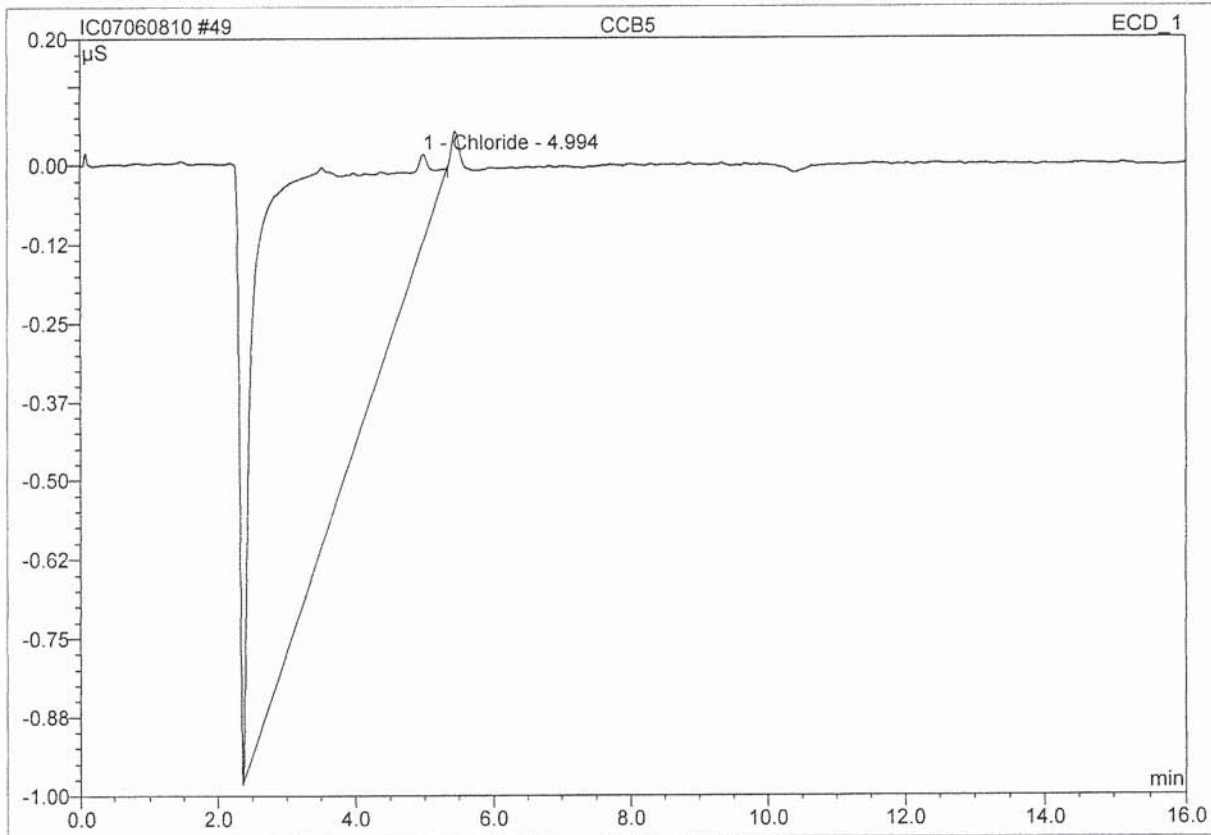


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount ppm	Type
1	4.99	Chloride 4.99	0.027	0.003	100.00	0.018	BMB*
Total:			0.027	0.003	100.00	0.018	

MB

6/6/2010

49 CCB5			
Sample Name:	CCB5	Injection Volume:	25.0
Vial Number:	42	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	300	Bandwidth:	n.a.
Quantif. Method:	300	Dilution Factor:	1.0000
Recording Time:	6/8/2010 20:59	Sample Weight:	1.0000
Run Time (min):	16.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount ppm	Type
1	4.99	Chloride	0.136	1.311	100.00	7.784	BMB
Total:			0.136	1.311	100.00	7.784	

Before

JUN 08 2010

Metals

Columbia Analytical Services

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Exponent
Project Name: Heglar - Kronquist
Project No.: 0907194.000.0601

Service Request: K1005244

<u>Sample Name:</u>	<u>Lab Code:</u>
D-1-13	K1005244-001
D-1-13D	K1005244-001D
D-1-13S	K1005244-001S
D-3-21	K1005244-002
D-4-16	K1005244-003
D-4-36	K1005244-004
Method Blank	K1005244-MB1
Method Blank	K1005244-MB2
Batch QC1D	K1005359-001D
Batch QC1S	K1005359-001S
Batch QC2D	K1005448-001D
Batch QC2S	K1005448-001S
Batch QC3D	K1005509-002D
Batch QC3S	K1005509-002S

Comments:

Approved By: SC

Date: 6/18/10

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Exponent Service Request: K1005244
Project No.: 0907194.000.0601 Date Collected: 05/18/10
Project Name: Heglar - Kronquist Date Received: 05/21/10
Matrix: MISC. SOLID Units: mg/Kg
Basis: DRY

Sample Name: D-1-13 Lab Code: K1005244-001

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	12.5	7.5	2.0	06/16/10	06/17/10	219000		
Potassium	6010B	249	6.2	2.0	06/16/10	06/17/10	178	J	
Sodium	6010B	24.9	5.0	2.0	06/16/10	06/17/10	192		

% Solids: 66.9

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Exponent Service Request: K1005244
Project No.: 0907194.000.0601 Date Collected: 05/19/10
Project Name: Heglar - Kronquist Date Received: 05/21/10
Matrix: MISC. SOLID Units: mg/Kg
Basis: DRY

Sample Name: D-3-21 Lab Code: K1005244-002

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	11.0	6.6	2.0	06/16/10	06/17/10	74000		
Potassium	6010B	11000	275	100.0	06/16/10	06/17/10	117000		
Sodium	6010B	1100	220	100.0	06/16/10	06/17/10	158000		

% Solids: 89.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Exponent Service Request: K1005244
 Project No.: 0907194.000.0601 Date Collected: 05/19/10
 Project Name: Heglar - Kronquist Date Received: 05/21/10
 Matrix: MISC. SOLID Units: mg/Kg
 Basis: DRY

Sample Name: D-4-16 Lab Code: K1005244-003

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	10.8	0.4	2.0	06/04/10	06/12/10	57700		
Antimony	6020	0.054	0.010	5.0	06/04/10	06/10/10	0.466		
Arsenic	6020	0.54	0.05	5.0	06/04/10	06/08/10	0.43	J	
Barium	6010B	2.16	0.07	2.0	06/04/10	06/12/10	14.8		
Beryllium	6020	0.022	0.003	5.0	06/04/10	06/08/10	0.283		
Cadmium	6020	0.022	0.004	5.0	06/04/10	06/08/10	0.012	J	
Calcium	6010B	10.8	2.2	2.0	06/04/10	06/12/10	3130		
Chromium	6020	0.22	0.02	5.0	06/04/10	06/08/10	45.8		
Cobalt	6020	0.022	0.001	5.0	06/04/10	06/08/10	0.507		
Copper	6020	0.11	0.09	5.0	06/04/10	06/08/10	266		
Iron	6010B	4.3	0.8	2.0	06/04/10	06/12/10	1310		
Lead	6020	0.054	0.006	5.0	06/04/10	06/08/10	2.760		
Magnesium	6010B	4.3	0.3	2.0	06/04/10	06/12/10	8710		
Manganese	6010B	2.16	0.02	2.0	06/04/10	06/12/10	393		
Mercury	7471A	0.019	0.002	1.0	06/10/10	06/14/10	0.002	U	
Nickel	6020	0.22	0.02	5.0	06/04/10	06/08/10	4.27		
Potassium	6010B	87	22	2.0	06/04/10	06/12/10	113000		
Selenium	6020	1.1	0.2	5.0	06/04/10	06/08/10	0.2	U	
Silver	6020	0.022	0.009	5.0	06/04/10	06/10/10	0.016	J	
Sodium	6010B	43	4.3	2.0	06/04/10	06/12/10	159000		
Thallium	6020	0.022	0.003	5.0	06/04/10	06/08/10	0.016	J	
Vanadium	6020	0.22	0.02	5.0	06/04/10	06/08/10	30.1		
Zinc	6020	0.5	0.2	5.0	06/04/10	06/08/10	188		

% Solids: 90.7

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Exponent Service Request: K1005244
Project No.: 0907194.000.0601 Date Collected: 05/19/10
Project Name: Heglar - Kronquist Date Received: 05/21/10
Matrix: MISC. SOLID Units: mg/Kg
Basis: DRY

Sample Name: D-4-36 Lab Code: K1005244-004

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	10.4	6.2	2.0	06/16/10	06/17/10	80300		
Potassium	6010B	10400	259	100.0	06/16/10	06/17/10	117000		
Sodium	6010B	1040	208	100.0	06/16/10	06/17/10	134000		

% Solids: 95.4

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Exponent Service Request: K1005244
Project No.: 0907194.000.0601 Date Collected:
Project Name: Heglar - Kronquist Date Received:
Matrix: MISC. SOLID Units: mg/Kg
Basis: DRY

Sample Name: Method Blank Lab Code: K1005244-MB1

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	10.0	6.0	2.0	06/16/10	06/17/10	6.2	J	
Potassium	6010B	200	5.0	2.0	06/16/10	06/17/10	5.0	U	
Sodium	6010B	20.0	4.0	2.0	06/16/10	06/17/10	4.0	U	

% Solids: 100.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Exponent Service Request: K1005244
 Project No.: 0907194.000.0601 Date Collected:
 Project Name: Heglar - Kronquist Date Received:
 Matrix: MISC. SOLID Units: mg/Kg
 Basis: DRY

Sample Name: Method Blank Lab Code: K1005244-MB2

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	6010B	10.0	0.4	2.0	06/04/10	06/12/10	0.4	U	
Antimony	6020	0.050	0.009	5.0	06/04/10	06/10/10	0.009	U	
Arsenic	6020	0.50	0.05	5.0	06/04/10	06/08/10	0.05	U	
Barium	6010B	2.00	0.06	2.0	06/04/10	06/12/10	0.06	J	
Beryllium	6020	0.020	0.003	5.0	06/04/10	06/08/10	0.003	J	
Cadmium	6020	0.020	0.004	5.0	06/04/10	06/08/10	0.004	U	
Calcium	6010B	10.0	2.0	2.0	06/04/10	06/12/10	2.0	U	
Chromium	6020	0.20	0.02	5.0	06/04/10	06/08/10	0.09	J	
Cobalt	6020	0.020	0.001	5.0	06/04/10	06/08/10	0.009	J	
Copper	6020	0.10	0.08	5.0	06/04/10	06/08/10	0.08	U	
Iron	6010B	4.0	0.7	2.0	06/04/10	06/12/10	0.7	U	
Lead	6020	0.050	0.006	5.0	06/04/10	06/08/10	0.007	J	
Magnesium	6010B	4.0	0.3	2.0	06/04/10	06/12/10	0.3	J	
Manganese	6010B	2.00	0.02	2.0	06/04/10	06/12/10	0.02	J	
Mercury	7471A	0.020	0.002	1.0	06/10/10	06/14/10	0.002	U	
Nickel	6020	0.20	0.02	5.0	06/04/10	06/08/10	0.05	J	
Potassium	6010B	80	20	2.0	06/04/10	06/12/10	20	U	
Selenium	6020	1.0	0.2	5.0	06/04/10	06/08/10	0.2	U	
Silver	6020	0.020	0.008	5.0	06/04/10	06/10/10	0.008	U	
Sodium	6010B	40	4.0	2.0	06/04/10	06/12/10	4.0	U	
Thallium	6020	0.020	0.003	5.0	06/04/10	06/08/10	0.003	U	
Vanadium	6020	0.20	0.02	5.0	06/04/10	06/08/10	0.02	U	
Zinc	6020	0.5	0.2	5.0	06/04/10	06/08/10	0.2	U	

% Solids: 100.0

Comments:

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	5000	4860	97	10000	9883	99	9972	100	6010B
Antimony	25.0	24.6	98	25.0	25.3	101	25.1	100	6020
Arsenic	25.0	25.9	104	25.0	24.8	99	23.8	95	6020
Barium	5000	5187	104	10000	10350	104	10190	102	6010B
Beryllium	2.5	2.7	108	25.0	25.6	102	25.4	102	6020
Cadmium	12.5	13.1	105	25.0	25.3	101	25.1	100	6020
Calcium	12500	12950	104	10000	10200	102	9927	99	6010B
Chromium	10.0	10.5	105	25.0	25.4	102	24.1	96	6020
Cobalt	25.0	25.8	103	25.0	25.1	100	23.7	95	6020
Copper	12.5	13.1	105	25.0	25.2	101	23.8	95	6020
Iron	2500	2615	105	10000	10240	102	9984	100	6010B
Lead	25.0	25.5	102	25.0	24.7	99	24.8	99	6020
Magnesium	12500	12460	100	10000	10160	102	10330	103	6010B
Magnesium	12500	12870	103	10000	10250	102	9967	100	6010B
Manganese	1250	1270	102	250	246	98	258	103	6010B
Mercury	5.00	5.15	103	5.00	4.93	99	5.19	104	7471A
Nickel	25.0	25.7	103	25.0	24.8	99	23.7	95	6020
Potassium	12500	12580	101	10000	10050	100	10680	107	6010B
Selenium	25.0	26.1	104	25.0	24.9	100	24.2	97	6020
Silver	12.5	13.2	106	25.0	25.2	101	24.9	100	6020
Sodium	12500	12350	99	10000	10120	101	10380	104	6010B
Thallium	25.0	25.6	102	25.0	24.6	98	24.7	99	6020
Vanadium	25.0	26.8	107	25.0	24.9	100	24.1	96	6020
Zinc	25.0	27.5	110	25.0	25.4	102	24.7	99	6020

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000	9999	100			6010B
Antimony				25.0	25.0	100	25.2	101	6020
Arsenic				25.0	25.1	100	24.8	99	6020
Barium				10000	10030	100			6010B
Beryllium				25.0	26.5	106	26.6	106	6020
Cadmium				25.0	25.0	100	25.3	101	6020
Calcium				10000	9792	98			6010B
Chromium				25.0	24.7	99	24.5	98	6020
Cobalt				25.0	24.7	99	24.1	96	6020
Copper				25.0	24.8	99	24.5	98	6020
Iron				10000	9864	99			6010B
Lead				25.0	24.8	99	23.9	96	6020
Magnesium				10000	10270	103			6010B
Magnesium				10000	9969	100			6010B
Manganese				250	256	102			6010B
Mercury				5.00	5.02	100	4.89	98	7471A
Nickel				25.0	24.8	99	24.5	98	6020
Potassium				10000	10280	103			6010B
Selenium				25.0	25.0	100	24.6	98	6020
Silver				25.0	25.0	100	25.0	100	6020
Sodium				10000	10320	103			6010B
Thallium				25.0	25.0	100	23.9	96	6020
Vanadium				25.0	25.1	100	24.4	98	6020
Zinc				25.0	24.6	98	24.5	98	6020

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				25.0	23.8	95			6020
Beryllium				25.0	26.5	106			6020
Cadmium				25.0	24.4	98			6020
Chromium				25.0	24.8	99			6020
Cobalt				25.0	24.0	96			6020
Copper				25.0	23.9	96			6020
Lead				25.0	24.3	97			6020
Nickel				25.0	23.7	95			6020
Selenium				25.0	24.1	96			6020
Thallium				25.0	24.3	97			6020
Vanadium				25.0	24.6	98			6020
Zinc				25.0	23.8	95			6020

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	5000	5084	102	5000	5007	100	5148	103	6010B
Potassium	12500	12510	100	10000	9912	99	9925	99	6010B
Sodium	12500	12313	99	10000	9725	97	9755	98	6010B

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				5000	5048	101	5069	101	6010B
Potassium				10000	9941	99	10028	100	6010B
Sodium				10000	9743	97	9773	98	6010B

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglär - Kronquist

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				5000	5039	101	5004	100	6010B
Potassium				10000	9898	99	9927	99	6010B
Sodium				10000	9637	96	9812	98	6010B

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				5000	5035	101	5004	100	6010B
Potassium				10000	9934	99	9810	98	6010B
Sodium				10000	9810	98	9775	98	6010B

Metals

- 2b -

CRDL STANDARD FOR AA AND ICP

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial			Final	
				True	Found	%R	Found	%R
Aluminum				50.0	44.0	88		
Antimony				0.10	0.11	110		
Arsenic				0.50	0.47	94		
Barium				5.0	4.9	98		
Beryllium				0.020	0.029	145		
Cadmium				0.02	0.019	95		
Calcium				50.0	45.1	90		
Chromium				0.2	0.20	100		
Cobalt				0.02	0.02	100		
Copper				0.1	0.11	110		
Iron				20.0	17.2	86		
Lead				0.02	0.02	100		
Magnesium				20.0	20.7	104		
Manganese				5.0	4.7	94		
Mercury	0.20	0.18	90					
Nickel				0.2	0.22	110		
Potassium				400.0	427.6	107		
Selenium				1.0	0.86	86		
Silver				0.040	0.045	112		
Sodium				200.0	188.8	94		
Thallium				0.02	0.022	110		
Vanadium				0.2	0.21	105		
Zinc				0.5	0.51	102		

Metals

- 2b -

CRDL STANDARD FOR AA AND ICP

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial			Final	
				True	Found	%R	Found	%R
Aluminum				50.0	61.6	123		
Potassium				400.0	408.1	102		
Sodium				200.0	207.5	104		

Metals

-3-

BLANKS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Concentration Units: ug/L

Analyte	Initial Calib. Blank		Continuing Calibration Blank						Method
		C	1	C	2	C	3	C	
Aluminum	-2.0	J	2.0	U	2.0	U	2.0	U	6010B
Antimony	0.018	U	0.018	U	0.018	U	-0.023	J	6020
Arsenic	0.1	U	0.1	U	0.1	U	0.1	U	6020
Barium	0.30	U	0.30	J	0.40	J	0.30	U	6010B
Beryllium	0.006	U	0.006	U	0.006	U	0.012	J	6020
Cadmium	0.008	U	0.008	U	0.008	U	0.008	U	6020
Calcium	10.0	U	10.0	U	10.0	U	10.0	U	6010B
Chromium	-0.03	J	0.03	U	-0.06	J	0.03	U	6020
Cobalt	0.002	U	0.002	J	0.002	U	0.017	J	6020
Copper	0.16	U	0.16	U	0.16	U	0.16	U	6020
Iron	4.0	U	4.0	U	4.0	U	4.0	U	6010B
Lead	0.012	U	0.012	U	0.012	U	0.012	U	6020
Magnesium	2.0	J	2.0	U	2.0	U	3.0	J	6010B
Manganese	0.10	J	0.20	J	0.10	J	0.10	J	6010B
Mercury	0.020	U	0.020	U	0.020	U	0.020	U	7471A
Nickel	0.04	U	0.04	U	0.04	U	0.04	U	6020
Potassium	100	U	100	U	140	J	100	U	6010B
Selenium	0.4	U	0.4	U	0.4	U	0.4	U	6020
Silver	0.016	U	0.016	U	0.016	U	0.016	U	6020
Sodium	20.0	U	20.0	U	20.0	U	20.0	U	6010B
Thallium	0.006	U	0.006	U	0.006	U	0.007	J	6020
Vanadium	0.04	U	0.04	U	0.04	U	0.04	U	6020
Zinc	0.40	U	0.40	U	0.40	U	0.40	U	6020

Metals

- 3 -

BLANKS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Concentration Units: ug/L

Analyte	Initial Calib. Blank	Continuing Calibration Blank						Method	
		C	1	C	2	C	3		C
Antimony			-0.028	J					6020
Arsenic			0.1	U	0.1	U			6020
Beryllium			0.007	J	0.006	U			6020
Cadmium			0.008	U	0.008	U			6020
Chromium			0.04	J	0.03	U			6020
Cobalt			0.018	J	0.017	J			6020
Copper			0.16	U	0.16	U			6020
Lead			0.012	U	0.012	U			6020
Mercury			0.020	U					7471A
Nickel			0.04	U	0.04	U			6020
Selenium			0.4	U	0.4	U			6020
Silver			0.016	U					6020
Thallium			0.006	U	0.006	U			6020
Vanadium			0.04	U	0.04	U			6020
Zinc			0.40	U	0.40	U			6020

Metals

- 3 -

BLANKS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Concentration Units: ug/L

Analyte	Initial Calib. Blank		Continuing Calibration Blank						Method
	C	U	1	C	2	C	3	C	
Aluminum	30	U	30	U	30	U	30	U	6010B
Potassium	25.0	U	25.0	U	25.0	U	25.0	U	6010B
Sodium	20	U	20	U	20	U	20	U	6010B

Metals

- 3 -

BLANKS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Concentration Units: ug/L

Analyte	Initial Calib. Blank	Continuing Calibration Blank						Method	
		C	1	C	2	C	3		C
Aluminum			30	U	30	U	30	U	6010B
Potassium			25.0	U	28.9	J	25.0	U	6010B
Sodium			20	U	20	U	20	U	6010B

Metals

- 3 -

BLANKS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Concentration Units: ug/L

Analyte	Initial Calib. Blank	Continuing Calibration Blank						Method
		C	1	C	2	C	3	
Aluminum			30	U	30	U		6010B
Potassium			25.0	U	25.0	U		6010B
Sodium			20	U	20	U		6010B

Metals

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglär - Kronquist

ICP ID Number: K-ICP-AES-03

ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Aluminum	500000	500000	460300	472700	95			
Barium		500	0	517	103			
Calcium	500000	500000	478100	478000	96			
Iron	200000	200000	183300	182900	91			
Magnesium	500000	500000	521300	524000	105			
Manganese		500	17	483	97			
Potassium			-73	-103				

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Metals

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-MS-02

ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Antimony	0.0		0.1	0.1				
Arsenic	0.0	25.0	0.0	26.2	105			
Beryllium	0.0		0.0	0.0				
Cadmium	0.0	25.0	0.1	24.8	99			
Chromium	0.0	50.0	0.4	50.6	101			
Cobalt	0.0	50.0	0.8	50.0	100			
Copper	0.0	50.0	0.5	45.8	92			
Lead	0.0		0.1	0.2				
Nickel	0.0	50.0	1.6	49.3	99			
Selenium	0.0	25.0	-0.1	26.0	104			
Silver	0.0	12.5	0.1	13.0	104			
Thallium	0.0		0.0	0.0				
Vanadium	0.0	50.0	0.0	50.2	100			
Zinc	0.0	25.0	1.7	28.6	114			

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Metals

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-02

ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Aluminum	500000	500000	503551	505831.0	101.2			
Potassium			-21	-64.3				
Sodium			96	44.9				

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: Exponent Service Request: K1005244
 Project No.: 0907194.000.0601 Units: MG/KG
 Project Name: Heglar - Kronquist Basis: DRY
 Matrix: MISC. SOLID % Solids: 66.9

Sample Name: D-1-13S

Lab Code: K1005244-001S

Analyte	Control Limit %R	Spike Result C	Sample Result C	Spike Added	%R	Q	Method
Aluminum		216000	219000	498.26	-602.1		6010B

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Units: MG/KG

Project Name: Heglar - Kronquist

Basis: DRY

Matrix: SEDIMENT

% Solids: 57.0

Sample Name: Batch QC1S

Lab Code: K1005359-001S

Analyte	Control Limit %R	Spike Result C	Sample Result C	Spike Added	%R	Q	Method
Mercury	60 - 135	0.491	0.056	0.50	87.0		7471A

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: Exponent Service Request: K1005244
 Project No.: 0907194.000.0601 Units: MG/KG
 Project Name: Heglar - Kronquist Basis: DRY
 Matrix: SLUDGE % Solids: 14.2

Sample Name: Batch QC2S

Lab Code: K1005448-001S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	57 - 133	249		4.81		233.96	104.4		6020
Beryllium	64 - 133	27.8		0.143		23.40	118.2		6020
Cadmium	68 - 137	27.7		2.110		23.40	109.4		6020
Chromium	34 - 175	109		17.5		93.58	97.8		6020
Cobalt	74 - 118	241		8.190		233.96	99.5		6020
Copper		885		706		116.98	153.0		6020
Lead	27 - 178	275		30.1		233.96	104.7		6020
Nickel	59 - 132	269		37.9		233.96	98.8		6020
Selenium	65 - 125	255		8.0		233.96	105.6		6020
Thallium	70 - 128	251		0.103		233.96	107.2		6020
Vanadium	59 - 142	272		28.3		233.96	104.2		6020
Zinc		1410		996		233.96	177.0		6020

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Units: MG/KG

Project Name: Heglar - Kronquist

Basis: DRY

Matrix: SEDIMENT

% Solids: 63.1

Sample Name: Batch QC3S

Lab Code: K1005509-002S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Aluminum		19100		19100		446.42	0.0		6010B
Antimony	10 - 103	35.4		0.048	J	111.60	31.7		6020
Barium	60 - 139	520		81.8		446.42	98.2		6010B
Manganese	28 - 181	488		410		111.60	69.9		6010B
Silver	62 - 131	11.5		0.107		11.16	102.1		6020

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5B -

POST SPIKE SAMPLE RECOVERY

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Units: UG/L

Project Name: Heglar - Kronquist

Basis: DRY

Matrix: WATER

Sample Name: Batch QC1A

Lab Code: K1005359-001A

Analyte	Control Limit %R	Spike Result C	Sample Result C	Spike Added	%R	Q	Method
Mercury	85 - 115	5.700	0.570	5.0	103		7471A

Metals

- 5B -

POST SPIKE SAMPLE RECOVERY

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Units: UG/L

Project Name: Heglar - Kronquist

Basis: DRY

Matrix: WATER

Sample Name: Batch QC2A

Lab Code: K1005509-002A

Analyte	Control Limit %R	Spike Result C	Sample Result C	Spike Added	%R	Q	Method
Antimony	75 - 125	49.68	0.09 J	50.0	99		6020
Arsenic	75 - 125	57.5	11.6	50.0	92		6020
Beryllium	75 - 125	45.940	0.664	50.0	91		6020
Cadmium	75 - 125	47.470	0.229	50.0	94		6020
Chromium	75 - 125	162.00	121.90	50.0	80		6020
Cobalt	75 - 125	71.460	21.550	50.0	100		6020
Copper	75 - 125	87.85	45.49	50.0	85		6020
Lead	75 - 125	63.99	14.69	50.0	99		6020
Nickel	75 - 125	192.50	154.90	50.0	75		6020
Selenium	75 - 125	47.3	1.0 J	50.0	93		6020
Silver	75 - 125	9.971	0.190	10.0	98		6020
Thallium	75 - 125	52.210	0.170	50.0	104		6020
Vanadium	75 - 125	115.00	70.99	50.0	88		6020
Zinc	75 - 125	150.80	109.80	50.0	82		6020

Metals

- 6 -

DUPLICATES

Client: Exponent Service Request: K1005244
 Project No.: 0907194.000.0601 Units: MG/KG
 Project Name: Heglar - Kronquist Basis: DRY
 Matrix: MISC. SOLID % Solids: 66.9

Sample Name: D-1-13D

Lab Code: K1005244-001D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	30	219000		202000		8.1		6010B
Potassium		178	J	176	J	1.1		6010B
Sodium	30	192		167		13.9		6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

- 6 -

DUPLICATES

Client: Exponent Service Request: K1005244
 Project No.: 0907194.000.0601 Units: MG/KG
 Project Name: Heglar - Kronquist Basis: DRY
 Matrix: SEDIMENT % Solids: 57.0

Sample Name: Batch QC1D

Lab Code: K1005359-001D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury		0.056		0.059		5.2		7471A

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

- 6 -

DUPLICATES

Client: Exponent Service Request: K1005244
 Project No.: 0907194.000.0601 Units: MG/KG
 Project Name: Heglar - Kronquist Basis: DRY
 Matrix: SLUDGE % Solids: 14.2

Sample Name: Batch QC2D

Lab Code: K1005448-001D

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic		4.81	4.59	4.7		6020
Beryllium		0.143	0.137	4.3		6020
Cadmium	20	2.110	2.090	1.0		6020
Chromium	20	17.5	17.4	0.6		6020
Cobalt	20	8.190	7.070	14.7		6020
Copper	20	706	703	0.4		6020
Lead	20	30.1	32.1	6.4		6020
Nickel	20	37.9	36.1	4.9		6020
Selenium		8.0	7.5	6.5		6020
Thallium		0.103	0.104	1.0		6020
Vanadium	20	28.3	27.1	4.3		6020
Zinc	20	996	1000	0.4		6020

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

- 6 -

DUPLICATES

Client: Exponent Service Request: K1005244
 Project No.: 0907194.000.0601 Units: MG/KG
 Project Name: Heglar - Kronquist Basis: DRY
 Matrix: SEDIMENT % Solids: 63.1

Sample Name: Batch QC3D

Lab Code: K1005509-002D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	30	19100		18600		2.7		6010B
Antimony		0.048	J	0.039	J	20.7		6020
Barium	30	81.8		72.3		12.3		6010B
Calcium	30	5570		5400		3.1		6010B
Iron	30	32800		30200		8.3		6010B
Magnesium	30	17400		17200		1.2		6010B
Manganese	30	410		380		7.6		6010B
Potassium	30	2320		2260		2.6		6010B
Silver		0.107		0.104		2.8		6020
Sodium	30	7870		7870		0.0		6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Aqueous LCS Source:

Solid LCS Source: ERA D065540

Analyte	Aqueous: ug/L			Solid: mg/kg				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum				10500	9280		41 158	88.4
Antimony				105	84.0		50 150	80.0
Arsenic				88.3	85.3		78 122	96.6
Barium				432	433		81 119	100.2
Beryllium				58.2	63.1		83 117	108.4
Cadmium				91	96.1		81 119	105.6
Calcium				9630	9660		79 121	100.3
Chromium				144	140		80 119	97.2
Cobalt				190	191		82 118	100.5
Copper				237	230		83 116	97.0
Iron				18900	16400		50 149	86.8
Lead				104	105		79 121	101.0
Magnesium				4040	4160		73 127	103.0
Manganese				497	469		81 119	94.4
Mercury				6.8	6.900		71 128	101.5
Nickel				200	201		81 118	100.5
Potassium				4340	4370		73 126	100.7
Selenium				192	181		80 120	94.3
Silver				76.4	81.2		66 134	106.3
Sodium				735	721		74 126	98.1
Thallium				247	249		79 120	100.8
Vanadium				180	167		79 121	92.8
Zinc				292	261		73 121	89.4

Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Aqueous LCS Source:

Solid LCS Source: ERA D065540

Analyte	Aqueous: ug/L			Solid: mg/kg				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum				10500	8090		41 158	77.0
Potassium				4340	4140		73 126	95.4
Sodium				735	704		74 126	95.8

Metals

- 9 -

ICP SERIAL DILUTIONS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Units: UG/L

Project Name: Heglar - Kronquist

Sample Name: D-1-13L

Lab Code: K1005244-001L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Aluminum	878404.90	883905.80	0.6		P
Potassium	716.19 J	719.05 J	0.4		P
Sodium	769.05	817.00	6.2		P

Metals

- 9 -

ICP SERIAL DILUTIONS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Units: UG/L

Project Name: Heglar - Kronquist

Sample Name: D-4-16L

Lab Code: K1005244-003L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Aluminum	267000.0	274200.0	2.7		P
Barium	68.5	69.5	1.5		P
Calcium	14460.0	14580.0	0.8		P
Iron	6064.0	6100.0	0.6		P
Magnesium	40300.0	41145.0	2.1		P
Manganese	1819.00	1858.50	2.2		P
Potassium	522900.0	539000.0	3.1		P
Sodium	734000.0	813500.0	10.8	E	P

Metals

- 9 -

ICP SERIAL DILUTIONS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Units: UG/L

Project Name: Heglar - Kronquist

Sample Name: Batch QC2L

Lab Code: K1005509-002L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Antimony	0.085	J	0.090	U	100.0		MS
Arsenic	11.6		13.0		12		MS
Beryllium	0.664		0.834		26		MS
Cadmium	0.229		0.298		30		MS
Chromium	121.90		131.40		8		MS
Cobalt	21.550		23.415		9		MS
Copper	45.49		51.05		12	E	MS
Lead	14.690		15.585		6		MS
Nickel	154.90		170.85		10		MS
Selenium	1.0	J	2.0	U	100.0		MS
Silver	0.190		0.189	J	1		MS
Thallium	0.170		0.256		51		MS
Vanadium	70.99		76.45		8		MS
Zinc	109.8		131.2		19	E	MS

Metals
- 10 -
DETECTION LIMITS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP/ICP-MS ID #: K-ICP-MS-02

GFAA ID #:

AA ID #:

Analyte	Isotope	Back-ground	MRL ug/L	MDL ug/L	M
Antimony	123		0.10	0.02	MS
Arsenic	75		1.0	0.1	MS
Beryllium	9		0.040	0.006	MS
Cadmium	111		0.040	0.008	MS
Chromium	52		0.40	0.03	MS
Cobalt	59		0.040	0.002	MS
Copper	65		0.20	0.16	MS
Lead	208		0.10	0.01	MS
Nickel	60		0.40	0.04	MS
Selenium	82		2.0	0.4	MS
Silver	109		0.040	0.016	MS
Thallium	205		0.040	0.006	MS
Vanadium	51		0.40	0.04	MS
Zinc	66		1.00	0.40	MS

Comments:

Metals

- 10 -

DETECTION LIMITS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP/ICP-MS ID #:

GFAA ID #:

AA ID #:

Analyte	Wave-length (nm)	Back-ground	MRL ug/L	MDL ug/L	M
Aluminum	394.4		50.0	2.0	P
Barium	455.4		10.0	0.30	P
Calcium	315.8		50.0	10.0	P
Iron	259.9		20.0	3.5	P
Magnesium	285.2		20.0	1.5	P
Manganese	257.6		10.00	0.10	P
Potassium	766.5		400.0	100	P
Sodium	589.5		200	20.0	P

Comments:

Metals

- 10 -

DETECTION LIMITS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP/ICP-MS ID #: K-ICP-AES-02

GFAA ID #:

AA ID #:

Analyte	Wave-length (nm)	Back-ground	MRL ug/L	MDL ug/L	M
Aluminum	237.3		50	30.0	P
Potassium	766.49		1000	25.0	P
Sodium	330.23		100	20.0	P

Comments:

Metals

- 10 -

DETECTION LIMITS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP/ICP-MS ID #:

GFAA ID #:

AA ID #: K-CVAA-01

Analyte	Wave-length (nm)	Back-ground	MRL ug/L	MDL ug/L	M
Mercury	253.70		0.20	0.020	CV

Comments:

Metals

- 11A -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-02

Molybdenum	202.03	-0.0000100	0.0000000	-0.0000100	-0.0000100	0.0000000
Nickel	231.604	0.0000000	0.0000000	-0.0000700	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	-0.0000700	0.0000000	0.0000000
Phosphorus	214.9	-0.0002000	0.0000000	0.0004400	0.0000000	0.0000000
Phosphorus	214.9	-0.0002000	0.0000000	0.0004400	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0000600	0.0000000	-0.0000600	0.0000000	0.0000000
Selenium	196.026	-0.0000600	0.0000000	-0.0000600	0.0000000	0.0000000
Silicon	228.158	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	228.158	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0001100	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0001100	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	-0.0001900	-0.0000900	0.0000000
Thallium	190.864	0.0000000	0.0000000	-0.0001900	-0.0000900	0.0000000
Tin	189.989	0.0000000	0.0000000	-0.0000400	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	-0.0000400	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	-0.0000100	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	-0.0000100	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-02

Molybdenum	202.03	-0.0001200	0.0000000	0.0000000	-0.0000900	0.0000000
Nickel	231.604	0.0000700	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000700	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	214.9	0.0000000	0.0010100	-0.0810500	0.0000000	0.0038000
Phosphorus	214.9	0.0000000	0.0010100	-0.0810500	0.0000000	0.0038000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0003600	-0.0003700	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0003600	-0.0003700	0.0000000	0.0000000	0.0000000
Silicon	228.158	0.0000000	0.0000000	0.0000000	-0.0026300	0.0090100
Silicon	228.158	0.0000000	0.0000000	0.0000000	-0.0026300	0.0090100
Silver	328.068	0.0000000	0.0000800	0.0000000	0.0000000	-0.0005600
Silver	328.068	0.0000000	0.0000800	0.0000000	0.0000000	-0.0005600
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0073700	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0073700	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	-0.0002500	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	-0.0002500	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0000900	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0000900	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	-0.0012600	0.0000000	0.0000000	-0.0001000
Zinc	213.856	0.0000000	-0.0012600	0.0000000	0.0000000	-0.0001000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-02

Molybdenum	202.03	-0.0000500	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	214.9	0.0000000	0.0000000	0.0000000	-0.0020400
Phosphorus	214.9	0.0000000	0.0000000	0.0000000	-0.0020400
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0007900	0.0000000	0.0000000	0.0004900
Selenium	196.026	-0.0007900	0.0000000	0.0000000	0.0004900
Silicon	228.158	0.0000000	0.0000000	0.0753200	0.0000000
Silicon	228.158	0.0000000	0.0000000	0.0753200	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0007300	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0007300	0.0000000
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	-0.0015400	0.0000000
Thallium	190.864	0.0000000	0.0000000	-0.0015400	0.0000000
Tin	189.989	0.0000000	0.0000000	-0.0015800	0.0000000
Tin	189.989	0.0000000	0.0000000	-0.0015800	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

Metals

- 11A -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-02

Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	221.647	0.0000060	0.0000000	0.0000130	0.0000000	0.0000000
Nickel	221.647	0.0000060	0.0000000	0.0000130	0.0000000	0.0000000
Phosphorus	214.914	-0.0008250	0.0000000	0.0009490	0.0000000	0.0000000
Phosphorus	214.914	-0.0008250	0.0000000	0.0009490	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	251.611	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	251.611	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0016260
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0016260
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	336.121	0.0000000	0.0000000	0.0000000	0.0000000	0.0000280
Titanium	336.121	0.0000000	0.0000000	0.0000000	0.0000000	0.0000280
Vanadium	292.402	0.0000000	0.0000000	0.0000220	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000220	0.0000000	0.0000000
Zinc	206.2	0.0000000	0.0000000	-0.0000570	0.0000000	0.0000000
Zinc	206.2	0.0000000	0.0000000	-0.0000570	0.0000000	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-02

Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000490	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000490	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	221.647	-0.0002770	0.0000000	0.0000000	0.0000000	0.0002490
Nickel	221.647	-0.0002770	0.0000000	0.0000000	0.0000000	0.0002490
Phosphorus	214.914	0.0000000	-0.0011200	0.0084760	0.0000000	0.0000000
Phosphorus	214.914	0.0000000	-0.0011200	0.0084760	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0010370	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0010370	0.0000000	0.0000000	0.0000000
Silicon	251.611	0.0000000	0.0000000	0.0078910	0.0000000	0.0000000
Silicon	251.611	0.0000000	0.0000000	0.0078910	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0002230	0.0007110	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0002230	0.0007110	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	336.121	0.0000000	0.0000000	0.0000380	0.0001210	0.0000000
Titanium	336.121	0.0000000	0.0000000	0.0000380	0.0001210	0.0000000
Vanadium	292.402	0.0000000	0.0000000	-0.0078980	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	-0.0078980	0.0000000	0.0000000
Zinc	206.2	-0.0001370	0.0000000	0.0005030	0.0000000	0.0000000
Zinc	206.2	-0.0001370	0.0000000	0.0005030	0.0000000	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-02

Manganese	257.61	0.0000000	0.0000000		
Molybdenum	202.03	0.0000000	0.0000000		
Molybdenum	202.03	0.0000000	0.0000000		
Nickel	221.647	-0.0006910	0.0000000		
Nickel	221.647	-0.0006910	0.0000000		
Phosphorus	214.914	0.0000000	-0.0043120		
Phosphorus	214.914	0.0000000	-0.0043120		
Potassium	766.491	0.0000000	0.0000000		
Potassium	766.491	0.0000000	0.0000000		
Selenium	196.0	0.0000000	0.0000000		
Selenium	196.0	0.0000000	0.0000000		
Silicon	251.611	0.0000000	0.0000000		
Silicon	251.611	0.0000000	0.0000000		
Silver	328.068	-0.0001050	0.0000730		
Silver	328.068	-0.0001050	0.0000730		
Sodium	589.592	0.0000000	0.0000000		
Sodium	589.592	0.0000000	0.0000000		
Strontium	407.771	0.0000000	0.0000000		
Strontium	407.771	0.0000000	0.0000000		
Thallium	190.856	-0.0008150	-0.0087710		
Thallium	190.856	-0.0008150	-0.0087710		
Tin	189.989	-0.0012350	0.0000000		
Tin	189.989	-0.0012350	0.0000000		
Titanium	336.121	0.0000000	0.0000000		
Titanium	336.121	0.0000000	0.0000000		
Vanadium	292.402	0.0003520	0.0000000		
Vanadium	292.402	0.0003520	0.0000000		
Zinc	206.2	0.0000000	0.0000000		
Zinc	206.2	0.0000000	0.0000000		

Comments:

Metals

- 11A -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	As
Aluminum	308.215	0.0000000	0.0000000	-0.0004100	0.0000000	0.0000000
Aluminum	308.215	0.0000000	0.0000000	-0.0004100	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	-0.0001100	-0.0000900	0.0000000
Arsenic	189.042	0.0000000	0.0000000	-0.0001100	-0.0000900	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	-0.0005800	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	-0.0005800	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000900	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000900	0.0000000	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000200	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000200	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	-0.0000200	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	-0.0000200	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0001200	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0001200	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	-0.0000100	0.0000000	-0.0000100	-0.0000100	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	Mn	Mo
Aluminum	308.215	-0.0052000	-0.0034300	0.0000000	0.0000000	0.0000000
Aluminum	308.215	-0.0052000	-0.0034300	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0002400	0.0080100	0.0000000	-0.0001500	-0.0184200
Antimony	206.838	0.0002400	0.0080100	0.0000000	-0.0001500	-0.0184200
Arsenic	189.042	0.0000000	0.0004000	0.0000000	0.0000000	0.0005700
Arsenic	189.042	0.0000000	0.0004000	0.0000000	0.0000000	0.0005700
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000800
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000800
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	-0.0001000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	-0.0001000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	-0.0000500	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	-0.0000500	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0006000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0006000
Copper	324.754	0.0000000	-0.0000500	0.0000000	0.0000000	0.0002700
Copper	324.754	0.0000000	-0.0000500	0.0000000	0.0000000	0.0002700
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0003800	-0.0002100	0.0000000	0.0000000	-0.0016500
Lead	220.353	0.0003800	-0.0002100	0.0000000	0.0000000	-0.0016500
Magnesium	202.5	0.3183600	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.3183600	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	-0.0001200	0.0000000	0.0000000	-0.0000900	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:			
		Ni	P	Ti	V
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	-0.0014400
Barium	493.409	0.0000000	0.0000000	0.0000000	-0.0014400
Beryllium	313.042	0.0000000	0.0000000	-0.0000200	0.0016600
Beryllium	313.042	0.0000000	0.0000000	-0.0000200	0.0016600
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	-0.0000900	0.0000000	0.0000500	0.0000000
Cadmium	228.802	-0.0000900	0.0000000	0.0000500	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000200	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000200	0.0000000	0.0000000
Cobalt	228.616	0.0001300	0.0000000	0.0012500	0.0000000
Cobalt	228.616	0.0001300	0.0000000	0.0012500	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	-0.0008400
Copper	324.754	0.0000000	0.0000000	0.0000000	-0.0008400
Iron	271.4	0.0000000	0.0000000	0.0000000	-0.0315100
Iron	271.4	0.0000000	0.0000000	0.0000000	-0.0315100
Lead	220.353	0.0003800	0.0000000	-0.0006200	0.0000000
Lead	220.353	0.0003800	0.0000000	-0.0006200	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	-0.0000500	0.0000000	0.0000000	0.0000000

Comments:

Metals

- 11A -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Co
Aluminum	394.401	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	394.401	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	-0.0000650	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	-0.0000650	0.0000000	0.0000000
Arsenic	189.042	0.0000430	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000430	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000080	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000080	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	-0.0001930	0.0000000	0.0019780
Boron	249.678	0.0000000	0.0000000	-0.0001930	0.0000000	0.0019780
Cadmium	226.502	0.0000000	0.0000000	0.0000910	0.0000000	-0.0001330
Cadmium	226.502	0.0000000	0.0000000	0.0000910	0.0000000	-0.0001330
Calcium	393.366	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	393.366	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000070	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000070	0.0000000
Cobalt	230.786	0.0000000	0.0000000	0.0000140	0.0000000	0.0000000
Cobalt	230.786	0.0000000	0.0000000	0.0000140	0.0000000	0.0000000
Copper	327.396	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	327.396	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000370	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000370	0.0000000	0.0000000	0.0000000	0.0000000
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.213	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.213	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglur - Kronquist

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Mn	Mo	Ni	Si
Aluminum	394.401	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	394.401	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0126720	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0126720	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0005400	0.0000000	0.0004600	0.0000000	0.0000000
Arsenic	189.042	0.0005400	0.0000000	0.0004600	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	-0.0000220	-0.0001550	-0.0000290	0.0000000
Beryllium	234.861	0.0000000	-0.0000220	-0.0001550	-0.0000290	0.0000000
Boron	249.678	0.0002310	0.0000000	-0.0008330	0.0000000	0.0000000
Boron	249.678	0.0002310	0.0000000	-0.0008330	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000360	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000360	0.0000000	0.0000000
Calcium	393.366	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	393.366	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000920	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000920	0.0000000	0.0000000	0.0000000
Cobalt	230.786	-0.0000550	0.0000310	-0.0082200	0.0004230	0.0000000
Cobalt	230.786	-0.0000550	0.0000310	-0.0082200	0.0004230	0.0000000
Copper	327.396	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	327.396	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	-0.0002380	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	-0.0002380	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	-0.0064070	0.0000000	0.0001690
Lead	220.353	0.0000000	0.0000000	-0.0064070	0.0000000	0.0001690
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.213	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.213	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:			
		Ti	V		
Aluminum	394.401	0.0000000	0.0006800		
Aluminum	394.401	0.0000000	0.0006800		
Antimony	206.833	0.0002810	0.0000000		
Antimony	206.833	0.0002810	0.0000000		
Arsenic	189.042	0.0000000	0.0000000		
Arsenic	189.042	0.0000000	0.0000000		
Barium	455.403	0.0000000	0.0000000		
Barium	455.403	0.0000000	0.0000000		
Beryllium	234.861	0.0000000	0.0000000		
Beryllium	234.861	0.0000000	0.0000000		
Boron	249.678	0.0000000	0.0000000		
Boron	249.678	0.0000000	0.0000000		
Cadmium	226.502	0.0000300	0.0000000		
Cadmium	226.502	0.0000300	0.0000000		
Calcium	393.366	0.0000000	0.0000000		
Calcium	393.366	0.0000000	0.0000000		
Chromium	267.716	0.0000000	-0.0000780		
Chromium	267.716	0.0000000	-0.0000780		
Cobalt	230.786	0.0000000	0.0000000		
Cobalt	230.786	0.0000000	0.0000000		
Copper	327.396	0.0000840	-0.0000420		
Copper	327.396	0.0000840	-0.0000420		
Iron	259.94	0.0000000	0.0000000		
Iron	259.94	0.0000000	0.0000000		
Lead	220.353	-0.0005950	0.0000000		
Lead	220.353	-0.0005950	0.0000000		
Lithium	670.784	0.0000000	0.0000000		
Lithium	670.784	0.0000000	0.0000000		
Magnesium	285.213	0.0000000	0.0000000		
Magnesium	285.213	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000		

Comments:

Metals
-12-
ICP LINEAR RANGES (QUARTERLY)

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum	5.000	900000	6010B
Potassium	5.000	450000	6010B
Sodium	5.000	180000	6010B

Comments:

Metals
-12-
ICP LINEAR RANGES (QUARTERLY)

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-AES-03

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum	15.000	900000	6010B
Barium	15.000	45000	6010B
Calcium	15.000	900000	6010B
Iron	15.000	360000	6010B
Magnesium	15.000	540000	6010B
Manganese	15.000	9000	6010B
Potassium	15.000	900000	6010B
Sodium	15.000	900000	6010B

Comments:

Metals
-12-
ICP LINEAR RANGES (QUARTERLY)

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

ICP ID Number: K-ICP-MS-02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony	15.000	900	6020
Arsenic	15.000	900	6020
Beryllium	15.000	450	6020
Cadmium	15.000	900	6020
Chromium	15.000	900	6020
Cobalt	15.000	900	6020
Copper	15.000	900	6020
Lead	15.000	900	6020
Nickel	15.000	900	6020
Selenium	15.000	900	6020
Silver	15.000	270	6020
Thallium	15.000	450	6020
Vanadium	15.000	900	6020
Zinc	15.000	900	6020

Comments:

Metals
-13-
PREPARATION LOG

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Method: P

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1005244-003	06/04/10	1.0200	100.0
K1005244-MB2	06/04/10	1.0000	100.0
K1005509-002D	06/04/10	1.40	100.0
K1005509-002S	06/04/10	1.42	100.0
LCSS2	06/04/10	1.00	100.0

Metals
-13-
PREPARATION LOG

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Method: MS

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1005244-003	06/04/10	1.0200	100.0
K1005244-MB2	06/04/10	1.0000	100.0
K1005448-001D	06/04/10	3.0	100.0
K1005448-001S	06/04/10	3.0	100.0
LCSS2	06/04/10	1.01	100.0

Metals
-13-
PREPARATION LOG

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Method: MS

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1005244-003	06/04/10	1.0200	100.0
K1005244-MB2	06/04/10	1.0000	100.0
K1005509-002D	06/04/10	1.40	100.0
K1005509-002S	06/04/10	1.42	100.0
LCSS2	06/04/10	1.00	100.0

Metals
-13-
PREPARATION LOG

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Method: CV

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1005244-003	06/10/10	0.5810	50.0
K1005244-MB2	06/10/10	0.5000	50.0
K1005359-001D	06/10/10	0.88	50.0
K1005359-001S	06/10/10	0.88	50.0
LCSS2	06/10/10	0.26	50.0

Metals
-13-
PREPARATION LOG

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Method: P

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1005244-001	06/16/10	1.2000	100.0
K1005244-001D	06/16/10	1.2000	100.0
K1005244-001S	06/16/10	1.2000	100.0
K1005244-002	06/16/10	1.0200	100.0
K1005244-004	06/16/10	1.0100	100.0
K1005244-MB1	06/16/10	1.0000	100.0
LCSS1	06/16/10	1.02	100.0

Metals
- 14 -
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Instrument ID Number: K-ICP-MS-02

Method: MS

Start Date: 06/08/10

End Date: 06/08/10

Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
Cal. Blk	1	09:29				X	X	X		X	X	X		X				X	X				X	X	X						
Cal. Stn	1	09:34				X	X	X		X	X	X		X				X	X				X	X	X						
ICV1	1	09:39				X	X	X		X	X	X		X				X	X				X	X	X						
CCV1	1	09:44				X	X	X		X	X	X		X				X	X				X	X	X						
ICB1	1	09:56				X	X	X		X	X	X		X				X	X				X	X	X						
CCB1	1	10:01				X	X	X		X	X	X		X				X	X				X	X	X						
CRA1	1	10:05				X	X	X		X	X	X		X				X	X				X	X	X						
ICS-A1	1	10:10				X	X	X		X	X	X		X				X	X				X	X	X						
ICS-AB1	1	10:15				X	X	X		X	X	X		X				X	X				X	X	X						
ZZZZZZ	1	10:30																													
ZZZZZZ	1	10:35																													
ZZZZZZ	1	10:40																													
ZZZZZZ	1	10:44																													
ZZZZZZ	1	10:49																													
ZZZZZZ	1	10:55																													
ZZZZZZ	1	11:02																													
ZZZZZZ	1	11:08																													
ZZZZZZ	1	11:15																													
ZZZZZZ	1	11:21																													
CCV2	1	11:25				X	X	X		X	X	X		X				X	X				X	X	X						
CCB2	1	11:36				X	X	X		X	X	X		X				X	X				X	X	X						
ZZZZZZ	1	11:41																													
ZZZZZZ	1	11:47																													
ZZZZZZ	1	11:53																													
ZZZZZZ	1	11:59																													
ZZZZZZ	5	12:05																													
ZZZZZZ	1	12:10																													
ZZZZZZ	1	12:26																													
ZZZZZZ	1	12:32																													
ZZZZZZ	1	12:37																													
ZZZZZZ	1	12:42																													
CCV3	1	12:47				X	X	X		X	X	X		X				X	X				X	X	X						

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Instrument ID Number: K-ICP-MS-02

Method: MS

Start Date: 06/08/10

End Date: 06/08/10

Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
CCB3	1	12:54				X	X	X		X	X	X		X				X	X				X	X	X						
ZZZZZ	1	12:58																													
ZZZZZ	1	13:04																													
ZZZZZ	1	13:10																													
ZZZZZ	1	13:15																													
K1005244-MB2	5	13:22				X	X	X		X	X	X		X				X	X				X	X	X						
ZZZZZ	25	13:33																													
LCSS2	100	13:37				X	X	X		X	X	X		X				X	X				X	X	X						
ZZZZZ	5	13:43																													
K1005509-002L	25	13:48				X	X	X		X	X	X		X				X	X				X	X	X						
K1005509-002A	5	14:02				X	X	X		X	X	X		X				X	X				X	X	X						
CCV4	1	14:12				X	X	X		X	X	X		X				X	X				X	X	X						
CCB4	1	14:23				X	X	X		X	X	X		X				X	X				X	X	X						
K1005244-003	5	14:29				X	X	X		X	X	X		X				X	X				X	X	X						
ZZZZZ	5	14:35																													
K1005448-001D	5	14:40				X	X	X		X	X	X		X				X	X				X	X	X						
K1005448-001S	25	14:47				X	X	X		X	X	X		X				X	X				X	X	X						
ZZZZZ	5	14:53																													
ZZZZZ	1	14:59																													
ZZZZZ	1	15:05																													
ZZZZZ	1	15:14																													
ZZZZZ	1	15:19																													
ZZZZZ	5	15:24																													
CCV5	1	15:29				X	X	X		X	X	X		X				X	X				X	X	X						
CCB5	1	15:39				X	X	X		X	X	X		X				X	X				X	X	X						

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglär - Kronquist

Instrument ID Number: K-ICP-MS-02

Method: MS

Start Date: 06/10/10

End Date: 06/10/10

Sample No.	D/F	Time	% R	Analytes																															
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N								
LCSS2	100	18:04			X																							X							
ZZZZZZ	5	18:08																																	
K1005509-002D	5	18:11			X																								X						
K1005509-002L	25	18:15			X																								X						
K1005509-002A	5	18:18			X																								X						
K1005509-002S	25	18:21			X																								X						
K1005244-003	5	18:25			X																								X						
ZZZZZZ	5	18:28																																	
CCV4	1	18:31			X																								X						
CCB4	1	18:35			X																								X						

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Instrument ID Number: K-ICP-AES-03

Method: P

Start Date: 06/12/10

End Date: 06/12/10

Sample No.	D/F	Time	% R	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V L	Z N	C N		
BLK	1	14:12		X		X		X				X	X	X					X		X								
STD A	1	14:16													X														
STD B	1	14:19		X		X		X				X	X						X		X								
ICV1	1	14:23		X		X		X				X	X	X					X		X								
ICV1	1	14:26																											
ICB1	1	14:30		X		X		X				X	X	X					X		X								
CCV1	1	14:32															X												
CCV1	1	14:35		X		X		X				X	X						X		X								
CCB1	1	14:40		X		X		X				X	X	X					X		X								
CRA1	1	14:42		X		X		X				X	X	X					X		X								
CRA1	1	14:45																											
ICS-A1	1	14:48		X		X		X				X	X	X					X										
ICS-AB1	1	14:52		X		X		X				X	X	X					X										
ZZZZZ	1	14:57																											
ZZZZZ	1	15:01																											
K1005244-MB2	2	15:05		X		X		X				X	X	X					X		X								
LCSS2	2	15:07		X		X		X				X	X	X					X		X								
ZZZZZ	2	15:11																											
K1005244-003	2	15:14		X		X		X				X	X	X					X		X								
CCV2	1	15:19													X														
CCV2	1	15:22		X		X		X				X	X						X		X								
ZZZZZ	1	15:26																											
CCB2	1	15:31		X		X		X				X	X	X					X		X								
K1005244-003L	10	15:35		X		X		X				X	X	X					X		X								
ZZZZZ	2	15:39																											
ZZZZZ	2	15:43																											
ZZZZZ	2	15:46																											
ZZZZZ	2	15:49																											
ZZZZZ	2	15:53																											
ZZZZZ	2	15:56																											
K1005509-002D	2	16:00		X		X		X				X	X	X					X		X								
K1005509-002S	2	16:04		X		X								X															

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Instrument ID Number: K-ICP-AES-02

Method: P

Start Date: 06/17/10

End Date: 06/17/10

Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V L	Z N	C N
Blank	1	13:32		X															X		X						
STDB	1	13:35		X															X		X						
STDA	1	13:38																									
ICV2	1	13:41		X															X		X						
ZZZZZZ	1	13:44																									
ICB2	1	13:47		X															X		X						
CCV1	1	13:50		X															X		X						
ZZZZZZ	1	13:53																									
CCB1	1	13:56		X															X		X						
CRA2	1	13:59		X															X		X						
ICS-A2	1	14:02		X															X		X						
ICS-AB2	1	14:05		X															X		X						
ZZZZZZ	1	14:08																									
CCV2	1	14:11		X															X		X						
ZZZZZZ	1	14:14																									
CCB2	1	14:17		X															X		X						
ZZZZZZ	1	14:22																									
ZZZZZZ	1	14:25																									
ZZZZZZ	1	14:28																									
ZZZZZZ	1	14:31																									
ZZZZZZ	1	14:34																									
ZZZZZZ	1	14:37																									
ZZZZZZ	1	14:40																									
ZZZZZZ	1	14:43																									
ZZZZZZ	1	14:46																									
ZZZZZZ	1	14:49																									
CCV3	1	14:52		X															X		X						
ZZZZZZ	1	14:55																									
CCB3	1	14:58		X															X		X						
ZZZZZZ	1	15:01																									
ZZZZZZ	1	15:04																									
ZZZZZZ	1	15:07																									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1005244

Project No.: 0907194.000.0601

Project Name: Heglar - Kronquist

Instrument ID Number: K-ICP-AES-02

Method: P

Start Date: 06/17/10

End Date: 06/17/10

Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V L	Z N	C N				
ZZZZZZ	1	15:10																													
ZZZZZZ	1	15:13																													
ZZZZZZ	1	15:16																													
ZZZZZZ	1	15:19																													
ZZZZZZ	5	15:22																													
ZZZZZZ	1	15:25																													
ZZZZZZ	1	15:28																													
CCV4	1	15:31		X															X			X									
ZZZZZZ	1	15:34																													
CCB4	1	15:37		X															X			X									
K1005244-MB1	2	15:40		X															X			X									
LCSS1	2	15:45		X															X			X									
K1005244-001	2	15:48		X															X			X									
K1005244-001D	2	15:51		X															X			X									
K1005244-001L	10	15:54		X															X			X									
K1005244-001S	2	15:57		X																											
K1005244-002	2	16:00		X																											
K1005244-004	2	16:03		X																											
ZZZZZZ	1	16:06																													
ZZZZZZ	1	16:09																													
CCV5	1	16:12		X															X			X									
ZZZZZZ	1	16:15																													
CCB5	1	16:18		X															X			X									
CCV6	1	16:21		X															X			X									
ZZZZZZ	1	16:24																													
CCB6	1	16:26		X															X			X									
ZZZZZZ	1	16:29																													
ZZZZZZ	1	16:32																													
ZZZZZZ	1	16:35																													
ZZZZZZ	1	16:38																													
ZZZZZZ	1	16:41																													
ZZZZZZ	1	16:44																													

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

 **Columbia Analytical Services** Preparation Information Benchsheet

Prep Run: 112941	Prep Workflow: MetDigSMS	Status: Prepped	Prep Date: 06/04/2010
Team: Metals	EPA	Current Step: Digestion	04:45
Analyst: WSchumann	Prep Method: 3050B,EPA		Due Date: 05/31/2010
	3051		
	Modified		
	Rush/NPDES: NPDES		

Lab Code	Client ID	Bottle #	Initial Amt	Initial Basis	Final Volume	Spike Amt	Spike ID	Comments
KQ1005262-01	Method Blank		g	As Received	100 mL			10% HNO3
KQ1005262-02	Lab Control Sample		1.01 g	As Received	100 mL			10% HNO3
KQ1005262-03	Lab Control Sample		g	As Received	100 mL	1 mL 2 mL 1 mL 1 mL	17064 17544 17867 18003	10% HNO3
K1005106-001	SJNE-022-GR1	.02	1.42 g	As Received	100 mL			10% HNO3
K1005106-001: KQ1005262-08	Duplicate	.02	1.42 g	As Received	100 mL			10% HNO3
K1005106-001: KQ1005262-09	Matrix Spike	.02	1.41 g	As Received	100 mL	1 mL 2 mL 1 mL 1 mL	17064 17544 17867 18003	10% HNO3
K1005106-002	SJNE-022-GR3	.02	2.20 g	As Received	100 mL			10% HNO3
K1005106-003	SJNE-022-GR2	.02	1.41 g	As Received	100 mL			10% HNO3
K1005106-004	SJGB-004-GR1	.02	2.22 g	As Received	100 mL			10% HNO3
K1005106-005	SJSH-061-GR1	.02	1.41 g	As Received	100 mL			10% HNO3
K1005106-006	SJSH-060-GR1	.02	1.21 g	As Received	100 mL			10% HNO3
K1005106-007	SJSH-059-GR1	.02	1.20 g	As Received	100 mL			10% HNO3
K1005244-001	D-1-13	.02	1.40 g	As Received	100 mL			10% HNO3
K1005244-002	D-3-21	.02	1.02 g	As Received	100 mL			10% HNO3
K1005244-003	D-4-16	.03	1.02 g	As Received	100 mL			10% HNO3
K1005244-004	D-4-36	.02	1.00 g	As Received	100 mL			10% HNO3
K1005448-001	WWTP Digester	.02	3.02 g	As Received	100 mL			10% HNO3
K1005448-001: KQ1005262-06	Duplicate	.02	3.02 g	As Received	100 mL			10% HNO3
K1005448-001: KQ1005262-07	Matrix Spike	.02	3.01 g	As Received	100 mL	1 mL 2 mL 1 mL 1 mL	17064 17544 17867 18003	10% HNO3
K1005448-002	WWTP Daft	.02	3.02 g	As Received	100 mL			10% HNO3
K1005509-002	HUM-SAM-2010-003	.01	1.40 g	As Received	100 mL			10% HNO3

21 Total Samples consisting of 14 Client Samples, 4 Client QC Samples, 3 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires	Name	Type	ID	Expires
K-MET SOIL CRM	SRM	14875	7/5/2011	K-MET SS4	Spike	17867	12/1/2010
K-MET SS1	Spike	17544	9/11/2010	K-MET SS5	Spike	18003	11/20/2010
K-MET SS3	Spike	17064	12/1/2010				

Preparation Materials

Step	Name	ID	Step	Name	ID

METALS SPIKING SOLUTIONS CONCENTRATIONS FORM

Solution Name	Element	mLs of 1000ppm Solution	Final Volume	Solution Conc. mg/L	Enter mis Added
K-MET SS1	HNO3	50.0	1000ml	-	2.00
	Al	100*	1000ml	200	
	Ag	100*	1000ml	5	
	Ba	100*	1000ml	200	
	Be	100*	1000ml	5	
	Cd	100*	1000ml	5	
	Co	100*	1000ml	50	
	Cr	100*	1000ml	20	
	Cu	100*	1000ml	25	
	Fe	100*	1000ml	100	
	Pb	100*	1000ml	50	
	Mn	100*	1000ml	50	
	Ni	100*	1000ml	50	
	Sb	50	1000ml	50	
V	100*	1000ml	50		
Zn	100*	1000ml	50		
K-MET SS2	HNO3	25.0	500ml	-	
	As	2.0	500ml	4	
	Cd	2.0	500ml	4	
	Pb	2.0	500ml	4	
	Se	2.0	500ml	4	
	Tl	2.0	500ml	4	
	Cu	2.0	500ml	4	
K-MET SS3	HNO3	25.0	500ml	-	1.00
	As	50.0	500ml	100	
	Se	50.0	500ml	100	
	Tl	50.0	500ml	100	
K-MET SS4	HNO3	25	500ml	-	1.00
	B	50	500ml	100	
	Mo	50	500ml	100	
K-MET SS5	HNO3	10.0	200ml	-	1.00
	K**	20	200ml	1000	
	Na**	20	200ml	1000	
	Mg**	20	200ml	1000	
	Ca**	20	200ml	1000	

K-MET CFLCSW	HNO3	10.0	1000ml	-	
	As, Pb, Se, Tl	5.0	1000ml	2.5	
	Cd	-	-	1.25	
	Cu	2.5	1000ml	2.5	
K-MET QCP-CICV-1	Ca, Mg, Na, K	no dilution	-	2500	
	Al, Ba	no dilution	-	1000	
	Fe	no dilution	-	500	
	Co, Mn, Ni, V, Zn	no dilution	-	250	
	Cu, Ag	no dilution	-	125	
	Cr	no dilution	-	100	
	Be	no dilution	-	25	
K-MET QCP-CICV-2	Sb	no dilution	-	500	
K-MET QCP-CICV-3	As, Pb, Se, Tl	no dilution	-	500	
	Cd	no dilution	-	250	

* Denotes volume of mixed stock standard.

** Denotes 10,000 ppm individual stock standards.

Standard	mis of standard	ppm	Logbook #	Exp. Date


Columbia Analytical Services™ Preparation Information Benchsheet

Prep Run: 112939 **Prep Workflow:** MetDigSICP **Status:** Prepped **Prep Date:** 06/04/2010
Team: Metals **Prep Method:** EPA 3050B **Current Step:** Digestion **Prep Date:** 04:45
Analyst: WSchumann **Rush/NPDES:** NPDES **Due Date:** 05/31/2010

Lab Code	Client ID	Bottle #	Initial Amt	Initial Basis	Final Volume	Spike Amt	Spike ID	Comments
KQ1005260-01	Method Blank		g	As Received	100 mL			10% HNO3 10% HCL
KQ1005260-02	Lab Control Sample		1.00 g	As Received	100 mL			10% HNO3 10% HCL
KQ1005260-03	Lab Control Sample		g	As Received	100 mL	0.5 mL 1 mL 2 mL 1 mL 1 mL	15825 17064 17544 17867 18003	10% HNO3 10% HCL
K1005106-001	SJNE-022-GR1	.02	1.40 g	As Received	100 mL			10% HNO3 10% HCL
K1005106-002	SJNE-022-GR3	.02	2.22 g	As Received	100 mL			10% HNO3 10% HCL
K1005106-003	SJNE-022-GR2	.02	1.42 g	As Received	100 mL			10% HNO3 10% HCL
K1005106-004	SJGB-004-GR1	.02	2.20 g	As Received	100 mL			10% HNO3 10% HCL
K1005106-005	SJSH-061-GR1	.02	1.42 g	As Received	100 mL			10% HNO3 10% HCL
K1005106-006	SJSH-060-GR1	.02	1.20 g	As Received	100 mL			10% HNO3 10% HCL
K1005106-007	SJSH-059-GR1	.02	1.22 g	As Received	100 mL			10% HNO3 10% HCL
K1005133-001	Drying Bed #2	.02	3.00 g	As Received	100 mL			10% HNO3 10% HCL
K1005244-003	D-4-16	.03	1.02 g	As Received	100 mL			10% HNO3 10% HCL
K1005356-008	NP-8	.02	3.01 g	As Received	100 mL			10% HNO3 10% HCL
K1005448-001	WWTP Digester	.02	3.02 g	As Received	100 mL			10% HNO3 10% HCL
K1005448-002	WWTP Daft	.02	3.02 g	As Received	100 mL			10% HNO3 10% HCL
K1005448-002: KQ1005260-06	Duplicate	.02	3.02 g	As Received	100 mL			10% HNO3 10% HCL
K1005448-002: KQ1005260-07	Matrix Spike	.02	3.02 g	As Received	100 mL	0.5 mL 1 mL 2 mL 1 mL 1 mL	15825 17064 17544 17867 18003	10% HNO3 10% HCL
K1005509-002	HUM-SAM-2010-003	.01	1.41 g	As Received	100 mL			10% HNO3 10% HCL
K1005509-002: KQ1005260-04	Duplicate	.01	1.40 g	As Received	100 mL			10% HNO3 10% HCL
K1005509-002: KQ1005260-05	Matrix Spike	.01	1.42 g	As Received	100 mL	0.5 mL 1 mL 2 mL 1 mL 1 mL	15825 17064 17544 17867 18003	10% HNO3 10% HCL

20 Total Samples consisting of 13 Client Samples, 4 Client QC Samples, 3 Batch QC Samples associated with the current Prep Run.

METALS SPIKING SOLUTIONS CONCENTRATIONS FORM

Solution Name	Element	mLs of 1000ppm Solution	Final Volume	Solution Conc. mg/L	Enter mls Added
K-MET SS1	HNO3	50.0	1000ml	-	2.06
	Al	100**	1000ml	200	
	Ag	100**	1000ml	5	
	Ba	100**	1000ml	200	
	Be	100**	1000ml	5	
	Cd	100**	1000ml	5	
	Co	100**	1000ml	50	
	Cr	100**	1000ml	20	
	Cu	100**	1000ml	25	
	Fe	100**	1000ml	100	
	Pb	100**	1000ml	50	
	Mn	100**	1000ml	50	
	Ni	100**	1000ml	50	
	Sb	50	1000ml	50	
V	100**	1000ml	50		
Zn	100**	1000ml	50		
K-MET SS2	HNO3	25.0	500ml	-	
	As	2.0	500ml	4	
	Cd	2.0	500ml	4	
	Pb	2.0	500ml	4	
	Se	2.0	500ml	4	
	Tl	2.0	500ml	4	
Cu	2.0	500ml	4		
K-MET SS3	HNO3	25.0	500ml	-	1.00
	As	50.0	500ml	100	
	Se	50.0	500ml	100	
	Tl	50.0	500ml	100	
K-MET SS4	HNO3	25	500ml	-	1.00
	B	50	500ml	100	
	Mo	50	500ml	100	
K-MET SS5	HNO3	10.0	200ml	-	100
	K**	20	200ml	1000	
	Na**	20	200ml	1000	
	Mg**	20	200ml	1000	
	Ca**	20	200ml	1000	

K-MET GFLCSW	HNO3	10.0	1000ml	-	
	As, Pb, Se, Tl	5.0	1000ml	2.5	
	Cd	-	-	1.25	
	Cu	2.5	1000ml	2.5	
K-MET QCP-CICV-1	Ca, Mg, Na, K	no dilution	-	2500	
	Al, Ba	no dilution	-	1000	
	Fe	no dilution	-	500	
	Co, Mn, Ni, V, Zn	no dilution	-	250	
	Cu, Ag	no dilution	-	125	
	Cr	no dilution	-	100	
	Be	no dilution	-	25	
K-MET QCP-CICV-2	Sb	no dilution	-	500	
K-MET QCP-CICV-3	As, Pb, Se, Tl	no dilution	-	500	
	Cd	no dilution	-	250	

* Denotes volume of mixed stock standard.

** Denotes 10,000 ppm individual stock standards.

Standard	mls of standard	ppm	Logbook #	Exp. Date
S	65	1000	MET-20-13	5/11

Columbia Analytical Services Preparation Information Benchsheet

Prep Run: 113717 **Prep Workflow:** MetDigSICP **Status:** Prepped **Prep Date:** 06/16/2010
Team: Metals **Prep Method:** EPA 3050B **Current Step:** Digestion 16:40
Analyst: WSchumann **Rush/NPDES:** N/A **Due Date:** 06/26/2010

Lab Code	Client ID	Bottle #	Initial Amt	Initial Basis	Final Volume	Spike Amt	Spike ID	Comments
KQ1005771-01	Method Blank		g	As Received	100 mL			10% HNO3 10% HCL
KQ1005771-02	Lab Control Sample		1.02 g	As Received	100 mL			10% HNO3 10% HCL
K1005244-001	D-1-13	.03	1.20 g	As Received	100 mL			10% HNO3 10% HCL
K1005244-001: KQ1005771-03	Duplicate	.03	1.20 g	As Received	100 mL			10% HNO3 10% HCL
K1005244-001: KQ1005771-04	Matrix Spike	.03	1.20 g	As Received	100 mL	1 mL 2 mL 1 mL 1 mL	17064 17544 17867 18003	10% HNO3 10% HCL
K1005244-002	D-3-21	.03	1.02 g	As Received	100 mL			10% HNO3 10% HCL
K1005244-004	D-4-36	.03	1.01 g	As Received	100 mL			10% HNO3 10% HCL

7 Total Samples consisting of 3 Client Samples, 2 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires	Name	Type	ID	Expires
K-MET SOIL CRM	SRM	14875	7/5/2011	K-MET SS4	Spike	17867	12/1/2010
K-MET SS1	Spike	17544	9/11/2010	K-MET SS5	Spike	18003	11/20/2010
K-MET SS3	Spike	17064	12/1/2010				

Preparation Materials

Step	Name	ID	Step	Name	ID
Digestion	K-MET HNO3	15193	Digestion	K-MET 100ml Centrifuge Tube	18017
Digestion	K-MET H2O2	17748	Digestion	K-MET HCL	18248

Preparation Hardware / Equipment

Step	Name	Property	Value	Step	Name	Property	Value
Digestion	K-Balance-02	Date Checked	6/16/10	Digestion	K-BlockDigester-07	Temperature	96 deg C

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Digestion	16-JUN-10 16:40	16-JUN-10 17:55	WSchumann		N	

Comments

Initial Reflux: 15min Secondary Reflux: 30min HCL Relfux: 15min

Review

Reviewed by:  Date: 6/16/10

METALS SPIKING SOLUTIONS CONCENTRATIONS FORM

Solution Name	Element	mLs of 1000ppm Solution	Final Volume	Solution Conc. mg/L	Enter mls Added
K-MET SS1	HNO3	50.0	1000ml	-	2.00
	Al	100*	1000ml	200	
	Ag	100*	1000ml	5	
	Ba	100*	1000ml	200	
	Be	100*	1000ml	5	
	Cd	100*	1000ml	5	
	Co	100*	1000ml	50	
	Cr	100*	1000ml	20	
	Cu	100*	1000ml	25	
	Fe	100*	1000ml	100	
	Pb	100*	1000ml	50	
	Mn	100*	1000ml	50	
	Ni	100*	1000ml	50	
	Sb	50	1000ml	50	
V	100*	1000ml	50		
Zn	100*	1000ml	50		
K-MET SS2	HNO3	25.0	500ml	-	
	As	2.0	500ml	4	
	Cd	2.0	500ml	4	
	Pb	2.0	500ml	4	
	Se	2.0	500ml	4	
	Tl	2.0	500ml	4	
	Cu	2.0	500ml	4	
K-MET SS3	HNO3	25.0	500ml	-	1.00
	As	50.0	500ml	100	
	Se	50.0	500ml	100	
	Tl	50.0	500ml	100	
K-MET SS4	HNO3	25	500ml	-	1.00
	B	50	500ml	100	
	Mo	50	500ml	100	
K-MET SS5	HNO3	10.0	200ml	-	1.00
	K**	20	200ml	1000	
	Na**	20	200ml	1000	
	Mg**	20	200ml	1000	
	Ca**	20	200ml	1000	

K-MET GFLCSW	HNO3	10.0	1000ml	-	
	As, Pb, Se, Tl	5.0	1000ml	2.5	
	Cd	-	-	1.25	
	Cu	2.5	1000ml	2.5	
K-MET QCP-CICV-1	Ca, Mg, Na, K	no dilution	-	2500	
	Al, Ba	no dilution	-	1000	
	Fe	no dilution	-	500	
	Co, Mn, Ni, V, Zn	no dilution	-	250	
	Cu, Ag	no dilution	-	125	
	Cr	no dilution	-	100	
	Be	no dilution	-	25	
K-MET QCP-CICV-2	Sb	no dilution	-	500	
K-MET QCP-CICV-3	As, Pb, Se, Tl	no dilution	-	500	
	Cd	no dilution	-	250	

* Denotes volume of mixed stock standard.

** Denotes 10,000 ppm individual stock standards.

Standard	mls of standard	ppm	Logbook #	Exp. Date

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601
Sample Matrix: Misc. solid

Service Request: K1005244

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
D-1-13	K1005244-001	05/18/2010	05/21/2010	05/25/2010	66.9	
D-3-21	K1005244-002	05/19/2010	05/21/2010	05/25/2010	89.0	
D-4-16	K1005244-003	05/19/2010	05/21/2010	05/25/2010	90.7	
D-4-36	K1005244-004	05/19/2010	05/21/2010	05/25/2010	95.4	

CVAA Mercury Data Review Form

K-CVAA-01

Element: Hg

Analysis Lot #: 204643

Cal. STD/CCV Source: HG1-92-U

Service Request Numbers:

K1005244 K1005359 K1005448 K1005729

	Yes	No	NA
1) Appropriate standardization completed	<u>X</u>	<u> </u>	<u> </u>
2) ICV within 10% of true value	<u>X</u>	<u> </u>	<u> </u>
3) CCVs in control	<u>X</u>	<u> </u>	<u> </u>
4) CCBs and or ICBs below MRL	<u>X</u>	<u> </u>	<u> </u>
5) All reported samples within calibration range	<u>X</u>	<u> </u>	<u> </u>
6) Calculations correct	<u>X</u>	<u> </u>	<u> </u>

Comments:

Data reviewed against service request(s) to ensure no samples were omitted: KSK (initials)

Primary Reviewed By: KSK

Date: 6/14/10

Secondary Reviewed By: JOB

Date: 6/14/10

Method: (Circle One) 7470A 7471A 245.1	Service Request # : K1005359 K1005448 K1005244 K1005729
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	(µg/L) Measured	Sample Actual (mg/kg)	Sample Actual (µg/L)
1	ICV1	~	~	~	5.15		103%
2	ICB1	~	~	~	-0.01		< 0.2
3	CCV1	~	~	~	4.93		99%
4	CCB1	~	~	~	-0.01		< 0.2
5	CRA1	~	~	~	0.18		90%
6	K1005359-MB	0.534	50	~	-0.01	-0.001	
7	LCSS K1005359 1/10	0.260	50	10	3.59	6.904	102%
8	K1005359-001	0.505	50	~	0.57	0.056	
9	K1005359-001A		50	~	5.70		103%
10	K1005359-001D	0.502	50	~	0.59	0.059	
11	K1005359-001S	0.503	50	~	4.94	0.491	88%
12	K1005359-002	0.544	50	~	0.27	0.025	
13	K1005359-003	0.519	50	~	0.60	0.058	
14	K1005359-004	0.500	50	~	0.16	0.016	
15	CCV2	~	~	~	5.59	<i>see report 6/14/10</i>	112%
16	CCV2	~	~	~	5.19		104%
17	CCB2	~	~	~	-0.01		< 0.3
18	K1005359-005	0.501	50	~	0.17	0.017	
19	K1005359-006	0.501	50	~	0.21	0.021	
20	K1005359-007	0.508	50	~	0.28	0.028	
21	K1005359-008	0.518	50	~	0.14	0.014	
22	K1005359-009	0.516	50	~	0.07	0.007	
23	K1005359-010	0.523	50	~	0.01	0.001	
24	K1005359-011	0.574	50	~	0.02	0.002	
25	K1005359-012	0.540	50	~	0.03	0.003	

Comments: Reporting Levels:					
Soil/Tissue Spike Level: K1005359-001S=0.497mg/Kg					
Post Spike Level: x @ 5 µg/L					
Method	Spike Level	MRL	LCS Limit	MS Limit	RPD
7470A Water	1.0 µg/L	0.2 µg/L	83-117 %	76-126 %	20%
245.1 Water	1.0 µg/L	0.2 µg/L	85-115 %	70-130 %	20%
7470A TCLP	5.0 µg/L	1.0 µg/L	85-115 %	75-125 %	20%
7471A Soil LCSS	6.80 mg/kg	0.02 mg/kg	72-128 %	60-135 %	30%
7471A Tissue Tort	0.27 mg/kg	0.02 mg/kg	63-130 %	60-130 %	30%

Analyst:	Date: 6/14/2010	Page Number: 1
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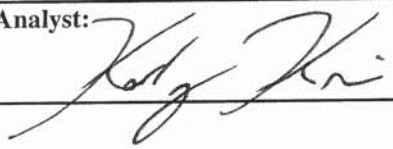
Method: (Circle One) 7470A 7471A 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	(µg/L) Measured	Sample Actual (mg/kg)	Sample Actual (µg/L)
26	K1005359-013	0.564	50	~	0.06	0.005	
27	K1005359-014	0.549	50	~	0.09	0.008	
28	CCV3	~	~	~	5.02		100%
29	CCB3	~	~	~	0.00		< 0.3
30	K1005359-015	0.533	50	~	0.11	0.010	
31	K1005359-018	0.540	50	~	0.21	0.019	
32	K1005448-001	0.511	50	~	10.00	0.978	> 10 mg
33	K1005448-002	0.503	50	~	4.08	0.406	
34	K1005244-003	0.527	50	~	0.00	0.000	
35	K1005729-001	0.705	50	~	0.11	0.008	
36	K1005448-001 1/10	0.511	50	10	1.21	0.118	serial dilution
37	K1005448-001L 1/10+1/5	0.511	50	50	0.18	0.018	26%
38	K1005448-001 1/10	0.511	50	10	1.17	0.114	not needed
39	K1005448-001L 1/10+1/5	0.511	50	50	0.19	0.019	19%
40	CCV4	~	~	~	4.89		98%
41	CCB4	~	~	~	-0.01		< 0.2
42							
43							
44							
45							
46							
47							
48							
49							
50							

outside limits, corrective action post spike passes 100% 6/14/10

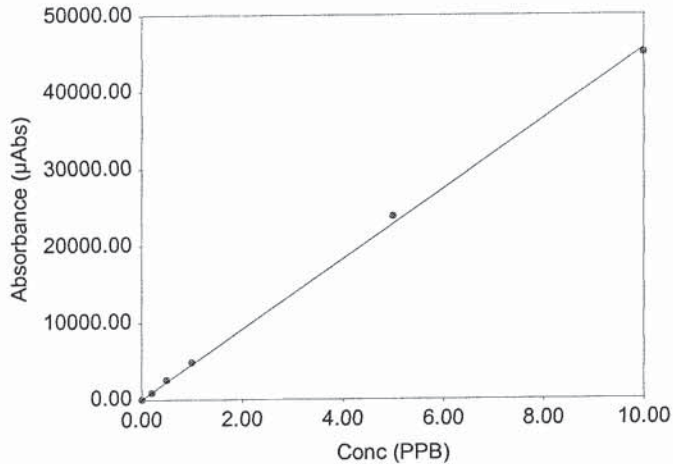
Comments: Reporting Levels:					
Soil/Tissue Spike Level:					
Post Spike Level:					
Method	Spike Level	MRL	LCS Limit	MS Limit	RPD
7470A Water	1.0 µg/L	0.2 µg/L	83-117%	76-126%	20%
245.1 Water	1.0 µg/L	0.2 µg/L	85-115%	70-130%	20%
7470A TCLP	5.0 µg/L	1.0 µg/L	85-115%	75-125%	20%
7471A Soil LCSS	6.80 mg/kg	0.02 mg/kg	72-128%	60-135%	30%
7471A Tissue Tort	0.27 mg/kg	0.02 mg/kg	63-130%	60-130%	30%

Analyst: 	Date: 6/14/2010	Page Number: 2
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Analyst KKLEIN
 Date Started Monday, June 14, 2010, 09:33:17
 Worksheet 061410A
 Comment K-CVAA-01

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. μ Abs	Readings				Flags
Calibration Zero	14-Jun-2010, 09:33	0.00	17.80	45.80	41	52	54	37	
Standard #1	14-Jun-2010, 09:35	0.20	0.02	901.00	901	901	901	901	
Standard #2	14-Jun-2010, 09:36	0.50	1.31	2570.00	2531	2551	2603	2592	
Standard #3	14-Jun-2010, 09:38	1.00	0.41	4890.00	4889	4861	4888	4909	
Standard #4	14-Jun-2010, 09:40	5.00	4.37	23800.00	24566	24708	23645	22446	
Standard #5	14-Jun-2010, 09:42	10.00	0.93	45000.00	44769	44845	44800	45635	

Calibration Data



Int. Slope 0.000
 4558.368
 Correlation 0.99950

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. μ Abs	Readings				Flags
ICV1	14-Jun-2010, 09:43	5.15	0.25	23500.00	23432	23451	23510	23562	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. μ Abs	Readings				Flags
ICB1	14-Jun-2010, 09:45	-0.01	1.22	-50.70	-51	-51	-51	-50	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. μ Abs	Readings				Flags
CCV1	14-Jun-2010, 09:47	4.93	0.38	22500.00	22372	22505	22572	22519	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. μ Abs	Readings				Flags
CCB1	14-Jun-2010, 09:49	-0.01	0.98	-53.30	-53	-53	-53	-54	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. μ Abs	Readings				Flags
CRA1	14-Jun-2010, 09:50	0.18	0.04	832.00	832	832	832	833	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. μ Abs	Readings				Flags
K1005359-MB	14-Jun-2010, 09:52	-0.01	0.92	-33.30	-33	-34	-33	-33	
LCSS K1005359 1/10	14-Jun-2010, 09:54	3.59	0.23	16400.00	16402	16340	16385	16322	
K1005359-001	14-Jun-2010, 09:56	0.57	0.42	2610.00	2615	2628	2605	2603	
K1005359-001A	14-Jun-2010, 09:58	5.70	1.46	26000.00	26230	25444	26008	26267	
K1005359-001D	14-Jun-2010, 09:59	0.59	1.24	2670.00	2626	2682	2701	2690	
K1005359-001S	14-Jun-2010, 10:01	4.94	0.44	22500.00	22433	22440	22560	22636	
K1005359-002	14-Jun-2010, 10:14	0.27	1.25	1250.00	1234	1247	1256	1271	
K1005359-003	14-Jun-2010, 10:16	0.60	1.39	2730.00	2684	2705	2753	2764	
K1005359-004	14-Jun-2010, 10:18	0.16	0.66	727.00	733	723	724	727	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. μ Abs	Readings				Flags
CCV2	14-Jun-2010, 10:10	5.60	0.51	25500.00	25616	25334	25410	25570	Q
CCV2	14-Jun-2010, 10:32	5.19	0.35	23700.00	23607	23577	23693	23757	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. μ Abs	Readings				Flags
CCB2	14-Jun-2010, 10:34	-0.01	9.81	-29.90	-27	-29	-31	-34	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. μ Abs	Readings				Flags
K1005359-005	14-Jun-2010, 10:35	0.17	1.64	787.00	769	786	796	797	
K1005359-006	14-Jun-2010, 10:37	0.21	0.58	977.00	972	972	983	981	
K1005359-007	14-Jun-2010, 10:39	0.28	0.36	1260.00	1260	1259	1265	1269	
K1005359-008	14-Jun-2010, 10:41	0.14	32.49	628.00	627	633	629	626	

Analyst KKLEIN
 Date Started Monday, June 14, 2010, 10:43:03
 Worksheet 061410A
 Comment K-CVAA-01

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings	Flags
K1005359-009	14-Jun-2010, 10:43	0.07	1.77	315.00	313 310 323 314	
K1005359-010	14-Jun-2010, 10:44	0.01	6.44	35.60	33 38 37 35	
K1005359-011	14-Jun-2010, 10:46	0.02	13.70	100.00	80 104 111 106	
K1005359-012	14-Jun-2010, 10:48	0.03	9.78	150.00	128 158 158 158	
K1005359-013	14-Jun-2010, 10:50	0.06	0.41	283.00	282 284 285 282	
K1005359-014	14-Jun-2010, 10:51	0.09	0.78	404.00	405 399 406 406	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings	Flags
CCV3	14-Jun-2010, 10:53	5.02	0.52	22900.00	22733 22845 22969 22991	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings	Flags
CCB3	14-Jun-2010, 10:55	-0.00	40.80	-16.50	-16 -9 -15 -25	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings	Flags
K1005359-015	14-Jun-2010, 10:57	0.11	0.97	483.00	484 476 485 487	
K1005359-018	14-Jun-2010, 10:59	0.21	0.25	977.00	975 980 976 978	
K1005448-001	14-Jun-2010, 11:00	10.00	0.38	45600.00	45400 45757 45779 45850	⊖ not 6/14/10
K1005448-002	14-Jun-2010, 11:03	4.08	1.68	18600.00	18207 18623 18971 18635	
K1005244-003	14-Jun-2010, 11:05	0.00	16.60	13.80	11 17 13 14	
K1005729-001	14-Jun-2010, 11:06	0.11	1.21	491.00	483 493 495 496	
K1005448-001 1/10	14-Jun-2010, 11:09	1.21	0.25	5490.00	5473 5497 5499 5502	
K1005448-001L 1/10+1/5	14-Jun-2010, 11:11	0.18	2.20	825.00	800 824 838 839	
K1005448-001 1/10	14-Jun-2010, 11:16	1.17	0.41	5340.00	5314 5397 5352 5360	⊖ 6/14/10
K1005448-001L 1/10+1/5	14-Jun-2010, 11:18	0.19	0.73	857.00	852 866 858 853	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings	Flags
CCV4	14-Jun-2010, 11:19	4.89	0.20	22300.00	22271 22235 22276 22341	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings	Flags
CCB4	14-Jun-2010, 11:21	-0.01	17.20	-30.60	-30 -24 -31 -37	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings	Flags
K1005268-MB	14-Jun-2010, 11:29	0.00	28.10	20.90	19 25 26 14	
LCSS K1005268 1/10	14-Jun-2010, 11:30	3.11	0.77	14200.00	14079 14134 14239 14323	
K1005268-002	14-Jun-2010, 11:32	0.84	1.15	3810.00	3750 3812 3851 3832	
K1005268-002A	14-Jun-2010, 11:35	5.09	0.45	23200.00	23083 23111 23241 23300	
K1005268-002D	14-Jun-2010, 11:37	0.66	0.35	3020.00	3007 3031 3027 3021	
K1005268-002S	14-Jun-2010, 11:39	5.74	0.65	26200.00	26030 26069 26217 26404	
K1005268-001	14-Jun-2010, 11:41	3.19	0.27	14500.00	14576 14483 14524 14552	
K1005268-003	14-Jun-2010, 11:42	2.57	0.56	11700.00	11660 11702 11741 11816	
K1005268-004	14-Jun-2010, 11:44	3.92	0.49	17900.00	17759 17804 17905 17949	
K1005268-005	14-Jun-2010, 11:46	0.61	1.50	2780.00	2732 2773 2799 2831	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings	Flags
CCV5	14-Jun-2010, 11:48	5.54	0.55	25200.00	25099 25164 25325 25401	Q
CCV5	14-Jun-2010, 11:52	5.60	0.41	25500.00	25382 25529 25616 25587	Q

Columbia Analytical Services™ Preparation Information Benchsheet

Prep Run: 113279 **Prep Workflow:** HgDigS **Status:** Prepped **Prep Date:** 06/10/2010
Team: Metals **Prep Method:** Method **Current Step:** Digestion **16:30**
Analyst: KKLEIN **Rush/NPDES:** Both **Due Date:** 06/09/2010

Lab Code	Client ID	Bottle #	Initial Amt	Initial Basis	Final Volume	Spike Amt	Spike ID	Comments
KQ1005485-01	Method Blank		0.534 g	wet weight	50 mL			
KQ1005485-02	Lab Control Sample		0.260 g	wet weight	50 mL			
K1005244-003	D-4-16	.03	0.581 g	wet weight	50 mL			0.527
K1005359-001	SJNE 032-CR1D	.02	0.886 g	wet weight	50 mL			0.505
K1005359-001: KQ1005485-03	Duplicate	.02	0.881 g	wet weight	50 mL			0.502
K1005359-001: KQ1005485-04	Matrix Spike	.02	0.883 g	wet weight	50 mL	0.25 mL	18223	0.503
K1005359-002	SJNE 032-CR1E	.02	0.863 g	wet weight	50 mL			0.544
K1005359-003	SJNE 032-CR1F	.02	0.804 g	wet weight	50 mL			0.519
K1005359-004	SJNE 032-CR1G	.02	0.834 g	wet weight	50 mL			0.500
K1005359-005	SJNE 032-CR1H	.02	0.972 g	wet weight	50 mL			0.501
K1005359-006	SJNE 032-CR1I	.02	0.986 g	wet weight	50 mL			0.501
K1005359-007	SJNE 035-CR1A	.02	0.895 g	wet weight	50 mL			0.508
K1005359-008	SJNE 035-CR1B	.02	0.703 g	wet weight	50 mL			0.518
K1005359-009	SJNE 035-CR1C	.02	0.719 g	wet weight	50 mL			0.516
K1005359-010	SJNE 035-CR1D	.02	0.745 g	wet weight	50 mL			0.523
K1005359-011	SJNE 035-CR1E	.02	0.747 g	wet weight	50 mL			0.574
K1005359-012	SJNE 035-CR1F	.02	0.712 g	wet weight	50 mL			0.53 0.54
K1005359-013	SJNE 035-CR1G	.02	0.805 g	wet weight	50 mL			0.564
K1005359-014	SJNE 035-CR1H	.02	0.820 g	wet weight	50 mL			0.549
K1005359-015	SJNE 035-CR1I	.02	0.763 g	wet weight	50 mL			0.533
K1005359-018	SJNE 032-CR1J	.02	0.896 g	wet weight	50 mL			0.540
K1005448-001	WWTP Digester	.02	3.599 g	wet weight	50 mL			0.511

dry weight



K1005448-002	WWTP Daft	.02	3.592 g	wet weight	50 mL		0.503
K1005729-001	HP Plant	.01	0.825 g	wet weight	50 mL		0.705

dry weight
↓

24 Total Samples consisting of 20 Client Samples, 2 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires
K-MET Hg Source Soil/TCLP 1000 ug/L	Spike	18223	7/1/2010

Preparation Materials

Step	Name	ID	Step	Name	ID
Digestion	K-MET HNO3	15193	Digestion	K-MET HCl Hg	17810
Digestion	K-MET NaCl Hg	15559	Digestion	K-MET SnCl Hg	18000
Digestion	K-MET NH2OH-HCl Hg	15560	Digestion	K-MET 100ml Centrifuge Tube	18017
Digestion	K-MET KMnO4 Hg	15563			

Preparation Hardware / Equipment

Step	Name	Property	Value	Step	Name	Property	Value
Digestion	K-Balance-01	Date Checked	6/10/2010	Digestion	K-BlockDigester-03	Temperature	95 deg C

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Digestion	10-JUN-10 16:30	10-JUN-10 17:00	KKLEIN		N	

Comments

Cal. STD/CCV Source: HG1-92-U

Review

Reviewed by: JOB Date: 6/14/10


Columbia Analytical Services Preparation Information Benchsheet

Prep Run: 113279 **Prep Workflow:** HgDigS **Status:** Draft **Prep Date:** 06/10/2010
Team: Metals **Prep Method:** Method **Current Step:** Digestion **Prep Date:** 09:09
Analyst: MSMITH **Rush/NPDES:** Both **Due Date:** 06/09/2010

Lab Code	Client ID	Bottle #	Target Amt	Initial Amt	Initial Basis	Final Volume	Spike Amt	Spike ID	Comments
KQ1005485-01	Method Blank		0.5 g	0.534					
KQ1005485-02	Lab Control Sample		0.5 g	0.260					
K1005244-003	D-4-16	.03	0.55 g	0.581					
K1005359-001	SJNE 032-CR1D	.02	0.88 g	0.886					
K1005359-001: KQ1005485-03	Duplicate	.02	0.5 g	0.881					
K1005359-001: KQ1005485-04	Matrix Spike	.02	0.5 g	0.883			0.25 mL	18223	
K1005359-002	SJNE 032-CR1E	.02	0.79 g	0.863					
K1005359-003	SJNE 032-CR1F	.02	0.78 g	0.804					
K1005359-004	SJNE 032-CR1G	.02	0.83 g	0.834					
K1005359-005	SJNE 032-CR1H	.02	0.97 g	0.972					
K1005359-006	SJNE 032-CR1I	.02	0.98 g	0.986					
K1005359-007	SJNE 035-CR1A	.02	0.88 g	0.895					
K1005359-008	SJNE 035-CR1B	.02	0.68 g	0.703					
K1005359-009	SJNE 035-CR1C	.02	0.70 g	0.719					
K1005359-010	SJNE 035-CR1D	.02	0.71 g	0.745					
K1005359-011	SJNE 035-CR1E	.02	0.65 g	0.747					
K1005359-012	SJNE 035-CR1F	.02	0.66 g	0.712					
K1005359-013	SJNE 035-CR1G	.02	0.71 g	0.805					
K1005359-014	SJNE 035-CR1H	.02	0.75 g	0.820					
K1005359-015	SJNE 035-CR1I	.02	0.72 g	0.763					
K1005359-018	SJNE 032-CR1J	.02	0.83 g	0.896					
K1005448-001	WWTP Digester	.02	3.52 g	3.599					
K1005448-002	WWTP Daft	.02	3.57 g	3.592					

K1005729-001	HP Plant	.01	0.5 g	0.825				
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24 Total Samples consisting of 20 Client Samples, 2 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires
K-MET Hg Source Soil/TCLP 1000 ug/L	Spike	18223	7/1/2010

Preparation Materials

Step	Name	ID	Step	Name	ID
Digestion	K-MET HNO3	15193	Digestion	K-MET HCl Hg	17810
Digestion	K-MET NaCl Hg	15559	Digestion	K-MET SnCl Hg	18000
Digestion	K-MET NH2OH-HCl Hg	15560	Digestion	K-MET 100ml Centrifuge Tube	18017
Digestion	K-MET KMnO4 Hg	15563			

Preparation Hardware / Equipment

Step	Name	Property	Value	Step	Name	Property	Value
Digestion	K-Balance-01	Date Checked		Digestion	K-BlockDigester-03	Temperature	_____ deg C

Preparation Steps

<u>Step</u>	<u>Started</u>	<u>Finished</u>	<u>By</u>	<u>Assisted By</u>	<u>Training?</u>	<u>Comments</u>
Digestion						

Comments

Service Request # K1005244 #3
Instrument ID# K-ICP-AES-03

ICP-OES Data Review Form

	Yes	No
1. Standardization completed	<u>✓</u>	<u> </u>
2. ICV within 10 % of true value	<u>✓</u>	<u> </u>
3. ICB below MRL	<u>✓</u>	<u> </u>
4. CRI standard analyzed.	<u>✓</u>	<u> </u>
5. ICS standards within 20% of true value	<u>✓</u>	<u> </u>
6. All preceding CCVs within 10 % of true value	<u>✓</u>	<u> </u>
7. Following CCV within 10 % of true value	<u>✓</u>	<u> </u>
8. Bracketing CCBs below MRL	<u>✓</u>	<u> </u>
9. Method Blank below MRL	<u>✓</u>	<u> </u>
10. MS-MSD or Dup-MS and LCS within CAS control limits	<u>✓</u>	<u> </u>
11. All analytes within instrument linear range	<u>✓</u>	<u> </u>
12. Adequate rinse out time allowed between samples to eliminate memory effect	<u>✓</u>	<u> </u>

Comments:

StarLIMS Run # 204564 Saved under 061210CICP03
Do not report 200.7. NR LL K.
Report Cu3273, Zn2062.

Primary Review by mmr Date 6/12/10

Secondary Review by BC Date 6/14/10

Sample Name: BLK Acquired: 6/12/2010 14:12:55 Type: Cal

Method: 2010b6010B(v5) Mode: IR Corr. Factor: 1.000000

User: admin : : :

Comment: 061210c

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	-66.01	5.010	3.635	.0130	7.0450	R 38.62
Stddev	.0001	4.45	1.153	1.957	.0003	.1344	.04
%RSD	14.69	6.736	23.01	53.84	1.992	1.9071	.0989

#1	.0006	-69.15	4.195	5.019	.0131	6.9500	38.65
#2	.0005	-62.86	5.825	2.251	.0128	7.1400	38.60

Elem	Cd2144	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0005	.0001	4.611	.0028	.0001	.0005	-.0009
Stddev	.0005	.0002	.992	.0012	.0000	.0004	.0007
%RSD	107.9	297.1	21.51	44.27	6.061	83.46	77.41

#1	-.0009	.0002	5.312	.0036	.0001	.0008	-.0014
#2	-.0001	-.0001	3.909	.0019	.0001	.0002	-.0004

Elem	Cu3273	Fe2599	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	41.09	.0009	.0009	-.0001	R 9.367	.0001	.0000
Stddev	7.77	.0002	.0009	.0005	7.819	.0001	.0000
%RSD	18.90	23.23	106.9	545.1	83.47	62.18	11.92

#1	35.60	.0011	.0015	-.0004	3.838	.0002	.0000
#2	46.58	.0008	.0002	.0002	14.90	.0001	.0000

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0014	.0005	139.1	.8557	-28.08	120.2	.0013
Stddev	.0002	.0000	44.7	1.770	8.59	7.1	.0002
%RSD	10.63	4.870	32.15	206.8	30.61	5.913	16.49

#1	.0015	.0005	170.7	2.107	-22.00	115.2	.0011
#2	.0013	.0006	107.5	-.3956	-34.15	125.3	.0014

Sample Name: BLK Acquired: 6/12/2010 14:12:55 Type: Cal
 Method: 2010b6010B(v5) Mode: IR Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210c

Elem	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Ti1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0002	5.923	10.24	8.067	.0023	-.0038
Stddev	.0000	.0007	.270	.31	3.229	.0000	.0002
%RSD	33.77	355.1	4.557	3.072	40.03	1.611	4.210
#1	.0001	-.0003	5.732	10.02	10.35	.0023	-.0037
#2	.0002	.0007	6.114	10.46	5.784	.0023	-.0040

Elem	Li6707	Sr4077	S_1820
Units	Cts/S	Cts/S	Cts/S
Avg	-20.31	-.00195	-4.634
Stddev	12.03	.00018	.764
%RSD	59.21	9.0501	16.48
#1	-28.81	-.00207	-4.094
#2	-11.81	-.00182	-5.174

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6403.8	137530.	10406.	1452.2
Stddev	21.7	525.	51.	4.3
%RSD	.33850	.38162	.48629	.29834
#1	6419.1	137900.	10370.	1455.3
#2	6388.4	137160.	10442.	1449.1

*WMMR
6/12/10*

Sample Name: STD A Acquired: 6/12/2010 14:16:09 Type: Cal
 Method: 2010b6010B(v5) Mode: IR Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210c icp7-44-b

Elem	Al1670	Sb2068	Be2348	B_2496	Cd2144	Cd2265	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3417	509.2	62702.	R 3532.	12.30	2.432	7977.
Stddev	.0016	1.4	80.	26.	.03	.009	4.
%RSD	.4641	.2736	.12831	.7481	.2568	.3643	.0544

#1	.3406	508.2	62645.	3550.	12.27	2.426	7974.
#2	.3428	510.2	62759.	3513.	12.32	2.439	7980.

Elem	Cr2677	Co2307	Cu2247	Cu3273	Pb2203	Mn2576	Mn2605
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1061	.7546	1.754	13020.	.7861	.5607	.0106
Stddev	.0000	.0030	.005	48.	.0052	.0022	.0001
%RSD	.0272	.3915	.2783	.3693	.6606	.3852	.4718

#1	.1061	.7525	1.750	13050.	.7824	.5592	.0107
#2	.1061	.7567	1.757	12980.	.7898	.5622	.0106

Elem	Mo2020	Ni2216	Se1960	Ag3280	Sn1899	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5929	.8778	364.3	14300.	.5355	.1156	3.470
Stddev	.0028	.0038	.7	74.	.0009	.0001	.007
%RSD	.4729	.4370	.1934	.5208	.1771	.0987	.1938

#1	.5909	.8751	364.8	14350.	.5349	.1156	3.466
#2	.5948	.8805	363.8	14240.	.5362	.1157	3.475

Elem	Zn2138	Ti3361	Tl1908
Units	Cts/S	Cts/S	Cts/S
Avg	R 11780.	.4158	.4480
Stddev	9.	.0001	.0005
%RSD	.0771	.0199	.1023

#1	11780.	.4158	.4483
#2	11770.	.4157	.4476

Sample Name: STD A Acquired: 6/12/2010 14:16:09 Type: Cal
Method: 2010b6010B(v5) Mode: IR Corr. Factor: 1.000000
User: admin : : :
Comment: 061210c icp7-44-b

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6453.9	138440.	10485.	1464.4
Stddev	24.0	460.	41.	2.3
%RSD	.37131	.33234	.39450	.15543
#1	6470.8	138770.	10515.	1466.0
#2	6436.9	138120.	10456.	1462.8

Sample Name: STD B Acquired: 6/12/2010 14:19:07 Type: Cal
 Method: 2010b6010B(v5) Mode: IR Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210c icp7-49-b

Elem	Al3944	As1890	Ba4554	Ca3158	Fe2599	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	R 116500.	1459.	R 119.9	3.181	3.920	.5280
Stddev	23.	1.	1.9	.027	.034	.0038
%RSD	.0200	.0440	1.589	.8538	.8607	.7291

#1	116500.	1459.	121.2	3.200	3.944	.5308
#2	116500.	1460.	118.5	3.162	3.896	.5253

Elem	Mg2852	K_7664	Na5895	P_2149	Si2516	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	R 77260.	15600.	40060.	12150.	10100.	30050.
Stddev	119.	22.	89.	18.	10.	91.
%RSD	.1533	.1414	.2218	.1454	.0974	.3020

#1	77170.	15610.	39990.	12140.	10100.	29990.
#2	77340.	15580.	40120.	12160.	10090.	30120.

Elem	Sr4077	S_1820
Units	Cts/S	Cts/S
Avg	23.237	774.9
Stddev	.534	.1
%RSD	2.2973	.0065

#1	23.614	774.9
#2	22.859	775.0

Int. Std.	Y_2243	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S
Avg	6393.1	10690.	1408.3
Stddev	36.4	68.	2.3
%RSD	.56890	.63821	.16664

#1	6418.8	10642.	1409.9
#2	6367.4	10739.	1406.6

Sample Name: ICV1 Acquired: 6/12/2010 14:23:25 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210c icp7-48-a

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.156	4.860	2.476	2.535	5.187	.12732	.0002	1.271	1.254
Stddev	.007	.012	.010	.007	.005	.00006	.0007	.005	.002
%RSD	.1605	.2432	.3884	.2614	.1053	.04672	303.9	.3857	.1477
#1	4.151	4.868	2.469	2.530	5.183	.12728	-.0003	1.268	1.253
#2	4.161	4.852	2.483	2.539	5.191	.12736	.0008	1.274	1.255
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value Range									

Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.238	12.95	.5116	1.257	.6352	.6240	2.615	2.534	12.87
Stddev	.002	.05	.0011	.003	.0030	.0012	.013	.010	.04
%RSD	.1626	.3896	.2144	.2695	.4695	.1854	.4832	.4035	.2808
#1	1.236	12.92	.5108	1.255	.6331	.6248	2.606	2.527	12.84
#2	1.239	12.99	.5124	1.259	.6374	.6232	2.624	2.541	12.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.46	1.270	1.270	2.050	1.246	12.58	2.501	.6214	12.35
Stddev	.04	.000	.009	.001	.002	.06	.003	.0005	.05
%RSD	.2925	.0304	.6874	.0580	.1940	.4652	.1231	.0809	.4212
#1	12.48	1.271	1.276	2.049	1.244	12.62	2.498	.6210	12.38
#2	12.43	1.270	1.264	2.051	1.247	12.54	2.503	.6217	12.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Sample Name: ICV1 Acquired: 6/12/2010 14:23:25 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210c icp7-48-a

Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021	1.286	1.278	1.230	-.0159	-.0064	2.083	2.578	-.0007
Stddev	.0005	.002	.005	.001	.0012	.0041	.002	.011	.0009
%RSD	25.25	.1481	.3991	.0750	7.495	64.37	.1051	.4115	120.3
#1	.0025	1.288	1.275	1.230	-.0167	-.0035	2.085	2.570	-.0014
#2	.0018	1.285	1.282	1.231	-.0150	-.0093	2.081	2.585	-.0001
Check ? Value Range	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None

Elem	Sr4077	S_1820
Units	ppm	ppm
Avg	.00085	-.0031
Stddev	.00000	.0018
%RSD	.03982	58.89
#1	.00085	-.0044
#2	.00085	-.0018

Check ? Value Range	None	None
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Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6322.2	134750.	10396.	1408.7
Stddev	7.8	81.	66.	4.9
%RSD	.12340	.06022	.63269	.34673
#1	6327.7	134690.	10442.	1412.1
#2	6316.7	134810.	10349.	1405.2

Sample Name: ICVB1 Acquired: 6/12/2010 14:26:45 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210c icp7-50-a

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9996	.9821	.0038	.0023	.0013	-.00005	2.054	-.0002
Stddev	.0006	.0009	.0002	.0011	.0004	.00002	.008	.0000
%RSD	.0590	.0926	5.755	45.07	31.70	48.925	.4057	12.85

#1	.9992	.9815	.0040	.0031	.0016	-.00006	2.048	-.0001
#2	1.000	.9828	.0037	.0016	.0010	-.00003	2.060	-.0002

Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None
Value Range								

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	5.329	-.0002	.0003	-.0007	.0001	10.40
Stddev	.000	.0001	.016	.0003	.0002	.0003	.0004	.03
%RSD	345.5	68.78	.2956	174.5	72.65	44.80	354.8	.2763

#1	.0000	.0000	5.340	-.0003	.0001	-.0005	-.0002	10.42
#2	-.0001	-.0001	5.318	.0000	.0004	-.0010	.0004	10.38

Check ?	None	None	None	None	None	None	None	None
Value Range								

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	5.201	5.107	9.428	10.15	.0012	.0002	.0235
Stddev	.0004	.018	.020	.091	.07	.0005	.0000	.0450
%RSD	57.09	.3456	.3970	.9648	.6512	39.54	17.07	191.3

#1	.0009	5.188	5.093	9.364	10.10	.0015	.0003	.0554
#2	.0004	5.213	5.122	9.492	10.20	.0008	.0002	-.0083

Check ?	None	None	None	None	None	None	None	None
Value Range								

Sample Name: ICVB1 Acquired: 6/12/2010 14:26:45 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210c icp7-50-a

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0015	.0000	.0099	5.182	-.0100	.0003	.0002	5.145
Stddev	.0004	.0003	.0083	.004	.0003	.0000	.0000	.020
%RSD	30.02	1885.	83.80	.0764	3.078	4.927	10.22	.3862

#1	-.0018	-.0002	.0040	5.185	-.0097	.0003	.0003	5.131
#2	-.0012	.0002	.0157	5.179	-.0102	.0003	.0002	5.159

Check ?	None	None	None	Chk Pass	None	None	None	Chk Pass
Value Range								

Elem	Si2516	Ti3361	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.233	.0004	-.0022	2.061	2.1224	5.170
Stddev	.004	.0001	.0011	.011	.0029	.008
%RSD	.0867	25.44	50.36	.5513	.13863	.1493

#1	5.236	.0005	-.0014	2.053	2.1244	5.164
#2	5.230	.0003	-.0029	2.069	2.1203	5.175

Check ?	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6397.9	137640.	10507.	1427.2
Stddev	3.2	247.	52.	2.5
%RSD	.05051	.17968	.49945	.17456

#1	6400.2	137820.	10470.	1425.4
#2	6395.6	137470.	10544.	1428.9

Sample Name: ICB Acquired: 6/12/2010 14:30:19 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0020	-.0020	.0000	.0001	-.00004	.0076	.0000
Stddev	.0000	.0013	.0010	.001	.0001	.00002	.0006	.000
%RSD	14.33	66.58	53.21	1932.	92.75	54.147	8.045	697.7

#1	-.0003	-.0029	-.0012	.0006	.0000	-.00005	.0080	.0000
#2	-.0003	-.0010	-.0027	-.0007	.0001	-.00002	.0072	.0000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	.0026	.0002	.0000	-.0002	.0002	-.0009
Stddev	.000	.0000	.0001	.0000	.000	.0000	.0005	.0004
%RSD	88.13	44.17	2.451	19.06	4.323	13.45	241.3	45.00

#1	.0000	.0000	.0025	.0002	.0000	-.0002	.0005	-.0006
#2	-.0001	-.0001	.0026	.0002	.0000	-.0002	-.0001	-.0012

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-.0032	.0017	.0001	.0000	-.0003	.0000	.0143
Stddev	.0011	.0044	.0003	.0000	.0009	.0001	.0001	.0170
%RSD	200.2	139.0	15.33	8.036	5353.	24.20	329.6	118.8

#1	-.0002	-.0063	.0015	.0001	-.0006	-.0002	.0001	.0023
#2	.0013	-.0001	.0019	.0001	.0006	-.0003	.0000	.0264

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: ICB Acquired: 6/12/2010 14:30:19 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0011	.0001	.0118	.0010	.0009	.0000	.0000	-.0009
Stddev	.0026	.0000	.0100	.0001	.0004	.0000	.000	.0013
%RSD	241.2	49.89	84.19	11.12	44.61	108.6	113.5	139.3

#1	.0008	.0001	.0048	.0010	.0012	.0000	-.0001	.0000
#2	-.0029	.0001	.0189	.0009	.0006	.0000	.0000	-.0018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Si2516	Ti3361	Ti1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0018	-.0001	.0008	.0016	-.00001	.0010
Stddev	.0091	.0002	.0006	.0005	.00007	.0015
%RSD	502.9	134.0	74.15	33.22	676.01	145.1

#1	-.0082	-.0003	.0004	.0012	-.00006	.0000
#2	.0046	.0000	.0013	.0020	.00004	.0021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6360.0	137520.	10452.	1428.2
Stddev	1.4	51.	68.	2.2
%RSD	.02265	.03734	.64973	.15566

#1	6359.0	137480.	10404.	1426.6
#2	6361.0	137550.	10500.	1429.8

Sample Name: CCVA1 Acquired: 6/12/2010 14:32:51 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2529	.2387	.2500	.2523	.2614	.25023	.2547	.2504
Stddev	.0004	.0017	.0001	.0007	.0008	.00001	.0004	.0007
%RSD	.1689	.6956	.0587	.2739	.3083	.00200	.1697	.2894

#1	.2532	.2399	.2501	.2527	.2619	.25023	.2544	.2499
#2	.2526	.2375	.2499	.2518	.2608	.25024	.2550	.2509

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2504	.2495	.2551	.2492	.2525	.2533	.2532	.2647
Stddev	.0008	.0008	.0055	.0006	.0003	.0011	.0004	.0009
%RSD	.3100	.3353	2.166	.2496	.1379	.4272	.1716	.3393

#1	.2499	.2501	.2590	.2497	.2523	.2525	.2535	.2653
#2	.2510	.2489	.2512	.2488	.2527	.2541	.2529	.2640

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range								

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2510	.2815	.2569	.2463	.2485	.2485	.2495	2.559
Stddev	.0013	.0101	.0008	.0002	.0001	.0007	.0001	.002
%RSD	.5147	3.596	.3228	.0889	.0334	.2930	.0351	.0883

#1	.2501	.2886	.2563	.2462	.2484	.2480	.2495	2.560
#2	.2520	.2743	.2575	.2465	.2485	.2490	.2496	2.557

Check ?	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range								

Sample Name: CCVA1 Acquired: 6/12/2010 14:32:51 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2496	.2502	.2810	.2546	.2478	.2532	.2489	-.0035
Stddev	.0017	.0002	.0239	.0007	.0001	.0005	.0004	.0007
%RSD	.6630	.0790	8.511	.2927	.0357	.1975	.1729	20.26
#1	.2484	.2504	.2980	.2540	.2478	.2528	.2493	-.0030
#2	.2508	.2501	.2641	.2551	.2477	.2535	.2486	-.0040

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range								

Elem	Si2516	Ti3361	Ti1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1270	.2508	.2540	-.0018	-.00006	.0053
Stddev	.0052	.0010	.0003	.0020	.00010	.0010
%RSD	4.088	.3849	.0984	113.8	164.38	19.44
#1	.1306	.2501	.2542	-.0003	-.00013	.0045
#2	.1233	.2515	.2538	-.0032	.00001	.0060

Check ?	None	Chk Pass	Chk Pass	None	None	None
Value Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6450.1	138960.	10493.	1456.5
Stddev	13.0	27.	6.	5.7
%RSD	.20094	.01916	.05964	.38978
#1	6459.3	138940.	10497.	1460.5
#2	6440.9	138970.	10488.	1452.5

Sample Name: CCVB1 Acquired: 6/12/2010 14:35:50 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.763	9.883	.0011	1.010	10.35	-.00001	.0027	-.0002
Stddev	.014	.011	.0007	.001	.02	.00003	.0017	.0001
%RSD	.2089	.1131	61.77	.0937	.1608	311.23	62.34	27.84

#1	6.753	9.875	.0016	1.011	10.34	-.00003	.0015	-.0002
#2	6.773	9.891	.0006	1.009	10.36	.00001	.0039	-.0003

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None
Value Range								

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0045	10.20	.0000	.0002	-.0003	.0000	10.24
Stddev	.0000	.0001	.07	.0002	.0001	.0002	.0007	.04
%RSD	35.13	1.336	.6702	1375.	37.62	50.72	3684.	.4336

#1	.0000	.0044	10.25	-.0001	.0003	-.0002	.0005	10.27
#2	-.0001	.0045	10.15	.0001	.0002	-.0004	-.0004	10.21

Check ?	None	None	Chk Pass	None	None	None	None	Chk Pass
Value Range								

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	10.25	10.16	.0003	-.0005	-.0007	-.0001	10.05
Stddev	.0002	.04	.04	.0000	.0005	.0001	.0002	.04
%RSD	515.5	.3632	.3603	1.752	93.15	20.15	212.2	.4193

#1	-.0001	10.28	10.19	.0003	-.0002	-.0008	-.0002	10.08
#2	.0002	10.23	10.14	.0003	-.0008	-.0006	.0000	10.02

Check ?	None	Chk Pass	Chk Pass	None	None	None	None	Chk Pass
Value Range								

Sample Name: CCVB1 Acquired: 6/12/2010 14:35:50 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : :
 Comment: 061210C

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0001	10.12	.0006	.0006	-.0002	-.0001	10.12
Stddev	.0020	.0001	.07	.0001	.0004	.0001	.0000	.00
%RSD	2098.	121.9	.6927	10.35	63.63	31.83	28.03	.0271

#1	-.0015	.0002	10.17	.0007	.0009	-.0003	-.0001	10.11
#2	.0013	.0000	10.07	.0006	.0003	-.0002	-.0001	10.12

Check ?	None	None	Chk Pass	None	None	None	None	Chk Pass
Value								
Range								

Elem	Si2516	Ti3361	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.19	.0002	-.0003	1.004	1.0356	1.008
Stddev	.04	.0001	.0011	.007	.0054	.001
%RSD	.3486	63.40	364.9	.7324	.52293	.0680

#1	10.22	.0003	.0005	1.009	1.0395	1.007
#2	10.17	.0001	-.0010	.9989	1.0318	1.008

Check ?	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6400.5	137670.	10595.	1416.3
Stddev	4.6	131.	5.	.3
%RSD	.07113	.09545	.05173	.02293

#1	6403.7	137770.	10591.	1416.1
#2	6397.3	137580.	10599.	1416.5

Sample Name: CCB1 Acquired: 6/12/2010 14:40:02 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0001	-.0018	-.0013	.0003	-.00002	-.0003	.0000
Stddev	.0002	.0015	.0012	.0036	.0003	.00004	.0008	.0000
%RSD	115.9	1102.	66.31	278.8	103.7	192.80	252.9	7677.

#1	.0000	.0012	-.0009	.0012	.0004	.00001	.0003	.0000
#2	-.0002	-.0010	-.0026	-.0038	.0001	-.00005	-.0009	.0000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0002	.0047	.0002	-.0001	.0000	-.0005	-.0013
Stddev	.000	.0000	.0024	.0001	.0004	.0002	.0005	.0028
%RSD	46.02	3.344	50.83	33.19	241.2	734.1	95.66	210.9

#1	.0000	-.0002	.0064	.0001	-.0004	-.0001	-.0008	-.0033
#2	.0000	-.0002	.0030	.0002	.0001	.0001	-.0002	.0007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0112	.0006	.0002	.0013	-.0008	.0000	.0381
Stddev	.0005	.0227	.0006	.0001	.0014	.0001	.0000	.0125
%RSD	120.5	202.4	96.49	24.64	105.8	16.24	3.807	32.91

#1	.0008	.0273	.0011	.0003	.0003	-.0009	.0000	.0470
#2	.0001	-.0048	.0002	.0002	.0023	-.0007	.0000	.0292

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB1 Acquired: 6/12/2010 14:40:02 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0012	-0.0001	-0.0097	.0001	.0004	.0000	.0000	-0.0007
Stddev	.0013	.0004	.0211	.0002	.0001	.0000	.0001	.0008
%RSD	108.0	699.0	216.4	358.7	14.59	117.3	612.8	114.2
#1	-0.0021	.0002	-.0246	-.0001	.0003	.0000	.0001	-.0001
#2	-0.0003	-0.0003	.0052	.0002	.0004	.0000	.0000	-.0012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2516	Ti3361	Ti1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0065	-0.0002	.0000	-0.0010	.00013	-0.0021
Stddev	.0009	.0000	.001	.0030	.00004	.0013
%RSD	14.02	15.66	2931.	309.2	32.056	61.44
#1	-0.0058	-0.0002	.0004	.0012	.00016	-0.0012
#2	-0.0071	-0.0002	-0.0005	-0.0031	.00010	-0.0030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6388.0	137810.	10449.	1438.0
Stddev	14.7	892.	55.	.9
%RSD	.22959	.64751	.52326	.05940
#1	6377.6	138440.	10488.	1437.4
#2	6398.3	137180.	10411.	1438.6

Sample Name: CRI Acquired: 6/12/2010 14:42:35 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C ICP7-41-A

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0500	.0440	.0476	.0974	.0049	.00480	.0475	.0050	.0050
Stddev	.0004	.0025	.0009	.0010	.0003	.00001	.0003	.0000	.0000
%RSD	.7210	5.674	1.873	1.074	6.556	.29015	.5912	.5061	.9247

#1	.0497	.0423	.0470	.0967	.0051	.00479	.0473	.0050	.0049
#2	.0502	.0458	.0483	.0982	.0046	.00481	.0477	.0050	.0050

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055	.0451	.0049	.0103	.0097	.0099	.0172	.0479	.0151
Stddev	.0001	.0004	.0002	.0002	.0001	.0000	.0007	.0000	.0067
%RSD	1.235	.9583	4.022	2.304	.9455	.1771	4.128	.0280	44.27

#1	.0054	.0454	.0051	.0101	.0098	.0099	.0167	.0479	.0104
#2	.0055	.0448	.0048	.0104	.0097	.0099	.0177	.0479	.0198

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207	.0047	.0045	.0084	.0192	.4276	.0959	.0096	.1888
Stddev	.0009	.0000	.0000	.0001	.0002	.0709	.0017	.0003	.0052
%RSD	4.410	.2363	.3108	.9748	1.221	16.58	1.792	3.376	2.740

#1	.0200	.0047	.0045	.0084	.0190	.4777	.0971	.0098	.1924
#2	.0213	.0047	.0045	.0085	.0193	.3774	.0947	.0094	.1851

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CRI Acquired: 6/12/2010 14:42:35 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C ICP7-41-A

Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0497	.0099	.0095	.0096	.1931	.3985	.0096	.1949	.0091
Stddev	.0002	.0001	.0002	.0001	.0018	.0051	.0001	.0003	.0011
%RSD	.3645	1.299	1.929	1.199	.9074	1.290	1.257	.1415	12.57
#1	.0498	.0098	.0094	.0095	.1944	.4021	.0095	.1951	.0083
#2	.0496	.0100	.0097	.0096	.1919	.3949	.0097	.1947	.0100

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sr4077	S_1820
Units	ppm	ppm
Avg	.00971	.0020
Stddev	.00009	.0001
%RSD	.90524	5.054
#1	.00965	.0019
#2	.00978	.0021

Check ? Chk Pass None
 Value
 Range

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6435.8	139000.	10640.	1457.7
Stddev	30.9	340.	20.	5.6
%RSD	.47977	.24468	.18473	.38665
#1	6457.6	138760.	10626.	1461.7
#2	6413.9	139240.	10654.	1453.7

Sample Name: CRI Acquired: 6/12/2010 14:45:40 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C ICAP ICP7-39-B 0.1/10

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021	.0032	.0075	.0092	.0019	.00014	.0094	.0005
Stddev	.0001	.0011	.0018	.0017	.0005	.00001	.0001	.0000
%RSD	4.839	33.36	23.74	18.26	28.63	8.3069	.6567	.4594
#1	.0021	.0025	.0088	.0081	.0023	.00015	.0093	.0005
#2	.0020	.0040	.0062	.0104	.0015	.00013	.0094	.0005

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0005	.0007	.0022	.0010	.0018	.0018	.0092
Stddev	.0000	.0001	.0014	.0002	.0002	.0005	.0005	.0006
%RSD	1.994	9.318	208.0	9.877	15.52	24.90	25.70	7.010
#1	.0005	.0006	.0016	.0024	.0009	.0015	.0021	.0087
#2	.0005	.0005	-.0003	.0020	.0012	.0022	.0015	.0096

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094	.0128	.0042	.0006	.0006	F .0010	.0017	.1056
Stddev	.0006	.0199	.0024	.0000	.0004	.0000	.0001	.0312
%RSD	6.711	155.6	57.69	1.995	71.43	2.867	5.970	29.52
#1	.0089	-.0013	.0060	.0006	.0003	.0010	.0016	.0836
#2	.0098	.0268	.0025	.0006	.0009	.0010	.0017	.1276

Check ? Chk Pass None None Chk Pass None Chk Fail Chk Pass Chk Pass
 Value
 Range

Handwritten notes:
 .0020
 -50.00%
 OK
 over
 NDL
 MUMU
 6/12/10

Sample Name: CRI Acquired: 6/12/2010 14:45:40 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C ICAP ICP7-39-B 0.1/10

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0181	.0019	.1834	.0095	.0024	.0020	.0019	.0154
Stddev	.0004	.0001	.0205	.0001	.0000	.0001	.0001	.0022
%RSD	1.945	5.910	11.21	.6192	1.278	7.394	3.243	14.56
#1	.0184	.0018	.1979	.0094	.0023	.0019	.0019	.0170
#2	.0179	.0020	.1688	.0095	.0024	.0021	.0020	.0138

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2516	Ti3361	Ti1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0502	.0007	.0098	.0059	.00011	.0536
Stddev	.0021	.0000	.0005	.0001	.00002	.0014
%RSD	4.087	1.193	5.039	1.777	14.515	2.572
#1	.0488	.0007	.0101	.0060	.00010	.0546
#2	.0517	.0007	.0094	.0058	.00013	.0526

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6523.9	140910.	10728.	1473.3
Stddev	19.5	319.	41.	4.2
%RSD	.29852	.22655	.38051	.28410
#1	6537.6	141140.	10756.	1476.3
#2	6510.1	140690.	10699.	1470.4

Sample Name: ICSA Acquired: 6/12/2010 14:48:14 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C ICP7-43-B

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.06	460.3	.0131	-.0123	.0002	-.00045	.0109	-.0039
Stddev	.10	3.8	.0008	.0018	.0001	.00001	.0002	.0001
%RSD	.6087	.8174	5.925	14.35	36.53	3.0140	2.097	3.821

#1	15.99	457.6	.0126	-.0110	.0002	-.00046	.0111	-.0038
#2	16.13	462.9	.0137	-.0135	.0003	-.00044	.0108	-.0040

Check ?	None	Chk Pass	None	None	None	None	None	None
Value Range								

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	-.0011	478.1	-.0001	-.0013	-.0055	.0007	183.3
Stddev	.0002	.0002	1.5	.0001	.0004	.0006	.0004	3.8
%RSD	13.93	14.40	.3120	139.6	33.25	11.04	58.85	2.059

#1	.0013	-.0012	477.0	.0000	-.0010	-.0051	.0009	180.6
#2	.0011	-.0010	479.1	-.0001	-.0016	-.0059	.0004	186.0

Check ?	None	None	Chk Pass	None	None	None	None	Chk Pass
Value Range								

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065	521.3	412.9	.0170	-.0076	-.0007	.0028	-.0726
Stddev	.0007	3.2	4.3	.0001	.0029	.0003	.0002	.0652
%RSD	10.64	.6178	1.033	.8421	38.69	49.40	8.767	89.86

#1	.0070	519.0	415.9	.0171	-.0096	-.0005	.0030	-.0265
#2	.0060	523.5	409.9	.0169	-.0055	-.0010	.0026	-.1187

Check ?	None	Chk Pass	None	None	None	None	None	None
Value Range								

Sample Name: ICSA Acquired: 6/12/2010 14:48:14 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C ICP7-43-B

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0181	-.0001	.0058	.0001	.0013	-.0045	-.0035	.0303
Stddev	.0033	.0002	.0025	.0000	.0002	.0002	.0003	.0016
%RSD	18.21	157.0	43.58	28.58	12.05	4.388	9.668	5.429

#1	-.0204	.0000	.0076	.0001	.0014	-.0047	-.0032	.0291
#2	-.0158	-.0002	.0040	.0001	.0012	-.0044	-.0037	.0314

Check ?	None	None	None	None	None	None	None	None
Value Range								

Elem	Si2516	Ti3361	Ti1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0036	-.0063	.0039	-.00113	.0220
Stddev	.0161	.0002	.0003	.0001	.00020	.0021
%RSD	1253.	5.708	5.317	1.709	18.072	9.608

#1	.0126	.0038	-.0061	.0040	-.00127	.0206
#2	-.0101	.0035	-.0065	.0039	-.00099	.0235

Check ?	None	None	None	None	None	None
Value Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5946.1	125680.	10222.	1225.5
Stddev	26.3	279.	46.	7.7
%RSD	.44255	.22181	.44968	.62600

#1	5964.7	125870.	10255.	1230.9
#2	5927.5	125480.	10190.	1220.1

Sample Name: ICSAB Acquired: 6/12/2010 14:52:35 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C ICP7-38-C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.93	472.7	.9582	-.0105	.5168	.49060	.0118	.9697
Stddev	.07	1.1	.0040	.0015	.0011	.00027	.0006	.0020
%RSD	.4511	.2301	.4221	14.32	.2214	.05565	5.209	.2029
#1	15.88	473.5	.9553	-.0095	.5176	.49079	.0122	.9683
#2	15.98	471.9	.9610	-.0116	.5160	.49041	.0113	.9711

Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value								
Range								

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8881	.9075	478.0	.4790	.4499	.4740	.4813	182.9
Stddev	.0054	.0026	1.8	.0032	.0015	.0009	.0010	1.2
%RSD	.6089	.2875	.3813	.6778	.3391	.1925	.2145	.6738
#1	.8843	.9057	476.7	.4813	.4488	.4747	.4820	183.8
#2	.8919	.9094	479.3	.4767	.4510	.4734	.4806	182.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9869	524.0	414.9	.4828	.4843	-.0013	.8751	-.1025
Stddev	.0014	1.8	3.1	.0039	.0014	.0003	.0056	.0030
%RSD	.1428	.3437	.7550	.7993	.2898	20.37	.6440	2.892
#1	.9879	525.3	417.1	.4855	.4853	-.0015	.8711	-.1004
#2	.9859	522.7	412.7	.4801	.4833	-.0011	.8791	-.1046

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value								
Range								

Sample Name: ICSAB Acquired: 6/12/2010 14:52:35 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C ICP7-38-C

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0122	.9730	.0099	.0022	.4837	.9725	.8842	.0200
Stddev	.0007	.0018	.0053	.0004	.0027	.0000	.0029	.0036
%RSD	6.084	.1884	53.76	19.87	.5518	.0051	.3328	18.04
#1	-.0117	.9743	.0137	.0019	.4856	.9724	.8821	.0225
#2	-.0127	.9717	.0062	.0025	.4818	.9725	.8863	.0174
Check ?	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value Range								

Elem	Si2516	Ti3361	Ti1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0146	.0036	-.0039	.0036	-.00689	.0248
Stddev	.0053	.0003	.0003	.0025	.00011	.0006
%RSD	36.57	7.227	7.603	71.05	1.5683	2.290
#1	.0108	.0038	-.0041	.0054	-.00681	.0244
#2	.0184	.0034	-.0037	.0018	-.00696	.0252
Check ?	None	None	None	None	None	None
Value Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6028.9	127320.	10291.	1237.4
Stddev	23.9	750.	44.	2.2
%RSD	.39639	.58941	.42957	.18072
#1	6045.8	126790.	10260.	1235.8
#2	6012.0	127850.	10322.	1239.0

Sample Name: RB Acquired: 6/12/2010 14:57:44 Type: Unk
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	F -.0005	-.0019	-.0004	F .0002	-.00003	F -.0017	.0000
#1	.0002	-.0032	-.0019	-.0010	.0002	-.00007	-.0016	.0000
#2	.0001	.0023	-.0020	.0002	.0002	.00000	-.0019	.0000
Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	F .0090	F .0003	-.0001	.0002	.0000	F .0026
#1	.0000	.0000	.0105	.0002	-.0002	.0001	.0002	.0020
#2	.0000	.0000	.0074	.0005	.0000	.0002	-.0001	.0032
Elem	Pb2203	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F .0008	.0000	-.0011	-.0001	F -.0676	-.0013	.0000
#1	.0012	.0015	-.0001	-.0011	-.0002	-.0374	-.0021	.0001
#2	-.0011	.0000	.0000	-.0011	-.0001	-.0978	-.0005	-.0002
Elem	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0370	-.0007	.0004	F .0001	F .0001	-.0083	-.0135	.0000
#1	-.0418	-.0007	.0007	.0001	.0002	-.0076	-.0081	.0000
#2	-.0322	-.0007	.0002	.0000	.0000	-.0090	-.0189	-.0001
Elem	Tl1908	Li6707	Sr4077	S_1820				
Units	ppm	ppm	ppm	ppm				
Avg	.0002	-.0023	.00011	-.0010				
#1	-.0002	-.0034	.00014	-.0002				
#2	.0006	-.0013	.00008	-.0018				
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	6406.3	136330.	10302.	1432.0				
#1	6423.7	136080.	10299.	1436.3				
#2	6389.0	136590.	10306.	1427.6				

Sample Name: K1005434-002 Acquired: 6/12/2010 15:01:14 Type: Unk
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C 1/10

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0102	F .0065	.0000	.0005	F .0001	-.00003	F .0201	.0000
#1	.0103	.0047	-.0006	.0000	.0003	-.00004	.0198	.0000
#2	.0102	.0082	.0006	.0009	-.0001	-.00002	.0205	.0000
Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	.3400	F .0000	.0001	.0002	.0002	F .0123
#1	.0000	-.0002	.3412	-.0001	.0000	.0001	.0004	.0118
#2	.0000	-.0001	.3387	.0001	.0001	.0004	-.0001	.0127
Elem	Pb2203	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.3356	.0016	-.0009	.0002	F .4633	.0001	.0003
#1	-.0001	.3375	.0016	-.0010	.0004	.4756	-.0006	.0004
#2	-.0008	.3337	.0016	-.0008	.0001	.4509	.0008	.0003
Elem	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 16.22	-.0004	.0077	F .0003	F .0002	.0201	.8459	.0007
#1	16.27	-.0007	.0074	.0004	.0002	.0204	.8477	.0007
#2	16.17	-.0001	.0080	.0003	.0003	.0199	.8441	.0008
Elem	Tl1908	Li6707	Sr4077	S_1820				
Units	ppm	ppm	ppm	ppm				
Avg	-.0003	.0004	.00332	1.269				
#1	.0003	.0023	.00333	1.264				
#2	-.0009	-.0015	.00331	1.274				
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	6672.0	143240.	10951.	1507.4				
#1	6680.1	142800.	11004.	1509.4				
#2	6664.0	143670.	10898.	1505.4				

*Reducte
 unknk
 6/12/10*

Sample Name: K1005448-MB Acquired: 6/12/2010 15:05:17 Type: Unk

Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000

User: admin : : :

Comment: 061210C 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0024	-.0009	.0002	-.0011	.0003	-.00007	.0006	-.0001

#1	.0023	-.0007	-.0013	-.0011	.0003	-.00007	.0002	-.0001
#2	.0025	-.0010	.0017	-.0011	.0003	-.00008	.0011	-.0001

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	.0046	.0008	-.0001	.0003	.0010	-.0026

#1	-.0001	-.0001	.0047	.0008	-.0001	.0003	.0012	-.0024
#2	.0000	.0000	.0045	.0007	-.0001	.0003	.0009	-.0028

Elem	Pb2203	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.0016	.0001	-.0010	.0000	-.0104	.0003	-.0003

#1	-.0010	.0006	.0001	-.0010	.0001	-.0051	.0002	.0000
#2	-.0006	.0026	.0001	-.0011	-.0002	-.0158	.0003	-.0006

Elem	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0164	F .0212	.0006	.0007	.0008	.0131	.0012	-.0003

#1	-.0108	.0213	.0008	.0007	.0008	.0109	.0041	-.0003
#2	-.0220	.0212	.0004	.0006	.0007	.0153	-.0016	-.0002

Elem	Tl1908	Li6707	Sr4077	S_1820				
Units	ppm	ppm	ppm	ppm				
Avg	-.0014	-.0024	-.00006	-.0013				

#1	-.0015	-.0014	-.00012	-.0016				
#2	-.0013	-.0034	.00001	-.0010				

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	6598.3	141780.	10647.	1488.3				

#1	6614.2	141680.	10658.	1491.9				
#2	6582.5	141870.	10636.	1484.7				

Sample Name: LCSS Acquired: 6/12/2010 15:07:50 Type: Unk
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	46.42	.4262	.4687	2.167	.31023	.5468	.4483	.4159	.4633
#1	46.28	.4262	.4711	2.175	.30998	.5467	.4487	.4161	.4638
#2	46.56	.4261	.4664	2.159	.31047	.5470	.4480	.4157	.4628
Elem	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.32	.6965	.9161	1.154	1.269	82.19	.5280	20.80	2.344
#1	48.55	.6968	.9161	1.155	1.269	82.84	.5293	20.69	2.351
#2	48.08	.6962	.9162	1.153	1.268	81.54	.5266	20.91	2.338
Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2974	.9381	21.86	.9497	.4108	3.604	.7589	.8501	1.472
#1	.2975	.9380	21.78	.9534	.4113	3.582	.7590	.8500	1.473
#2	.2973	.9381	21.94	.9459	.4102	3.627	.7587	.8501	1.471
Elem	Zn2138	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077	S_1820	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	1.498	5.069	14.52	2.429	1.268	.0422	.64523	2.215	
#1	1.501	5.077	14.52	2.430	1.268	.0413	.64624	2.220	
#2	1.495	5.061	14.52	2.428	1.268	.0430	.64422	2.210	
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	7154.6	153680.	11704.	1494.1					
#1	7175.5	153730.	11618.	1497.0					
#2	7133.6	153640.	11789.	1491.3					

Sample Name: LCSW Acquired: 6/12/2010 15:11:46 Type: Unk
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C 1/2

Elem Units Avg	Al3944 ppm 2.006	Sb2068 ppm .5203	As1890 ppm .5250	Ba4554 ppm 2.104	Be2348 ppm .05201	B_2496 ppm .5191	Cd2144 ppm .0488	Cd2265 ppm .0485	Cd2288 ppm .0523
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#1	2.005	.5205	.5249	2.102	.05194	.5185	.0487	.0486	.0522
#2	2.006	.5202	.5251	2.106	.05207	.5196	.0490	.0485	.0524

Elem Units Avg	Ca3158 ppm 5.107	Cr2677 ppm .2013	Co2307 ppm .4972	Cu2247 ppm .2440	Cu3273 ppm .2644	Fe2599 ppm 1.017	Pb2203 ppm .4940	Mg2852 ppm 5.317	Mn2576 ppm .4885
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#1	5.110	.2006	.4963	.2433	.2647	1.009	.4917	5.318	.4854
#2	5.104	.2021	.4981	.2447	.2641	1.024	.4963	5.316	.4917

Elem Units Avg	Mo2020 ppm .4984	Ni2216 ppm .4904	K_7664 ppm 5.303	Se1960 ppm .4862	Ag3280 ppm .0516	Na5895 ppm 5.257	Sn1899 ppm .0204	V_2924 ppm .5006	Zn2062 ppm .4965
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#1	.4973	.4891	5.312	.4846	.0512	5.266	.0197	.4979	.4952
#2	.4995	.4917	5.294	.4878	.0520	5.248	.0211	.5032	.4978

Elem Units Avg	Zn2138 ppm .5077	P_2149 ppm .0107	Si2516 ppm .0203	Ti3361 ppm -.0001	Tl1908 ppm .5002	Li6707 ppm -.0008	Sr4077 ppm .00001	S_1820 ppm 2.581
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#1	.5074	.0093	.0208	.0000	.4988	-.0016	-.00004	2.576
#2	.5080	.0121	.0197	-.0002	.5015	.0001	.00007	2.586

Int. Std. Units Avg	Y_2243 Cts/S 6848.0	Y_3600 Cts/S 147450.	Y_3600-2 Cts/S 11288.	In2306 Cts/S 1534.4
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#1	6851.5	147550.	11294.	1537.4
#2	6844.6	147350.	11283.	1531.3

Sample Name: K1005244-003 Acquired: 6/12/2010 15:14:53 Type: Unk

Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000

User: admin : : :

Comment: 061210C 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 267.0	.0028	-.0002	.0685	.00138	.1742	.0000	.0000

#1	267.6	.0028	.0001	.0685	.00138	.1742	-.0001	.0000
#2	266.4	.0027	-.0004	.0684	.00138	.1743	.0001	-.0001

Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	F 14.46	.3010	.0012	1.637	1.535	6.064	.0189

#1	-.0001	14.45	.3006	.0011	1.629	1.541	6.071	.0195
#2	-.0001	14.46	.3015	.0013	1.644	1.529	6.057	.0182

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 40.30	1.819	.0010	.0213	F 522.9	.0018	.0001	F 734.0

#1	40.39	1.811	.0009	.0211	525.9	.0032	-.0001	728.3
#2	40.20	1.826	.0012	.0216	520.0	.0003	.0003	739.6

Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0245	.1212	1.211	1.044	.1763	5.780	.8943	-.0031

#1	.0242	.1207	1.207	1.042	.1819	5.774	.8927	-.0017
#2	.0248	.1217	1.216	1.045	.1707	5.786	.8960	-.0045

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0752	.56467	.2909

#1	.0763	.56516	.2880
#2	.0741	.56417	.2939

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6310.3	131450.	10730.	1247.4

#1	6318.1	131870.	10753.	1250.4
#2	6302.5	131020.	10707.	1244.5

Sample Name: CCVA2 Acquired: 6/12/2010 15:19:20 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2632	.2445	.2599	.2599	.2733	.26142	.2619	.2606	.2595
Stddev	.0008	.0012	.0010	.0010	.0007	.00030	.0010	.0005	.0002
%RSD	.2939	.5028	.4036	.3950	.2579	.11448	.3991	.2048	.0750
#1	.2637	.2436	.2591	.2606	.2738	.26121	.2612	.2602	.2597
#2	.2626	.2454	.2606	.2591	.2728	.26163	.2626	.2610	.2594

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2585	.2710	.2609	.2618	.2644	.2627	.2829	.2607	.2885
Stddev	.0002	.0027	.0000	.0002	.0001	.0012	.0014	.0003	.0046
%RSD	.0956	.9920	.0134	.0865	.0408	.4397	.4802	.1063	1.603
#1	.2586	.2729	.2610	.2620	.2645	.2619	.2820	.2606	.2853
#2	.2583	.2691	.2609	.2616	.2643	.2636	.2839	.2609	.2918

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2716	.2576	.2645	.2564	.2592	3.135	.2567	.2593	.4483
Stddev	.0009	.0010	.0025	.0000	.0003	.072	.0012	.0018	.0076
%RSD	.3449	.3934	.9342	.0195	.1204	2.295	.4639	.6811	1.696
#1	.2722	.2583	.2662	.2564	.2594	3.186	.2559	.2581	.4536
#2	.2709	.2569	.2627	.2563	.2590	3.084	.2576	.2606	.4429

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None
Value Range									

Sample Name: CCVA2 Acquired: 6/12/2010 15:19:20 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2635	.2579	.2641	.2583	-.0071	.1360	.2622	.2627	-.0024
Stddev	.0005	.0011	.0012	.0002	.0024	.0062	.0001	.0015	.0031
%RSD	.1950	.4442	.4432	.0715	33.01	4.533	.0282	.5532	130.6
#1	.2631	.2587	.2632	.2584	-.0055	.1403	.2621	.2617	-.0046
#2	.2638	.2571	.2649	.2582	-.0088	.1316	.2622	.2637	-.0002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value Range									

Elem	Sr4077	S_1820
Units	ppm	ppm
Avg	.00007	.0037
Stddev	.00006	.0016
%RSD	80.895	44.17
#1	.00003	.0025
#2	.00011	.0049

Check ?	None	None
Value Range		

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6469.1	138350.	10549.	1456.9
Stddev	.3	598.	11.	4.6
%RSD	.00503	.43207	.10313	.31232
#1	6469.3	137930.	10556.	1460.1
#2	6468.9	138770.	10541.	1453.6

Sample Name: CCVB2 Acquired: 6/12/2010 15:22:18 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : :
 Comment: 061210C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.474	9.972	-0.0005	1.032	10.19	-0.00004	.0014	-0.0002
Stddev	.007	.016	.0004	.005	.03	.00004	.0002	.0000
%RSD	.1112	.1580	86.49	.4552	.3195	99.912	11.13	17.00
#1	6.469	9.983	-0.0002	1.029	10.17	-0.00007	.0013	-0.0002
#2	6.479	9.961	-0.0008	1.036	10.21	-0.00001	.0015	-0.0003

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None
Value Range								

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0044	9.927	-0.0005	.0001	-0.0001	.0006	9.984
Stddev	.0001	.0001	.014	.0004	.0000	.0000	.0001	.011
%RSD	50.24	3.214	.1444	74.41	5.387	3.002	24.46	.1071
#1	-0.0001	.0045	9.916	-0.0007	.0001	-0.0001	.0007	9.992
#2	-0.0001	.0043	9.937	-0.0002	.0001	-0.0001	.0005	9.977

Check ?	None	None	Chk Pass	None	None	None	None	Chk Pass
Value Range								

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	9.967	10.33	.0002	.0003	-0.0007	-0.0003	10.68
Stddev	.0012	.006	.02	.0001	.0001	.0002	.0001	.02
%RSD	259.7	.0600	.2012	30.57	22.63	25.37	16.05	.1460
#1	-0.0013	9.971	10.34	.0002	.0004	-0.0006	-0.0003	10.69
#2	.0004	9.963	10.31	.0002	.0003	-0.0009	-0.0004	10.67

Check ?	None	Chk Pass	Chk Pass	None	None	None	None	Chk Pass
Value Range								

Sample Name: CCVB2 Acquired: 6/12/2010 15:22:18 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	-.0002	10.38	-.0006	.0003	-.0002	.0000	10.41
Stddev	.0014	.0004	.00	.0008	.0003	.0001	.000	.02
%RSD	185.3	216.9	.0202	132.4	115.6	41.14	55.94	.1932
#1	-.0018	-.0005	10.38	.0000	.0005	-.0001	-.0001	10.40
#2	.0002	.0001	10.37	-.0012	.0000	-.0002	.0000	10.43
Check ?	None	None	Chk Pass	None	None	None	None	Chk Pass
Value Range								

Elem	Si2516	Ti3361	Ti1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.44	.0002	.0015	1.021	1.0021	1.046
Stddev	.04	.0001	.0012	.003	.0000	.001
%RSD	.3808	66.03	80.17	.2676	.00330	.0520
#1	10.47	.0003	.0023	1.023	1.0021	1.045
#2	10.42	.0001	.0006	1.019	1.0021	1.046
Check ?	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6774.7	144310.	11145.	1498.2
Stddev	11.7	540.	33.	2.6
%RSD	.17198	.37411	.29448	.17134
#1	6783.0	143920.	11168.	1500.0
#2	6766.5	144690.	11122.	1496.4

Sample Name: CCB2 Acquired: 6/12/2010 15:26:29 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0012	-.0008	.0001	-.0002	-.00004	-.0013	-.0001
Stddev	.0002	.0001	.0018	.0004	.0003	.00001	.0001	.0001
%RSD	140.5	8.341	245.6	303.7	196.0	18.543	7.863	149.6
#1	.0000	.0011	-.0021	.0004	-.0004	-.00005	-.0012	-.0001
#2	-.0003	.0013	.0006	-.0002	.0001	-.00004	-.0013	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	-.0102	.0001	.0000	-.0002	.0005	-.0015
Stddev	.0000	.0001	.0018	.0002	.000	.0001	.0009	.0044
%RSD	37.82	171.0	17.63	265.4	657.6	46.02	175.6	292.6
#1	.0000	-.0001	-.0089	.0002	.0002	-.0002	.0012	.0016
#2	.0000	.0000	-.0115	-.0001	-.0003	-.0001	-.0001	-.0046

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	-.0068	.0013	.0000	-.0001	-.0010	-.0001	F .2570
Stddev	.0007	.0035	.0006	.0000	.0009	.0001	.0000	.0089
%RSD	72.45	51.30	47.22	49.39	1407.	10.71	28.95	3.470
#1	-.0014	-.0043	.0009	.0000	.0006	-.0011	-.0001	.2507
#2	-.0005	-.0093	.0017	.0001	-.0007	-.0009	-.0001	.2633

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit
 Low Limit .1000
 -.1000

*Wwwww
6/12/10*

Sample Name: CCB2 Acquired: 6/12/2010 15:26:29 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	-.0003	.0357	.0002	.0002	.0001	-.0001	-.0049
Stddev	.0009	.0002	.0058	.0003	.0002	.0000	.0000	.0007
%RSD	97.79	81.90	16.20	130.7	85.08	23.07	35.80	14.76
#1	-.0015	-.0004	.0316	.0000	.0001	.0000	-.0001	-.0044
#2	-.0003	-.0001	.0397	.0004	.0003	.0001	.0000	-.0055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2516	Ti3361	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044	.0000	.0004	-.0010	-.00013	-.0012
Stddev	.0041	.000	.0001	.0007	.00005	.0011
%RSD	93.77	1171.	34.06	62.71	39.005	98.49
#1	.0074	-.0002	.0003	-.0015	-.00010	-.0003
#2	.0015	.0002	.0005	-.0006	-.00017	-.0020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6733.2	144480.	11034.	1504.6
Stddev	5.9	1195.	65.	2.6
%RSD	.08823	.82688	.58735	.17214
#1	6737.4	145330.	10988.	1506.4
#2	6729.0	143640.	11080.	1502.8

checked 6/12/10

Sample Name: CCB2 Acquired: 6/12/2010 15:31:07 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C RERUN

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0009	-.0022	-.0010	.0004	-.00003	-.0012	.0000
Stddev	.0003	.0013	.0006	.0001	.0000	.00001	.0004	.0000
%RSD	27.48	141.4	28.40	13.63	2.252	53.760	30.10	961.1
#1	.0014	.0018	-.0026	-.0010	.0004	-.00004	-.0015	.0000
#2	.0010	.0000	-.0018	-.0009	.0004	-.00002	-.0009	.0000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0001	-.0037	-.0002	-.0001	.0000	.0002	-.0014
Stddev	.0000	.0001	.0004	.0001	.0001	.000	.0007	.0012
%RSD	3.433	155.6	11.14	26.45	121.0	988.9	344.4	83.39
#1	-.0001	.0000	-.0040	-.0002	.0000	-.0002	-.0003	-.0006
#2	-.0001	-.0001	-.0034	-.0002	-.0001	.0002	.0007	-.0022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0048	.0007	.0001	-.0002	-.0011	-.0002	F .1446
Stddev	.0006	.0071	.0007	.0000	.0000	.0000	.0000	.0045
%RSD	267.5	148.2	105.2	5.407	22.28	2.744	10.24	3.091
#1	.0002	-.0002	.0002	.0001	-.0002	-.0011	-.0002	.1477
#2	-.0006	.0098	.0011	.0001	-.0002	-.0011	-.0002	.1414

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								.1000
Low Limit								-.1000

Sample Name: CCB2 Acquired: 6/12/2010 15:31:07 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C RERUN

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0001	.0136	-.0004	.0005	.0000	.0000	-.0040
Stddev	.0003	.0005	.0147	.0007	.0003	.0001	.000	.0013
%RSD	204.6	392.0	107.4	168.2	54.38	340.8	24.87	32.08
#1	.0004	-.0005	.0033	.0001	.0003	-.0001	.0000	-.0031
#2	-.0001	.0002	.0240	-.0009	.0007	.0001	.0000	-.0050

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Si2516	Ti3361	Ti1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	-.0001	-.0004	-.0007	-.00008	-.0023
Stddev	.0020	.0000	.0014	.0014	.00006	.0007
%RSD	165.1	23.68	367.4	197.2	68.774	30.90
#1	.0026	-.0002	-.0014	.0003	-.00004	-.0028
#2	-.0002	-.0001	.0006	-.0017	-.00013	-.0018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6448.3	138490.	10506.	1446.8
Stddev	2.7	313.	32.	1.2
%RSD	.04123	.22607	.30574	.08520
#1	6446.4	138270.	10483.	1446.0
#2	6450.1	138720.	10529.	1447.7

Sample Name: K1005244-003L Acquired: 6/12/2010 15:35:32 Type: Unk

Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000

User: admin : : :

Comment: 061210C 1/10

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 54.84	-.0001	-.0003	.0139	.00029	F .0357	.0000	.0000
#1	54.92	.0007	-.0011	.0137	.00028	.0360	.0000	-.0001
#2	54.75	-.0009	.0005	.0142	.00031	.0354	.0000	.0000
Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	2.916	.0605	.0002	.3276	.3248	1.220	.0036
#1	-.0001	2.907	.0606	.0003	.3272	.3242	1.223	.0034
#2	.0000	2.925	.0604	.0002	.3280	.3255	1.217	.0037
Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.229	.3717	-.0009	.0043	F 107.8	-.0001	.0000	F 162.7
#1	8.243	.3712	-.0009	.0042	107.9	.0004	-.0001	161.9
#2	8.214	.3723	-.0009	.0044	107.8	-.0007	.0000	163.6
Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0249	.2354	F .2211	.0327	1.183	.1817	-.0002
#1	.0048	.0254	.2349	.2209	.0362	1.180	.1818	-.0003
#2	.0048	.0245	.2359	.2213	.0291	1.186	.1815	-.0001
Elem	Li6707	Sr4077	S_1820					
Units	ppm	ppm	ppm					
Avg	.0148	.11233	.0572					
#1	.0143	.11241	.0595					
#2	.0153	.11225	.0548					
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	6571.5	139980.	10933.	1388.1				
#1	6579.9	139630.	10938.	1390.6				
#2	6563.1	140340.	10927.	1385.6				

Sample Name: K1005448-001 Acquired: 6/12/2010 15:39:50 Type: Unk
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 15.61	.0091	.0114	.7508	.00013	.0783	.0040	.0044
#1	15.66	.0093	.0127	.7533	.00011	.0797	.0040	.0043
#2	15.56	.0089	.0102	.7482	.00014	.0770	.0041	.0044
Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044	F 75.53	.0547	.0162	1.672	1.814	F 15.44	.0698
#1	.0044	75.68	.0552	.0166	1.672	1.820	15.42	.0704
#2	.0044	75.39	.0542	.0159	1.673	1.807	15.46	.0691
Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 10.07	.3621	.0336	.0893	2.779	.0175	.0213	2.267
#1	10.14	.3630	.0336	.0893	2.768	.0174	.0218	2.278
#2	9.999	.3613	.0336	.0894	2.790	.0175	.0209	2.257
Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1113	.0644	2.400	2.424	49.76	6.336	.3392	-.0007
#1	.1108	.0646	2.399	2.421	49.76	6.350	.3417	-.0013
#2	.1118	.0642	2.401	2.427	49.77	6.322	.3366	.0000
Elem	Li6707	Sr4077	S_1820					
Units	ppm	ppm	ppm					
Avg	.0058	.33763	25.50					
#1	.0052	.33902	25.51					
#2	.0064	.33623	25.49					
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	6705.5	146560.	11182.	1477.7				
#1	6706.5	146090.	11238.	1479.5				
#2	6704.6	147020.	11126.	1475.8				

*Need 200.7
 sample
 6/12/10*

Sample Name: K1005448-002 Acquired: 6/12/2010 15:43:00 Type: Unk

Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000

User: admin : : :

Comment: 061210C 1/2 *BQL only - need 200.7*

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 10.87	.0079	.0080	.5816	.00009	.0613	.0030	.0034

#1	10.83	.0076	.0083	.5818	.00011	.0603	.0030	.0034
#2	10.92	.0082	.0076	.5815	.00008	.0623	.0031	.0034

Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033	F 63.93	.0524	.0123	1.341	1.417	F 13.09	.0528

#1	.0032	63.83	.0524	.0122	1.335	1.414	13.07	.0529
#2	.0033	64.03	.0524	.0125	1.348	1.421	13.12	.0527

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 20.63	.3886	.0313	.0754	4.603	.0169	.0211	2.017

#1	20.69	.3880	.0313	.0753	4.623	.0172	.0212	2.030
#2	20.57	.3891	.0314	.0754	4.583	.0167	.0211	2.005

Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0901	.0469	1.833	1.808	60.68	5.841	.3108	-.0004

#1	.0903	.0467	1.823	1.808	60.64	5.855	.3109	-.0001
#2	.0899	.0471	1.842	1.808	60.72	5.827	.3108	-.0007

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0032	.26796	21.99

#1	.0011	.26811	21.96
#2	.0052	.26781	22.02

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6540.2	141770.	10997.	1442.8

#1	6555.0	141670.	11051.	1447.8
#2	6525.5	141870.	10943.	1437.8

Sample Name: K1005448-002D Acquired: 6/12/2010 15:46:11 Type: Unk
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 10.62	.0041	.0095	.5648	.00013	.0620	.0031	.0034
#1	10.64	.0039	.0103	.5639	.00013	.0614	.0030	.0034
#2	10.59	.0044	.0088	.5657	.00013	.0626	.0031	.0033
Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033	F 62.17	.0475	.0143	1.280	1.353	F 12.71	.0502
#1	.0032	62.14	.0477	.0144	1.276	1.355	12.70	.0497
#2	.0034	62.19	.0474	.0142	1.283	1.352	12.72	.0507
Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 18.91	.3777	.0287	.0703	4.499	.0127	.0168	1.949
#1	18.83	.3778	.0287	.0703	4.493	.0136	.0168	1.935
#2	18.99	.3777	.0287	.0704	4.505	.0117	.0167	1.964
Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0847	.0445	1.671	1.662	57.46	6.106	.2912	-.0020
#1	.0841	.0450	1.666	1.661	57.45	6.098	.2913	-.0010
#2	.0853	.0440	1.676	1.664	57.48	6.115	.2911	-.0030
Elem	Li6707	Sr4077	S_1820					
Units	ppm	ppm	ppm					
Avg	.0017	.26292	21.45					
#1	.0006	.26227	21.46					
#2	.0028	.26357	21.43					
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	6506.8	141540.	10936.	1443.8				
#1	6515.1	141500.	10898.	1447.3				
#2	6498.4	141570.	10973.	1440.3				

Sample Name: K1005448-002S Acquired: 6/12/2010 15:49:23 Type: Unk
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C 1/2

Elem Units Avg	Al3944 ppm F 13.65	Sb2068 ppm .4613	As1890 ppm .4939	Ba4554 ppm 2.573	Be2348 ppm .04911	B_2496 ppm .5464	Cd2144 ppm .0490	Cd2265 ppm .0486
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#1	13.66	.4609	.4935	2.578	.04912	.5468	.0491	.0485
#2	13.64	.4617	.4944	2.568	.04911	.5460	.0490	.0487

Elem Units Avg	Cd2288 ppm .0519	Ca3158 ppm F 68.12	Cr2677 ppm .2366	Co2307 ppm .4790	Cu2247 ppm 1.563	Cu3273 ppm 1.668	Fe2599 ppm F 14.08	Pb2203 ppm .5196
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#1	.0517	68.19	.2386	.4773	1.559	1.664	14.13	.5183
#2	.0521	68.04	.2346	.4806	1.568	1.671	14.03	.5209

Elem Units Avg	Mg2852 ppm F 21.91	Mn2576 ppm .8265	Mo2020 ppm .4923	Ni2216 ppm .5325	K_7664 ppm F 9.399	Se1960 ppm .4608	Ag3280 ppm .0731	Na5895 ppm 6.960
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#1	21.83	.8299	.4913	.5320	9.337	.4608	.0732	6.908
#2	22.00	.8230	.4932	.5329	9.461	.4607	.0730	7.011

Elem Units Avg	Sn1899 ppm .0898	V_2924 ppm .5149	Zn2062 ppm 2.256	Zn2138 ppm 2.255	P_2149 ppm 55.67	Si2516 ppm 6.314	Ti3361 ppm .3261	Tl1908 ppm .4709
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#1	.0897	.5182	2.252	2.252	55.59	6.287	.3282	.4691
#2	.0900	.5116	2.259	2.258	55.75	6.340	.3240	.4728

Elem Units Avg	Li6707 ppm .0020	Sr4077 ppm .26923	S_1820 ppm 24.60
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#1	.0037	.26945	24.54
#2	.0003	.26902	24.65

Int. Std. Units Avg	Y_2243 Cts/S 6676.7	Y_3600 Cts/S 144400.	Y_3600-2 Cts/S 11179.	In2306 Cts/S 1466.1
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#1	6679.4	143770.	11131.	1466.2
#2	6674.0	145020.	11228.	1465.9

Sample Name: K1005133-001 Acquired: 6/12/2010 15:53:08 Type: Unk
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C 1/2

Elem Units Avg	Al3944 ppm	Sb2068 ppm	As1890 ppm	Ba4554 ppm	Be2348 ppm	B_2496 ppm	Cd2144 ppm	Cd2265 ppm
	F 37.32	.0085	.0146	1.341	.00060	.0964	.0047	.0055

#1	37.29	.0094	.0143	1.344	.00059	.0963	.0047	.0056
#2	37.35	.0075	.0148	1.339	.00060	.0965	.0047	.0055

Elem Units Avg	Cd2288 ppm	Ca3158 ppm	Cr2677 ppm	Co2307 ppm	Cu2247 ppm	Cu3273 ppm	Fe2599 ppm	Pb2203 ppm
	.0058	F 80.01	.1230	.0113	2.591	2.877	F 34.66	.1949

#1	.0057	80.00	.1228	.0114	2.588	2.876	34.59	.1934
#2	.0059	80.03	.1231	.0112	2.594	2.877	34.73	.1963

Elem Units Avg	Mg2852 ppm	Mn2576 ppm	Mo2020 ppm	Ni2216 ppm	K_7664 ppm	Se1960 ppm	Ag3280 ppm	Na5895 ppm
	F 18.74	.7504	.0388	.0782	F 10.70	.0259	.0351	3.060

#1	18.87	.7500	.0387	.0780	10.77	.0266	.0350	3.083
#2	18.61	.7507	.0390	.0784	10.63	.0252	.0353	3.036

Elem Units Avg	Sn1899 ppm	V_2924 ppm	Zn2062 ppm	Zn2138 ppm	P_2149 ppm	Si2516 ppm	Ti3361 ppm	Tl1908 ppm
	.1634	.0728	3.866	3.963	79.96	10.33	.6777	-.0008

#1	.1635	.0730	3.859	3.953	79.83	10.36	.6777	-.0011
#2	.1633	.0726	3.874	3.973	80.10	10.31	.6778	-.0005

Elem Units Avg	Li6707 ppm	Sr4077 ppm	S_1820 ppm
	.0141	.43004	46.52

#1	.0146	.43059	46.44
#2	.0136	.42949	46.60

Int. Std. Units Avg	Y_2243 Cts/S	Y_3600 Cts/S	Y_3600-2 Cts/S	In2306 Cts/S
	6828.4	149180.	11606.	1494.4

#1	6830.7	148930.	11665.	1496.3
#2	6826.1	149420.	11546.	1492.6

Sample Name: K1005509-002 Acquired: 6/12/2010 15:56:16 Type: Unk
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 84.75	.0043	.0245	.3637	.00165	.1444	-.0028	.0005

#1	84.96	.0051	.0247	.3634	.00160	.1438	-.0027	.0006
#2	84.54	.0035	.0244	.3640	.00171	.1451	-.0029	.0005

Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	F 24.76	.3672	.0589	.1297	.1372	F 145.9	.0469

#1	-.0004	24.76	.3669	.0587	.1297	.1373	145.7	.0465
#2	-.0005	24.77	.3675	.0592	.1297	.1371	146.2	.0474

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 77.29	1.823	.0011	.4410	F 10.34	-.0110	-.0001	F 35.02

#1	76.97	1.831	.0012	.4410	10.36	-.0132	.0000	35.00
#2	77.62	1.814	.0010	.4410	10.33	-.0088	-.0002	35.04

Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0262	.2191	.3457	F .3243	3.587	11.74	4.074	.0000

#1	.0266	.2188	.3450	.3243	3.589	11.72	4.053	.0009
#2	.0258	.2193	.3464	.3243	3.586	11.75	4.096	-.0009

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.1523	.16531	19.01

#1	.1517	.16512	18.99
#2	.1529	.16549	19.03

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6561.5	140160.	10879.	1377.5

#1	6569.0	140040.	10879.	1378.6
#2	6553.9	140270.	10878.	1376.5

Sample Name: K1005509-002D Acquired: 6/12/2010 16:00:34 Type: Unk
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 82.30	.0053	.0229	.3195	.00178	.1401	-.0026	.0005

#1	81.62	.0051	.0233	.3189	.00165	.1412	-.0026	.0005
#2	82.97	.0056	.0225	.3202	.00190	.1390	-.0026	.0005

Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	F 23.84	.3448	.0542	.1193	.1327	F 133.4	.0428

#1	-.0006	23.86	.3449	.0543	.1189	.1337	133.3	.0417
#2	-.0006	23.81	.3448	.0541	.1196	.1317	133.5	.0439

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 75.88	1.678	.0007	.4077	F 9.988	-.0095	.0000	F 34.78

#1	75.31	1.674	.0008	.4066	9.918	-.0106	.0000	34.73
#2	76.44	1.681	.0006	.4087	10.06	-.0085	.0000	34.83

Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0231	.2006	.3198	F .3172	3.229	11.53	3.818	.0012

#1	.0228	.2001	.3181	.3171	3.227	11.46	3.820	.0012
#2	.0235	.2010	.3215	.3173	3.231	11.61	3.816	.0011

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.1521	.16167	17.49

#1	.1524	.16187	17.52
#2	.1517	.16147	17.46

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6961.2	149640.	11634.	1461.0

#1	6979.1	149490.	11589.	1468.3
#2	6943.3	149790.	11679.	1453.7

Sample Name: K1005509-002S Acquired: 6/12/2010 16:04:51 Type: Unk
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 85.59	.1528	.5254	2.328	.05216	.6165	.0457	.0452
#1	85.49	.1539	.5255	2.326	.05206	.6176	.0456	.0450
#2	85.70	.1516	.5253	2.331	.05225	.6154	.0458	.0454
Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0489	F 29.01	.5431	.5137	.3626	.3861	F 140.2	.5270
#1	.0488	29.03	.5444	.5132	.3624	.3856	140.0	.5255
#2	.0490	28.99	.5417	.5142	.3628	.3865	140.4	.5285
Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 80.33	2.188	.4487	.8657	F 13.75	.4497	.0490	F 39.97
#1	80.33	2.206	.4482	.8642	13.75	.4455	.0495	40.07
#2	80.34	2.169	.4493	.8672	13.75	.4540	.0485	39.86
Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0242	.6779	.8192	.7949	3.259	10.91	4.001	.4812
#1	.0243	.6773	.8183	.7928	3.250	10.94	4.020	.4801
#2	.0241	.6785	.8200	.7969	3.268	10.89	3.982	.4823
Elem	Li6707	Sr4077	S_1820					
Units	ppm	ppm	ppm					
Avg	.1529	.16394	19.90					
#1	.1527	.16406	19.87					
#2	.1531	.16381	19.94					
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	6806.1	145480.	11132.	1425.1				
#1	6801.7	145050.	11132.	1424.7				
#2	6810.5	145910.	11132.	1425.6				

Sample Name: CCVA3 Acquired: 6/12/2010 16:09:04 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2633	.2472	.2569	.2609	.2680	.26237	.2639	.2583	.2583
Stddev	.0003	.0019	.0037	.0031	.0018	.00119	.0006	.0003	.0001
%RSD	.1153	.7816	1.456	1.191	.6761	.45522	.2158	.1241	.0203
#1	.2630	.2458	.2543	.2587	.2668	.26152	.2635	.2581	.2582
#2	.2635	.2485	.2596	.2631	.2693	.26321	.2643	.2585	.2583

Check ? Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2582	.2660	.2583	.2617	.2641	.2623	.2813	.2593	.2857
Stddev	.0001	.0037	.0011	.0001	.0000	.0015	.0041	.0001	.0073
%RSD	.0394	1.381	.4162	.0428	.0188	.5750	1.446	.0481	2.554
#1	.2581	.2634	.2576	.2618	.2641	.2612	.2842	.2592	.2909
#2	.2582	.2686	.2591	.2617	.2641	.2633	.2784	.2594	.2805

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass None
 Value
 Range

Elem	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2708	.2557	.2569	.2545	.2578	2.674	.2590	.2566	.3139
Stddev	.0031	.0010	.0004	.0003	.0004	.031	.0000	.0007	.0046
%RSD	1.129	.4098	.1697	.1321	.1717	1.149	.0162	.2676	1.454
#1	.2686	.2550	.2572	.2543	.2575	2.696	.2590	.2561	.3106
#2	.2730	.2565	.2566	.2547	.2582	2.652	.2590	.2571	.3171

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass None
 Value
 Range

Sample Name: CCVA3 Acquired: 6/12/2010 16:09:04 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Sn1899	V_2924	Zn2062	Zn2138	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2652	.2563	.2636	.2581	-.0089	.1386	.2600	.2630	-.0009
Stddev	.0008	.0002	.0005	.0002	.0012	.0031	.0001	.0009	.0008
%RSD	.2885	.0856	.1987	.0892	13.01	2.262	.0296	.3599	88.32
#1	.2646	.2561	.2632	.2583	-.0097	.1408	.2599	.2637	-.0014
#2	.2657	.2564	.2640	.2579	-.0081	.1363	.2601	.2623	-.0003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value Range									

Elem	Sr4077	S_1820
Units	ppm	ppm
Avg	.00020	.0020
Stddev	.00003	.0000
%RSD	17.546	2.129
#1	.00022	.0020
#2	.00017	.0021

Check ?	None	None
Value Range		

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6515.8	139590.	10648.	1466.9
Stddev	.8	411.	4.	.6
%RSD	.01253	.29413	.04073	.04413
#1	6515.2	139300.	10645.	1467.4
#2	6516.4	139880.	10651.	1466.5

Sample Name: CCVB3 Acquired: 6/12/2010 16:12:02 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.463	9.999	-0.0019	1.029	10.03	-0.00004	.0019	-0.0002
Stddev	.019	.029	.0017	.001	.11	.00000	.0027	.0001
%RSD	.2880	.2887	89.71	.1122	1.097	6.8444	138.8	30.22

#1	6.450	9.979	-0.0032	1.029	9.951	-0.00004	.0038	-0.0003
#2	6.477	10.02	-0.0007	1.030	10.11	-0.00004	.0000	-0.0002

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None
Value								
Range								

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0044	9.792	.0001	.0002	.0000	.0005	9.864
Stddev	.0000	.0000	.049	.0003	.0003	.000	.0001	.009
%RSD	15.47	.0048	.4981	565.9	186.6	20100.	28.59	.0964

#1	-0.0001	.0044	9.758	.0003	.0004	.0003	.0004	9.857
#2	-0.0001	.0044	9.827	-0.0002	-0.0001	-0.0003	.0006	9.871

Check ?	None	None	Chk Pass	None	None	None	None	Chk Pass
Value								
Range								

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	9.969	10.27	.0003	-0.0012	-0.0008	-0.0003	10.28
Stddev	.0004	.086	.02	.0000	.0008	.0001	.0001	.01
%RSD	38.18	.8580	.1974	3.794	66.36	11.76	41.41	.1264

#1	-0.0015	9.909	10.25	.0002	-0.0018	-0.0008	-0.0002	10.29
#2	-0.0008	10.03	10.28	.0003	-0.0006	-0.0009	-0.0004	10.27

Check ?	None	Chk Pass	Chk Pass	None	None	None	None	Chk Pass
Value								
Range								

Sample Name: CCVB3 Acquired: 6/12/2010 16:12:02 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	-0.0006	10.32	.0002	.0004	-0.0001	.0000	10.37
Stddev	.0011	.0006	.02	.0009	.0006	.0000	.000	.02
%RSD	113.0	99.08	.1513	486.0	138.2	11.85	234.7	.2092
#1	-0.0002	-0.0002	10.31	.0008	.0000	-0.0001	-0.0001	10.39
#2	-0.0018	-0.0011	10.33	-0.0005	.0008	-0.0001	.0000	10.36
Check ?	None	None	Chk Pass	None	None	None	None	Chk Pass
Value Range								

Elem	Si2516	Ti3361	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.40	.0002	.0006	1.008	.98774	1.042
Stddev	.07	.0000	.0004	.005	.00258	.003
%RSD	.6415	8.599	70.52	.5461	.26072	.2595
#1	10.44	.0002	.0009	1.012	.98592	1.043
#2	10.35	.0002	.0003	1.004	.98956	1.040
Check ?	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6796.1	145690.	11119.	1495.5
Stddev	10.7	56.	60.	.5
%RSD	.15788	.03822	.54253	.03616
#1	6803.7	145730.	11162.	1495.1
#2	6788.6	145650.	11076.	1495.9

Sample Name: CCB3 Acquired: 6/12/2010 16:16:13 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2144
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0014	-.0034	-.0006	.0002	-.00001	.0001	.0000
Stddev	.0001	.0014	.0008	.0005	.0003	.00004	.0014	.000
%RSD	7.825	100.4	22.80	95.38	144.3	255.70	1489.	1110.
#1	.0010	-.0004	-.0039	-.0002	.0000	.00001	-.0009	.0000
#2	.0011	-.0024	-.0028	-.0010	.0004	-.00004	.0011	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2265	Cd2288	Ca3158	Cr2677	Co2307	Cu2247	Cu3273	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0006	.0001	.0002	-.0003	.0009	-.0013
Stddev	.000	.000	.0060	.0001	.0003	.0002	.0006	.0020
%RSD	227.8	17.32	1055.	98.80	155.5	66.60	66.74	154.1
#1	.0000	.0000	.0048	.0002	.0000	-.0005	.0005	-.0028
#2	-.0001	.0000	-.0037	.0000	.0004	-.0002	.0013	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	-.0032	.0030	.0001	-.0002	-.0010	-.0001	-.0088
Stddev	.0004	.0024	.0004	.0001	.0014	.0002	.0001	.0230
%RSD	68.87	77.40	12.75	123.9	602.3	17.63	265.4	261.7
#1	-.0003	-.0049	.0033	.0000	.0007	-.0012	-.0002	.0075
#2	-.0009	-.0014	.0027	.0001	-.0012	-.0009	.0000	-.0251

Check ? Chk Pass None Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB3 Acquired: 6/12/2010 16:16:13 Type: QC
 Method: 2010b6010B(v5) Mode: CONC Corr. Factor: 1.000000
 User: admin : : :
 Comment: 061210C

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	Zn2138	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0003	.0127	-.0001	.0005	.0001	-.0001	-.0031
Stddev	.0026	.0004	.0046	.0002	.0001	.0000	.0000	.0007
%RSD	2410.	169.5	36.40	183.2	15.67	59.69	60.25	23.21
#1	.0018	-.0006	.0094	.0000	.0006	.0000	-.0001	-.0026
#2	-.0020	.0001	.0160	-.0002	.0005	.0001	.0000	-.0036

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2516	Ti3361	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0000	-.0002	.0011	.00002	-.0004
Stddev	.0115	.0000	.0003	.0014	.00008	.0018
%RSD	4949.	32.81	206.7	135.8	448.37	442.5
#1	.0079	.0000	-.0004	.0021	.00007	.0009
#2	-.0084	.0000	.0001	.0000	-.00004	-.0017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6770.9	145220.	10973.	1507.4
Stddev	22.3	455.	19.	3.0
%RSD	.32931	.31299	.17152	.19889
#1	6786.7	144900.	10986.	1505.3
#2	6755.1	145540.	10960.	1509.5

Sample List

Num	Label	Type	Weight	Volume	Dilution	Rack	Row	Column	Height
1	Cal. Blk	Blank	0 kg	0 ml	1.00	0	1	1	150
2	Cal. Stn	Fully Quant Standard	0 kg	0 ml	1.00	0	1	2	145
3	ICV1	Unknown	0 kg	0 ml	1.00	0	1	3	145
4	CCV1	Unknown	0 kg	0 ml	1.00	0	1	2	145
5	ICB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
6	CCB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
7	WATER CRA	Unknown	0 kg	0 ml	1.00	0	1	4	145
8	ICSA	Unknown	0 kg	0 ml	1.00	0	1	5	145
9	ICSAB	Unknown	0 kg	0 ml	1.00	0	1	6	145
10	K1005680-MB	Unknown	0 kg	0 ml	1.00	1	1	1	145
11	K1005680-001	Unknown	0 kg	0 ml	1.00	1	1	3	145
12	K1005680-002	Unknown	0 kg	0 ml	1.00	1	1	4	145
13	K1005680-002D	Unknown	0 kg	0 ml	1.00	1	1	5	145
14	K1005680-002S	Unknown	0 kg	0 ml	1.00	1	1	6	145
15	LCSW K1005680	Unknown	0 kg	0 ml	1.00	1	1	2	145
16	K1005589-001	Unknown	0 kg	0 ml	1.00	1	1	7	145
17	K1005589-002	Unknown	0 kg	0 ml	1.00	1	1	8	145
18	K1005768-001	Unknown	0 kg	0 ml	1.00	1	1	9	145
19	K1005768-002	Unknown	0 kg	0 ml	1.00	1	1	10	145
20	CCV2	Unknown	0 kg	0 ml	1.00	0	1	2	145
21	CCB2	Unknown	0 kg	0 ml	1.00	0	1	1	145
22	K1004769-MB 1/5	Unknown	0 kg	0 ml	1.00	1	1	11	145
23	LCSS K1004769 1/100	Unknown	0 kg	0 ml	1.00	1	1	12	145
24	K1004769-001 1/5	Unknown	0 kg	0 ml	1.00	1	2	1	145
25	K1004769-001 1/5D	Unknown	0 kg	0 ml	1.00	1	2	2	145
26	K1004769-001 1/25L	Unknown	0 kg	0 ml	1.00	1	2	3	145
27	K1004769-001 1/5 +50A	Unknown	0 kg	0 ml	1.00	1	2	4	145
28	K1004769-001 1/5	Unknown	0 kg	0 ml	1.00	1	2	4	145
29	^{+200A} K1004769-001 1/25S	Unknown	0 kg	0 ml	1.00	1	2	5	145
30	K1004913-002 1/5	Unknown	0 kg	0 ml	1.00	1	2	6	145
31	K1004913-003 1/5	Unknown	0 kg	0 ml	1.00	1	2	7	145
32	CCV3	Unknown	0 kg	0 ml	1.00	0	1	2	145
33	CCB3	Unknown	0 kg	0 ml	1.00	0	1	1	145
34	K1004913-002 1/100	Unknown	0 kg	0 ml	1.00	1	2	6	145
35	K1004798-001 1/5	Unknown	0 kg	0 ml	1.00	1	2	8	145
36	K1004798-001 1/5D	Unknown	0 kg	0 ml	1.00	1	2	9	145
37	K1004798-001 1/25S	Unknown	0 kg	0 ml	1.00	1	2	10	145
38	K1005509-MB 1/5	Unknown	0 kg	0 ml	1.00	1	2	11	145
39	LCSW K1005509 1/25	Unknown	0 kg	0 ml	1.00	1	3	1	145
40	LCSS K1005509 1/100	Unknown	0 kg	0 ml	1.00	1	2	12	145
41	K1005509-002 1/5	Unknown	0 kg	0 ml	1.00	1	3	2	145
42	K1005509-002 1/25L	Unknown	0 kg	0 ml	1.00	1	3	3	145
43	K1005509-002 1/5 +50A	Unknown	0 kg	0 ml	1.00	1	3	4	145
44	CCV4	Unknown	0 kg	0 ml	1.00	0	1	2	145
45	CCB4	Unknown	0 kg	0 ml	1.00	0	1	1	145
46	K1005244-003 1/5	Unknown	0 kg	0 ml	1.00	1	3	5	145
47	K1005448-001 1/5	Unknown	0 kg	0 ml	1.00	1	3	6	145
48	K1005448-001 1/5D	Unknown	0 kg	0 ml	1.00	1	3	7	145

49	K1005448-001 1/25S	Unknown	0 kg	0 ml	1.00	1	3	8	145
50	K1005448-002 1/5	Unknown	0 kg	0 ml	1.00	1	3	9	145
51	K1005658-MB 1/5	Unknown	0 kg	0 ml	1.00	1	3	10	145
52	LCSW K1005658 1/25	Unknown	0 kg	0 ml	1.00	1	3	11	145
53	K1005658-002 1/5	Unknown	0 kg	0 ml	1.00	1	3	12	145
54	K1005658-002 1/5D	Unknown	0 kg	0 ml	1.00	1	4	1	145
55	K1005658-002 1/25L	Unknown	0 kg	0 ml	1.00	1	4	2	145
56	CCV5	Unknown	0 kg	0 ml	1.00	0	1	2	145
57	CCB5	Unknown	0 kg	0 ml	1.00	0	1	1	145
58	K1005658-002 1/5 +50A	Unknown	0 kg	0 ml	1.00	1	4	3	145
59	K1005658-002 1/25S	Unknown	0 kg	0 ml	1.00	1	4	4	145
60	K1005176-MB	Unknown	0 kg	0 ml	1.00	1	4	5	145
61	LCSW K1005176	Unknown	0 kg	0 ml	1.00	1	4	6	145
62	K1005176-001	Unknown	0 kg	0 ml	1.00	1	4	7	145
63	K1005176-002	Unknown	0 kg	0 ml	1.00	1	4	8	145
64	K1005176-002D	Unknown	0 kg	0 ml	1.00	1	4	9	145
65	K1005176-002S	Unknown	0 kg	0 ml	1.00	1	4	10	145
66	K1005176-003	Unknown	0 kg	0 ml	1.00	1	4	11	145
67	CCV6	Unknown	0 kg	0 ml	1.00	0	1	2	145
68	CCB6	Unknown	0 kg	0 ml	1.00	0	1	1	145
69	K1005176-004	Unknown	0 kg	0 ml	1.00	1	4	12	145
70	K1005176-004D	Unknown	0 kg	0 ml	1.00	1	5	1	145
71	K1005176-004S	Unknown	0 kg	0 ml	1.00	1	5	2	145
72	K1005176-005	Unknown	0 kg	0 ml	1.00	1	5	3	145
73	K1005176-006	Unknown	0 kg	0 ml	1.00	1	5	4	145
74	K1005176-007	Unknown	0 kg	0 ml	1.00	1	5	5	145
75	K1005137-001 DISS	Unknown	0 kg	0 ml	1.00	1	5	6	145
76	K1005137-002 DISS	Unknown	0 kg	0 ml	1.00	1	5	7	145
77	K1005137-003 DISS	Unknown	0 kg	0 ml	1.00	1	5	8	145
78	K1005137-003	Unknown	0 kg	0 ml	1.00	1	5	9	145
79	CCV7	Unknown	0 kg	0 ml	1.00	0	1	2	145
80	CCB7	Unknown	0 kg	0 ml	1.00	0	1	1	145
81	K1005137-004 DISS	Unknown	0 kg	0 ml	1.00	1	5	10	145
82	K1005137-005 DISS	Unknown	0 kg	0 ml	1.00	1	5	11	145
83	K1005137-006 DISS	Unknown	0 kg	0 ml	1.00	1	5	12	145
84	K1005178-001	Unknown	0 kg	0 ml	1.00	2	1	1	145
85	K1005178-002	Unknown	0 kg	0 ml	1.00	2	1	2	145
86	K1005178-001 DISS	Unknown	0 kg	0 ml	1.00	2	1	3	145
87	K1005178-002 DISS	Unknown	0 kg	0 ml	1.00	2	1	4	145
88	K10005508-001	Unknown	0 kg	0 ml	1.00	2	1	5	145
89	K10005508-002	Unknown	0 kg	0 ml	1.00	2	1	6	145
90	CCV8	Unknown	0 kg	0 ml	1.00	0	1	2	145
91	CCB8	Unknown	0 kg	0 ml	1.00	0	1	1	145
92	K1005407-MB	Unknown	0 kg	0 ml	1.00	2	1	7	145
93	LCSW K1005407	Unknown	0 kg	0 ml	1.00	2	1	8	145
94	K1005407-001	Unknown	0 kg	0 ml	1.00	2	1	9	145
95	K1005407-001D	Unknown	0 kg	0 ml	1.00	2	1	10	145
96	K1005407-001S	Unknown	0 kg	0 ml	1.00	2	1	11	145
97	K1005405-001 1/10	Unknown	0 kg	0 ml	1.00	2	1	12	145
98	K1005405-002 1/2	Unknown	0 kg	0 ml	1.00	2	2	1	145
99	K10005409-001	Unknown	0 kg	0 ml	1.00	2	2	2	145

100	CCV9	Unknown	0 kg	0 ml	1.00	0	1	2	145
101	CCB9	Unknown	0 kg	0 ml	1.00	0	1	1	145

Instrument Setup - Configurations

Configuration Name - acqmet11
 Description - PQExcell CCT Sim Default
 Date - 7:55:02 6/7/10
 Maximum Uptake Time - 0
 Maximum Washout Time - 0
 S-Option Pump Running - No
 Plasma Screen Forward - No
 Makeup Gas On - No
 Use CCT - No
 Use Accessory Gas - No

Setting	Value
Extraction	-650.00
Lens1	5.00
Lens2	-60.00
Lens3	-25.00
Pole Bias	5.00
Sampling Depth	400.00
Horizontal	0.00
Vertical	95.00
Cool	13.00
Auxiliary	0.80
Nebuliser	0.82
Forward power	1,365.00
HT1 Voltage	1,900.00
HT2 Voltage	2,600.00
D1	-42.00
Focus	8.00

Configuration Name - acqmet11
 Description - PQExcell CCT Sim Default
 Date - 7:55:02 6/7/10
 Maximum Uptake Time - 0
 Maximum Washout Time - 0
 S-Option Pump Running - No
 Plasma Screen Forward - No
 Makeup Gas On - No
 Use CCT - No
 Use Accessory Gas - No

Setting	Value
Extraction	-650.00
Lens1	5.00
Lens2	-60.00
Lens3	-25.00
Pole Bias	5.00
Sampling Depth	400.00
Horizontal	0.00
Vertical	95.00
Cool	13.00
Auxiliary	0.80

Mass	Mass DAC	Peak Width (AMU)	Error (AMU)	Include	Masses in Tune Solution
6.015	1300	0.715	0.004	TRUE	
7.016	1547	0.715	-0.026	TRUE	Li-7
9.012	2060	0.664	-0.006	TRUE	Be-9
23.985	5876	0.715	0.021	TRUE	Mg-24
25.983	6383	0.715	0.016	TRUE	Co-59
26.982	6636	0.664	0.011	TRUE	In-115
43.956	10954	0.715	0.005	TRUE	Ce-140
45.953	11461	0.817	0	TRUE	Pb-208
55.935	14002	0.766	0.001	TRUE	Bi-209
56.935	14262	0.766	0.022	TRUE	U-238
57.934	14509	0.766	-0.007	TRUE	
58.933	14763	0.715	-0.008	TRUE	
63.929	16030	0.766	-0.026	TRUE	
69.925	17564	0.766	0.003	TRUE	
75.92	19085	0.766	-0.018	TRUE	
112.904	28508	0.714	-0.004	TRUE	
114.904	29015	0.714	-0.013	TRUE	
128.905	32590	0.714	0.017	TRUE	
130.905	33097	0.714	0.006	TRUE	
131.905	33350	0.663	0	TRUE	
137.906	34878	0.714	-0.006	TRUE	
139.905	35391	0.663	0.008	TRUE	
141.908	35898	0.663	-0.006	TRUE	
155.923	39473	0.663	0.006	TRUE	
157.924	39980	0.663	-0.006	TRUE	
203.973	51726	0.612	0.009	TRUE	
205.974	52233	0.612	-0.006	TRUE	
206.976	52493	0.612	0.012	TRUE	
207.977	52746	0.561	0.003	TRUE	
208.98	53000	0.612	-0.005	TRUE	
238.051	60416	0.56	-0.01	TRUE	

Excluded in Calib	Excluded in Results	Calibration Failed	Multi Element	Scan Change	Internal Standard	Standard Addition		
Uncorrected ICPS Per Mass			S-Calibration Has Edited Standard F-Interference Correction Failed	E-Calibration Edited T-Tripped	I-Invalid Calibration P-Pulse Counting	V-Valley Integration Failed M-Result Over Max		
Run	Label	TimeStamp	232Th	7Li	9Be	59Co	115In	208Pb
1	Stability 06-08-2010	6/8/2010 9:11:47 AM	(P)0.500	(P)19772.008	(P)4303.982	(P)36196.805	(P)84919.013	(P)49958.039
2	Stability 06-08-2010	6/8/2010 9:13:02 AM	(P)0.167	(P)18219.611	(P)4063.411	(P)36923.326	(P)86600.722	(P)49606.981
3	Stability 06-08-2010	6/8/2010 9:14:17 AM	(P)0.000	(P)18504.478	(P)4100.755	(P)37525.557	(P)88716.473	(P)49816.710
4	Stability 06-08-2010	6/8/2010 9:15:32 AM	(P)0.167	(P)18291.537	(P)4049.241	(P)37816.827	(P)87927.604	(P)49720.214
5	Stability 06-08-2010	6/8/2010 9:16:47 AM	(P)0.333	(P)18155.530	(P)4045.906	(P)37681.135	(P)88391.176	(P)50119.939
	Mean of Stability 06-08	6/8/2010 9:11:47 AM	(P)0.233	(P)18588.633	(P)4112.659	(P)37228.730	(P)87310.998	(P)49844.377
	SD of Stability 06-08-20		(P)0.190	(P)674.440	(P)109.143	(P)670.219	(P)1561.124	(P)200.868
	%RSD of Stability 06		(P)81.441	(P)3.628	(P)2.654	(P)1.800	(P)1.788	(P)0.403

Run	Label	TimeStamp	209Bi	232Th	238U
1	Stability 06-08-2010	6/8/2010 9:11:47 AM	(P)85310.308	(P)0.000	(P)82050.305
2	Stability 06-08-2010	6/8/2010 9:13:02 AM	(P)83119.618	(P)0.000	(P)82167.124
3	Stability 06-08-2010	6/8/2010 9:14:17 AM	(P)81914.524	(P)0.000	(P)82329.753
4	Stability 06-08-2010	6/8/2010 9:15:32 AM	(P)80928.094	(P)0.167	(P)81871.790
5	Stability 06-08-2010	6/8/2010 9:16:47 AM	(P)81441.502	(P)0.167	(P)83498.646
	Mean of Stability 06-08	6/8/2010 9:11:47 AM	(P)82542.809	(P)0.067	(P)82383.524
	SD of Stability 06-08-20		(P)1746.903	(P)0.091	(P)645.392
	%RSD of Stability 06		(P)2.116	(P)136.931	(P)0.783

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		Cal. Blk			Mean	SD	%RSD
TimeStamp		6/8/10 9:29					
Antimony	121	0.0005	-0.0004	0	0	0.0005	0
Antimony	123	0.0002	0.0003	-0.0005	0	0.0004	0
Arsenic	75	-0.0032	0.014	-0.0108	0	0.0127	0
Barium	135	0.0042	-0.0019	-0.0023	0	0.0036	0
Barium	137	0.0002	-0.0017	0.0015	0	0.0016	0
Barium	138	-0.0003	0.0002	0.0001	0	0.0002	0
Beryllium	9	-0.0013	0.002	-0.0007	0	0.0017	0
Boron	10	0.0088	-0.0065	-0.0023	0	0.0079	0
Boron	11	-0.0101	0.0037	0.0064	0	0.0089	0
Cadmium	111	-0.0006	0.0011	-0.0005	0	0.0009	0
Cadmium	114	0	-0.0002	0.0002	0	0.0002	0
Chromium	52	-0.0269	0.0218	0.0052	0	0.0248	0
Chromium	53	-0.0041	0.0065	-0.0023	0	0.0057	0
Cobalt	59	0.0001	0.001	-0.0012	0	0.0011	0
Copper	63	-0.0137	0.0039	0.0098	0	0.0122	0
Copper	65	0.0012	-0.0012	0	0	0.0012	0
Lead	206	0.0027	-0.0015	-0.0012	0	0.0024	0
Lead	207	0	0.0012	-0.0013	0	0.0013	0
Lead	208	0.0003	0	-0.0003	0	0.0003	0
Molybdenum	95	-0.0001	-0.0001	0.0002	0	0.0001	0
Molybdenum	97	0.0002	-0.0005	0.0003	0	0.0004	0
Molybdenum	98	0	-0.0005	0.0006	0	0.0006	0
Nickel	60	-0.0116	-0.002	0.0136	0	0.0127	0
Nickel	62	-0.0411	0.0695	-0.0284	0	0.0605	0
Selenium	77	-0.0136	-0.0166	0.0302	0	0.0262	0
Selenium	78	-0.1311	0.0487	0.0824	0	0.1148	0
Selenium	82	-0.0106	0.0283	-0.0177	0	0.0248	0
Silver	107	0.0012	0.0001	-0.0013	0	0.0013	0
Silver	109	0.0009	0.0008	-0.0016	0	0.0014	0
Strontium	86	-0.0116	-0.0016	0.0132	0	0.0125	0
Strontium	88	0.0001	-0.0004	0.0003	0	0.0004	0
Thallium	203	-0.0002	0.0002	-0.0001	0	0.0002	0
Thallium	205	0.0001	-0.0001	0.0001	0	0.0001	0
Tin	118	0.0008	0.0001	-0.0008	0	0.0008	0
Tin	120	-0.0001	0.0003	-0.0003	0	0.0003	0
Uranium	238	0.0002	0.0001	-0.0003	0	0.0003	0
Vanadium	51	-0.0081	0.0044	0.0037	0	0.007	0
Zinc	66	0.0202	-0.0271	0.0069	0	0.0244	0
Zinc	67	-0.014	-0.0088	0.0228	0	0.0199	0
Zinc	68	-0.0096	0.0012	0.0084	0	0.009	0

Internal Standard Factors:

Lithium	6	0.896	1.062	1.061	0.896	n/a	n/a
Rhodium	103	0.938	1.035	1.034	0.938	n/a	n/a
Indium	115	0.952	1.023	1.029	0.952	n/a	n/a
Lutetium	175	0.95	1.021	1.034	0.95	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:	Cal. Stn	Mean	SD	%RSD			
TimeStamp	6/8/10 9:34						
Antimony	121	24.36	25.26	25.37	25	0.5532	2.213
Antimony	123	24.5	25.04	25.47	25	0.4844	1.937
Arsenic	75	24.19	25.58	25.22	25	0.7202	2.881
Barium	135	24.1	25.66	25.24	25	0.8072	3.229
Barium	137	24.16	25.29	25.55	25	0.7404	2.962
Barium	138	24.31	25.1	25.59	25	0.6428	2.571
Beryllium	9	24.03	25.34	25.63	25	0.8563	3.425
Boron	10	23.67	25.26	26.07	25	1.218	4.874
Boron	11	23.71	25.41	25.87	25	1.14	4.559
Cadmium	111	24.51	25.2	25.29	25	0.4263	1.705
Cadmium	114	24.28	25.03	25.69	25	0.7035	2.814
Chromium	52	24.16	25.41	25.43	25	0.7291	2.916
Chromium	53	24.19	25.48	25.33	25	0.7053	2.821
Cobalt	59	24.28	25.34	25.38	25	0.6231	2.493
Copper	63	24.37	25.3	25.33	25	0.5454	2.182
Copper	65	24.52	24.96	25.51	25	0.4981	1.993
Lead	206	24.29	25.21	25.5	25	0.6328	2.531
Lead	207	24.26	25.58	25.17	25	0.6757	2.703
Lead	208	24.34	25.32	25.34	25	0.5687	2.275
Molybdenum	95	24.45	25.14	25.41	25	0.4957	1.983
Molybdenum	97	24.8	25.2	25	25	0.2006	0.8025
Molybdenum	98	24.74	25.12	25.14	25	0.2251	0.9002
Nickel	60	24.69	25.1	25.21	25	0.2756	1.103
Nickel	62	24.02	25.13	25.85	25	0.9247	3.699
Selenium	77	24.69	24.93	25.38	25	0.3498	1.399
Selenium	78	24.42	25.01	25.57	25	0.5793	2.317
Selenium	82	24.49	25.74	24.77	25	0.6528	2.611
Silver	107	24.55	25.38	25.07	25	0.4197	1.679
Silver	109	24.49	25.39	25.13	25	0.4642	1.857
Strontium	86	24.67	25.18	25.15	25	0.2887	1.155
Strontium	88	24.57	25.05	25.38	25	0.4089	1.635
Thallium	203	24.07	25.13	25.8	25	0.8755	3.502
Thallium	205	24.3	25.19	25.52	25	0.6287	2.515
Tin	118	23.76	25.55	25.69	25	1.073	4.291
Tin	120	24.07	25.53	25.4	25	0.8066	3.226
Uranium	238	24.31	25.28	25.41	25	0.6011	2.405
Vanadium	51	24.14	24.77	26.08	25	0.9892	3.957
Zinc	66	24.34	25.15	25.5	25	0.5943	2.377
Zinc	67	24.59	24.84	25.57	25	0.5105	2.042
Zinc	68	24.48	25.25	25.27	25	0.4484	1.794

Internal Standard Factors:

Lithium	6	0.94	1.066	1.102	0.94	n/a	n/a
Rhodium	103	0.968	1.058	1.056	0.968	n/a	n/a
Indium	115	0.95	1.049	1.062	0.95	n/a	n/a
Lutetium	175	0.977	1.084	1.101	0.977	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:	ICV1	Mean	SD	%RSD			
TimeStamp	6/8/10 9:39						
Antimony	121	24.98	24.84	25.79	25.21	0.5133	2.036
Antimony	123	25.16	25.16	26	25.44	0.4823	1.896
Arsenic	75	25.51	25.98	26.1	25.86	0.314	1.214
Barium	135	103.7	104.1	106.2	104.7	1.35	1.289
Barium	137	104.3	103.7	105.9	104.6	1.145	1.094
Barium	138	102.4	99.98	103.2	101.9	1.693	1.662
Beryllium	9	2.59	2.766	2.798	2.718	0.1122	4.127
Boron	10	24.98	27.06	27.9	26.65	1.504	5.644
Boron	11	24.4	26.58	27.21	26.07	1.478	5.669
Cadmium	111	13.14	12.93	13.2	13.09	0.1406	1.074
Cadmium	114	13.41	13.14	13.67	13.41	0.2626	1.959
Chromium	52	10.12	10.7	10.76	10.53	0.3557	3.379
Chromium	53	10.74	11.37	11.55	11.22	0.4254	3.79
Cobalt	59	25.43	25.73	26.14	25.77	0.3531	1.37
Copper	63	12.8	12.95	13.05	12.93	0.1288	0.996
Copper	65	13.03	13.17	13.07	13.09	0.0681	0.5201
Lead	206	23.94	23.69	24.03	23.89	0.174	0.7284
Lead	207	26.64	26.7	26.87	26.74	0.122	0.4565
Lead	208	25.43	25.36	25.66	25.48	0.1533	0.6014
Molybdenum	95	25.72	26.09	25.23	25.68	0.4307	1.677
Molybdenum	97	25.76	25.74	26.26	25.92	0.2969	1.146
Molybdenum	98	26.14	26.72	25.86	26.24	0.4363	1.663
Nickel	60	24.95	25.93	26.17	25.68	0.6482	2.524
Nickel	62	25.41	25.88	26.22	25.84	0.4087	1.582
Selenium	77	26.06	26.65	26.17	26.29	0.315	1.198
Selenium	78	25.95	27.05	26.56	26.52	0.5542	2.09
Selenium	82	25.88	26.18	26.25	26.1	0.1948	0.7461
Silver	107	13.15	13.09	13.06	13.1	0.0498	0.3803
Silver	109	13.11	13.2	13.09	13.13	0.0615	0.4684
Strontium	86	25.23	26.08	25.72	25.68	0.4287	1.67
Strontium	88	25.46	25.67	25.29	25.47	0.1912	0.7506
Thallium	203	25.54	25.85	26.28	25.89	0.3692	1.426
Thallium	205	25.42	25.52	25.96	25.63	0.2901	1.132
Tin	118	24.13	24.23	25.24	24.53	0.612	2.495
Tin	120	24.39	24.36	24.68	24.47	0.1782	0.7279
Uranium	238	26.09	25.9	26.24	26.08	0.1693	0.6494
Vanadium	51	25.86	27.25	27.18	26.76	0.7828	2.925
Zinc	66	26.82	27.71	27.88	27.47	0.571	2.078
Zinc	67	28.33	30.07	29.27	29.22	0.8719	2.984
Zinc	68	28.25	28.36	28.44	28.35	0.0959	0.3381

Internal Standard Factors:

Lithium	6	0.956	1.08	1.124	0.956 n/a	n/a
Rhodium	103	1.012	1.088	1.063	1.012 n/a	n/a
Indium	115	1.005	1.06	1.079	1.005 n/a	n/a
Lutetium	175	1.007	1.076	1.093	1.007 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		CCV1			Mean	SD	%RSD
TimeStamp		6/8/10 9:44					
Antimony	121	24.9	25.46	25.31	25.22	0.2904	1.151
Antimony	123	25.77	25.59	25.53	25.63	0.1217	0.4749
Arsenic	75	24.4	25.09	24.84	24.77	0.35	1.413
Barium	135	24.86	25.02	24.67	24.85	0.176	0.7084
Barium	137	25.14	25.53	24.68	25.11	0.4241	1.689
Barium	138	24.38	24.82	24.06	24.42	0.3817	1.564
Beryllium	9	25.35	25.25	26.32	25.64	0.5899	2.301
Boron	10	25.66	26.32	26.62	26.2	0.4902	1.871
Boron	11	24.47	25.24	26.63	25.45	1.095	4.303
Cadmium	111	25.12	25.27	25.41	25.27	0.1443	0.5713
Cadmium	114	25.39	25.74	24.8	25.31	0.4736	1.871
Chromium	52	24.99	25.52	25.61	25.37	0.3353	1.321
Chromium	53	24.86	25.34	25.96	25.39	0.5504	2.168
Cobalt	59	24.75	25.15	25.34	25.08	0.2991	1.192
Copper	63	24.36	24.95	25.04	24.78	0.3658	1.476
Copper	65	24.93	25.29	25.38	25.2	0.2401	0.9527
Lead	206	24.84	25.22	24.47	24.85	0.3747	1.508
Lead	207	24.52	25.17	24.54	24.75	0.3714	1.501
Lead	208	24.49	25.05	24.54	24.69	0.309	1.252
Molybdenum	95	24.76	24.86	24.92	24.85	0.0775	0.3118
Molybdenum	97	25.04	24.62	24.45	24.7	0.2999	1.214
Molybdenum	98	24.76	25.46	25.47	25.23	0.4062	1.61
Nickel	60	24.66	24.74	25.11	24.83	0.2398	0.9658
Nickel	62	25.12	24.73	25.7	25.18	0.485	1.926
Selenium	77	24.78	25.33	25.88	25.33	0.5498	2.171
Selenium	78	25.12	25.76	25.35	25.41	0.3243	1.276
Selenium	82	24.87	24.11	25.73	24.91	0.8086	3.247
Silver	107	24.81	25.37	25.2	25.13	0.2868	1.141
Silver	109	25.14	25.38	24.56	25.03	0.4184	1.672
Strontium	86	24.95	25.28	25.34	25.19	0.2075	0.8237
Strontium	88	24.86	25.44	25.21	25.17	0.2948	1.171
Thallium	203	24.37	25.09	24.64	24.7	0.3643	1.475
Thallium	205	24.51	25.07	24.27	24.62	0.4119	1.673
Tin	118	25.34	25.36	25.15	25.28	0.1122	0.4437
Tin	120	24.95	25.49	25.03	25.16	0.2933	1.166
Uranium	238	24.51	25.66	24.58	24.92	0.6415	2.575
Vanadium	51	24.22	25.27	25.05	24.85	0.55	2.214
Zinc	66	24.79	25.65	25.79	25.41	0.5418	2.132
Zinc	67	24.72	25.5	25.56	25.26	0.4681	1.854
Zinc	68	24.65	25.08	25.06	24.93	0.2443	0.9798

Internal Standard Factors:

Lithium	6	0.974	1.08	1.116	0.974 n/a	n/a
Rhodium	103	0.998	1.076	1.074	0.998 n/a	n/a
Indium	115	1.006	1.073	1.069	1.006 n/a	n/a
Lutetium	175	1.005	1.094	1.082	1.005 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:	ICB1	Mean	SD	%RSD			
TimeStamp	6/8/10 9:56						
Antimony	121	0.0061	0.0086	0.0066	0.0071	0.0014	19.22
Antimony	123	0.0083	0.0069	0.0095	0.0083	0.0013	15.45
Arsenic	75	0.0499	-0.0137	0.0238	0.02	0.032	159.9
Barium	135	0.0007	0.0041	0.0056	0.0035	0.0025	71.78
Barium	137	0.0015	0.0027	0.0024	0.0022	0.0006	26.48
Barium	138	0.0016	0.005	0.0037	0.0034	0.0017	49.59
Beryllium	9	0.002	0.0046	-0.0002	0.0021	0.0024	112.9
Boron	10	0.0202	0.0386	0.0299	0.0296	0.0092	31.1
Boron	11	0.0296	0.0267	0.022	0.0261	0.0038	14.67
Cadmium	111	0.0001	0.0018	0.0015	0.0012	0.0009	81.88
Cadmium	114	0.001	0.0023	0.0022	0.0018	0.0007	38
Chromium	52	-0.0573	-0.0263	-0.0065	-0.0301	0.0256	85.14
Chromium	53	0.006	0.0094	0.0049	0.0068	0.0023	34.24
Cobalt	59	-0.001	0.0039	0.0016	0.0015	0.0024	165.3
Copper	63	-0.0105	0.0263	-0.0022	0.0046	0.0193	422.5
Copper	65	-0.0017	0.0062	0.0052	0.0032	0.0043	133.6
Lead	206	0.0047	0.0034	0.0047	0.0043	0.0007	17.42
Lead	207	-0.0007	0.0026	0.0033	0.0017	0.0021	124.6
Lead	208	0.0025	0.0029	0.0031	0.0028	0.0003	10.45
Molybdenum	95	0.0013	0.0029	0.0037	0.0026	0.0012	47.41
Molybdenum	97	0.0051	0.0034	0.0043	0.0043	0.0009	20.25
Molybdenum	98	0.0039	0.0035	0.0017	0.003	0.0012	39.38
Nickel	60	0.0082	0.0038	0.0175	0.0098	0.007	70.92
Nickel	62	0.0632	0.0356	0.0903	0.063	0.0274	43.42
Selenium	77	-0.0122	0.1173	-0.0301	0.025	0.0804	321.5
Selenium	78	-0.2097	-0.1147	-0.1346	-0.153	0.0501	32.76
Selenium	82	0.1434	0.0668	0.0473	0.0859	0.0508	59.17
Silver	107	0.0087	0.0053	0.0045	0.0062	0.0022	35.9
Silver	109	0.009	0.0089	0.0062	0.008	0.0016	19.6
Strontium	86	-0.0093	-0.0115	-0.0065	-0.0091	0.0025	27.24
Strontium	88	-0.0007	0.0022	0.0018	0.0011	0.0016	141
Thallium	203	0.0011	0.0028	0.0031	0.0023	0.0011	46.98
Thallium	205	0.0013	0.0024	0.002	0.0019	0.0006	30.67
Tin	118	0.0116	0.0101	0.0064	0.0094	0.0027	28.37
Tin	120	0.0098	0.0084	0.0084	0.0089	0.0008	9.403
Uranium	238	-0.0005	0.0004	0.0012	0.0004	0.0009	228.1
Vanadium	51	-0.0195	-0.007	0.0015	-0.0083	0.0106	126.4
Zinc	66	-0.0322	-0.0597	-0.044	-0.0453	0.0138	30.37
Zinc	67	-0.0276	-0.0174	-0.0531	-0.0327	0.0184	56.18
Zinc	68	-0.0188	-0.0247	-0.0294	-0.0243	0.0053	21.87

Internal Standard Factors:

Lithium	6	0.901	1.043	1.055	0.901	n/a	n/a
Rhodium	103	0.987	1.064	1.066	0.987	n/a	n/a
Indium	115	1.001	1.072	1.079	1.001	n/a	n/a
Lutetium	175	1.007	1.076	1.073	1.007	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		CCB1			Mean	SD	%RSD
TimeStamp		6/8/10 10:01					
Antimony	121	0.0038	0.0025	0.0042	0.0035	0.0009	25.57
Antimony	123	0.0033	0.0026	0.0034	0.0031	0.0004	14.3
Arsenic	75	-0.0292	0.0202	0.026	0.0057	0.0304	535.6
Barium	135	0.0032	0.0022	0.0056	0.0037	0.0018	48.01
Barium	137	0.0021	0.0018	0.0038	0.0026	0.0011	40.82
Barium	138	0.0023	0.0035	0.0021	0.0027	0.0008	28.67
Beryllium	9	0.0022	0.0036	0.0038	0.0032	0.0009	28.13
Boron	10	0.0122	0.0116	0.0077	0.0105	0.0024	23.04
Boron	11	0.0095	0.0094	0.0131	0.0107	0.0021	19.52
Cadmium	111	0.0027	0.0008	-0.0004	0.0011	0.0016	150.4
Cadmium	114	0.0004	0.0014	0.0013	0.001	0.0006	54.55
Chromium	52	-0.0364	-0.0262	-0.0084	-0.0237	0.0142	59.82
Chromium	53	0.0127	0.0101	0.0035	0.0087	0.0048	54.51
Cobalt	59	0.0036	0.0016	0.001	0.0021	0.0013	64.76
Copper	63	-0.0014	0.0196	0.022	0.0134	0.0128	95.94
Copper	65	0.0014	0.0064	0.0079	0.0053	0.0034	64.69
Lead	206	0.0017	0.0037	0.0055	0.0037	0.0019	51.55
Lead	207	0.0024	0.0071	0.0016	0.0037	0.003	81.46
Lead	208	0.0026	0.004	0.0032	0.0033	0.0007	22.32
Molybdenum	95	0.0032	0.0028	0.0024	0.0028	0.0004	15.59
Molybdenum	97	0.0012	0.005	0.0013	0.0025	0.0021	85.53
Molybdenum	98	0.0015	0.0018	0.0028	0.002	0.0007	34.93
Nickel	60	0.0144	0.0271	0.0218	0.0211	0.0064	30.45
Nickel	62	0.0689	0.2026	0.1174	0.1296	0.0677	52.23
Selenium	77	-0.0291	-0.0344	0.0152	-0.0161	0.0272	168.8
Selenium	78	-0.2316	-0.0745	-0.1127	-0.1396	0.0819	58.7
Selenium	82	-0.1172	0.0359	0.1063	0.0083	0.1143	1374
Silver	107	0.0017	0.0024	0.0014	0.0019	0.0005	25.91
Silver	109	0.0027	0.0019	0.0018	0.0021	0.0005	22.32
Strontium	86	-0.0135	-0.001	-0.0051	-0.0066	0.0064	96.75
Strontium	88	0.0011	0	0.0027	0.0012	0.0014	109.5
Thallium	203	0.0018	0.0008	0.0017	0.0015	0.0006	37.75
Thallium	205	0.0013	0.0022	0.0021	0.0019	0.0005	27.81
Tin	118	0.006	0.0041	0.005	0.005	0.001	19.34
Tin	120	0.0052	0.0063	0.0055	0.0057	0.0006	10.53
Uranium	238	-0.0002	0.0001	-0.0002	-0.0001	0.0001	149.3
Vanadium	51	-0.0137	-0.0073	-0.0004	-0.0071	0.0067	93.71
Zinc	66	-0.0414	-0.0423	-0.0351	-0.0396	0.0039	9.838
Zinc	67	-0.017	-0.0094	-0.0511	-0.0258	0.0222	86.06
Zinc	68	-0.0445	-0.0164	-0.0329	-0.0313	0.0141	45.2

**Internal Standard
Factors:**

Lithium	6	0.922	1.056	1.084	0.922 n/a	n/a
Rhodium	103	0.988	1.049	1.064	0.988 n/a	n/a
Indium	115	0.989	1.053	1.08	0.989 n/a	n/a
Lutetium	175	0.978	1.103	1.076	0.978 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		WATER CRA			Mean	SD	%RSD
TimeStamp		6/8/10 10:05					
Antimony	121	0.0513	0.0532	0.0561	0.0535	0.0024	4.558
Antimony	123	0.0516	0.0542	0.0546	0.0535	0.0016	3.037
Arsenic	75	0.4546	0.5227	0.4404	0.4726	0.044	9.305
Barium	135	0.051	0.0492	0.0444	0.0482	0.0034	7.038
Barium	137	0.0551	0.0466	0.0514	0.051	0.0043	8.374
Barium	138	0.0535	0.0508	0.0521	0.0521	0.0013	2.542
Beryllium	9	0.0226	0.0337	0.0297	0.0287	0.0056	19.56
Boron	10	0.5085	0.5372	0.6102	0.552	0.0524	9.495
Boron	11	0.4751	0.5005	0.5321	0.5025	0.0285	5.678
Cadmium	111	0.0191	0.0173	0.0202	0.0189	0.0015	7.937
Cadmium	114	0.0222	0.0194	0.0261	0.0226	0.0033	14.85
Chromium	52	0.192	0.1952	0.2119	0.1997	0.0107	5.354
Chromium	53	0.2022	0.2018	0.1933	0.1991	0.005	2.514
Cobalt	59	0.0169	0.0227	0.0211	0.0202	0.003	14.69
Copper	63	0.1087	0.1232	0.1177	0.1165	0.0073	6.272
Copper	65	0.1053	0.1216	0.1112	0.1127	0.0082	7.319
Lead	206	0.0249	0.0258	0.0255	0.0254	0.0004	1.636
Lead	207	0.0227	0.0248	0.0249	0.0241	0.0012	5.023
Lead	208	0.0239	0.0254	0.0248	0.0247	0.0007	2.962
Molybdenum	95	0.0511	0.0542	0.0486	0.0513	0.0028	5.476
Molybdenum	97	0.0442	0.0455	0.0482	0.046	0.0021	4.516
Molybdenum	98	0.0427	0.0486	0.0517	0.0477	0.0046	9.593
Nickel	60	0.2037	0.2348	0.2356	0.2247	0.0182	8.089
Nickel	62	0.2508	0.2975	0.353	0.3004	0.0512	17.03
Selenium	77	1.022	0.9882	1.083	1.031	0.0482	4.674
Selenium	78	0.8835	0.9984	1.024	0.9686	0.0749	7.727
Selenium	82	0.8381	0.9627	0.7814	0.8607	0.0928	10.78
Silver	107	0.0193	0.0196	0.0174	0.0188	0.0012	6.308
Silver	109	0.0189	0.0199	0.017	0.0186	0.0014	7.734
Strontium	86	0.0789	0.1039	0.0993	0.0941	0.0133	14.14
Strontium	88	0.1026	0.0998	0.1004	0.101	0.0015	1.464
Thallium	203	0.0236	0.0234	0.0222	0.0231	0.0008	3.393
Thallium	205	0.0216	0.0212	0.0217	0.0215	0.0002	1.105
Tin	118	0.0532	0.0509	0.0572	0.0537	0.0032	5.943
Tin	120	0.0535	0.0584	0.0561	0.056	0.0025	4.392
Uranium	238	0.0196	0.0198	0.0201	0.0198	0.0003	1.308
Vanadium	51	0.1967	0.2084	0.2127	0.2059	0.0083	4.016
Zinc	66	0.4807	0.52	0.5172	0.506	0.0219	4.329
Zinc	67	0.4693	0.4419	0.4368	0.4493	0.0175	3.895
Zinc	68	0.4521	0.4839	0.4815	0.4725	0.0177	3.753

**Internal Standard
Factors:**

Lithium	6	0.941	1.062	1.092	0.941 n/a	n/a
Rhodium	103	0.984	1.078	1.07	0.984 n/a	n/a
Indium	115	0.987	1.057	1.066	0.987 n/a	n/a
Lutetium	175	1.019	1.081	1.092	1.019 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:	ICSA	Mean	SD	%RSD			
TimeStamp	6/8/10 10:10						
Antimony	121	0.0502	0.051	0.0472	0.0495	0.002	4.088
Antimony	123	0.0461	0.0491	0.0472	0.0475	0.0015	3.17
Arsenic	75	0.0441	0.0567	0.0351	0.0453	0.0108	23.93
Barium	135	0.146	0.1468	0.1455	0.1461	0.0007	0.4702
Barium	137	0.1409	0.1458	0.1349	0.1405	0.0054	3.871
Barium	138	0.1322	0.1357	0.1296	0.1325	0.003	2.299
Beryllium	9	0.0042	0.0027	0.0035	0.0035	0.0008	21.93
Boron	10	0.2055	0.1902	0.1964	0.1974	0.0077	3.896
Boron	11	0.1734	0.183	0.1744	0.1769	0.0052	2.964
Cadmium	111	0.0593	0.0602	0.0497	0.0564	0.0058	10.29
Cadmium	114	0.0416	0.0421	0.0398	0.0412	0.0012	2.968
Chromium	52	0.3277	0.366	0.3725	0.3554	0.0242	6.802
Chromium	53	4.681	4.698	4.593	4.658	0.0562	1.206
Cobalt	59	0.8129	0.8303	0.8228	0.822	0.0087	1.06
Copper	63	0.9171	0.9681	0.9256	0.937	0.0273	2.917
Copper	65	0.5431	0.5215	0.514	0.5262	0.0151	2.87
Lead	206	0.1119	0.1155	0.1125	0.1133	0.002	1.724
Lead	207	0.1197	0.1208	0.1168	0.1191	0.0021	1.736
Lead	208	0.1199	0.1217	0.1208	0.1208	0.0009	0.7315
Molybdenum	95	50.9	50.25	50.35	50.5	0.3539	0.7009
Molybdenum	97	51.86	51.66	50.25	51.26	0.8786	1.714
Molybdenum	98	53.61	52.7	51.42	52.58	1.1	2.092
Nickel	60	1.588	1.657	1.589	1.611	0.0396	2.457
Nickel	62	2.996	2.969	2.917	2.961	0.0402	1.358
Selenium	77	2.009	2.048	1.963	2.007	0.0427	2.126
Selenium	78	0.0844	0.0079	-0.0198	0.0242	0.0539	223.4
Selenium	82	-0.1126	-0.0275	-0.0916	-0.0772	0.0443	57.42
Silver	107	0.03	0.0286	0.0283	0.029	0.0009	3.106
Silver	109	0.0276	0.0298	0.0298	0.0291	0.0012	4.284
Strontium	86	0.5021	0.5331	0.5301	0.5218	0.0171	3.273
Strontium	88	0.4476	0.4547	0.4393	0.4472	0.0077	1.728
Thallium	203	0.041	0.0377	0.0405	0.0397	0.0018	4.414
Thallium	205	0.039	0.0382	0.0389	0.0387	0.0004	1.144
Tin	118	0.0342	0.0386	0.0408	0.0379	0.0034	8.986
Tin	120	0.0441	0.0421	0.0361	0.0407	0.0042	10.21
Uranium	238	0.0062	0.007	0.0068	0.0066	0.0004	5.998
Vanadium	51	-0.0635	-0.0156	-0.0483	-0.0425	0.0245	57.61
Zinc	66	1.667	1.655	1.674	1.665	0.0094	0.5646
Zinc	67	2.699	2.652	2.643	2.665	0.0301	1.129
Zinc	68	1.377	1.462	1.372	1.404	0.0508	3.622

Internal Standard Factors:

Lithium	6	1.229	1.448	1.462	1.229	n/a	n/a
Rhodium	103	1.341	1.452	1.449	1.341	n/a	n/a
Indium	115	1.256	1.389	1.381	1.256	n/a	n/a
Lutetium	175	1.239	1.355	1.368	1.239	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:	ICSAB	Mean	SD	%RSD			
TimeStamp	6/8/10 10:15						
Antimony	121	0.0735	0.0639	0.0635	0.067	0.0056	8.427
Antimony	123	0.0764	0.0773	0.0656	0.0731	0.0065	8.871
Arsenic	75	26.15	26.07	26.44	26.22	0.1919	0.7318
Barium	135	0.2206	0.2077	0.2211	0.2165	0.0076	3.494
Barium	137	0.2103	0.1996	0.1987	0.2029	0.0064	3.175
Barium	138	0.2056	0.2075	0.206	0.2064	0.001	0.497
Beryllium	9	0.0081	0.0081	0.0061	0.0074	0.0011	15.21
Boron	10	0.2321	0.2427	0.2421	0.2389	0.006	2.498
Boron	11	0.2492	0.2519	0.2593	0.2535	0.0053	2.078
Cadmium	111	25	24.6	24.8	24.8	0.1995	0.8044
Cadmium	114	23.86	23.63	23.87	23.79	0.1392	0.5853
Chromium	52	50.3	50.73	50.62	50.55	0.2254	0.4459
Chromium	53	53.78	53.05	54.95	53.93	0.9603	1.781
Cobalt	59	49.85	49.28	50.72	49.95	0.7248	1.451
Copper	63	45.37	45.83	46.31	45.84	0.4671	1.019
Copper	65	45.37	45.93	46.13	45.81	0.3935	0.859
Lead	206	0.1485	0.1379	0.1514	0.1459	0.0071	4.877
Lead	207	0.1639	0.1607	0.165	0.1632	0.0023	1.382
Lead	208	0.1539	0.151	0.1571	0.154	0.003	1.98
Molybdenum	95	50.44	47.49	48.84	48.92	1.477	3.019
Molybdenum	97	48.66	48.36	48.59	48.54	0.1558	0.321
Molybdenum	98	50.32	49.01	50.21	49.85	0.7242	1.453
Nickel	60	49.24	48.6	49.92	49.25	0.66	1.34
Nickel	62	51.08	51.14	51.57	51.26	0.2656	0.518
Selenium	77	28.14	27.83	28.57	28.18	0.3699	1.313
Selenium	78	27.49	26.26	27.49	27.08	0.7111	2.626
Selenium	82	26.01	25.89	26.08	25.99	0.096	0.3694
Silver	107	11.44	11.36	11.51	11.44	0.077	0.6737
Silver	109	11.39	11.51	11.45	11.45	0.0597	0.5216
Strontium	86	0.5283	0.5225	0.549	0.5333	0.0139	2.606
Strontium	88	0.4945	0.4852	0.4984	0.4927	0.0068	1.376
Thallium	203	0.0472	0.0517	0.0563	0.0517	0.0045	8.718
Thallium	205	0.0488	0.0492	0.0492	0.0491	0.0002	0.4882
Tin	118	0.0514	0.0497	0.0512	0.0508	0.0009	1.813
Tin	120	0.0532	0.052	0.0549	0.0534	0.0015	2.754
Uranium	238	0.0172	0.0159	0.0169	0.0167	0.0006	3.845
Vanadium	51	49.71	50.48	50.32	50.17	0.4067	0.8106
Zinc	66	28.28	28.73	28.8	28.6	0.2847	0.9951
Zinc	67	28.91	29.35	29.7	29.32	0.3974	1.355
Zinc	68	27.22	27	27.42	27.21	0.2088	0.7673

Internal Standard Factors:

Lithium	6	1.306	1.47	1.516	1.306	n/a	n/a
Rhodium	103	1.351	1.424	1.447	1.351	n/a	n/a
Indium	115	1.294	1.396	1.39	1.294	n/a	n/a
Lutetium	175	1.274	1.353	1.372	1.274	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1005680-MB			Mean	SD	%RSD
TimeStamp		6/8/10 10:30					
Antimony	121	0	-0.0016	0.0041	0.0009	0.0029	341.6
Antimony	123	0.0005	0.001	0.0013	0.0009	0.0004	44.8
Arsenic	75	-0.0315	-0.0329	0.0166	-0.0159	0.0282	176.9
Barium	135	0.0015	0.003	0.0041	0.0029	0.0013	43.96
Barium	137	0.003	0.0018	0.0007	0.0018	0.0011	60.8
Barium	138	0.0008	0.0024	0.0002	0.0011	0.0011	99
Beryllium	9	0.0016	0.0026	0	0.0014	0.0013	93.76
Boron	10	-0.0092	0.0224	0.0289	0.0141	0.0204	144.8
Boron	11	0.0099	0.0121	0.014	0.012	0.0021	17.46
Cadmium	111	0.0001	0.0003	-0.0003	0	0.0003	1067
Cadmium	114	-0.0005	-0.0005	0.0012	0.0001	0.001	904.8
Chromium	52	-0.009	0.0295	0.0132	0.0112	0.0194	172.5
Chromium	53	0.0895	0.1077	0.0967	0.098	0.0092	9.343
Cobalt	59	-0.0006	0.0005	0.0031	0.001	0.0019	192.5
Copper	63	-0.0464	-0.0372	-0.0444	-0.0427	0.0048	11.25
Copper	65	-0.0003	-0.0118	0.0009	-0.0037	0.007	185.9
Lead	206	0.0036	0.0041	0.0032	0.0036	0.0005	12.43
Lead	207	0.0017	-0.0012	0.0032	0.0012	0.0022	181.9
Lead	208	0.0031	0.0029	0.0025	0.0028	0.0003	12.33
Molybdenum	95	0.0051	0.004	0.0088	0.006	0.0025	42.08
Molybdenum	97	0.014	0.0147	0.0137	0.0141	0.0005	3.441
Molybdenum	98	0.0048	0.0044	0.0077	0.0056	0.0018	31.86
Nickel	60	0.0008	0.0302	0.0163	0.0158	0.0147	93.3
Nickel	62	0.5991	0.5863	0.6401	0.6085	0.0281	4.625
Selenium	77	0.0536	0.0218	-0.0262	0.0164	0.0402	245.2
Selenium	78	0.0686	-0.0142	-0.1285	-0.0247	0.099	400.7
Selenium	82	-0.0936	-0.1373	-0.0267	-0.0859	0.0557	64.86
Silver	107	0.0055	0.004	0.0027	0.0041	0.0014	34.67
Silver	109	0.0075	0.003	0.0033	0.0046	0.0025	54.64
Strontium	86	-0.0249	-0.0215	-0.0451	-0.0305	0.0128	41.93
Strontium	88	-0.0005	0.0006	-0.0002	0	0.0006	6526
Thallium	203	0.0019	0.0012	0.0015	0.0015	0.0003	22.38
Thallium	205	0.0017	0.0018	0.0023	0.0019	0.0003	17.83
Tin	118	0.0008	0.0053	0.0014	0.0025	0.0024	97.31
Tin	120	0.0021	0.0017	0.0037	0.0025	0.0011	42.73
Uranium	238	-0.0002	0	-0.0004	-0.0002	0.0002	86.52
Vanadium	51	-0.0042	0.0067	0.0024	0.0017	0.0055	331.9
Zinc	66	-0.0476	-0.0254	-0.0025	-0.0252	0.0226	89.64
Zinc	67	-0.0235	-0.0122	-0.0019	-0.0126	0.0108	85.81
Zinc	68	-0.032	-0.0027	-0.0444	-0.0264	0.0214	81.24

**Internal Standard
Factors:**

Lithium	6	0.916	1.066	1.111	0.916 n/a	n/a
Rhodium	103	1.004	1.132	1.125	1.004 n/a	n/a
Indium	115	1.002	1.114	1.122	1.002 n/a	n/a
Lutetium	175	0.981	1.081	1.099	0.981 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1005680-001			Mean	SD	%RSD
TimeStamp		6/8/10 10:35					
Antimony	121	0	0.0012	-0.0005	0.0003	0.0009	318.2
Antimony	123	0.0005	-0.0009	0.001	0.0002	0.001	461.2
Arsenic	75	-0.0368	-0.0147	0.0201	-0.0105	0.0287	273.5
Barium	135	0.0484	0.0594	0.0597	0.0558	0.0064	11.48
Barium	137	0.057	0.0512	0.0495	0.0526	0.0039	7.42
Barium	138	0.0477	0.0514	0.0489	0.0493	0.0019	3.765
Beryllium	9	-0.0006	0.0011	0.0043	0.0016	0.0025	154.1
Boron	10	0.3774	0.4159	0.4103	0.4012	0.0208	5.195
Boron	11	0.3832	0.4455	0.4397	0.4228	0.0344	8.142
Cadmium	111	0.0116	0.0104	0.0132	0.0117	0.0014	12.1
Cadmium	114	0.0095	0.0112	0.0121	0.0109	0.0013	11.9
Chromium	52	0.001	0.0564	0.0302	0.0292	0.0277	94.83
Chromium	53	0.0973	0.1053	0.0898	0.0974	0.0077	7.948
Cobalt	59	0.0527	0.0538	0.0555	0.054	0.0014	2.625
Copper	63	-0.0096	-0.0074	-0.0065	-0.0078	0.0016	20.02
Copper	65	0.0258	0.0275	0.0306	0.028	0.0024	8.685
Lead	206	0.0251	0.0194	0.0214	0.022	0.0029	13.38
Lead	207	0.0213	0.021	0.0189	0.0204	0.0013	6.269
Lead	208	0.0216	0.0198	0.021	0.0208	0.0009	4.444
Molybdenum	95	0.0088	0.008	0.0072	0.008	0.0008	9.377
Molybdenum	97	0.0099	0.0152	0.0103	0.0118	0.0029	24.9
Molybdenum	98	0.0047	0.0048	0.0036	0.0043	0.0007	15.21
Nickel	60	0.0277	0.0161	0.0102	0.018	0.0089	49.51
Nickel	62	0.6077	0.6037	0.666	0.6258	0.0349	5.577
Selenium	77	0.006	-0.0752	0.0336	-0.0118	0.0566	478
Selenium	78	-0.1366	-0.1993	-0.0417	-0.1258	0.0794	63.06
Selenium	82	-0.1635	-0.1475	0.0434	-0.0892	0.1151	129
Silver	107	0.0024	0.0025	0.0029	0.0026	0.0003	11.03
Silver	109	0.0043	0.0063	0.0024	0.0043	0.0019	44.02
Strontium	86	0.0016	-0.0035	-0.0241	-0.0087	0.0136	156.9
Strontium	88	0.0121	0.0143	0.0146	0.0137	0.0014	10.23
Thallium	203	0.0016	0.0023	0.002	0.002	0.0003	17.61
Thallium	205	0.0022	0.0026	0.0024	0.0024	0.0002	7.349
Tin	118	0.0046	0.0015	0.0006	0.0022	0.0021	92.55
Tin	120	0.002	0.0032	0.005	0.0034	0.0015	44.46
Uranium	238	-0.0006	0.0003	0	-0.0001	0.0004	437
Vanadium	51	-0.0068	0.0168	0.0089	0.0063	0.0121	191.4
Zinc	66	0.0242	0.0192	0.0049	0.0161	0.01	62.1
Zinc	67	0.0066	0.0362	0.0194	0.0207	0.0148	71.51
Zinc	68	0.0258	0.0231	0.0229	0.0239	0.0017	6.918

Internal Standard Factors:

Lithium	6	0.949	1.113	1.083	0.949 n/a	n/a
Rhodium	103	1.047	1.132	1.109	1.047 n/a	n/a
Indium	115	1.046	1.15	1.13	1.046 n/a	n/a
Lutetium	175	1.033	1.127	1.132	1.033 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1005680-002			Mean	SD	%RSD
TimeStamp		6/8/10 10:40					
Antimony	121	0.4033	0.401	0.3965	0.4003	0.0035	0.8699
Antimony	123	0.3769	0.37	0.3784	0.3751	0.0044	1.185
Arsenic	75	0.9639	1.033	1.052	1.016	0.0464	4.564
Barium	135	1.483	1.512	1.522	1.506	0.02	1.33
Barium	137	1.518	1.471	1.497	1.495	0.0234	1.565
Barium	138	1.494	1.514	1.514	1.507	0.0115	0.764
Beryllium	9	0.0003	0.0034	0.0023	0.002	0.0016	78.2
Boron	10	168.7	175.7	177	173.8	4.503	2.591
Boron	11	163.3	175	176.9	171.7	7.345	4.277
Cadmium	111	0.022	0.0272	0.0208	0.0233	0.0034	14.58
Cadmium	114	0.0238	0.0244	0.0246	0.0243	0.0004	1.646
Chromium	52	0.5742	0.6251	0.6293	0.6095	0.0307	5.033
Chromium	53	1.291	1.512	1.647	1.483	0.1798	12.12
Cobalt	59	0.1707	0.1852	0.1848	0.1802	0.0083	4.595
Copper	63	2.953	3.079	3.077	3.036	0.0723	2.382
Copper	65	2.647	2.753	2.652	2.684	0.06	2.234
Lead	206	0.1347	0.1333	0.1302	0.1327	0.0023	1.754
Lead	207	0.1394	0.1497	0.1439	0.1444	0.0052	3.583
Lead	208	0.1366	0.1397	0.14	0.1387	0.0019	1.352
Molybdenum	95	2.192	2.297	2.292	2.261	0.059	2.61
Molybdenum	97	2.237	2.316	2.351	2.301	0.0584	2.536
Molybdenum	98	2.253	2.242	2.25	2.248	0.0059	0.2616
Nickel	60	1.218	1.266	1.298	1.261	0.0407	3.229
Nickel	62	1.557	1.656	1.889	1.7	0.1702	10.01
Selenium	77	0.2027	0.331	0.3627	0.2988	0.0847	28.35
Selenium	78	0.1788	0.0956	0.0533	0.1092	0.0639	58.46
Selenium	82	0.0266	0.3348	0.3652	0.2422	0.1873	77.33
Silver	107	0.0052	0.0059	0.0066	0.0059	0.0007	12.19
Silver	109	0.0053	0.0041	0.0038	0.0044	0.0008	18.49
Strontium	86	82.06	82.11	84.26	82.81	1.256	1.517
Strontium	88	81.93	82.66	84.04	82.88	1.069	1.29
Thallium	203	0.0123	0.0088	0.0108	0.0106	0.0018	16.62
Thallium	205	0.0096	0.0106	0.0098	0.01	0.0005	5.459
Tin	118	0.1157	0.1185	0.1212	0.1184	0.0028	2.329
Tin	120	0.1196	0.12	0.1268	0.1221	0.004	3.286
Uranium	238	0.0016	0.0015	0.002	0.0017	0.0003	14.74
Vanadium	51	1.757	1.822	1.743	1.774	0.0422	2.377
Zinc	66	23.61	23.71	23.69	23.67	0.0503	0.2126
Zinc	67	22.17	22.99	23	22.72	0.4754	2.093
Zinc	68	22.94	23.76	23.29	23.33	0.4096	1.756

**Internal Standard
Factors:**

Lithium	6	1.052	1.204	1.227	1.052	n/a	n/a
Rhodium	103	1.141	1.279	1.285	1.141	n/a	n/a
Indium	115	1.131	1.244	1.246	1.131	n/a	n/a
Lutetium	175	1.086	1.187	1.194	1.086	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005680-002D			Mean	SD	%RSD
TimeStamp		6/8/10 10:44					
Antimony	121	0.3778	0.3682	0.3703	0.3721	0.005	1.345
Antimony	123	0.3681	0.3704	0.3798	0.3728	0.0062	1.667
Arsenic	75	0.9946	1.056	0.9354	0.9952	0.0601	6.041
Barium	135	1.487	1.487	1.436	1.47	0.0294	1.999
Barium	137	1.46	1.473	1.455	1.463	0.0092	0.626
Barium	138	1.505	1.471	1.462	1.479	0.0228	1.544
Beryllium	9	0.0009	0.0071	0.0028	0.0036	0.0032	87.13
Boron	10	171.7	175.7	173.4	173.6	1.985	1.143
Boron	11	166.8	167.8	175.4	170	4.681	2.753
Cadmium	111	0.0142	0.0191	0.0196	0.0177	0.003	16.94
Cadmium	114	0.0221	0.0238	0.0172	0.0211	0.0034	16.27
Chromium	52	0.5516	0.5963	0.6394	0.5958	0.0439	7.373
Chromium	53	1.627	1.619	1.631	1.626	0.0061	0.3766
Cobalt	59	0.1651	0.1769	0.1756	0.1725	0.0065	3.775
Copper	63	2.928	2.953	3.033	2.971	0.0552	1.857
Copper	65	2.59	2.648	2.676	2.638	0.0441	1.673
Lead	206	0.1387	0.1334	0.1377	0.1366	0.0028	2.066
Lead	207	0.1474	0.1387	0.1542	0.1467	0.0078	5.298
Lead	208	0.145	0.1409	0.1471	0.1443	0.0032	2.194
Molybdenum	95	2.217	2.261	2.268	2.248	0.0278	1.235
Molybdenum	97	2.188	2.269	2.328	2.261	0.0703	3.107
Molybdenum	98	2.225	2.261	2.346	2.277	0.0622	2.733
Nickel	60	1.212	1.252	1.243	1.236	0.0213	1.722
Nickel	62	1.606	1.711	1.815	1.711	0.1043	6.097
Selenium	77	0.1792	0.2816	0.2662	0.2424	0.0552	22.78
Selenium	78	0.1554	0.2847	0.1326	0.1909	0.0821	42.98
Selenium	82	0.289	0.2915	0.0807	0.2204	0.121	54.89
Silver	107	0.0012	0.0015	0.0014	0.0014	0.0002	13.25
Silver	109	0.003	0.0027	0.002	0.0026	0.0005	20.26
Strontium	86	80.08	82.19	84.28	82.18	2.098	2.553
Strontium	88	80.19	81.79	83.32	81.76	1.564	1.913
Thallium	203	0.002	0.0023	0.0025	0.0023	0.0003	12.37
Thallium	205	0.0022	0.0025	0.0023	0.0023	0.0002	6.652
Tin	118	0.1073	0.11	0.1127	0.11	0.0027	2.452
Tin	120	0.1121	0.1176	0.1059	0.1119	0.0058	5.225
Uranium	238	0.0015	0.0016	0.0022	0.0017	0.0004	22.42
Vanadium	51	1.717	1.728	1.868	1.771	0.0844	4.766
Zinc	66	23.32	23.5	23.68	23.5	0.1782	0.7584
Zinc	67	22.08	22.59	23.08	22.58	0.5034	2.229
Zinc	68	23.23	23.27	23.85	23.45	0.3502	1.494

Internal Standard Factors:

Lithium	6	1.07	1.201	1.211	1.07 n/a	n/a
Rhodium	103	1.177	1.299	1.322	1.177 n/a	n/a
Indium	115	1.165	1.26	1.259	1.165 n/a	n/a
Lutetium	175	1.113	1.19	1.211	1.113 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1005680-002S			Mean	SD	%RSD
TimeStamp		6/8/10 10:49					
Antimony	121	22.12	22.51	22.13	22.25	0.2222	0.9983
Antimony	123	23.98	23.9	24.17	24.02	0.1349	0.5618
Arsenic	75	20.43	20.18	20.74	20.45	0.2842	1.39
Barium	135	20.94	20.59	20.74	20.76	0.178	0.8576
Barium	137	20.73	20.55	20.98	20.76	0.2139	1.031
Barium	138	20.49	20.84	20.8	20.71	0.1876	0.906
Beryllium	9	19.08	19.25	19.87	19.4	0.4151	2.14
Boron	10	361.1	361.6	362.9	361.9	0.9211	0.2545
Boron	11	343.8	362.8	370.2	359	13.6	3.787
Cadmium	111	18.51	19.08	19.36	18.98	0.4323	2.278
Cadmium	114	23.07	23.26	23.45	23.26	0.1894	0.8144
Chromium	52	19.77	20.16	20.52	20.15	0.374	1.856
Chromium	53	23.08	23.69	24.07	23.62	0.5006	2.12
Cobalt	59	18.97	19.75	19.57	19.43	0.4103	2.112
Copper	63	21.07	21.11	21.51	21.23	0.2428	1.143
Copper	65	21	20.65	21.23	20.96	0.2892	1.38
Lead	206	18.74	18.33	18.8	18.62	0.2582	1.386
Lead	207	18.66	18.4	18.79	18.62	0.1949	1.047
Lead	208	18.75	18.48	18.76	18.66	0.1636	0.8763
Molybdenum	95	22.37	23.35	23.41	23.04	0.5857	2.542
Molybdenum	97	23.16	23.24	23.03	23.14	0.1046	0.4521
Molybdenum	98	23.12	23.17	23.2	23.16	0.0384	0.1656
Nickel	60	19.91	19.95	19.74	19.86	0.1122	0.5647
Nickel	62	20.5	21.73	21.47	21.24	0.6505	3.063
Selenium	77	19.62	19.84	19.35	19.6	0.2501	1.276
Selenium	78	19.06	18.94	18.8	18.93	0.1345	0.7103
Selenium	82	19	19.36	19.41	19.26	0.2254	1.17
Silver	107	18.99	19.18	19.34	19.17	0.1771	0.9241
Silver	109	18.18	18.55	18.35	18.36	0.185	1.007
Strontium	86	286.7	289.5	288.4	288.2	1.436	0.4983
Strontium	88	283.1	283.2	286.7	284.3	2.024	0.7118
Thallium	203	18.9	18.71	18.87	18.83	0.1028	0.5462
Thallium	205	18.98	18.5	19.18	18.89	0.3497	1.851
Tin	118	188.8	184.7	190.9	188.1	3.186	1.693
Tin	120	187.6	187	190.8	188.5	1.994	1.058
Uranium	238	19.87	20.52	21.07	20.49	0.6004	2.93
Vanadium	51	20.99	21.88	21.71	21.52	0.4718	2.192
Zinc	66	41.3	41.12	41.91	41.44	0.4163	1.004
Zinc	67	40.77	40.06	40.84	40.56	0.4318	1.065
Zinc	68	40.18	40.29	40.95	40.47	0.4177	1.032

Internal Standard Factors:

Lithium	6	1.054	1.189	1.218	1.054	n/a	n/a
Rhodium	103	1.227	1.318	1.325	1.227	n/a	n/a
Indium	115	1.125	1.209	1.229	1.125	n/a	n/a
Lutetium	175	1.131	1.202	1.237	1.131	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		LCSW K1005680			Mean	SD	%RSD
TimeStamp		6/8/10 10:55					
Antimony	121	21.7	22.03	22.22	21.98	0.2657	1.209
Antimony	123	24.32	24.29	23.3	23.97	0.5832	2.433
Arsenic	75	19.65	19.32	20.13	19.7	0.4062	2.061
Barium	135	19.41	19.43	19.09	19.31	0.1879	0.9728
Barium	137	19.21	19.53	18.89	19.21	0.3237	1.685
Barium	138	19.38	19.15	19	19.18	0.1878	0.9795
Beryllium	9	20.53	20.94	20.93	20.8	0.2365	1.137
Boron	10	202.9	203.2	202.9	203	0.1377	0.0678
Boron	11	194	202.1	205.1	200.4	5.75	2.87
Cadmium	111	19.89	19.96	19.72	19.86	0.1252	0.6304
Cadmium	114	24.1	23.92	23.84	23.95	0.1345	0.5617
Chromium	52	19.46	19.99	19.73	19.73	0.2603	1.32
Chromium	53	21.93	22.33	22.34	22.2	0.2309	1.04
Cobalt	59	19.66	19.53	19.48	19.56	0.0942	0.4817
Copper	63	19.71	19.58	19.51	19.6	0.1001	0.5107
Copper	65	20.08	19.62	19.94	19.88	0.2363	1.189
Lead	206	20.24	20.46	20.3	20.33	0.1163	0.5718
Lead	207	20.57	20.7	20.22	20.5	0.2519	1.229
Lead	208	20.24	20.44	20.28	20.32	0.1041	0.5123
Molybdenum	95	20.48	19.76	19.73	19.99	0.4243	2.123
Molybdenum	97	20.35	20.67	19.99	20.34	0.3369	1.656
Molybdenum	98	20.08	20.4	20.09	20.19	0.1792	0.8876
Nickel	60	19.83	19.61	19.74	19.73	0.1092	0.5537
Nickel	62	20.59	20.89	21.34	20.94	0.3763	1.797
Selenium	77	20.33	20.44	20.23	20.33	0.1011	0.4971
Selenium	78	20.34	20.42	20.18	20.31	0.1202	0.5918
Selenium	82	20.22	19.84	20.78	20.28	0.475	2.342
Silver	107	20.44	20.32	20.61	20.45	0.1462	0.715
Silver	109	19.69	19.55	19.35	19.53	0.1693	0.8668
Strontium	86	200.6	200.3	200.7	200.5	0.1679	0.0837
Strontium	88	194.3	198.5	193.2	195.4	2.778	1.422
Thallium	203	20.01	20.7	20.26	20.32	0.3509	1.727
Thallium	205	20.23	20.41	20.06	20.23	0.1768	0.8739
Tin	118	190.4	191.6	189.6	190.5	1.025	0.5381
Tin	120	190.1	190.4	186.3	188.9	2.327	1.232
Uranium	238	20.22	21.47	21.12	20.94	0.6436	3.074
Vanadium	51	19.56	19.77	20.04	19.79	0.2407	1.216
Zinc	66	20.25	20.32	20.6	20.39	0.1827	0.8959
Zinc	67	20.94	20.33	20.17	20.48	0.4097	2.001
Zinc	68	20.42	19.77	20.01	20.07	0.3253	1.621

**Internal Standard
Factors:**

Lithium	6	0.982	1.093	1.102	0.982 n/a	n/a
Rhodium	103	1.08	1.166	1.177	1.08 n/a	n/a
Indium	115	1.007	1.089	1.077	1.007 n/a	n/a
Lutetium	175	1.057	1.162	1.16	1.057 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1005589-001			Mean	SD	%RSD
TimeStamp		6/8/10 11:02					
Antimony	121	0.2571	0.2495	0.2583	0.255	0.0048	1.868
Antimony	123	0.2518	0.2471	0.2687	0.2559	0.0114	4.44
Arsenic	75	0.6731	0.6813	0.6839	0.6794	0.0056	0.8256
Barium	135	3.426	3.445	3.582	3.484	0.0849	2.435
Barium	137	3.348	3.543	3.442	3.444	0.0972	2.821
Barium	138	3.379	3.411	3.465	3.419	0.0435	1.273
Beryllium	9	0.0086	0.0116	0.0094	0.0099	0.0015	15.6
Boron	10	5.848	5.866	5.692	5.802	0.0955	1.645
Boron	11	5.658	5.812	5.718	5.729	0.0775	1.352
Cadmium	111	0.379	0.3553	0.3368	0.357	0.0212	5.929
Cadmium	114	0.3425	0.3563	0.3563	0.3517	0.008	2.268
Chromium	52	0.2516	0.3131	0.2808	0.2818	0.0307	10.91
Chromium	53	0.5684	0.5346	0.5107	0.5379	0.029	5.386
Cobalt	59	0.2154	0.2202	0.2198	0.2184	0.0026	1.207
Copper	63	190.1	191.2	191.4	190.9	0.7099	0.3719
Copper	65	195.9	197.3	198.6	197.3	1.33	0.6745
Lead	206	2.081	2.166	2.089	2.112	0.047	2.225
Lead	207	2.366	2.483	2.439	2.429	0.0593	2.441
Lead	208	2.257	2.376	2.321	2.318	0.0596	2.572
Molybdenum	95	0.9624	1.078	1.016	1.019	0.058	5.688
Molybdenum	97	1.031	0.9734	1.017	1.007	0.0299	2.968
Molybdenum	98	1.06	0.9996	1.014	1.024	0.0317	3.098
Nickel	60	0.833	0.7924	0.8068	0.8108	0.0206	2.539
Nickel	62	1.246	1.504	1.523	1.424	0.1547	10.86
Selenium	77	0.192	0.1366	0.0448	0.1244	0.0743	59.74
Selenium	78	-0.1197	-0.0604	0.0022	-0.0593	0.0609	102.8
Selenium	82	0.0936	0.1318	0.0302	0.0852	0.0513	60.23
Silver	107	0.0746	0.0714	0.054	0.0667	0.0111	16.59
Silver	109	0.0766	0.0601	0.0552	0.0639	0.0112	17.54
Strontium	86	7.943	7.897	8.071	7.97	0.0902	1.132
Strontium	88	8.049	7.928	8.015	7.997	0.0623	0.7793
Thallium	203	0.0092	0.0082	0.0098	0.009	0.0008	8.977
Thallium	205	0.0071	0.0094	0.0102	0.0089	0.0016	17.88
Tin	118	0.1338	0.1197	0.1245	0.126	0.0071	5.668
Tin	120	0.1442	0.1298	0.1244	0.1328	0.0102	7.7
Uranium	238	0.0136	0.0126	0.0153	0.0138	0.0014	10.07
Vanadium	51	2.054	2.106	2.081	2.08	0.026	1.251
Zinc	66	83.93	84.07	82.58	83.53	0.8225	0.9847
Zinc	67	79.17	78.81	79	78.99	0.1791	0.2268
Zinc	68	80.77	79.73	80.71	80.4	0.5851	0.7277

Internal Standard Factors:

Lithium	6	0.943	1.083	1.089	0.943	n/a	n/a
Rhodium	103	1.076	1.166	1.184	1.076	n/a	n/a
Indium	115	1.074	1.168	1.152	1.074	n/a	n/a
Lutetium	175	1.03	1.171	1.162	1.03	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005589-002			Mean	SD	%RSD
TimeStamp		6/8/10 11:08					
Antimony	121	0.189	0.1773	0.1923	0.1862	0.0079	4.233
Antimony	123	0.1783	0.1948	0.186	0.1864	0.0082	4.423
Arsenic	75	0.5582	0.5653	0.5399	0.5544	0.0131	2.365
Barium	135	1.423	1.296	1.296	1.338	0.0733	5.477
Barium	137	1.3	1.279	1.257	1.279	0.0219	1.71
Barium	138	1.294	1.274	1.3	1.289	0.0135	1.049
Beryllium	9	0.007	0.0059	0.0067	0.0065	0.0006	9.014
Boron	10	3.711	3.93	3.702	3.781	0.1289	3.41
Boron	11	3.611	3.791	3.651	3.684	0.0947	2.57
Cadmium	111	0.2943	0.2912	0.2733	0.2863	0.0113	3.953
Cadmium	114	0.2874	0.2837	0.2671	0.2794	0.0108	3.855
Chromium	52	0.1386	0.1539	0.1199	0.1374	0.017	12.39
Chromium	53	0.2374	0.333	0.2625	0.2776	0.0496	17.86
Cobalt	59	0.0627	0.0601	0.0592	0.0607	0.0018	2.956
Copper	63	206.5	210.5	203	206.7	3.786	1.832
Copper	65	210.4	212.4	214.2	212.3	1.9	0.8947
Lead	206	3.767	3.662	3.774	3.734	0.0627	1.678
Lead	207	4.311	4.326	4.305	4.314	0.0108	0.2495
Lead	208	4.108	4.089	4.071	4.09	0.0188	0.4589
Molybdenum	95	0.9151	0.9279	0.9012	0.9147	0.0134	1.462
Molybdenum	97	0.9218	0.959	0.9212	0.934	0.0216	2.317
Molybdenum	98	0.9116	0.8918	0.9196	0.9077	0.0143	1.58
Nickel	60	0.4919	0.4789	0.5181	0.4963	0.0199	4.017
Nickel	62	1.021	1.162	1.162	1.115	0.0815	7.311
Selenium	77	0.1099	0.0918	0.2181	0.1399	0.0683	48.81
Selenium	78	-0.0009	0.1251	0.081	0.0684	0.0639	93.54
Selenium	82	0.1419	0.1226	0.0898	0.1181	0.0264	22.33
Silver	107	0.0376	0.04	0.035	0.0375	0.0025	6.598
Silver	109	0.0408	0.0365	0.0359	0.0377	0.0027	7.078
Strontium	86	1.511	1.467	1.485	1.488	0.022	1.48
Strontium	88	1.486	1.538	1.53	1.518	0.0282	1.859
Thallium	203	0.0061	0.0064	0.0057	0.0061	0.0003	5.745
Thallium	205	0.0051	0.0059	0.0063	0.0058	0.0006	10.36
Tin	118	0.0627	0.0586	0.0596	0.0603	0.0021	3.519
Tin	120	0.0647	0.0607	0.0619	0.0624	0.002	3.264
Uranium	238	0.0133	0.0131	0.0133	0.0132	0.0001	0.8066
Vanadium	51	1.25	1.278	1.288	1.272	0.0195	1.532
Zinc	66	46.85	47.68	48.24	47.59	0.698	1.467
Zinc	67	45.01	45.05	44.61	44.89	0.2389	0.5322
Zinc	68	45.84	45.78	46.13	45.91	0.1883	0.4102

Internal Standard Factors:

Lithium	6	0.932	1.068	1.096	0.932 n/a	n/a
Rhodium	103	1.056	1.157	1.164	1.056 n/a	n/a
Indium	115	1.048	1.125	1.128	1.048 n/a	n/a
Lutetium	175	1.034	1.125	1.131	1.034 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1005768-001			Mean	SD	%RSD
TimeStamp		6/8/10 11:15					
Antimony	121	0.0815	0.0996	0.0858	0.0889	0.0094	10.62
Antimony	123	0.0889	0.0949	0.0915	0.0918	0.003	3.257
Arsenic	75	5.185	4.96	5.042	5.062	0.114	2.251
Barium	135	9.912	10.11	10.23	10.08	0.1619	1.606
Barium	137	9.888	10	9.772	9.887	0.114	1.153
Barium	138	9.82	9.987	9.952	9.92	0.088	0.8874
Beryllium	9	0.0048	0.0066	0.0015	0.0043	0.0026	59.84
Boron	10	22.27	22.76	23.33	22.79	0.5307	2.329
Boron	11	22.32	22.9	23.44	22.89	0.5574	2.435
Cadmium	111	0.0374	0.0383	0.0468	0.0408	0.0052	12.63
Cadmium	114	0.0483	0.0439	0.0402	0.0441	0.0041	9.198
Chromium	52	0.666	0.7093	0.7402	0.7052	0.0373	5.286
Chromium	53	1.241	1.252	1.332	1.275	0.0496	3.894
Cobalt	59	0.1345	0.1349	0.1389	0.1361	0.0024	1.796
Copper	63	5.368	5.262	5.311	5.314	0.0528	0.9935
Copper	65	5.219	5.318	5.196	5.245	0.0646	1.231
Lead	206	0.1652	0.1625	0.1567	0.1615	0.0043	2.676
Lead	207	0.1696	0.1841	0.1703	0.1747	0.0082	4.694
Lead	208	0.173	0.173	0.163	0.1696	0.0058	3.411
Molybdenum	95	1.884	2.007	1.987	1.959	0.0664	3.389
Molybdenum	97	1.949	1.904	1.95	1.934	0.0265	1.371
Molybdenum	98	1.984	2.006	2.014	2.001	0.0156	0.7818
Nickel	60	2.035	2.051	1.978	2.022	0.0382	1.888
Nickel	62	2.242	2.177	2.46	2.293	0.1482	6.462
Selenium	77	0.25	0.2101	0.1527	0.2043	0.0489	23.95
Selenium	78	0.1548	0.2132	0.0074	0.1251	0.1061	84.78
Selenium	82	0.6943	0.5348	0.6357	0.6216	0.0807	12.98
Silver	107	0.011	0.0131	0.0118	0.012	0.001	8.604
Silver	109	0.0138	0.0107	0.0118	0.0121	0.0016	13.34
Strontium	86	80.09	79.03	80.05	79.72	0.6014	0.7544
Strontium	88	79.87	79.61	81.19	80.23	0.8478	1.057
Thallium	203	0.0076	0.0067	0.0074	0.0073	0.0005	6.501
Thallium	205	0.0063	0.0061	0.0068	0.0064	0.0003	5.357
Tin	118	0.0977	0.1129	0.1066	0.1057	0.0077	7.241
Tin	120	0.1079	0.1076	0.1121	0.1092	0.0025	2.278
Uranium	238	0.031	0.0329	0.0286	0.0308	0.0022	7.038
Vanadium	51	0.1356	0.1755	0.1623	0.1578	0.0203	12.87
Zinc	66	13.54	13.59	13.73	13.62	0.0999	0.7337
Zinc	67	13.5	13.65	13.15	13.43	0.259	1.928
Zinc	68	13.72	13.53	13.65	13.64	0.0931	0.6829

**Internal Standard
Factors:**

Lithium	6	1.012	1.141	1.191	1.012 n/a	n/a
Rhodium	103	1.161	1.283	1.28	1.161 n/a	n/a
Indium	115	1.136	1.263	1.266	1.136 n/a	n/a
Lutetium	175	1.08	1.211	1.193	1.08 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005768-002			Mean	SD	%RSD
TimeStamp		6/8/10 11:21					
Antimony	121	11.53	11.42	11.45	11.47	0.056	0.4884
Antimony	123	11.68	11.34	11.57	11.53	0.1705	1.479
Arsenic	75	4.144	4.07	4.166	4.127	0.0503	1.218
Barium	135	7.114	7.18	7.169	7.154	0.0351	0.4911
Barium	137	7.112	6.847	7.051	7.004	0.1387	1.98
Barium	138	7.154	7.054	7.183	7.13	0.0676	0.9486
Beryllium	9	0.0052	0.0012	0.0037	0.0034	0.002	59.8
Boron	10	25.73	26.85	26.16	26.25	0.564	2.149
Boron	11	25.36	27.02	27.35	26.58	1.069	4.024
Cadmium	111	0.1192	0.1165	0.1206	0.1188	0.0021	1.739
Cadmium	114	0.1335	0.1282	0.135	0.1322	0.0036	2.701
Chromium	52	0.6894	0.6601	0.6985	0.6827	0.0201	2.939
Chromium	53	1.183	1.212	1.279	1.225	0.0496	4.049
Cobalt	59	0.3881	0.3881	0.3934	0.3899	0.003	0.7791
Copper	63	14.64	14.54	14.45	14.54	0.0972	0.6681
Copper	65	14.11	14.33	14.68	14.37	0.2872	1.999
Lead	206	1.076	1.021	1.067	1.055	0.0294	2.787
Lead	207	1.208	1.206	1.202	1.205	0.0035	0.2901
Lead	208	1.148	1.121	1.134	1.134	0.0135	1.187
Molybdenum	95	1.948	1.915	1.902	1.922	0.024	1.247
Molybdenum	97	2.01	1.868	1.929	1.936	0.0714	3.687
Molybdenum	98	1.95	1.926	1.941	1.939	0.0121	0.626
Nickel	60	2.881	2.896	2.916	2.898	0.0175	0.6023
Nickel	62	2.867	3.011	3.141	3.006	0.1372	4.565
Selenium	77	0.136	0.1987	0.2168	0.1838	0.0424	23.08
Selenium	78	0.0567	0.0357	0.1477	0.08	0.0595	74.38
Selenium	82	0.7416	0.6496	0.8424	0.7445	0.0965	12.96
Silver	107	0.0456	0.047	0.0481	0.0469	0.0013	2.671
Silver	109	0.0434	0.0446	0.047	0.045	0.0018	4.06
Strontium	86	69.27	67.79	69.92	68.99	1.094	1.585
Strontium	88	67.16	67.5	67.97	67.54	0.4092	0.6058
Thallium	203	0.0053	0.0055	0.0061	0.0057	0.0004	6.817
Thallium	205	0.0048	0.006	0.0051	0.0053	0.0006	11.82
Tin	118	0.6009	0.5773	0.6382	0.6055	0.0307	5.075
Tin	120	0.6003	0.5952	0.5902	0.5952	0.005	0.847
Uranium	238	0.0244	0.0234	0.0245	0.0241	0.0006	2.443
Vanadium	51	0.2136	0.2123	0.2141	0.2133	0.001	0.4558
Zinc	66	29.1	29.24	29.19	29.18	0.0752	0.2578
Zinc	67	27.56	28.05	27.92	27.84	0.2531	0.9091
Zinc	68	28.35	28.19	29.14	28.56	0.5112	1.79

Internal Standard Factors:

Lithium	6	0.998	1.131	1.153	0.998 n/a	n/a
Rhodium	103	1.195	1.273	1.297	1.195 n/a	n/a
Indium	115	1.167	1.237	1.264	1.167 n/a	n/a
Lutetium	175	1.137	1.233	1.248	1.137 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:	CCV2	Mean	SD	%RSD			
TimeStamp	6/8/10 11:25						
Antimony	121	24.71	24.83	24.81	24.79	0.0646	0.2607
Antimony	123	24.97	25.39	25.41	25.26	0.2529	1.001
Arsenic	75	23.94	23.84	23.46	23.75	0.2532	1.066
Barium	135	24.64	24.51	24.35	24.5	0.1431	0.584
Barium	137	23.96	24.19	24.99	24.38	0.5422	2.224
Barium	138	24.82	24.29	24.51	24.54	0.2675	1.09
Beryllium	9	24.86	25.57	25.83	25.42	0.5025	1.977
Boron	10	24.38	25.45	25.98	25.27	0.8129	3.217
Boron	11	23.84	24.97	25.37	24.73	0.7971	3.224
Cadmium	111	25.14	25.06	25.21	25.14	0.074	0.2945
Cadmium	114	24.98	25.09	24.99	25.02	0.0598	0.2389
Chromium	52	23.47	24.21	24.7	24.13	0.6167	2.556
*Chromium	53	23.96	24.3	23.67	23.98	0.3152	1.315
Cobalt	59	23.51	23.85	23.87	23.74	0.2018	0.8499
Copper	63	23.74	23.65	23.5	23.63	0.1191	0.5039
Copper	65	23.98	23.81	23.68	23.82	0.1548	0.6498
Lead	206	25.5	25.07	24.93	25.17	0.3006	1.194
Lead	207	24.6	24.88	25	24.83	0.2049	0.8253
Lead	208	24.93	24.78	24.64	24.78	0.1468	0.5924
Molybdenum	95	24.81	24.11	24.54	24.49	0.3546	1.448
Molybdenum	97	24.55	24.28	25.13	24.65	0.4352	1.765
Molybdenum	98	25.36	24.75	25.09	25.07	0.3064	1.222
Nickel	60	23.73	23.66	23.79	23.73	0.0665	0.2803
Nickel	62	24.51	25.1	24.31	24.64	0.4086	1.659
Selenium	77	24.86	24.17	25.06	24.69	0.4636	1.877
Selenium	78	23.89	24.13	24.62	24.21	0.374	1.545
Selenium	82	24.72	23.72	24.1	24.18	0.5059	2.092
Silver	107	24.73	24.86	24.83	24.81	0.0636	0.2563
Silver	109	24.43	24.76	24.81	24.66	0.2068	0.8385
Strontium	86	24.82	24.65	24.74	24.74	0.0841	0.34
Strontium	88	24.52	24.63	24.83	24.66	0.1556	0.6309
Thallium	203	24.93	24.5	24.3	24.58	0.3201	1.302
Thallium	205	24.76	24.65	24.63	24.68	0.0709	0.2874
Tin	118	24.37	24.91	25.1	24.79	0.377	1.52
Tin	120	24.5	25.19	24.92	24.87	0.3469	1.395
Uranium	238	25.34	25.27	24.66	25.09	0.3713	1.48
Vanadium	51	23.84	23.41	25.1	24.12	0.8783	3.642
Zinc	66	24.31	24.73	24.92	24.65	0.3125	1.268
Zinc	67	24.28	23.64	24.12	24.01	0.3326	1.385
Zinc	68	24.15	23.95	23.68	23.93	0.233	0.9739

Internal Standard Factors:

Lithium	6	0.964	1.067	1.095	0.964	n/a	n/a
Rhodium	103	1.071	1.156	1.157	1.071	n/a	n/a
Indium	115	1.058	1.15	1.158	1.058	n/a	n/a
Lutetium	175	1.095	1.17	1.178	1.095	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:	CCB2	Mean	SD	%RSD			
TimeStamp	6/8/10 11:36						
Antimony	121	0.0007	-0.0019	-0.0011	-0.0007	0.0013	183.1
Antimony	123	0.0007	-0.0012	-0.0003	-0.0003	0.0009	366
Arsenic	75	0.0034	-0.0531	0.0645	0.005	0.0588	1187
Barium	135	-0.0001	0.004	0.0001	0.0014	0.0023	168.7
Barium	137	0.0025	0.0021	0.0017	0.0021	0.0004	18.62
Barium	138	0.0037	0.0018	0.0023	0.0026	0.001	38.65
Beryllium	9	0.0038	0.0007	0.0026	0.0024	0.0016	66.58
Boron	10	0.1387	0.0842	0.0795	0.1008	0.0329	32.64
Boron	11	0.0936	0.0924	0.0814	0.0892	0.0067	7.527
Cadmium	111	0.001	0	0.001	0.0007	0.0006	89.58
Cadmium	114	0.0025	0.0008	0.0005	0.0013	0.0011	85.01
Chromium	52	-0.0724	-0.0541	-0.0515	-0.0593	0.0114	19.2
Chromium	53	0.0665	0.0682	0.0824	0.0724	0.0088	12.09
Cobalt	59	-0.0017	0.0019	0.0007	0.0003	0.0018	617.4
Copper	63	-0.0178	-0.0155	0.0045	-0.0096	0.0122	127.8
Copper	65	-0.0032	-0.0052	0.0027	-0.0019	0.0041	218.5
Lead	206	0.0068	0.0039	0.0022	0.0043	0.0023	54.08
Lead	207	0.0034	0.0033	0.0008	0.0025	0.0015	59
Lead	208	0.005	0.0037	0.0021	0.0036	0.0014	39.63
Molybdenum	95	0.004	0.0045	0.0043	0.0043	0.0002	5.331
Molybdenum	97	0.0104	0.0086	0.0089	0.0093	0.001	10.33
Molybdenum	98	0.0029	0.0031	0.0021	0.0027	0.0005	18.54
Nickel	60	0.0058	0.0232	0.0407	0.0233	0.0175	75.11
Nickel	62	0.3039	0.4672	0.4648	0.412	0.0936	22.72
Selenium	77	-0.0972	0.0334	-0.0446	-0.0361	0.0657	181.7
Selenium	78	-0.1536	-0.1812	-0.0824	-0.1391	0.051	36.65
Selenium	82	-0.0926	-0.1452	0.1627	-0.0251	0.1647	657.4
Silver	107	0.0064	0.0039	0.0039	0.0047	0.0014	30.46
Silver	109	0.0083	0.006	0.003	0.0058	0.0027	46.31
Strontium	86	-0.0087	-0.0114	-0.0336	-0.0179	0.0136	76.27
Strontium	88	0.002	0.0006	-0.0004	0.0007	0.0012	165.9
Thallium	203	0.0025	0.0027	0.0024	0.0025	0.0001	4.434
Thallium	205	0.003	0.0019	0.002	0.0023	0.0006	26.83
Tin	118	0.0111	0.0104	0.0065	0.0093	0.0025	26.58
Tin	120	0.0142	0.0089	0.0114	0.0115	0.0026	22.87
Uranium	238	0.0009	0.0003	-0.0004	0.0003	0.0007	230.8
Vanadium	51	-0.0222	-0.0185	-0.0225	-0.0211	0.0023	10.69
Zinc	66	-0.0757	-0.0759	-0.0593	-0.0703	0.0095	13.56
Zinc	67	-0.066	-0.0615	-0.0698	-0.0658	0.0041	6.261
Zinc	68	-0.0534	-0.0572	-0.0359	-0.0489	0.0114	23.28

Internal Standard Factors:

Lithium	6	0.895	1.018	1.065	0.895 n/a	n/a
Rhodium	103	0.999	1.113	1.136	0.999 n/a	n/a
Indium	115	1.016	1.104	1.107	1.016 n/a	n/a
Lutetium	175	1.027	1.126	1.156	1.027 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1004769-MB 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 11:41					
Antimony	121	0.0025	0.0008	0.0016	0.0016	0.0009	52.57
Antimony	123	0.0018	0.0024	0.001	0.0018	0.0007	39.86
Arsenic	75	0.0191	-0.0103	-0.0554	-0.0155	0.0375	241.6
Barium	135	0.0321	0.0236	0.0191	0.0249	0.0066	26.46
Barium	137	0.0227	0.0251	0.0255	0.0245	0.0015	6.121
Barium	138	0.0253	0.0267	0.0263	0.0261	0.0007	2.722
Beryllium	9	0.0033	0.0041	0.002	0.0031	0.001	32.77
Boron	10	0.3308	0.3288	0.2589	0.3062	0.041	13.38
Boron	11	0.3106	0.3182	0.3415	0.3234	0.0161	4.98
Cadmium	111	0.0008	0.0025	0.0021	0.0018	0.0009	48.48
Cadmium	114	0.153	0.1678	0.1568	0.1592	0.0077	4.824
Chromium	52	0.1096	0.1381	0.1398	0.1292	0.017	13.13
Chromium	53	0.2129	0.2201	0.1884	0.2071	0.0166	8.014
Cobalt	59	0.0013	0.0015	0.002	0.0016	0.0004	22.45
Copper	63	0.026	0.0362	0.0297	0.0306	0.0052	16.97
Copper	65	0.0292	0.0452	0.0568	0.0437	0.0139	31.66
Lead	206	0.008	0.0116	0.0094	0.0096	0.0018	18.51
Lead	207	0.0075	0.0094	0.008	0.0083	0.001	11.77
Lead	208	0.0082	0.0109	0.0087	0.0093	0.0014	14.91
Molybdenum	95	0.0173	0.0156	0.0124	0.0151	0.0025	16.64
Molybdenum	97	0.0219	0.0199	0.0136	0.0185	0.0043	23.39
Molybdenum	98	0.0126	0.0147	0.0155	0.0142	0.0015	10.43
Nickel	60	0.0607	0.0778	0.0696	0.0694	0.0086	12.33
Nickel	62	0.3802	0.3457	0.6095	0.4451	0.1434	32.22
Selenium	77	-0.0253	-0.0315	-0.0533	-0.0367	0.0147	40.07
Selenium	78	-0.2512	-0.1845	-0.092	-0.1759	0.08	45.48
Selenium	82	0.0438	-0.0686	-0.2136	-0.0795	0.129	162.4
Silver	107	0.0094	0.0079	0.0066	0.008	0.0014	17.22
Silver	109	0.01	0.0074	0.0065	0.008	0.0019	23.34
Strontium	86	-0.0278	0.003	-0.012	-0.0123	0.0154	125.8
Strontium	88	0.0143	0.0161	0.0185	0.0163	0.0021	12.88
Thallium	203	0.0016	0.0034	0.0025	0.0025	0.0009	36.36
Thallium	205	0.0015	0.0026	0.0028	0.0023	0.0007	30.94
Tin	118	5.727	5.524	5.5	5.584	0.1247	2.233
Tin	120	5.542	5.658	5.501	5.567	0.0814	1.463
Uranium	238	-0.0004	-0.0007	-0.0003	-0.0005	0.0002	47.88
Vanadium	51	-0.0123	-0.0044	0.0086	-0.0027	0.0106	392.1
Zinc	66	0.0422	0.0552	0.0734	0.0569	0.0157	27.55
Zinc	67	0.0654	0.03	0.1234	0.0729	0.0471	64.6
Zinc	68	0.0847	0.0546	0.0546	0.0646	0.0174	26.93

Internal Standard Factors:

Lithium	6	0.944	1.048	1.069	0.944 n/a	n/a
Rhodium	103	1.046	1.15	1.121	1.046 n/a	n/a
Indium	115	1.044	1.141	1.14	1.044 n/a	n/a
Lutetium	175	1.069	1.135	1.145	1.069 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:	LCSS K1004769 1/100	Mean	SD	%RSD			
TimeStamp	6/8/10 11:47						
Antimony	121	4.924	4.91	4.943	4.926	0.0167	0.3381
Antimony	123	4.909	4.917	4.951	4.926	0.0227	0.4606
Arsenic	75	8.873	8.602	8.682	8.719	0.1393	1.598
Barium	135	46.58	46.49	46.49	46.52	0.0536	0.1152
Barium	137	46.04	45.95	45.87	45.95	0.0851	0.1852
Barium	138	44.74	45.35	44.74	44.94	0.3511	0.7813
Beryllium	9	5.99	6.274	6.202	6.155	0.1474	2.395
Boron	10	10.16	10.37	10.7	10.41	0.2716	2.609
Boron	11	9.783	10.19	10.48	10.15	0.3492	3.44
Cadmium	111	10.2	10.03	10.04	10.09	0.0938	0.929
Cadmium	114	10.06	9.996	9.796	9.95	0.1371	1.377
Chromium	52	14.85	14.85	15.09	14.93	0.1367	0.9154
Chromium	53	14.17	14.64	14.86	14.56	0.3526	2.422
Cobalt	59	20.07	20.35	20.73	20.38	0.3327	1.632
Copper	63	23.3	23.54	23.98	23.61	0.3466	1.468
Copper	65	23.7	23.84	24.39	23.98	0.3686	1.537
Lead	206	10.16	9.989	10.03	10.06	0.0902	0.8961
Lead	207	11.48	11.43	11.66	11.52	0.1174	1.019
Lead	208	10.92	10.91	11.02	10.95	0.0596	0.5447
Molybdenum	95	6.598	6.37	6.342	6.437	0.1404	2.181
Molybdenum	97	6.214	6.38	6.391	6.328	0.099	1.564
Molybdenum	98	6.52	6.486	6.72	6.575	0.1268	1.929
Nickel	60	20.6	20.84	21.38	20.94	0.4007	1.914
Nickel	62	21.82	21.46	21.82	21.7	0.2096	0.966
Selenium	77	18.99	19.52	19.69	19.4	0.3677	1.896
Selenium	78	18.89	19.33	19.17	19.13	0.2249	1.176
Selenium	82	19.55	18.86	19.36	19.26	0.3566	1.852
Silver	107	3.877	3.855	3.91	3.881	0.0278	0.7162
Silver	109	3.977	3.829	3.86	3.889	0.0781	2.008
Strontium	86	12.84	13.02	13.06	12.97	0.1186	0.9145
Strontium	88	13.09	13.15	13.21	13.15	0.0596	0.4535
Thallium	203	26.54	26.49	26.93	26.65	0.2396	0.899
Thallium	205	25.91	26.5	26.63	26.35	0.3832	1.454
Tin	118	2.2	2.149	2.164	2.171	0.0263	1.21
Tin	120	2.21	2.218	2.09	2.173	0.0717	3.302
Uranium	238	0.1781	0.1802	0.1808	0.1797	0.0014	0.7847
Vanadium	51	17.64	17.34	17.68	17.55	0.1836	1.046
Zinc	66	28.07	28.5	28.8	28.46	0.3628	1.275
Zinc	67	28.23	28.09	27.91	28.08	0.1596	0.5684
Zinc	68	27.97	27.75	28.2	27.97	0.2276	0.8136

Internal Standard Factors:

Lithium	6	0.922	1.045	1.08	0.922	n/a	n/a
Rhodium	103	1.048	1.164	1.193	1.048	n/a	n/a
Indium	115	1.07	1.163	1.16	1.07	n/a	n/a
Lutetium	175	1.04	1.144	1.18	1.04	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1004769-001 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 11:53					
Antimony	121	0.9665	0.9421	0.9519	0.9535	0.0123	1.288
Antimony	123	0.9785	0.9502	0.9926	0.9738	0.0216	2.218
Arsenic	75	6.651	6.41	6.828	6.63	0.2099	3.167
Barium	135	167.2	165.7	165.4	166.1	0.9392	0.5654
Barium	137	164.9	164	165.1	164.7	0.5611	0.3408
Barium	138	159.3	158.3	159.4	159	0.6307	0.3966
Beryllium	9	0.2001	0.2068	0.1765	0.1945	0.0159	8.18
Boron	10	20.96	21	20.71	20.89	0.1585	0.7584
Boron	11	21.1	20.8	20.87	20.93	0.158	0.755
Cadmium	111	0.7002	0.7028	0.6791	0.694	0.013	1.875
Cadmium	114	0.6802	0.6797	0.7	0.6866	0.0116	1.683
Chromium	52	12.75	12.69	12.55	12.67	0.1026	0.8105
Chromium	53	11.47	11.48	11.57	11.51	0.0553	0.4806
Cobalt	59	3.365	3.325	3.187	3.292	0.0934	2.838
Copper	63	164	163.1	160.1	162.4	2.077	1.279
Copper	65	168.1	164.4	166.5	166.4	1.852	1.113
Lead	206	13.64	13.88	13.39	13.64	0.242	1.775
Lead	207	15.43	15.23	15.16	15.27	0.1425	0.9328
Lead	208	14.66	14.58	14.3	14.52	0.1882	1.297
Molybdenum	95	5.763	5.93	5.865	5.852	0.0842	1.439
Molybdenum	97	5.913	5.863	6.043	5.94	0.0928	1.562
Molybdenum	98	5.81	5.969	5.95	5.91	0.0867	1.467
Nickel	60	28.62	27.88	27.54	28.02	0.5543	1.979
Nickel	62	10.79	10.72	10.45	10.65	0.1793	1.683
Selenium	77	3.233	3.393	3.283	3.303	0.0817	2.473
Selenium	78	3.833	3.742	3.629	3.735	0.1023	2.738
Selenium	82	3.168	3.451	3.787	3.469	0.31	8.937
Silver	107	2.796	2.814	2.854	2.821	0.0294	1.042
Silver	109	2.707	2.725	2.76	2.731	0.0269	0.9841
Strontium	86	2421	2438	2452	2437	15.39	0.6314
Strontium	88	2421	2436	2479	2445	30.03	1.228
Thallium	203	0.0399	0.0399	0.038	0.0393	0.0011	2.793
Thallium	205	0.0405	0.04	0.0368	0.0391	0.002	5.086
Tin	118	1.102	1.109	1.111	1.107	0.0048	0.4309
Tin	120	1.093	1.12	1.126	1.113	0.0174	1.559
Uranium	238	4.456	4.402	4.307	4.388	0.0757	1.724
Vanadium	51	73.05	71.61	71.17	71.94	0.9848	1.369
Zinc	66	387.9	388.2	383.3	386.5	2.755	0.7129
Zinc	67	379.4	371.8	369	373.4	5.387	1.443
Zinc	68	381	376.6	374.1	377.2	3.517	0.9325

**Internal Standard
Factors:**

Lithium	6	1.793	1.997	1.991	1.793	n/a	n/a
Rhodium	103	1.563	1.688	1.718	1.563	n/a	n/a
Indium	115	1.448	1.555	1.576	1.448	n/a	n/a
Lutetium	175	1.498	1.616	1.624	1.498	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1004769-001 1/5D			Mean	SD	%RSD
TimeStamp		6/8/10 11:59					
Antimony	121	0.9955	0.974	1.007	0.9923	0.0169	1.703
Antimony	123	1.033	1.014	0.9876	1.012	0.0229	2.261
Arsenic	75	6.523	6.567	6.29	6.46	0.149	2.306
Barium	135	167.3	168.7	168.8	168.2	0.8078	0.4801
Barium	137	167.2	168.4	167.3	167.6	0.6738	0.4019
Barium	138	161.1	161.9	170.1	164.4	4.996	3.039
Beryllium	9	0.2049	0.1605	0.1961	0.1872	0.0235	12.56
Boron	10	21.93	21.02	20.69	21.21	0.64	3.017
Boron	11	22.13	20.94	21.57	21.55	0.5965	2.768
Cadmium	111	0.7381	0.7532	0.7353	0.7422	0.0096	1.296
Cadmium	114	0.7122	0.7122	0.7208	0.7151	0.005	0.6936
Chromium	52	13.29	12.63	12.71	12.88	0.3602	2.797
Chromium	53	12.15	11.3	11.34	11.6	0.4773	4.116
Cobalt	59	3.4	3.286	3.258	3.315	0.0754	2.275
Copper	63	142.1	135.6	136.1	137.9	3.637	2.637
Copper	65	144.1	137.1	137.9	139.7	3.848	2.754
Lead	206	14.04	14.05	14.19	14.09	0.0805	0.5711
Lead	207	15.6	15.66	15.43	15.56	0.1199	0.7702
Lead	208	14.81	14.88	14.94	14.88	0.0638	0.4288
Molybdenum	95	5.763	5.809	5.797	5.79	0.024	0.415
Molybdenum	97	5.734	5.841	5.701	5.759	0.0728	1.264
Molybdenum	98	5.734	5.901	5.758	5.797	0.0902	1.555
Nickel	60	27.93	26.42	26.31	26.89	0.9061	3.37
Nickel	62	11.18	11.01	11.02	11.07	0.0994	0.8975
Selenium	77	3.468	3.297	3.654	3.473	0.1786	5.142
Selenium	78	3.975	3.815	3.531	3.774	0.2249	5.96
Selenium	82	3.137	3.636	3.271	3.348	0.2583	7.715
Silver	107	2.795	2.817	2.845	2.819	0.0247	0.8771
Silver	109	2.744	2.723	2.737	2.735	0.0106	0.389
Strontium	86	2337	2302	2297	2312	21.47	0.9288
Strontium	88	2308	2318	2304	2310	7.131	0.3087
Thallium	203	0.0365	0.0371	0.039	0.0375	0.0013	3.421
Thallium	205	0.0355	0.0344	0.0345	0.0348	0.0006	1.738
Tin	118	1.152	1.151	1.182	1.162	0.0175	1.503
Tin	120	1.202	1.195	1.156	1.185	0.0249	2.105
Uranium	238	3.998	3.951	4.014	3.988	0.0326	0.817
Vanadium	51	73.43	69.56	69.35	70.78	2.301	3.251
Zinc	66	410.4	391.7	389	397	11.67	2.94
Zinc	67	392.1	379.3	373.6	381.7	9.506	2.491
Zinc	68	396.6	377.8	375.3	383.2	11.66	3.042

Internal Standard Factors:

Lithium	6	1.69	1.815	1.799	1.69 n/a	n/a
Rhodium	103	1.472	1.609	1.608	1.472 n/a	n/a
Indium	115	1.378	1.493	1.494	1.378 n/a	n/a
Lutetium	175	1.408	1.527	1.523	1.408 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1004769-001 1/25L			Mean	SD	%RSD
TimeStamp		6/8/10 12:05					
Antimony	121	0.2255	0.2254	0.2287	0.2265	0.0019	0.8284
Antimony	123	0.2298	0.229	0.2218	0.2269	0.0044	1.958
Arsenic	75	1.482	1.408	1.304	1.398	0.0896	6.412
Barium	135	34.63	34.14	34.05	34.27	0.3137	0.9154
Barium	137	34.82	34.24	34.42	34.49	0.2998	0.8691
Barium	138	34.3	34.25	33.8	34.12	0.2749	0.8059
Beryllium	9	0.0556	0.062	0.0496	0.0557	0.0062	11.13
Boron	10	4.927	4.926	5.044	4.965	0.0677	1.364
Boron	11	4.584	4.712	4.848	4.714	0.132	2.799
Cadmium	111	0.1753	0.1695	0.1816	0.1755	0.006	3.434
Cadmium	114	0.167	0.173	0.1727	0.1709	0.0033	1.952
Chromium	52	2.666	2.584	2.6	2.616	0.0437	1.669
Chromium	53	2.251	2.254	2.184	2.23	0.0396	1.774
Cobalt	59	0.659	0.6679	0.6669	0.6646	0.0049	0.733
Copper	63	37.94	38.52	37.29	37.92	0.6132	1.617
Copper	65	39.1	38.39	38.47	38.65	0.3873	1.002
Lead	206	3.568	3.529	3.546	3.547	0.0196	0.551
Lead	207	3.943	3.899	3.899	3.914	0.0256	0.6527
Lead	208	3.781	3.724	3.738	3.748	0.0296	0.789
Molybdenum	95	1.144	1.146	1.162	1.151	0.0098	0.8506
Molybdenum	97	1.17	1.136	1.128	1.145	0.0224	1.954
Molybdenum	98	1.184	1.165	1.18	1.176	0.0099	0.8383
Nickel	60	5.58	5.683	5.72	5.661	0.0727	1.284
Nickel	62	2.082	1.954	1.993	2.01	0.0656	3.263
Selenium	77	0.9655	0.9725	0.8034	0.9138	0.0957	10.47
Selenium	78	0.9739	1.226	0.912	1.037	0.1664	16.04
Selenium	82	1.008	0.7175	0.5549	0.7603	0.2298	30.22
Silver	107	0.6736	0.6711	0.6763	0.6737	0.0026	0.3848
Silver	109	0.6734	0.6534	0.6678	0.6648	0.0103	1.55
Strontium	86	470.5	464.3	459.1	464.6	5.688	1.224
Strontium	88	472.3	470.7	467.5	470.2	2.42	0.5146
Thallium	203	0.0103	0.0092	0.011	0.0102	0.0009	8.815
Thallium	205	0.01	0.0107	0.0103	0.0103	0.0003	3.082
Tin	118	0.2293	0.2285	0.2124	0.2234	0.0095	4.259
Tin	120	0.2779	0.2262	0.2277	0.2439	0.0294	12.06
Uranium	238	1.013	1.009	0.984	1.002	0.0155	1.548
Vanadium	51	13.96	13.87	13.9	13.91	0.0441	0.3169
Zinc	66	99.73	97.82	96.93	98.16	1.428	1.454
Zinc	67	94.77	93.58	92.12	93.49	1.33	1.422
Zinc	68	94.47	94.25	94.04	94.25	0.2187	0.232

Internal Standard Factors:

Lithium	6	0.989	1.114	1.144	0.989 n/a	n/a
Rhodium	103	1.007	1.112	1.107	1.007 n/a	n/a
Indium	115	0.996	1.094	1.094	0.996 n/a	n/a
Lutetium	175	1.076	1.159	1.17	1.076 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1004769-001 1/5 +50A			Mean	SD	%RSD
TimeStamp		6/8/10 12:10					
Antimony	121	47.24	48.07	47.03	47.45	0.5531	1.166
Antimony	123	47.72	48.76	47.58	48.02	0.6464	1.346
Arsenic	75	62	61.85	62.48	62.11	0.3291	0.5298
Barium	135	220	216.9	216.2	217.7	2.007	0.9219
Barium	137	215.6	216.4	213.8	215.2	1.334	0.6197
Barium	138	219.9	222.4	221.1	221.1	1.268	0.5732
Beryllium	9	46.39	43.93	43.78	44.7	1.464	3.276
Boron	10	70.67	66.61	68.14	68.48	2.049	2.992
Boron	11	73.02	68.98	69.38	70.46	2.227	3.16
Cadmium	111	44.15	44	44.03	44.06	0.0782	0.1775
Cadmium	114	42.91	43.87	42.86	43.22	0.5681	1.315
Chromium	52	76.4	72.92	73.51	74.28	1.866	2.512
Chromium	53	73.22	71.92	71.52	72.22	0.8887	1.231
Cobalt	59	61.66	60.37	60.57	60.87	0.6907	1.135
Copper	63	211.3	205.8	207.4	208.2	2.826	1.357
Copper	65	214.6	208.1	209.3	210.7	3.465	1.645
Lead	206	51.02	50.99	51.17	51.06	0.0975	0.1909
Lead	207	52.37	52.15	52.76	52.43	0.3106	0.5924
Lead	208	51.64	51.06	51.74	51.48	0.3696	0.718
Molybdenum	95	64.56	65.06	63.8	64.47	0.6329	0.9817
Molybdenum	97	65.02	66.26	65.92	65.73	0.6372	0.9694
Molybdenum	98	65.75	65.91	65.39	65.68	0.2624	0.3994
Nickel	60	82.55	80.71	79.49	80.92	1.54	1.903
Nickel	62	65.64	62.2	62.01	63.28	2.042	3.226
Selenium	77	53.08	51.76	51.01	51.95	1.05	2.021
Selenium	78	53.55	53.55	52.75	53.28	0.4635	0.8698
Selenium	82	51.65	52.09	51.13	51.62	0.4802	0.9303
Silver	107	2.79	2.844	2.769	2.801	0.0387	1.382
Silver	109	2.675	2.709	2.7	2.695	0.0177	0.6567
Strontium	86	2480	2425	2436	2447	29.14	1.191
Strontium	88	2472	2468	2446	2462	13.87	0.5636
Thallium	203	41.62	41.08	41.77	41.49	0.3604	0.8687
Thallium	205	40.91	40.73	41.25	40.97	0.2614	0.638
Tin	118	47.43	48.31	47.47	47.74	0.4955	1.038
Tin	120	48.38	49.28	48.26	48.64	0.556	1.143
Uranium	238	48.84	48.7	48.83	48.79	0.0821	0.1682
Vanadium	51	139.9	136.8	132.1	136.3	3.947	2.897
Zinc	66	426.6	414.5	411.8	417.7	7.898	1.891
Zinc	67	413.8	405.4	402.8	407.3	5.72	1.404
Zinc	68	414.3	402.9	403.2	406.8	6.516	1.602

2/6/910
See H2 +200

Internal Standard Factors:

Lithium	6	1.631	1.741	1.748	1.631 n/a	n/a
Rhodium	103	1.459	1.609	1.608	1.459 n/a	n/a
Indium	115	1.36	1.471	1.47	1.36 n/a	n/a
Lutetium	175	1.424	1.509	1.542	1.424 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1004769-001 1/5 +200A			Mean	SD	%RSD
TimeStamp		6/8/10 12:26					
Antimony	121	198.2	196.4	194.8	196.5	1.685	0.8576
Antimony	123	196.1	200.3	201	199.2	2.654	1.332
Arsenic	75	253.7	244.2	246	248	5.059	2.04
Barium	135	383.1	386.3	383.1	384.2	1.857	0.4833
Barium	137	378.3	383.8	379.7	380.6	2.869	0.7538
Barium	138	395.3	394.9	401.2	397.1	3.558	0.8961
Beryllium	9	204.7	196.9	199.1	200.2	4.027	2.011
Boron	10	239.7	229.8	232.6	234.1	5.099	2.179
Boron	11	242.9	237.6	242.5	241	2.99	1.241
Cadmium	111	182.1	185.4	186	184.5	2.09	1.133
Cadmium	114	177.6	178.1	178.2	178	0.3441	0.1934
Chromium	52	284	276.4	278.2	279.5	4	1.431
Chromium	53	288.8	272.7	272.5	278	9.354	3.364
Cobalt	59	274.8	265.1	267.4	269.1	5.068	1.884
Copper	63	367.7	351.8	357.9	359.1	8.02	2.233
Copper	65	370.2	352	358.9	360.4	9.204	2.554
Lead	206	194.9	193.7	195	194.5	0.741	0.3809
Lead	207	195.6	194.9	197.5	196	1.338	0.6827
Lead	208	191.9	191.3	194.1	192.4	1.467	0.7625
Molybdenum	95	262.8	256.6	269.9	263.1	6.694	2.544
Molybdenum	97	270.2	259.5	263.1	264.3	5.451	2.063
Molybdenum	98	272	264.2	267.5	267.9	3.931	1.467
Nickel	60	263.9	255.2	255.5	258.2	4.931	1.91
Nickel	62	254.1	237.7	242.5	244.8	8.465	3.459
Selenium	77	224.1	214.4	216.8	218.4	5.022	2.299
Selenium	78	222.8	215.4	218.6	218.9	3.687	1.684
Selenium	82	216.8	206.2	214	212.3	5.474	2.578
Silver	107	2.755	2.709	2.753	2.739	0.0257	0.9398
Silver	109	2.636	2.614	2.656	2.635	0.0212	0.8026
Strontium	86	2622	2536	2599	2585	44.72	1.73
Strontium	88	2636	2561	2596	2598	37.76	1.453
Thallium	203	191.5	193.3	194.8	193.2	1.648	0.853
Thallium	205	192.6	193	194.3	193.3	0.864	0.447
Tin	118	190.7	197.6	194.8	194.3	3.496	1.799
Tin	120	194.7	204.1	196.9	198.6	4.951	2.493
Uranium	238	211.9	214.4	215.3	213.9	1.734	0.8108
Vanadium	51	346.8	340.2	354.5	347.2	7.178	2.068
Zinc	66	565	541.2	542.3	549.5	13.41	2.44
Zinc	67	560.3	525.5	541.1	542.3	17.43	3.214
Zinc	68	554.5	522.1	529.4	535.3	17	3.175

Internal Standard Factors:

Lithium	6	1.504	1.64	1.649	1.504	n/a	n/a
Rhodium	103	1.437	1.519	1.562	1.437	n/a	n/a
Indium	115	1.237	1.344	1.341	1.237	n/a	n/a
Lutetium	175	1.357	1.462	1.489	1.357	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1004769-001 1/25S			Mean	SD	%RSD
TimeStamp		6/8/10 12:32					
Antimony	121	35.12	33.78	33.75	34.22	0.7814	2.284
Antimony	123	34.26	34.57	34.9	34.58	0.3188	0.922
Arsenic	75	47.27	45.46	46.99	46.57	0.9725	2.088
Barium	135	207.5	209.7	207.3	208.1	1.317	0.6329
Barium	137	208.2	206.7	203	205.9	2.669	1.296
Barium	138	215.5	217.9	215.3	216.2	1.415	0.6544
Beryllium	9	4.622	4.463	4.573	4.553	0.0813	1.785
Boron	10	47.48	45.09	46.07	46.21	1.2	2.598
Boron	11	46.29	45.57	46.56	46.14	0.5095	1.104
Cadmium	111	4.385	4.352	4.344	4.36	0.0219	0.5028
Cadmium	114	4.248	4.194	4.244	4.229	0.0299	0.7072
Chromium	52	21.15	20.35	20.81	20.77	0.4047	1.949
Chromium	53	20.15	20.43	20.23	20.27	0.1406	0.6935
Cobalt	59	44.4	44.48	44.74	44.54	0.1778	0.3992
Copper	63	51.91	50.16	50.61	50.89	0.906	1.78
Copper	65	50.61	49.56	51.94	50.7	1.193	2.353
Lead	206	36.72	36.87	35.61	36.4	0.6878	1.889
Lead	207	44.3	43.4	43.35	43.68	0.5393	1.235
Lead	208	40.58	40.33	39.56	40.16	0.5345	1.331
Molybdenum	95	43.44	43.66	45.84	44.31	1.325	2.99
Molybdenum	97	45.32	44.56	44.73	44.87	0.4005	0.8926
Molybdenum	98	44.78	45.15	45.72	45.22	0.4702	1.04
Nickel	60	48.81	48.44	47.53	48.26	0.6595	1.367
Nickel	62	44.5	43.65	44.21	44.12	0.4361	0.9884
Selenium	77	46.14	44.74	46.06	45.65	0.7888	1.728
Selenium	78	47.45	45.64	46.78	46.63	0.9167	1.966
Selenium	82	45.9	44.54	45.54	45.33	0.7024	1.549
Silver	107	4.592	4.499	4.555	4.549	0.047	1.033
Silver	109	4.551	4.488	4.519	4.519	0.0315	0.6974
Strontium	86	457.8	447.8	453.7	453.1	5.024	1.109
Strontium	88	467.7	463.2	460.4	463.8	3.677	0.7928
Thallium	203	38.75	38.76	38.32	38.61	0.2518	0.6522
Thallium	205	38.09	39.08	38.17	38.45	0.5506	1.432
Tin	118	0.289	0.2649	0.2676	0.2738	0.0132	4.825
Tin	120	0.3027	0.2777	0.2376	0.2727	0.0328	12.04
Uranium	238	0.9271	0.9459	0.9235	0.9322	0.012	1.289
Vanadium	51	62.18	61.04	61.12	61.44	0.635	1.034
Zinc	66	138.9	135.2	137.2	137.1	1.842	1.344
Zinc	67	137.3	134.8	136	136.1	1.208	0.888
Zinc	68	138.1	134.8	135.5	136.2	1.754	1.288

**Internal Standard
Factors:**

Lithium	6	0.921	1.027	1.059	0.921 n/a	n/a
Rhodium	103	0.967	1.065	1.079	0.967 n/a	n/a
Indium	115	0.976	1.053	1.051	0.976 n/a	n/a
Lutetium	175	1.071	1.154	1.133	1.071 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1004913-002 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 12:37					
Antimony	121	0.0994	0.0957	0.106	0.1004	0.0052	5.208
Antimony	123	0.0998	0.1016	0.0991	0.1002	0.0013	1.303
Arsenic	75	2.513	2.474	2.623	2.537	0.0769	3.032
Barium	135	231.8	243.9	235.5	237.1	6.226	2.626
Barium	137	230	240	234.8	235	4.996	2.126
Barium	138	245.6	256.5	243.3	248.5	7.047	2.836
Beryllium	9	0.395	0.374	0.3895	0.3862	0.0109	2.81
Boron	10	3.382	3.058	2.953	3.131	0.2239	7.15
Boron	11	3.405	3.33	3.214	3.316	0.0962	2.902
Cadmium	111	149.2	157.2	150.2	152.2	4.36	2.865
Cadmium	114	144.7	150.9	149.1	148.2	3.22	2.172
Chromium	52	97.8	94.09	95.09	95.66	1.918	2.005
Chromium	53	93.59	95.14	94.62	94.45	0.7902	0.8366
Cobalt	59	4.436	4.342	4.346	4.375	0.0529	1.209
Copper	63	13.98	13.97	13.56	13.83	0.2367	1.711
Copper	65	14.22	14.05	14	14.09	0.1144	0.812
Lead	206	15.26	15.63	15.21	15.37	0.2301	1.497
Lead	207	16.74	16.65	16.1	16.5	0.3472	2.105
Lead	208	15.94	16.54	15.87	16.11	0.3688	2.289
Molybdenum	95	1.072	1.012	1.035	1.039	0.03	2.889
Molybdenum	97	0.9985	0.9766	1.025	1	0.0241	2.412
Molybdenum	98	1.035	1.01	1.036	1.027	0.0146	1.421
Nickel	60	13.44	13.36	13.45	13.42	0.0531	0.3954
Nickel	62	13.02	13.02	12.93	12.99	0.0517	0.3978
Selenium	77	0.9314	0.9688	0.8332	0.9111	0.07	7.686
Selenium	78	0.4999	0.2446	0.3065	0.3503	0.1331	38
Selenium	82	0.3802	0.0586	0.4336	0.2908	0.2029	69.75
Silver	107	0.3501	0.3514	0.3534	0.3516	0.0016	0.4666
Silver	109	0.3247	0.3365	0.3236	0.3283	0.0071	2.168
Strontium	86	77.78	76.87	76.45	77.03	0.682	0.8853
Strontium	88	77.16	75.89	74.61	75.88	1.278	1.684
Thallium	203	0.0837	0.0853	0.0822	0.0838	0.0016	1.863
Thallium	205	0.0777	0.0814	0.0834	0.0808	0.0029	3.56
Tin	118	0.9641	0.9995	0.9987	0.9874	0.0202	2.049
Tin	120	0.9682	1.019	1.003	0.9967	0.0259	2.596
Uranium	238	0.8229	0.8127	0.7953	0.8103	0.0139	1.718
Vanadium	51	16.49	14.69	14.46	15.22	1.114	7.319
Zinc	66	1212	1218	1230	1220	8.991	0.7369
Zinc	67	1249	1233	1234	1239	9.205	0.7432
Zinc	68	1243	1223	1211	1226	16.08	1.311

Internal Standard Factors:

Lithium	6	0.846	0.964	0.984	0.846	n/a	n/a
Rhodium	103	0.947	1.066	1.07	0.947	n/a	n/a
Indium	115	0.936	1.091	1.061	0.936	n/a	n/a
Lutetium	175	1.115	1.244	1.213	1.115	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1004913-003 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 12:42					
Antimony	121	0.1013	0.1054	0.0963	0.101	0.0046	4.518
Antimony	123	0.0995	0.106	0.0966	0.1007	0.0048	4.792
Arsenic	75	2.795	2.719	2.7	2.738	0.0505	1.843
Barium	135	173.5	175.3	177	175.3	1.772	1.011
Barium	137	180.5	175.2	175.2	177	3.057	1.728
Barium	138	180.1	182.8	183.7	182.2	1.866	1.024
Beryllium	9	0.4153	0.3843	0.3798	0.3931	0.0194	4.921
Boron	10	3.041	2.706	2.693	2.813	0.1972	7.01
Boron	11	2.918	2.791	2.773	2.828	0.0792	2.802
Cadmium	111	11.07	10.73	10.75	10.85	0.1927	1.776
Cadmium	114	10.53	10.56	10.35	10.48	0.1138	1.086
Chromium	52	15.93	15.53	15.33	15.6	0.3065	1.965
Chromium	53	15.53	15.43	15.29	15.42	0.12	0.7784
Cobalt	59	3.386	3.296	3.359	3.347	0.0464	1.385
Copper	63	11.56	11.53	11.05	11.38	0.2867	2.519
Copper	65	11.71	11.22	11.44	11.46	0.2409	2.103
Lead	206	24.03	24.07	24.85	24.32	0.4589	1.887
Lead	207	26.04	26.09	26.36	26.16	0.172	0.6576
Lead	208	25.15	25.26	26.04	25.48	0.4855	1.905
Molybdenum	95	0.3909	0.3723	0.4085	0.3906	0.0181	4.633
Molybdenum	97	0.3728	0.3887	0.3676	0.3764	0.011	2.92
Molybdenum	98	0.3886	0.3576	0.371	0.3724	0.0155	4.165
Nickel	60	7.08	7.13	7.106	7.105	0.0249	0.3509
Nickel	62	7.026	7.032	7.084	7.047	0.0318	0.4511
Selenium	77	0.742	0.6664	0.7251	0.7112	0.0397	5.584
Selenium	78	0.2182	0.0904	0.0503	0.1196	0.0877	73.31
Selenium	82	0.2705	0.0818	0.4667	0.273	0.1925	70.49
Silver	107	0.1347	0.1311	0.1246	0.1301	0.0051	3.948
Silver	109	0.1175	0.1176	0.1123	0.1158	0.003	2.606
Strontium	86	46.8	46.71	45.83	46.45	0.5333	1.148
Strontium	88	47.16	47.38	45.58	46.71	0.9833	2.105
Thallium	203	0.0859	0.0935	0.0917	0.0904	0.004	4.389
Thallium	205	0.0879	0.0928	0.0886	0.0898	0.0027	2.97
Tin	118	0.7781	0.7699	0.7442	0.7641	0.0177	2.314
Tin	120	0.7384	0.7644	0.7321	0.745	0.0171	2.298
Uranium	238	0.5493	0.5621	0.5939	0.5685	0.023	4.038
Vanadium	51	15	15.38	14.49	14.96	0.4449	2.974
Zinc	66	317.9	312.9	314	314.9	2.61	0.829
Zinc	67	312.3	305.2	303	306.8	4.859	1.584
Zinc	68	313.9	300.9	311.2	308.7	6.888	2.232

Internal Standard

Factors:

Lithium	6	0.842	0.941	0.945	0.842	n/a	n/a
Rhodium	103	0.98	1.075	1.088	0.98	n/a	n/a
Indium	115	1.01	1.099	1.089	1.01	n/a	n/a
Lutetium	175	1.075	1.186	1.232	1.075	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:	CCV3	Mean	SD	%RSD			
TimeStamp	6/8/10 12:47						
Antimony	121	25	25.5	24.83	25.11	0.3488	1.389
Antimony	123	25.65	25.12	25.69	25.49	0.3177	1.246
Arsenic	75	25.22	24.85	25.35	25.14	0.2573	1.023
Barium	135	24.47	25.58	24.96	25.01	0.5561	2.224
Barium	137	24.75	24.53	24.23	24.5	0.2613	1.067
Barium	138	24.09	25.06	24.73	24.63	0.4933	2.003
Beryllium	9	27.28	26.14	26.15	26.52	0.6573	2.478
Boron	10	25.59	25.16	25.12	25.29	0.2599	1.028
Boron	11	25.37	25.66	25.81	25.61	0.2191	0.8555
Cadmium	111	24.95	24.83	25.11	24.97	0.1421	0.5691
Cadmium	114	24.7	25.16	24.73	24.86	0.262	1.054
Chromium	52	24.72	24.55	24.94	24.74	0.1992	0.8055
Chromium	53	25.45	24.09	25.03	24.86	0.6976	2.806
Cobalt	59	24.68	24.41	24.91	24.67	0.2501	1.014
Copper	63	24.35	24.25	24.56	24.39	0.1574	0.6455
Copper	65	25.07	24.78	24.6	24.82	0.2395	0.9649
Lead	206	24.67	24.92	25.18	24.92	0.2546	1.021
Lead	207	25.48	25.33	24.86	25.23	0.323	1.28
Lead	208	24.6	25.15	24.72	24.83	0.2898	1.167
Molybdenum	95	25.13	24.19	25.86	25.06	0.8414	3.357
Molybdenum	97	25.11	24.73	24.9	24.91	0.1943	0.7799
Molybdenum	98	24.99	24.58	26.87	25.48	1.222	4.798
Nickel	60	24.98	25.08	24.43	24.83	0.3478	1.401
Nickel	62	24.9	24.13	24.61	24.55	0.3847	1.567
Selenium	77	25.01	25.39	24.68	25.03	0.3571	1.427
Selenium	78	25.66	24.82	25.17	25.22	0.4219	1.673
Selenium	82	25.17	24.69	25.17	25.01	0.2765	1.106
Silver	107	24.65	24.79	25.04	24.83	0.1988	0.8006
Silver	109	25.45	25.21	25.25	25.3	0.1275	0.504
Strontium	86	24.96	24.23	24.89	24.69	0.4041	1.637
Strontium	88	25.47	23.86	25.09	24.8	0.843	3.398
Thallium	203	24.81	25.01	25.15	24.99	0.1696	0.6789
Thallium	205	24.55	25.32	25.04	24.97	0.3914	1.567
Tin	118	24.83	25.13	25.2	25.05	0.1942	0.775
Tin	120	24.95	26.08	24.07	25.04	1.007	4.021
Uranium	238	25.07	24.47	24.85	24.8	0.3013	1.215
Vanadium	51	24.78	25	25.37	25.05	0.2964	1.183
Zinc	66	25.09	24.09	24.56	24.58	0.502	2.042
Zinc	67	24.47	24.15	24.13	24.25	0.1909	0.7872
Zinc	68	24.9	23.56	24.22	24.23	0.6692	2.762

Internal Standard Factors:

Lithium	6	0.813	0.883	0.899	0.813	n/a	n/a
Rhodium	103	0.932	1.006	1.052	0.932	n/a	n/a
Indium	115	0.953	1.046	1.04	0.953	n/a	n/a
Lutetium	175	1.054	1.154	1.16	1.054	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:	CCB3	Mean	SD	%RSD			
TimeStamp	6/8/10 12:54						
Antimony	121	0.0025	0.0071	0.0027	0.0041	0.0026	63.44
Antimony	123	0.0049	0.0035	0.005	0.0045	0.0008	18.38
Arsenic	75	0.0528	0.0541	-0.0009	0.0353	0.0314	88.77
Barium	135	0.0198	0.0158	0.0209	0.0189	0.0027	14.43
Barium	137	0.0137	0.0155	0.0176	0.0156	0.0019	12.45
Barium	138	0.0138	0.0191	0.0194	0.0175	0.0032	18.22
Beryllium	9	0.013	0.0111	0.0124	0.0122	0.001	8.264
Boron	10	0.1967	0.1904	0.1613	0.1828	0.0189	10.35
Boron	11	0.2071	0.178	0.1533	0.1795	0.027	15.02
Cadmium	111	0.0062	0.0073	0.0069	0.0068	0.0006	8.066
Cadmium	114	0.0074	0.009	0.0094	0.0086	0.0011	12.8
Chromium	52	0.019	-0.0004	-0.0064	0.0041	0.0133	327.6
Chromium	53	0.0266	0.0428	0.0238	0.0311	0.0103	32.98
Cobalt	59	0.0154	0.0165	0.0184	0.0168	0.0015	8.841
Copper	63	-0.0913	-0.0842	-0.0832	-0.0862	0.0044	5.112
Copper	65	0.0062	0.0017	-0.0004	0.0025	0.0034	135.1
Lead	206	0.0068	0.0083	0.0134	0.0095	0.0035	36.33
Lead	207	0.0069	0.0073	0.0097	0.008	0.0015	18.93
Lead	208	0.0078	0.0075	0.0101	0.0085	0.0014	16.61
Molybdenum	95	0.0115	0.0082	0.0109	0.0102	0.0018	17.38
Molybdenum	97	0.0101	0.0091	0.0099	0.0097	0.0005	5.51
Molybdenum	98	0.0106	0.0075	0.0093	0.0091	0.0015	16.86
Nickel	60	0.0229	0.018	0.0122	0.0177	0.0053	30.14
Nickel	62	-0.3708	-0.4166	-0.3978	-0.3951	0.023	5.826
Selenium	77	0.0092	-0.0576	0.031	-0.0058	0.0462	793.2
Selenium	78	0.1473	0.06	0.0777	0.095	0.0462	48.59
Selenium	82	0.1618	0.0971	0.0152	0.0914	0.0735	80.4
Silver	107	0.0195	0.014	0.0093	0.0143	0.0051	35.66
Silver	109	0.0214	0.017	0.0084	0.0156	0.0066	42.11
Strontium	86	-0.0118	0.0088	0.015	0.004	0.014	352.1
Strontium	88	0.0208	0.0167	0.0153	0.0176	0.0028	16.07
Thallium	203	0.0054	0.0064	0.0074	0.0064	0.001	15.55
Thallium	205	0.008	0.0073	0.0059	0.0071	0.0011	15.47
Tin	118	0.027	0.0234	0.0215	0.024	0.0028	11.56
Tin	120	0.0282	0.0223	0.0228	0.0244	0.0033	13.36
Uranium	238	0.0043	0.0039	0.0044	0.0042	0.0003	6.616
Vanadium	51	0.0135	0.0025	0.0074	0.0078	0.0055	70.93
Zinc	66	-0.0279	-0.0261	-0.0262	-0.0267	0.001	3.758
Zinc	67	-0.0042	-0.024	0.0027	-0.0085	0.0139	163.1
Zinc	68	0.0028	-0.0372	-0.0296	-0.0213	0.0212	99.7

Internal Standard Factors:

Lithium	6	0.77	0.861	0.885	0.77 n/a	n/a
Rhodium	103	0.891	0.995	0.992	0.891 n/a	n/a
Indium	115	0.922	1.002	1.03	0.922 n/a	n/a
Lutetium	175	1.006	1.106	1.111	1.006 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1004913-002 1/100			Mean	SD	%RSD
TimeStamp		6/8/10 12:58					
Antimony	121	0.0045	0.0044	0.003	0.004	0.0008	20.49
Antimony	123	0.0068	0.0028	0.0018	0.0038	0.0027	70.62
Arsenic	75	0.1614	0.1753	0.1888	0.1752	0.0137	7.828
Barium	135	11.51	11.81	11.97	11.76	0.2357	2.004
Barium	137	11.53	11.73	11.73	11.66	0.1188	1.018
Barium	138	11.7	11.73	12.29	11.91	0.3331	2.798
Beryllium	9	0.0211	0.0311	0.0202	0.0241	0.006	24.98
Boron	10	0.2778	0.2618	0.2858	0.2751	0.0122	4.441
Boron	11	0.2639	0.2866	0.2611	0.2705	0.014	5.179
Cadmium	111	8.342	8.608	8.469	8.473	0.1332	1.573
Cadmium	114	8.269	8.486	8.535	8.43	0.1414	1.678
Chromium	52	4.904	5.056	4.905	4.955	0.0874	1.763
Chromium	53	4.822	5.008	4.768	4.866	0.1262	2.594
Cobalt	59	0.2337	0.2369	0.2434	0.238	0.0049	2.076
Copper	63	0.6849	0.6588	0.6637	0.6691	0.0139	2.072
Copper	65	0.7723	0.7442	0.7979	0.7715	0.0269	3.48
Lead	206	0.7717	0.7611	0.7946	0.7758	0.0171	2.209
Lead	207	0.8158	0.8228	0.8476	0.8287	0.0167	2.017
Lead	208	0.7998	0.7944	0.8322	0.8088	0.0204	2.527
Molybdenum	95	0.0555	0.0484	0.049	0.0509	0.0039	7.705
Molybdenum	97	0.0512	0.0636	0.0514	0.0554	0.0071	12.83
Molybdenum	98	0.0499	0.0557	0.0427	0.0494	0.0065	13.2
Nickel	60	0.8024	0.8323	0.8101	0.8149	0.0155	1.906
Nickel	62	0.419	0.3996	0.3872	0.4019	0.016	3.986
Selenium	77	-0.0045	0.0404	0.0448	0.0269	0.0272	101.3
Selenium	78	0.1092	0.173	0.0971	0.1264	0.0408	32.24
Selenium	82	0.0506	0.1239	0.1931	0.1225	0.0713	58.17
Silver	107	0.0178	0.0183	0.0139	0.0167	0.0024	14.3
Silver	109	0.0198	0.019	0.0144	0.0177	0.0029	16.51
Strontium	86	3.874	3.926	3.709	3.836	0.1137	2.963
Strontium	88	3.89	3.94	3.862	3.898	0.0398	1.02
Thallium	203	0.0081	0.0068	0.0066	0.0072	0.0008	11.14
Thallium	205	0.0073	0.0058	0.0071	0.0067	0.0008	11.46
Tin	118	0.059	0.0525	0.0509	0.0542	0.0043	7.918
Tin	120	0.0616	0.0585	0.0575	0.0592	0.0021	3.576
Uranium	238	0.0401	0.0382	0.0398	0.0394	0.001	2.659
Vanadium	51	0.8013	0.7731	0.8284	0.8009	0.0276	3.45
Zinc	66	75.47	76.99	76.17	76.21	0.7584	0.9951
Zinc	67	73.23	74.85	72.51	73.53	1.202	1.635
Zinc	68	74.41	73.59	73.51	73.84	0.4972	0.6734

Internal Standard Factors:

Lithium	6	0.786	0.885	0.905	0.786	n/a	n/a
Rhodium	103	0.883	0.963	0.955	0.883	n/a	n/a
Indium	115	0.903	0.989	0.994	0.903	n/a	n/a
Lutetium	175	1.002	1.055	1.115	1.002	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1004798-001 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 13:04					
Antimony	121	2.892	2.928	2.931	2.917	0.0218	0.7482
Antimony	123	2.921	2.813	2.909	2.881	0.0593	2.059
Arsenic	75	8.632	8.487	8.365	8.495	0.1336	1.573
Barium	135	297.1	301.5	294.6	297.7	3.528	1.185
Barium	137	302.2	296.2	298.4	298.9	3.033	1.015
Barium	138	316.2	310.1	317	314.4	3.77	1.199
Beryllium	9	0.1705	0.165	0.1504	0.162	0.0104	6.408
Boron	10	35.53	34	34.29	34.6	0.8119	2.346
Boron	11	34.28	33.44	33.98	33.9	0.423	1.248
Cadmium	111	2.045	2.051	2.104	2.067	0.0328	1.587
Cadmium	114	2.171	2.24	2.177	2.196	0.0385	1.752
Chromium	52	16.71	16.29	16.66	16.55	0.2283	1.379
Chromium	53	15.51	15.77	15.77	15.68	0.1487	0.9481
Cobalt	59	4.098	4.113	4.266	4.159	0.0929	2.233
Copper	63	686.4	670.5	689.6	682.2	10.24	1.501
Copper	65	701.7	710.1	718.1	709.9	8.202	1.155
Lead	206	30.37	29.73	31.32	30.48	0.8006	2.627
Lead	207	33.59	33.81	35.29	34.23	0.9259	2.705
Lead	208	32.01	32.44	33.56	32.67	0.8014	2.453
Molybdenum	95	14.09	14.31	14.28	14.23	0.1207	0.8483
Molybdenum	97	13.78	14.12	14.19	14.03	0.2195	1.565
Molybdenum	98	14.17	14.53	14.54	14.41	0.2104	1.46
Nickel	60	16.97	17	16.43	16.8	0.3233	1.925
Nickel	62	17.02	17.46	17.02	17.17	0.2539	1.479
Selenium	77	4.864	4.926	5.26	5.017	0.2133	4.252
Selenium	78	4.687	4.705	4.551	4.648	0.084	1.808
Selenium	82	4.755	4.899	5.046	4.9	0.1458	2.975
Silver	107	4.826	4.977	4.973	4.926	0.0859	1.743
Silver	109	4.764	4.779	4.797	4.78	0.0167	0.3502
Strontium	86	246.9	248.9	249.2	248.3	1.27	0.5113
Strontium	88	248.2	257.6	253.4	253	4.698	1.857
Thallium	203	0.0607	0.0596	0.0608	0.0604	0.0006	1.076
Thallium	205	0.0585	0.0603	0.0572	0.0587	0.0015	2.62
Tin	118	4.729	4.769	4.659	4.719	0.0554	1.174
Tin	120	4.787	4.655	4.757	4.733	0.0693	1.465
Uranium	238	0.8357	0.8597	0.8953	0.8636	0.03	3.469
Vanadium	51	17.72	17.71	17.6	17.68	0.0663	0.3751
Zinc	66	728.8	727.7	715.6	724	7.324	1.012
Zinc	67	704	705.6	706.5	705.4	1.271	0.1801
Zinc	68	715.2	711.4	711.9	712.8	2.067	0.29

**Internal Standard
Factors:**

Lithium	6	0.957	1.087	1.136	0.957 n/a	n/a
Rhodium	103	1.115	1.31	1.361	1.115 n/a	n/a
Indium	115	1.134	1.268	1.287	1.134 n/a	n/a
Lutetium	175	1.128	1.247	1.334	1.128 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1004798-001 1/5D			Mean	SD	%RSD
TimeStamp		6/8/10 13:10					
Antimony	121	2.941	3.016	2.976	2.978	0.0377	1.266
Antimony	123	3.003	2.977	2.967	2.982	0.0189	0.6332
Arsenic	75	9.043	8.792	9.033	8.956	0.1424	1.59
Barium	135	327.6	319.2	323	323.3	4.211	1.303
Barium	137	321.9	316.4	323.1	320.4	3.57	1.114
Barium	138	338.6	328.5	332.6	333.2	5.066	1.52
Beryllium	9	0.1843	0.1663	0.1633	0.1713	0.0114	6.636
Boron	10	36.39	34.99	35.84	35.74	0.7051	1.973
Boron	11	35.23	34.3	35.02	34.85	0.4869	1.397
Cadmium	111	2.074	2.185	2.153	2.137	0.0573	2.682
Cadmium	114	2.243	2.169	2.202	2.205	0.0375	1.699
Chromium	52	17.17	16.97	17.98	17.37	0.5362	3.087
Chromium	53	17.36	16.05	17.46	16.96	0.7861	4.635
Cobalt	59	4.207	4.149	4.284	4.213	0.0677	1.607
Copper	63	700	697.7	701.8	699.8	2.018	0.2884
Copper	65	728.9	735.2	749.5	737.9	10.55	1.43
Lead	206	36.85	36.44	36.71	36.67	0.2114	0.5765
Lead	207	40.88	40.69	41.66	41.07	0.5139	1.251
Lead	208	39.54	38.9	39.05	39.16	0.3345	0.8541
Molybdenum	95	15.44	15.46	15.23	15.38	0.1271	0.8264
Molybdenum	97	15.88	15.56	15.57	15.67	0.184	1.174
Molybdenum	98	15.43	15.28	16	15.57	0.3792	2.436
Nickel	60	18.5	17.77	17.62	17.96	0.4702	2.618
Nickel	62	17.81	17.61	17.96	17.79	0.176	0.9892
Selenium	77	4.955	4.715	4.94	4.87	0.1341	2.753
Selenium	78	4.893	4.876	4.798	4.856	0.0508	1.047
Selenium	82	5.454	4.812	5.21	5.159	0.3238	6.277
Silver	107	5.155	5.147	5.19	5.164	0.0228	0.4413
Silver	109	5.056	5.037	5.004	5.032	0.0264	0.5243
Strontium	86	254.2	259.7	263.4	259.1	4.644	1.792
Strontium	88	271.9	265.6	267.3	268.3	3.246	1.21
Thallium	203	0.0632	0.0587	0.0636	0.0618	0.0028	4.451
Thallium	205	0.0638	0.0629	0.0643	0.0637	0.0007	1.106
Tin	118	5.183	4.942	5.211	5.112	0.148	2.895
Tin	120	5.111	5.009	5.11	5.077	0.0589	1.159
Uranium	238	0.9408	0.9279	0.9371	0.9353	0.0067	0.7146
Vanadium	51	17.78	18.68	18.57	18.34	0.4914	2.679
Zinc	66	755.1	731.4	763	749.8	16.42	2.19
Zinc	67	725.9	722	718.5	722.1	3.67	0.5082
Zinc	68	742.3	737.3	740.4	740	2.544	0.3437

Internal Standard

Factors:

Lithium	6	0.986	1.125	1.168	0.986 n/a	n/a
Rhodium	103	1.227	1.374	1.412	1.227 n/a	n/a
Indium	115	1.208	1.34	1.367	1.208 n/a	n/a
Lutetium	175	1.236	1.342	1.405	1.236 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1004798-001 1/25S			Mean	SD	%RSD
TimeStamp		6/8/10 13:15					
Antimony	121	35.51	35.64	35.42	35.52	0.109	0.3068
Antimony	123	35.81	36.86	37.07	36.58	0.6727	1.839
Arsenic	75	43.19	42.62	42.1	42.64	0.5435	1.275
Barium	135	230.2	226.6	230.3	229	2.103	0.9185
Barium	137	226.7	223.5	225.5	225.2	1.615	0.717
Barium	138	232.8	242.4	243.2	239.5	5.798	2.421
Beryllium	9	4.569	4.509	4.542	4.54	0.0298	0.6559
Boron	10	47.71	47.42	47.27	47.47	0.225	0.474
Boron	11	46.33	46.27	44.99	45.87	0.759	1.655
Cadmium	111	4.685	4.844	4.822	4.784	0.0863	1.804
Cadmium	114	4.684	4.741	4.686	4.704	0.0321	0.6826
Chromium	52	18.1	18.59	18.58	18.42	0.2806	1.523
Chromium	53	18.74	19.28	18.53	18.85	0.3875	2.056
Cobalt	59	39.18	39.47	39.09	39.25	0.1942	0.4948
Copper	63	176.5	182.1	173.4	177.3	4.409	2.487
Copper	65	181.8	186.1	178.4	182.1	3.857	2.118
Lead	206	43.26	45.33	43.58	44.06	1.115	2.53
Lead	207	52.48	53.57	53.71	53.26	0.6727	1.263
Lead	208	49.41	50.71	50.85	50.32	0.7972	1.584
Molybdenum	95	42.73	44.4	41.39	42.84	1.512	3.53
Molybdenum	97	43.82	46.09	42.79	44.23	1.687	3.815
Molybdenum	98	44.25	45.51	44.91	44.89	0.6275	1.398
Nickel	60	42.57	43	41.92	42.5	0.5438	1.28
Nickel	62	41.54	43.84	43.43	42.94	1.225	2.852
Selenium	77	43.6	43.65	42.75	43.34	0.5089	1.174
Selenium	78	44.12	43.67	42.47	43.42	0.8552	1.97
Selenium	82	44.33	43.7	42.49	43.51	0.9333	2.145
Silver	107	4.867	5.105	4.977	4.983	0.1194	2.396
Silver	109	4.982	5.03	4.993	5.002	0.0247	0.4929
Strontium	86	54.89	54.93	53.82	54.55	0.63	1.155
Strontium	88	55.6	56	55.6	55.73	0.2306	0.4137
Thallium	203	40.34	42.29	41.33	41.32	0.9748	2.359
Thallium	205	41.11	44.02	44.41	43.18	1.801	4.171
Tin	118	1.295	1.321	1.289	1.302	0.0168	1.287
Tin	120	1.296	1.297	1.313	1.302	0.0096	0.736
Uranium	238	0.1853	0.19	0.1999	0.1917	0.0075	3.901
Vanadium	51	42.35	42.84	42.4	42.53	0.2718	0.639
Zinc	66	219.9	221.5	213.9	218.5	4.003	1.832
Zinc	67	212.6	217.6	210.6	213.6	3.607	1.689
Zinc	68	214.2	217.6	211.7	214.5	2.96	1.38

**Internal Standard
Factors:**

Lithium	6	0.909	0.998	1.022	0.909 n/a	n/a
Rhodium	103	1.126	1.275	1.233	1.126 n/a	n/a
Indium	115	1.137	1.232	1.241	1.137 n/a	n/a
Lutetium	175	1.172	1.303	1.321	1.172 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1005509-MB 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 13:22					
Antimony	121	0.0039	0.0052	0.0031	0.0041	0.0011	25.95
Antimony	123	0.002	0.0052	0.0067	0.0047	0.0024	51.28
Arsenic	75	-0.0414	-0.0186	-0.0128	-0.0243	0.0152	62.39
Barium	135	0.032	0.0675	0.0366	0.0454	0.0193	42.56
Barium	137	0.0326	0.0528	0.04	0.0418	0.0102	24.39
Barium	138	0.0383	0.0566	0.0453	0.0467	0.0092	19.75
Beryllium	9	0.0075	0.0077	0.0027	0.006	0.0028	47.38
Boron	10	0.5953	0.6223	0.5381	0.5852	0.043	7.347
Boron	11	0.6555	0.5911	0.5497	0.5988	0.0533	8.901
Cadmium	111	0.0007	0.0043	0.0027	0.0025	0.0018	70.23
Cadmium	114	0.2161	0.2146	0.2377	0.2228	0.0129	5.803
Chromium	52	0.165	0.1871	0.1878	0.18	0.013	7.202
Chromium	53	0.1932	0.1988	0.1873	0.1931	0.0058	2.997
Cobalt	59	0.0125	0.0206	0.0206	0.0179	0.0047	25.98
Copper	63	-0.0374	0.0037	-0.0049	-0.0129	0.0217	168.4
Copper	65	0.0493	0.0906	0.0646	0.0682	0.0209	30.65
Lead	206	0.0132	0.0176	0.0121	0.0143	0.0029	20.18
Lead	207	0.0122	0.0165	0.0122	0.0136	0.0025	18.37
Lead	208	0.0111	0.0166	0.0129	0.0135	0.0028	21.01
Molybdenum	95	0.0277	0.0261	0.0248	0.0262	0.0015	5.548
Molybdenum	97	0.0361	0.0259	0.0259	0.0293	0.0059	20.2
Molybdenum	98	0.0307	0.0265	0.021	0.026	0.0049	18.68
Nickel	60	0.0802	0.089	0.0979	0.0891	0.0089	9.955
Nickel	62	-0.1597	-0.1368	-0.1156	-0.1374	0.0221	16.07
Selenium	77	0.0256	-0.0687	-0.0296	-0.0242	0.0474	195.6
Selenium	78	0.0708	-0.1719	0.092	-0.003	0.1466	4807
Selenium	82	-0.0941	-0.1421	-0.0769	-0.1044	0.0338	32.36
Silver	107	0	-0.0028	-0.0028	-0.0019	0.0016	85.84
Silver	109	-0.0006	0.0009	-0.0015	-0.0004	0.0013	305.3
Strontium	86	0.002	0.0383	0.011	0.0171	0.0189	110.5
Strontium	88	0.0182	0.0472	0.0312	0.0322	0.0146	45.19
Thallium	203	0.0033	0.0073	0.0053	0.0053	0.002	37.96
Thallium	205	0.0031	0.006	0.0051	0.0048	0.0015	31.51
Tin	118	7.414	7.671	7.784	7.623	0.1899	2.491
Tin	120	7.525	7.386	8.366	7.759	0.5304	6.837
Uranium	238	0.0007	0.0019	0.0014	0.0013	0.0006	46.51
Vanadium	51	-0.0027	0.0063	0.0072	0.0036	0.0055	152.1
Zinc	66	0.0736	0.1042	0.0799	0.0859	0.0162	18.81
Zinc	67	0.1006	0.1379	0.0603	0.0996	0.0388	38.95
Zinc	68	0.0892	0.0958	0.1225	0.1025	0.0176	17.2

Internal Standard Factors:

Lithium	6	0.802	0.914	0.935	0.802 n/a	n/a
Rhodium	103	0.978	1.09	1.091	0.978 n/a	n/a
Indium	115	1.016	1.098	1.117	1.016 n/a	n/a
Lutetium	175	1.118	1.253	1.245	1.118 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		LCSW K1005509 1/25			Mean	SD	%RSD
TimeStamp		6/8/10 13:33					
Antimony	121	39.72	42.03	40.42	40.73	1.186	2.911
Antimony	123	39.62	41.8	40.83	40.75	1.091	2.678
Arsenic	75	41.23	41.2	38.87	40.43	1.355	3.351
Barium	135	160.8	165.8	160.4	162.3	2.979	1.835
Barium	137	158.3	166.9	159.6	161.6	4.599	2.846
Barium	138	162.6	171.1	169.3	167.7	4.436	2.646
Beryllium	9	4.385	4.472	4.472	4.443	0.0502	1.13
Boron	10	42.62	43.61	42.56	42.93	0.5895	1.373
Boron	11	41.54	42.45	41.6	41.86	0.5068	1.211
Cadmium	111	4.098	4.36	4.264	4.24	0.1326	3.127
Cadmium	114	4.063	4.284	4.043	4.13	0.1336	3.234
Chromium	52	15.13	15.83	14.78	15.24	0.5355	3.513
Chromium	53	15.26	15.67	15.2	15.38	0.2548	1.657
Cobalt	59	38.43	38.64	38.64	38.57	0.1227	0.3181
Copper	63	19.17	19.67	19.49	19.45	0.2543	1.308
Copper	65	19.7	19.65	19.47	19.61	0.1245	0.635
Lead	206	34.5	36.09	36.02	35.54	0.8972	2.525
Lead	207	41.82	43.52	43.94	43.09	1.125	2.61
Lead	208	38.52	40.47	40.33	39.77	1.087	2.734
Molybdenum	95	39.77	40.76	39.21	39.91	0.785	1.967
Molybdenum	97	39.71	41.27	39.85	40.28	0.8621	2.14
Molybdenum	98	40.88	42.1	39.08	40.69	1.524	3.746
Nickel	60	39.05	38.73	37.72	38.5	0.6924	1.799
Nickel	62	38.45	39.11	38.16	38.57	0.4827	1.251
Selenium	77	41.97	42.32	41.21	41.84	0.5658	1.353
Selenium	78	42.73	43.81	41.14	42.56	1.345	3.161
Selenium	82	41.66	41.9	40.8	41.45	0.5795	1.398
Silver	107	4.008	4.214	4.1	4.107	0.1034	2.518
Silver	109	4.164	4.174	4.071	4.136	0.0566	1.369
Strontium	86	0.0368	0.0397	0.0065	0.0277	0.0184	66.51
Strontium	88	0.036	0.04	0.0389	0.0383	0.0021	5.408
Thallium	203	38.93	40.47	40.45	39.95	0.8846	2.214
Thallium	205	40.64	43.31	42.64	42.2	1.39	3.293
Tin	118	1.55	1.591	1.555	1.565	0.0226	1.441
Tin	120	1.431	1.534	1.547	1.504	0.0637	4.238
Uranium	238	-0.0005	0.0002	0.0001	-0.0001	0.0003	572.8
Vanadium	51	37.92	39.27	39.18	38.79	0.7545	1.945
Zinc	66	41.09	41.56	40.63	41.09	0.4668	1.136
Zinc	67	43.82	45.14	42.05	43.67	1.553	3.557
Zinc	68	41.68	44.26	42.13	42.69	1.382	3.237

Internal Standard Factors:

Lithium	6	0.801	0.93	0.952	0.801	n/a	n/a
Rhodium	103	0.978	1.14	1.128	0.978	n/a	n/a
Indium	115	0.987	1.138	1.13	0.987	n/a	n/a
Lutetium	175	1.043	1.208	1.222	1.043	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name: TimeStamp	LCSS K1005509 1/100 6/8/10 13:37				Mean	SD	%RSD
Antimony	121	3.705	3.875	3.822	3.801	0.0868	2.285
Antimony	123	3.747	3.788	3.709	3.748	0.0394	1.052
Arsenic	75	8.512	8.71	8.621	8.614	0.0992	1.152
Barium	135	44.17	45.11	46.57	45.29	1.206	2.664
Barium	137	42.52	44.57	45.43	44.17	1.494	3.382
Barium	138	45.6	46.34	46.59	46.18	0.5151	1.116
Beryllium	9	6.406	6.227	6.493	6.376	0.1354	2.123
Boron	10	13.64	13.19	13.02	13.28	0.3222	2.426
Boron	11	13.39	13.06	12.88	13.11	0.2601	1.984
Cadmium	111	9.564	9.556	9.986	9.702	0.2464	2.54
Cadmium	114	9.416	9.202	9.567	9.395	0.1833	1.951
Chromium	52	13.92	13.81	14.58	14.1	0.4152	2.944
Chromium	53	14	13.32	13.66	13.66	0.3361	2.46
Cobalt	59	19.63	19.11	19.06	19.27	0.3134	1.627
Copper	63	23.31	22.73	22.71	22.92	0.346	1.51
Copper	65	23.45	22.78	23.54	23.26	0.4169	1.792
Lead	206	9.623	9.851	10.03	9.835	0.2045	2.079
Lead	207	11.05	11.27	11.04	11.12	0.1273	1.144
Lead	208	10.49	10.62	10.8	10.64	0.1546	1.453
Molybdenum	95	5.798	5.942	5.849	5.863	0.0731	1.246
Molybdenum	97	5.901	5.852	6.088	5.947	0.1245	2.094
Molybdenum	98	5.966	5.868	5.991	5.942	0.0649	1.092
Nickel	60	20.02	20.24	20.52	20.26	0.2482	1.225
Nickel	62	20.01	20.2	19.69	19.97	0.258	1.292
Selenium	77	17.92	17.29	17.83	17.68	0.3428	1.939
Selenium	78	18.93	17.99	17.95	18.29	0.5511	3.013
Selenium	82	18.25	18.75	17.97	18.32	0.3939	2.149
Silver	107	2.768	2.865	2.793	2.809	0.0504	1.794
Silver	109	2.777	2.829	2.846	2.817	0.0361	1.283
Strontium	86	12.24	11.87	12.3	12.14	0.2349	1.935
Strontium	88	12.28	12.41	12.24	12.31	0.0868	0.7054
Thallium	203	25.18	24.91	25.19	25.09	0.1611	0.6418
Thallium	205	24.38	25.31	25.72	25.13	0.6831	2.718
Tin	118	2.484	2.388	2.562	2.478	0.0873	3.522
Tin	120	2.491	2.38	2.591	2.487	0.1056	4.244
Uranium	238	0.1612	0.1611	0.1692	0.1639	0.0047	2.843
Vanadium	51	16.65	16.99	16.83	16.82	0.1699	1.01
Zinc	66	26.25	26.12	26.61	26.32	0.2541	0.9653
Zinc	67	26.45	25.29	26.13	25.96	0.5996	2.31
Zinc	68	26.37	25.89	26.32	26.19	0.267	1.019

**Internal Standard
Factors:**

Lithium	6	0.853	0.936	0.963	0.853	n/a	n/a
Rhodium	103	1.053	1.158	1.165	1.053	n/a	n/a
Indium	115	1.079	1.175	1.216	1.079	n/a	n/a
Lutetium	175	1.141	1.283	1.312	1.141	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005509-002 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 13:43					
Antimony	121	0.0419	0.0442	0.0458	0.044	0.002	4.477
Antimony	123	0.046	0.0516	0.0533	0.0503	0.0038	7.566
Arsenic	75	11.64	11.38	11.68	11.57	0.1614	1.395
Barium	135	113.4	111.7	113.5	112.9	1.064	0.9425
Barium	137	114.3	109.9	111.9	112.1	2.211	1.973
Barium	138	120.2	114	119.5	117.9	3.362	2.852
Beryllium	9	0.7158	0.6507	0.6241	0.6636	0.0472	7.107
Boron	10	45.84	44.53	44.64	45	0.7247	1.61
Boron	11	45.63	44.85	43.99	44.82	0.8224	1.835
Cadmium	111	0.2333	0.2179	0.2342	0.2285	0.0092	4.016
Cadmium	114	0.3198	0.2977	0.3131	0.3102	0.0113	3.655
Chromium	52	122.7	118.5	124.5	121.9	3.103	2.545
Chromium	53	123.3	122.8	126.7	124.3	2.137	1.719
Cobalt	59	21.76	20.97	21.93	21.55	0.5088	2.36
Copper	63	45.16	44.35	45.76	45.09	0.7053	1.564
Copper	65	45.42	44.56	46.48	45.49	0.9592	2.109
Lead	206	13.91	13.74	13.82	13.82	0.0851	0.616
Lead	207	15.28	15.14	14.99	15.13	0.1439	0.9509
Lead	208	14.76	14.59	14.72	14.69	0.0871	0.5926
Molybdenum	95	0.9933	0.9485	1.027	0.9895	0.0393	3.97
Molybdenum	97	0.941	1.015	1.004	0.9866	0.0399	4.044
Molybdenum	98	1.003	1.004	1.017	1.008	0.008	0.7949
Nickel	60	153.9	153.4	157.3	154.9	2.079	1.342
Nickel	62	160	158.8	162.9	160.5	2.104	1.311
Selenium	77	1.209	1.141	1.183	1.178	0.0341	2.897
Selenium	78	0.468	0.3411	0.4058	0.4049	0.0634	15.67
Selenium	82	1.014	1.047	0.9852	1.015	0.0307	3.025
Silver	107	0.1933	0.2004	0.2009	0.1982	0.0043	2.151
Silver	109	0.1847	0.1642	0.1715	0.1735	0.0104	5.993
Strontium	86	75.39	73.68	77.02	75.36	1.669	2.214
Strontium	88	75.57	75.32	77.75	76.21	1.338	1.756
Thallium	203	0.1735	0.1769	0.1688	0.173	0.0041	2.348
Thallium	205	0.1748	0.1666	0.1689	0.1701	0.0042	2.481
Tin	118	3.271	3.01	3.218	3.167	0.1378	4.351
Tin	120	3.116	3.092	3.237	3.148	0.0777	2.469
Uranium	238	0.9418	0.9934	0.9913	0.9755	0.0292	2.994
Vanadium	51	71.73	69.84	71.4	70.99	1.011	1.424
Zinc	66	110.2	107.8	111.5	109.8	1.896	1.727
Zinc	67	111.2	110.3	113.3	111.6	1.558	1.396
Zinc	68	110.1	108.2	111.2	109.9	1.508	1.373

Internal Standard Factors:

Lithium	6	0.892	1.031	1.056	0.892 n/a	n/a
Rhodium	103	1.228	1.401	1.47	1.228 n/a	n/a
Indium	115	1.208	1.302	1.366	1.208 n/a	n/a
Lutetium	175	1.195	1.328	1.355	1.195 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1005509-002 1/25L			Mean	SD	%RSD
TimeStamp		6/8/10 13:48					
Antimony	121	0.0215	0.021	0.0191	0.0205	0.0013	6.389
Antimony	123	0.0198	0.0162	0.0212	0.0191	0.0026	13.46
Arsenic	75	2.617	2.608	2.557	2.594	0.0321	1.238
Barium	135	23.29	22.82	23.57	23.23	0.381	1.64
Barium	137	23.15	22.35	23.14	22.88	0.456	1.993
Barium	138	22.35	22.57	23.34	22.75	0.5203	2.287
Beryllium	9	0.1721	0.1682	0.1601	0.1668	0.0061	3.684
Boron	10	12.05	11.67	11.14	11.62	0.4606	3.964
Boron	11	11.51	11.79	11.78	11.69	0.1583	1.354
Cadmium	111	0.0641	0.0623	0.052	0.0595	0.0065	10.94
Cadmium	114	0.0628	0.0689	0.0709	0.0675	0.0043	6.314
Chromium	52	26.33	25.91	26.6	26.28	0.3445	1.311
Chromium	53	25.36	25.97	26.14	25.83	0.4117	1.594
Cobalt	59	4.662	4.638	4.747	4.683	0.0574	1.226
Copper	63	9.958	9.913	9.678	9.85	0.1501	1.524
Copper	65	10.25	10.28	10.09	10.21	0.1025	1.004
Lead	206	2.88	2.986	2.892	2.919	0.0582	1.992
Lead	207	3.215	3.278	3.164	3.219	0.0571	1.775
Lead	208	3.113	3.17	3.067	3.117	0.0516	1.657
Molybdenum	95	0.2099	0.2149	0.2054	0.2101	0.0047	2.252
Molybdenum	97	0.2034	0.1921	0.2082	0.2012	0.0083	4.106
Molybdenum	98	0.2118	0.2168	0.2097	0.2128	0.0037	1.721
Nickel	60	33.98	34.31	34.21	34.17	0.1661	0.4863
Nickel	62	35.4	34.63	35.03	35.02	0.3871	1.105
Selenium	77	0.3336	0.1826	0.3036	0.2733	0.08	29.26
Selenium	78	0.0553	0.1381	0.1275	0.107	0.0451	42.12
Selenium	82	0.3275	0.1448	0.1484	0.2069	0.1045	50.49
Silver	107	0.0392	0.0394	0.0353	0.038	0.0023	6.165
Silver	109	0.0355	0.0319	0.0345	0.0339	0.0019	5.463
Strontium	86	15.33	15.47	15.03	15.28	0.2229	1.459
Strontium	88	15.1	15.37	15.07	15.18	0.1636	1.078
Thallium	203	0.0532	0.0489	0.0511	0.0511	0.0022	4.253
Thallium	205	0.0514	0.0512	0.0507	0.0511	0.0003	0.6223
Tin	118	0.6622	0.6398	0.6541	0.652	0.0114	1.742
Tin	120	0.6711	0.6755	0.6717	0.6727	0.0024	0.3585
Uranium	238	0.1947	0.1873	0.1849	0.189	0.0051	2.694
Vanadium	51	15.38	15.16	15.32	15.29	0.1104	0.7223
Zinc	66	26.62	25.71	26.36	26.23	0.4682	1.785
Zinc	67	25.87	26.02	25.73	25.88	0.1421	0.5494
Zinc	68	25.8	25.66	25.22	25.56	0.3041	1.19

**Internal Standard
Factors:**

Lithium	6	0.895	0.983	0.999	0.895 n/a	n/a
Rhodium	103	1.104	1.202	1.185	1.104 n/a	n/a
Indium	115	1.131	1.172	1.208	1.131 n/a	n/a
Lutetium	175	1.14	1.209	1.199	1.14 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005509-002 1/5 +50A			Mean	SD	%RSD
TimeStamp		6/8/10 14:02					
Antimony	121	50.26	50.25	49.82	50.11	0.2522	0.5032
Antimony	123	50.67	49.59	48.72	49.66	0.9778	1.969
Arsenic	75	57.35	57.56	57.52	57.48	0.1079	0.1878
Barium	135	158.6	160.3	159	159.3	0.8671	0.5443
Barium	137	155.3	158.1	159.3	157.6	2.059	1.307
Barium	138	170.1	168.5	166.1	168.2	2.038	1.211
Beryllium	9	46.38	45.75	45.7	45.94	0.3779	0.8226
Boron	10	86.1	85.16	84.93	85.4	0.6222	0.7286
Boron	11	84.52	84.35	86.06	84.97	0.9401	1.106
Cadmium	111	47.52	47.03	47.85	47.47	0.4135	0.8712
Cadmium	114	46.65	47.7	48	47.45	0.7107	1.498
Chromium	52	161.3	162	162.7	162	0.6803	0.4198
Chromium	53	164.5	163.6	165.9	164.7	1.163	0.7061
Cobalt	59	71.93	71.39	71.06	71.46	0.4366	0.611
Copper	63	86.87	87.36	86.83	87.02	0.2961	0.3403
Copper	65	87.48	87.53	88.55	87.85	0.6018	0.685
Lead	206	61.76	62.27	60.49	61.51	0.9162	1.49
Lead	207	62.61	62.41	60.57	61.87	1.125	1.818
Lead	208	63.75	65.02	63.21	63.99	0.9276	1.449
Molybdenum	95	53.34	51.99	52.71	52.68	0.6792	1.289
Molybdenum	97	54.13	51.5	53.79	53.14	1.428	2.687
Molybdenum	98	54.76	54.77	55.4	54.98	0.3695	0.6721
Nickel	60	189.4	193.1	195.1	192.5	2.86	1.485
Nickel	62	202.1	196.3	203.2	200.5	3.691	1.841
Selenium	77	47.61	47.05	47.17	47.27	0.2973	0.6288
Selenium	78	46.37	46.45	45.8	46.2	0.353	0.7641
Selenium	82	47.76	47.22	46.86	47.28	0.4533	0.9589
Silver	107	0.2161	0.2158	0.2133	0.2151	0.0015	0.7138
Silver	109	0.1733	0.1962	0.1918	0.1871	0.0121	6.478
Strontium	86	119.9	117.6	119.2	118.9	1.185	0.9963
Strontium	88	117.4	117.2	116.8	117.1	0.312	0.2663
Thallium	203	47.69	48.77	48.05	48.17	0.5505	1.143
Thallium	205	51.3	54.07	51.27	52.21	1.609	3.081
Tin	118	49.01	50.01	49.8	49.61	0.5276	1.064
Tin	120	49.21	50.84	49.38	49.81	0.8964	1.8
Uranium	238	54.88	57.81	55.73	56.14	1.509	2.688
Vanadium	51	114.8	115.9	114.2	115	0.8549	0.7437
Zinc	66	152.7	147.2	152.5	150.8	3.099	2.055
Zinc	67	150.6	149.7	147.8	149.3	1.412	0.9452
Zinc	68	148.8	145.5	147.3	147.2	1.633	1.109

Internal Standard Factors:

Lithium	6	0.903	1.058	1.077	0.903 n/a	n/a
Rhodium	103	1.282	1.431	1.448	1.282 n/a	n/a
Indium	115	1.206	1.358	1.356	1.206 n/a	n/a
Lutetium	175	1.209	1.378	1.342	1.209 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		CCV4			Mean	SD	%RSD
TimeStamp		6/8/10 14:12					
Antimony	121	25.14	24.7	25.7	25.18	0.5007	1.988
Antimony	123	26.09	25.57	25.36	25.67	0.3725	1.451
Arsenic	75	24.79	24.85	24.84	24.83	0.0292	0.1177
Barium	135	25.24	25.57	24.94	25.25	0.3154	1.249
Barium	137	24.92	24.54	25.15	24.87	0.3082	1.239
Barium	138	24.66	25.12	24.82	24.87	0.2314	0.9306
Beryllium	9	26.63	26.8	26.42	26.61	0.1907	0.7167
Boron	10	25.6	25.06	25.1	25.26	0.2992	1.185
Boron	11	24.31	24.83	24.33	24.49	0.2948	1.204
Cadmium	111	25.61	24.83	25.57	25.34	0.4376	1.727
Cadmium	114	24.71	24.55	25.05	24.77	0.2528	1.02
Chromium	52	24.59	24.61	24.43	24.54	0.097	0.3952
Chromium	53	25.21	24.66	24.48	24.78	0.3782	1.526
Cobalt	59	24.74	24.32	23.35	24.14	0.713	2.953
Copper	63	24.87	24.17	24.05	24.37	0.4445	1.824
Copper	65	24.88	24.42	24.29	24.53	0.3112	1.268
Lead	206	23.91	24.64	23.72	24.09	0.4879	2.026
Lead	207	24.33	24.37	23.56	24.09	0.4603	1.911
Lead	208	24.1	24.02	23.69	23.94	0.2192	0.9157
Molybdenum	95	25.47	24.6	24.86	24.98	0.4472	1.79
Molybdenum	97	25.86	25.63	23.72	25.07	1.174	4.685
Molybdenum	98	25.33	24.71	25.25	25.1	0.3358	1.338
Nickel	60	24.88	24.58	24.13	24.53	0.3798	1.548
Nickel	62	25.42	25.12	25.31	25.28	0.1554	0.6145
Selenium	77	25.44	23.96	23.45	24.28	1.036	4.267
Selenium	78	24.54	24.73	24.8	24.69	0.1346	0.5453
Selenium	82	25.03	24.35	24.33	24.57	0.401	1.632
Silver	107	25.35	25.14	24.81	25.1	0.2757	1.098
Silver	109	25.08	25.04	24.93	25.02	0.08	0.3196
Strontium	86	25.17	24.16	23.8	24.38	0.709	2.908
Strontium	88	25.04	24.19	24.32	24.52	0.4547	1.855
Thallium	203	23.93	24.26	23.74	23.98	0.2597	1.083
Thallium	205	23.66	23.9	24	23.85	0.174	0.7295
Tin	118	24.95	25.19	25.69	25.28	0.3749	1.483
Tin	120	24.98	25.93	26.54	25.82	0.7861	3.045
Uranium	238	23.27	24.8	23.51	23.86	0.8231	3.45
Vanadium	51	24.46	24.06	24.52	24.35	0.2487	1.021
Zinc	66	24.92	24.69	23.73	24.45	0.6332	2.59
Zinc	67	24.28	24.03	23.65	23.99	0.3201	1.334
Zinc	68	24.18	23.22	23.31	23.57	0.5321	2.257

**Internal Standard
Factors:**

Lithium	6	0.785	0.894	0.92	0.785 n/a	n/a
Rhodium	103	0.942	1.056	1.045	0.942 n/a	n/a
Indium	115	0.964	1.06	1.1	0.964 n/a	n/a
Lutetium	175	1.012	1.109	1.114	1.012 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		CCB4			Mean	SD	%RSD
TimeStamp		6/8/10 14:23					
Antimony	121	0.0041	0.0042	0.0036	0.004	0.0003	6.906
Antimony	123	0.0026	0.0038	0.0045	0.0036	0.001	26.59
Arsenic	75	0.0093	0.0128	0.0735	0.0319	0.0361	113.3
Barium	135	0.0134	0.0126	0.0078	0.0113	0.003	26.88
Barium	137	0.0091	0.0093	0.0104	0.0096	0.0007	6.866
Barium	138	0.0108	0.0127	0.0105	0.0113	0.0012	10.84
Beryllium	9	0.0096	0.0053	0.0056	0.0068	0.0024	35.6
Boron	10	0.1222	0.0761	0.084	0.0941	0.0247	26.24
Boron	11	0.1091	0.0933	0.0901	0.0975	0.0102	10.47
Cadmium	111	0.0065	0.0055	0.0057	0.0059	0.0005	9.141
Cadmium	114	0.0047	0.0071	0.0043	0.0054	0.0015	28.96
Chromium	52	0.0451	0.0306	0.0493	0.0417	0.0098	23.55
Chromium	53	0.0322	0.0121	0.0127	0.019	0.0114	60.05
Cobalt	59	0.0153	0.0206	0.019	0.0183	0.0027	14.99
Copper	63	-0.0679	-0.0603	-0.0609	-0.063	0.0042	6.639
Copper	65	0.0141	0.0094	0.0063	0.0099	0.004	39.88
Lead	206	0.0095	0.0117	0.0073	0.0095	0.0022	23.31
Lead	207	0.0089	0.0058	0.0078	0.0075	0.0016	20.86
Lead	208	0.0075	0.0079	0.0065	0.0073	0.0007	10.1
Molybdenum	95	0.0098	0.0069	0.0047	0.0071	0.0025	35.52
Molybdenum	97	0.0067	0.0081	0.0051	0.0067	0.0015	22.71
Molybdenum	98	0.0081	0.0061	0.0055	0.0066	0.0014	20.77
Nickel	60	0.0473	0.0179	0.0363	0.0339	0.0149	43.99
Nickel	62	0.0976	0.0802	0.1296	0.1025	0.0251	24.46
Selenium	77	-0.0434	-0.0148	-0.0621	-0.0401	0.0238	59.43
Selenium	78	0.153	0.0452	0.0762	0.0915	0.0555	60.7
Selenium	82	0.0111	0.0222	0.1657	0.0663	0.0862	130
Silver	107	0.0058	0.0029	0.0001	0.0029	0.0029	97.98
Silver	109	0.0062	0.0028	0.0021	0.0037	0.0022	59.86
Strontium	86	-0.0009	-0.0245	-0.0089	-0.0115	0.012	105.1
Strontium	88	0.0098	0.0084	0.008	0.0087	0.0009	10.8
Thallium	203	0.0049	0.0065	0.0045	0.0053	0.001	19.58
Thallium	205	0.006	0.0058	0.0055	0.0058	0.0003	4.938
Tin	118	0.0187	0.0138	0.0127	0.015	0.0032	21.14
Tin	120	0.0164	0.0172	0.0178	0.0171	0.0007	4.189
Uranium	238	0.0031	0.0038	0.003	0.0033	0.0004	13.32
Vanadium	51	0.0135	0.0191	0.0217	0.0181	0.0042	23.13
Zinc	66	-0.0378	-0.0505	-0.0502	-0.0462	0.0072	15.67
Zinc	67	-0.0756	-0.0215	-0.0419	-0.0464	0.0273	58.92
Zinc	68	-0.0422	-0.0519	-0.0583	-0.0508	0.0081	15.97

Internal Standard Factors:

Lithium	6	0.778	0.902	0.929	0.778 n/a	n/a
Rhodium	103	0.928	1.01	1.028	0.928 n/a	n/a
Indium	115	0.948	1.045	1.094	0.948 n/a	n/a
Lutetium	175	1.009	1.103	1.106	1.009 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005244-003 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 14:29					
Antimony	121	0.5101	0.5524	0.5245	0.529	0.0216	4.073
Antimony	123	0.535	0.5275	0.5289	0.5304	0.004	0.7503
Arsenic	75	0.8375	0.7686	0.782	0.796	0.0366	4.591
Barium	135	26.23	26.91	26.95	26.7	0.4005	1.5
Barium	137	26.69	27.5	26.56	26.92	0.5136	1.908
Barium	138	26.39	27.27	26.85	26.84	0.4405	1.641
Beryllium	9	0.5222	0.5038	0.5462	0.5241	0.0213	4.062
Boron	10	55.91	54.74	52.59	54.41	1.683	3.093
Boron	11	55.1	55.24	53.21	54.51	1.131	2.075
Cadmium	111	0.0222	0.0202	0.024	0.0222	0.0019	8.639
Cadmium	114	0.2365	0.2393	0.231	0.2356	0.0042	1.793
Chromium	52	84.34	85.9	84.11	84.78	0.9779	1.153
Chromium	53	82.21	81.34	84.46	82.67	1.612	1.95
Cobalt	59	0.9483	0.9345	0.9332	0.9387	0.0084	0.8942
Copper	63	473.6	480.4	474.9	476.3	3.613	0.7587
Copper	65	491.7	489.6	494.5	492	2.464	0.5008
Lead	206	4.695	4.867	4.825	4.796	0.0897	1.87
Lead	207	5.421	5.505	5.337	5.421	0.0839	1.547
Lead	208	5.047	5.166	5.118	5.11	0.0596	1.166
Molybdenum	95	1.569	1.389	1.201	1.386	0.184	13.27
Molybdenum	97	0.9119	0.957	0.9002	0.923	0.03	3.251
Molybdenum	98	0.7576	0.7399	0.8015	0.7664	0.0317	4.139
Nickel	60	7.789	7.965	7.941	7.898	0.0957	1.212
Nickel	62	11.18	11.33	11.08	11.2	0.1286	1.148
Selenium	77	0.483	0.6355	0.4027	0.507	0.1182	23.32
Selenium	78	3.118	2.42	2.022	2.52	0.5549	22.02
Selenium	82	0.214	0.1023	-0.0196	0.0989	0.1168	118.1
Silver	107	0.0323	0.0328	0.0349	0.0334	0.0014	4.229
Silver	109	0.0197	0.019	0.0148	0.0178	0.0027	15.01
Strontium	86	230.4	232.7	233	232	1.419	0.6118
Strontium	88	236.7	239.6	236.9	237.7	1.617	0.6801
Thallium	203	0.0306	0.0299	0.0326	0.0311	0.0014	4.539
Thallium	205	0.0287	0.0292	0.029	0.0289	0.0002	0.7925
Tin	118	7.786	7.968	7.771	7.842	0.1097	1.399
Tin	120	7.936	8.078	7.808	7.94	0.1352	1.702
Uranium	238	0.1481	0.1606	0.1539	0.1542	0.0063	4.081
Vanadium	51	55.02	56.75	55.36	55.71	0.916	1.644
Zinc	66	350.2	345.6	349.2	348.4	2.394	0.6874
Zinc	67	339.2	346.8	332	339.3	7.419	2.186
Zinc	68	343.4	340.3	337.7	340.4	2.842	0.8349

Internal Standard Factors:

Lithium	6	1.143	1.307	1.322	1.143 n/a	n/a
Rhodium	103	1.392	1.564	1.56	1.392 n/a	n/a
Indium	115	1.312	1.468	1.449	1.312 n/a	n/a
Lutetium	175	1.39	1.56	1.576	1.39 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005448-001 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 14:35					
Antimony	121	3.616	3.622	3.652	3.63	0.0193	0.5322
Antimony	123	3.738	3.765	3.63	3.711	0.0713	1.921
Arsenic	75	4.148	4.083	4.151	4.127	0.0386	0.9359
Barium	135	286.2	282.3	287.6	285.4	2.734	0.9579
Barium	137	308.1	305.1	313.6	308.9	4.337	1.404
Barium	138	307.8	314.6	299.3	307.3	7.65	2.49
Beryllium	9	0.1242	0.1103	0.1341	0.1229	0.0119	9.719
Boron	10	31.1	29.04	29.16	29.76	1.154	3.876
Boron	11	28.95	27.81	28.45	28.4	0.5744	2.022
Cadmium	111	1.796	1.786	1.858	1.813	0.0389	2.142
Cadmium	114	1.821	1.832	1.852	1.835	0.0157	0.8529
Chromium	52	15.39	14.65	15.01	15.02	0.3687	2.455
Chromium	53	14.22	13.99	14.52	14.24	0.2696	1.893
Cobalt	59	7.111	6.95	7.022	7.028	0.0806	1.146
Copper	63	595	583.3	579.7	586	8.006	1.366
Copper	65	608.6	598.1	608.8	605.2	6.145	1.015
Lead	206	25.23	24.24	23.27	24.25	0.9806	4.044
Lead	207	26.95	27.35	26.35	26.88	0.5046	1.877
Lead	208	26.14	26.12	25.17	25.81	0.5529	2.142
Molybdenum	95	13.97	13.21	13.43	13.54	0.3903	2.883
Molybdenum	97	13.53	13.81	13.95	13.76	0.2138	1.554
Molybdenum	98	14.19	13.8	13.7	13.89	0.257	1.85
Nickel	60	32.97	31.94	32.67	32.53	0.5283	1.624
Nickel	62	34.11	33.59	32.62	33.44	0.7559	2.26
Selenium	77	6.365	6.246	6.161	6.257	0.1024	1.636
Selenium	78	6.745	6.465	6.802	6.671	0.1801	2.7
Selenium	82	7.048	6.581	6.875	6.834	0.2362	3.456
Silver	107	6.905	6.996	6.723	6.875	0.1392	2.025
Silver	109	6.944	6.845	6.922	6.903	0.0522	0.7559
Strontium	86	125.1	125.1	123.3	124.5	1.028	0.8255
Strontium	88	130.5	130.4	133.2	131.4	1.58	1.203
Thallium	203	0.0879	0.0871	0.0828	0.0859	0.0027	3.186
Thallium	205	0.0885	0.0872	0.0887	0.0881	0.0008	0.9336
Tin	118	3.285	3.304	3.29	3.293	0.0098	0.2972
Tin	120	3.225	3.125	3.287	3.212	0.0818	2.546
Uranium	238	13.56	13.47	12.86	13.3	0.3793	2.853
Vanadium	51	24.66	23.97	24.12	24.25	0.3632	1.498
Zinc	66	866.3	849.2	847.3	854.3	10.47	1.226
Zinc	67	860.2	845.8	837.1	847.7	11.68	1.378
Zinc	68	859.6	836.1	825.6	840.4	17.43	2.074

Internal Standard Factors:

Lithium	6	0.902	1.014	1.068	0.902	n/a	n/a
Rhodium	103	1.066	1.212	1.242	1.066	n/a	n/a
Indium	115	1.062	1.188	1.25	1.062	n/a	n/a
Lutetium	175	1.159	1.287	1.27	1.159	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005448-001 1/5D			Mean	SD	%RSD
TimeStamp		6/8/10 14:40					
Antimony	121	3.718	3.863	3.835	3.805	0.0773	2.03
Antimony	123	3.817	3.784	3.706	3.769	0.0574	1.522
Arsenic	75	3.969	3.806	4.026	3.934	0.1143	2.906
Barium	135	291.6	291	289.3	290.6	1.181	0.4063
Barium	137	321.2	314.9	304.8	313.6	8.247	2.63
Barium	138	316.6	315.9	309.7	314.1	3.788	1.206
Beryllium	9	0.1107	0.1233	0.1197	0.1179	0.0065	5.484
Boron	10	30.41	29.45	29.43	29.76	0.5639	1.895
Boron	11	29.49	28.24	28.04	28.59	0.7844	2.744
Cadmium	111	1.819	1.805	1.758	1.794	0.0319	1.779
Cadmium	114	1.859	1.838	1.753	1.817	0.0565	3.108
Chromium	52	14.94	15.18	14.67	14.93	0.2572	1.723
Chromium	53	14.35	14.3	14.41	14.35	0.0546	0.3805
Cobalt	59	6.143	6.085	5.961	6.063	0.0925	1.526
Copper	63	577.7	585.4	580	581	3.949	0.6796
Copper	65	604.4	602.4	601.3	602.7	1.555	0.258
Lead	206	25.85	25.56	25.12	25.51	0.3686	1.445
Lead	207	29.5	29.19	28.34	29.01	0.6007	2.071
Lead	208	27.97	27.57	27.13	27.56	0.4209	1.527
Molybdenum	95	13.33	12.94	13.08	13.12	0.198	1.51
Molybdenum	97	13.71	13.76	13.21	13.56	0.3032	2.235
Molybdenum	98	13.72	14.15	13.46	13.78	0.3478	2.525
Nickel	60	31.42	31.27	30.07	30.92	0.739	2.39
Nickel	62	32.14	32.04	31.1	31.76	0.5749	1.81
Selenium	77	6.393	6.55	5.975	6.306	0.2971	4.712
Selenium	78	6.72	6.721	6.433	6.625	0.1664	2.511
Selenium	82	6.411	6.404	6.396	6.404	0.0074	0.1155
Silver	107	7.106	7.075	6.903	7.028	0.1094	1.557
Silver	109	7.108	6.985	6.884	6.993	0.1125	1.609
Strontium	86	126.6	124.6	122.8	124.7	1.917	1.537
Strontium	88	131.1	132.4	129.6	131	1.39	1.061
Thallium	203	0.0955	0.0921	0.0961	0.0946	0.0022	2.304
Thallium	205	0.0895	0.0914	0.0878	0.0896	0.0018	2.005
Tin	118	2.911	2.844	2.793	2.85	0.0591	2.073
Tin	120	2.921	2.904	2.776	2.867	0.0796	2.777
Uranium	238	14.18	14.05	13.63	13.95	0.2895	2.075
Vanadium	51	23.51	23.22	23.06	23.26	0.226	0.9714
Zinc	66	855.2	873.8	845	858	14.65	1.707
Zinc	67	853.5	829.2	833.8	838.8	12.87	1.534
Zinc	68	847.7	845.1	829.6	840.8	9.791	1.165

Internal Standard Factors:

Lithium	6	0.948	1.056	1.086	0.948 n/a	n/a
Rhodium	103	1.127	1.246	1.254	1.127 n/a	n/a
Indium	115	1.148	1.249	1.252	1.148 n/a	n/a
Lutetium	175	1.239	1.324	1.319	1.239 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1005448-001 1/25S			Mean	SD	%RSD
TimeStamp		6/8/10 14:47					
Antimony	121	38.46	37.96	37.55	37.99	0.4561	1.201
Antimony	123	39.63	38.57	38.88	39.03	0.5454	1.397
Arsenic	75	44.4	42.03	41.45	42.63	1.565	3.672
Barium	135	230.4	226.6	225.1	227.4	2.733	1.202
Barium	137	222.1	221.1	227.1	223.4	3.206	1.435
Barium	138	245.5	241	248.2	244.9	3.639	1.486
Beryllium	9	4.845	4.783	4.642	4.757	0.1038	2.183
Boron	10	47.97	46.96	46.02	46.98	0.9763	2.078
Boron	11	45.79	45.9	45.42	45.7	0.2541	0.556
Cadmium	111	4.748	4.751	4.718	4.739	0.0182	0.3833
Cadmium	114	4.657	4.609	4.762	4.676	0.078	1.667
Chromium	52	18.99	18.43	18.47	18.63	0.312	1.675
Chromium	53	19.12	18.2	18.47	18.59	0.4722	2.54
Cobalt	59	42.27	40.95	40.15	41.13	1.072	2.606
Copper	63	152.1	144	149.4	148.5	4.089	2.753
Copper	65	154.1	150.8	148.9	151.3	2.661	1.759
Lead	206	41.21	40.25	41.23	40.89	0.5607	1.371
Lead	207	48.24	49.69	49.01	48.98	0.724	1.478
Lead	208	47.18	46.46	47.44	47.02	0.5059	1.076
Molybdenum	95	44.67	43.1	43.23	43.67	0.8739	2.001
Molybdenum	97	45.17	42.44	41.98	43.2	1.722	3.987
Molybdenum	98	45.96	43.47	41.69	43.7	2.144	4.905
Nickel	60	47.95	45.31	44.56	45.94	1.784	3.882
Nickel	62	48.45	45.95	47.07	47.16	1.254	2.66
Selenium	77	45.35	43.79	43.49	44.21	1.001	2.264
Selenium	78	46.28	43.7	43.27	44.42	1.629	3.666
Selenium	82	45.15	43.14	42.76	43.68	1.284	2.939
Silver	107	5.851	5.557	5.529	5.646	0.1781	3.154
Silver	109	5.917	5.654	5.623	5.732	0.1618	2.822
Strontium	86	25.95	24.84	25.09	25.29	0.5822	2.302
Strontium	88	26.32	25.63	24.77	25.57	0.7789	3.046
Thallium	203	39.88	39.23	39.89	39.67	0.3755	0.9467
Thallium	205	42.68	42.19	43.89	42.92	0.877	2.044
Tin	118	0.4281	0.4069	0.4128	0.4159	0.0109	2.623
Tin	120	0.4943	0.4034	0.3778	0.4252	0.0612	14.39
Uranium	238	2.666	2.62	2.655	2.647	0.0239	0.9017
Vanadium	51	47.43	46.15	45.92	46.5	0.8091	1.74
Zinc	66	242.9	241.2	237	240.4	3.012	1.253
Zinc	67	245.9	229.3	233	236.1	8.742	3.703
Zinc	68	244.9	238.2	233.8	239	5.561	2.327

**Internal Standard
Factors:**

Lithium	6	0.865	0.988	1.014	0.865	n/a	n/a
Rhodium	103	1.049	1.15	1.168	1.049	n/a	n/a
Indium	115	1.073	1.172	1.201	1.073	n/a	n/a
Lutetium	175	1.065	1.17	1.222	1.065	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-08-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #203896

Sample Name:		K1005448-002 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 14:53					
Antimony	121	2.926	2.806	2.998	2.91	0.0967	3.324
Antimony	123	2.876	2.92	2.982	2.926	0.0535	1.829
Arsenic	75	3.439	3.131	3.193	3.254	0.1626	4.997
Barium	135	232.9	233.3	228.9	231.7	2.434	1.05
Barium	137	230.3	228	229.3	229.2	1.158	0.505
Barium	138	248.5	242.3	247.9	246.2	3.404	1.383
Beryllium	9	0.0898	0.0913	0.0926	0.0912	0.0014	1.534
Boron	10	25.3	23.98	23.46	24.24	0.9514	3.924
Boron	11	24.07	23.1	22.67	23.28	0.7144	3.069
Cadmium	111	1.488	1.437	1.434	1.453	0.0302	2.08
Cadmium	114	1.53	1.488	1.513	1.51	0.0215	1.421
Chromium	52	12.76	11.97	11.99	12.24	0.4515	3.688
Chromium	53	11.83	11.56	11.26	11.55	0.2877	2.491
Cobalt	59	4.854	4.627	4.734	4.738	0.1135	2.396
Copper	63	485.8	462.5	461.1	469.8	13.9	2.959
Copper	65	505.1	484.5	476.9	488.8	14.57	2.981
Lead	206	20.56	19.77	19.7	20.01	0.477	2.384
Lead	207	23.4	21.97	23.34	22.9	0.8092	3.534
Lead	208	22.2	21.2	21.65	21.68	0.4987	2.3
Molybdenum	95	12.72	12.53	12.11	12.45	0.3114	2.5
Molybdenum	97	12.9	12.53	12.35	12.59	0.2788	2.214
Molybdenum	98	13.25	12.78	12.25	12.76	0.5008	3.925
Nickel	60	26.85	25.54	24.87	25.76	1.009	3.917
Nickel	62	27.73	26.23	26.33	26.76	0.8383	3.132
Selenium	77	5.151	5.235	5.29	5.225	0.0697	1.335
Selenium	78	5.423	4.946	5.085	5.151	0.2451	4.758
Selenium	82	5.716	5.392	5.492	5.533	0.1659	2.998
Silver	107	7.369	6.9	6.827	7.032	0.2942	4.184
Silver	109	6.968	7.042	6.979	6.996	0.0399	0.5704
Strontium	86	104.4	96.89	99.08	100.1	3.889	3.884
Strontium	88	109.2	104.2	102.1	105.2	3.619	3.441
Thallium	203	0.0668	0.066	0.0642	0.0657	0.0013	1.97
Thallium	205	0.0665	0.0645	0.0652	0.0654	0.001	1.507
Tin	118	3.106	3.276	3.184	3.189	0.0849	2.663
Tin	120	3.283	3.25	3.329	3.287	0.0396	1.203
Uranium	238	11.8	11.57	11.37	11.58	0.2118	1.829
Vanadium	51	17.7	16.77	16.78	17.08	0.5339	3.125
Zinc	66	656.3	622.2	615.8	631.4	21.77	3.447
Zinc	67	641.1	581.7	593.9	605.6	31.36	5.178
Zinc	68	641.4	606.4	607.5	618.4	19.93	3.222

**Internal Standard
Factors:**

Lithium	6	0.915	1.033	1.072	0.915 n/a	n/a
Rhodium	103	1.136	1.273	1.291	1.136 n/a	n/a
Indium	115	1.13	1.28	1.307	1.13 n/a	n/a
Lutetium	175	1.143	1.259	1.319	1.143 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005658-MB 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 14:59					
Antimony	121	-0.0004	0.0043	0.0003	0.0014	0.0025	186.3
Antimony	123	0.0007	0.0061	0.0012	0.0026	0.003	112.3
Arsenic	75	0.0099	0.0135	0.0261	0.0165	0.0085	51.5
Barium	135	0.1244	0.1606	0.1095	0.1315	0.0263	20.02
Barium	137	0.1199	0.1421	0.1127	0.1249	0.0154	12.29
Barium	138	0.1231	0.1524	0.1186	0.1314	0.0184	13.99
Beryllium	9	0.0033	0.0023	0.0037	0.0031	0.0007	22.25
Boron	10	3.253	3.168	2.999	3.14	0.1297	4.129
Boron	11	3.146	3.014	3.067	3.076	0.0666	2.167
Cadmium	111	0.0014	0.0046	0.0023	0.0028	0.0017	59.75
Cadmium	114	0.001	0.0075	0.0034	0.004	0.0033	82.49
Chromium	52	0.1479	0.1591	0.2023	0.1698	0.0287	16.92
Chromium	53	0.1964	0.1727	0.1828	0.184	0.0119	6.453
Cobalt	59	0.0187	0.0192	0.0214	0.0198	0.0014	7.281
Copper	63	0.0382	0.0839	0.0288	0.0503	0.0295	58.58
Copper	65	0.0834	0.1352	0.0749	0.0978	0.0326	33.34
Lead	206	0.0177	0.0206	0.0151	0.0178	0.0028	15.62
Lead	207	0.0181	0.0205	0.0154	0.018	0.0026	14.19
Lead	208	0.0177	0.0219	0.019	0.0195	0.0021	10.88
Molybdenum	95	0.0111	0.0128	0.0121	0.012	0.0009	7.087
Molybdenum	97	0.0102	0.0171	0.0091	0.0121	0.0043	35.63
Molybdenum	98	0.0052	0.0158	0.0087	0.0099	0.0054	54.49
Nickel	60	0.0445	0.0561	0.0214	0.0407	0.0176	43.34
Nickel	62	0.2531	0.1893	0.3751	0.2725	0.0944	34.65
Selenium	77	0.054	0.0362	0.0573	0.0491	0.0114	23.15
Selenium	78	0.0975	0.0718	0.0886	0.086	0.0131	15.2
Selenium	82	0.0979	0.0638	0.1494	0.1037	0.0431	41.57
Silver	107	0.0169	0.0131	0.0105	0.0135	0.0032	23.65
Silver	109	0.0206	0.0105	0.0106	0.0139	0.0058	41.65
Strontium	86	0.0589	0.0826	0.0612	0.0675	0.0131	19.38
Strontium	88	0.0792	0.1156	0.0856	0.0935	0.0194	20.78
Thallium	203	0.0024	0.0061	0.0026	0.0037	0.0021	56.04
Thallium	205	0.002	0.0059	0.0024	0.0034	0.0022	63.24
Tin	118	0.0274	0.0261	0.0235	0.0256	0.002	7.759
Tin	120	0.024	0.0245	0.0179	0.0221	0.0037	16.63
Uranium	238	0.0015	0.0037	0.0014	0.0022	0.0013	58.92
Vanadium	51	0.001	0.0219	0.0263	0.0164	0.0135	82.67
Zinc	66	0.3899	0.4518	0.4317	0.4245	0.0316	7.446
Zinc	67	0.3515	0.4059	0.3278	0.3617	0.04	11.06
Zinc	68	0.3696	0.4443	0.377	0.397	0.0411	10.36

Internal Standard Factors:

Lithium	6	0.841	0.948	0.993	0.841 n/a	n/a
Rhodium	103	1.018	1.148	1.203	1.018 n/a	n/a
Indium	115	1.042	1.169	1.199	1.042 n/a	n/a
Lutetium	175	1.08	1.204	1.223	1.08 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		LCSW K1005658 1/25			Mean	SD	%RSD
TimeStamp		6/8/10 15:05					
Antimony	121	39.01	39.16	38.76	38.98	0.2	0.5132
Antimony	123	39.66	38.21	37.69	38.52	1.017	2.641
Arsenic	75	75.26	75.75	75.68	75.56	0.2676	0.3541
Barium	135	161.2	159.4	153.9	158.1	3.813	2.411
Barium	137	158.9	159.8	161.1	159.9	1.129	0.7057
Barium	138	175.9	172.5	166	171.4	5.007	2.92
Beryllium	9	4.321	4.268	4.319	4.303	0.0305	0.709
Boron	10	77.76	75.93	74.91	76.2	1.444	1.895
Boron	11	75.18	75.04	72.92	74.38	1.269	1.706
Cadmium	111	4.141	4.029	4.128	4.099	0.061	1.489
Cadmium	114	4.06	3.872	3.955	3.962	0.0943	2.38
Chromium	52	15.49	15.18	14.79	15.15	0.3494	2.306
Chromium	53	15.51	14.61	14.73	14.95	0.4876	3.262
Cobalt	59	36.99	36.45	36.54	36.66	0.2864	0.7814
Copper	63	18.89	18.21	18.07	18.39	0.4389	2.386
Copper	65	18.91	18.47	18.52	18.63	0.2429	1.303
Lead	206	34.73	35.39	33.71	34.61	0.8435	2.437
Lead	207	42.76	42.78	41.53	42.36	0.7149	1.688
Lead	208	40.98	39.23	37.8	39.34	1.588	4.038
Molybdenum	95	74.63	71.62	74.29	73.51	1.649	2.243
Molybdenum	97	75.65	73.87	69.85	73.12	2.969	4.06
Molybdenum	98	75.07	73.97	76.44	75.16	1.236	1.645
Nickel	60	37.39	36.93	36.44	36.92	0.4756	1.288
Nickel	62	37.94	37.76	37.61	37.77	0.1629	0.4312
Selenium	77	76.96	75.07	75.36	75.8	1.019	1.345
Selenium	78	79.75	75.89	76.92	77.52	1.998	2.578
Selenium	82	76.91	75.25	77.91	76.69	1.343	1.751
Silver	107	3.953	3.846	3.794	3.864	0.0808	2.091
Silver	109	3.847	3.833	3.867	3.849	0.0171	0.4435
Strontium	86	-0.0114	-0.0152	0.0012	-0.0085	0.0086	100.8
Strontium	88	0.0073	0.0074	0.0065	0.0071	0.0005	6.783
Thallium	203	80.46	81.28	81.64	81.12	0.6053	0.7462
Thallium	205	81.04	83.15	81.55	81.91	1.103	1.346
Tin	118	0.0034	0.0016	0.0026	0.0025	0.0009	36.13
Tin	120	0.004	0.0017	0.0058	0.0038	0.002	53.57
Uranium	238	-0.0002	-0.0002	0.0005	0	0.0004	1529
Vanadium	51	37.55	37.72	37.16	37.48	0.2843	0.7585
Zinc	66	38.73	39.83	37.93	38.83	0.9552	2.46
Zinc	67	43.11	41.95	41.08	42.05	1.021	2.428
Zinc	68	40.82	40.56	39.91	40.43	0.4682	1.158

Internal Standard Factors:

Lithium	6	0.869	0.979	0.981	0.869 n/a	n/a
Rhodium	103	1.019	1.127	1.144	1.019 n/a	n/a
Indium	115	1.068	1.151	1.17	1.068 n/a	n/a
Lutetium	175	1.079	1.202	1.192	1.079 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005658-002 1/5			Mean	SD	%RSD
TimeStamp		6/8/10 15:14					
Antimony	121	0.0034	0.0008	0.0042	0.0028	0.0018	62.93
Antimony	123	0.0041	0.0017	0.0043	0.0034	0.0015	43.39
Arsenic	75	0.0809	0.0381	0.0239	0.0476	0.0297	62.23
Barium	135	0.038	0.0382	0.0395	0.0386	0.0009	2.219
Barium	137	0.0236	0.0269	0.0408	0.0304	0.0091	29.97
Barium	138	0.0271	0.0255	0.0383	0.0303	0.007	23
Beryllium	9	0.002	0.0052	0.0049	0.004	0.0018	44.39
Boron	10	1.532	1.508	1.455	1.498	0.0395	2.635
Boron	11	1.488	1.417	1.414	1.44	0.042	2.92
Cadmium	111	0.0057	0.0055	0.0035	0.0049	0.0012	24.38
Cadmium	114	0.1839	0.1827	0.1838	0.1835	0.0007	0.3619
Chromium	52	1.203	1.135	1.147	1.162	0.0358	3.083
Chromium	53	0.4256	0.4528	0.3832	0.4206	0.0351	8.348
Cobalt	59	0.0178	0.0211	0.0252	0.0214	0.0037	17.24
Copper	63	0.8456	0.7485	0.8257	0.8066	0.0513	6.357
Copper	65	0.8664	0.8728	0.8261	0.8551	0.0253	2.963
Lead	206	0.0391	0.0427	0.041	0.0409	0.0018	4.312
Lead	207	0.0422	0.0286	0.0396	0.0368	0.0072	19.64
Lead	208	0.0397	0.0358	0.0397	0.0384	0.0022	5.815
Molybdenum	95	0.0306	0.034	0.0358	0.0335	0.0027	8.012
Molybdenum	97	0.0305	0.0361	0.0451	0.0372	0.0074	19.77
Molybdenum	98	0.0309	0.0317	0.0356	0.0327	0.0025	7.643
Nickel	60	0.3068	0.2936	0.2922	0.2975	0.0081	2.708
Nickel	62	0.4156	0.4837	0.4717	0.457	0.0364	7.957
Selenium	77	-0.044	0.0017	0.0059	-0.0121	0.0276	227.7
Selenium	78	0.0712	-0.127	-0.0221	-0.026	0.0992	382.2
Selenium	82	0.2009	0.1213	0.0816	0.1346	0.0607	45.12
Silver	107	0.0032	0.005	0.005	0.0044	0.0011	24.03
Silver	109	0.0048	0.0056	0.0046	0.005	0.0006	11.09
Strontium	86	-0.0294	-0.0223	-0.0217	-0.0245	0.0042	17.33
Strontium	88	0.015	0.0169	0.0146	0.0155	0.0012	7.798
Thallium	203	0.0393	0.0306	0.051	0.0403	0.0102	25.37
Thallium	205	0.0411	0.0304	0.0516	0.041	0.0106	25.87
Tin	118	6.573	6.377	6.622	6.524	0.1295	1.985
Tin	120	6.721	6.662	6.718	6.7	0.0329	0.4915
Uranium	238	-0.0008	-0.0003	-0.0007	-0.0006	0.0003	40.55
Vanadium	51	0.3057	0.2695	0.3031	0.2928	0.0202	6.901
Zinc	66	0.2642	0.273	0.258	0.2651	0.0075	2.844
Zinc	67	0.3344	0.2721	0.2622	0.2896	0.0391	13.51
Zinc	68	0.3266	0.3116	0.2805	0.3062	0.0235	7.674

Internal Standard Factors:

Lithium	6	0.83	0.943	0.959	0.83 n/a	n/a
Rhodium	103	1.038	1.165	1.217	1.038 n/a	n/a
Indium	115	1.078	1.196	1.232	1.078 n/a	n/a
Lutetium	175	1.12	1.212	1.251	1.12 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005658-002 1/5D			Mean	SD	%RSD
TimeStamp		6/8/10 15:19					
Antimony	121	0.0018	0.0026	0.0017	0.002	0.0005	26.39
Antimony	123	0.0023	0.0015	0.001	0.0016	0.0007	41.56
Arsenic	75	0.0366	0.031	-0.0319	0.0119	0.038	319.6
Barium	135	0.0398	0.0493	0.039	0.0427	0.0057	13.4
Barium	137	0.039	0.045	0.0382	0.0407	0.0037	9.114
Barium	138	0.037	0.0384	0.0419	0.0391	0.0025	6.472
Beryllium	9	0.0042	0.0024	0.006	0.0042	0.0018	42.84
Boron	10	1.233	0.971	0.9213	1.042	0.1673	16.06
Boron	11	1.001	0.9173	0.9183	0.9454	0.0478	5.061
Cadmium	111	0.0006	0.0008	0.0017	0.0011	0.0006	52.96
Cadmium	114	0.2153	0.2086	0.2121	0.212	0.0034	1.59
Chromium	52	1.297	1.237	1.201	1.245	0.0484	3.886
Chromium	53	0.4641	0.4534	0.4283	0.4486	0.0184	4.103
Cobalt	59	0.0194	0.0181	0.0195	0.019	0.0008	4.234
Copper	63	0.9627	0.9181	0.9404	0.9404	0.0223	2.376
Copper	65	1.02	1.014	0.9871	1.007	0.0176	1.751
Lead	206	0.0344	0.0268	0.0288	0.03	0.0039	13.17
Lead	207	0.0337	0.0378	0.0299	0.0338	0.0039	11.65
Lead	208	0.033	0.0372	0.0309	0.0337	0.0032	9.516
Molybdenum	95	0.0196	0.0193	0.0193	0.0194	0.0002	0.9038
Molybdenum	97	0.0181	0.0236	0.0165	0.0194	0.0037	19.2
Molybdenum	98	0.0202	0.0186	0.0197	0.0195	0.0008	4.152
Nickel	60	0.3328	0.2927	0.2804	0.3019	0.0274	9.067
Nickel	62	0.3779	0.4786	0.5467	0.4677	0.0849	18.16
Selenium	77	0.0326	-0.038	0.0467	0.0138	0.0454	329.1
Selenium	78	0.0079	-0.1779	-0.0035	-0.0578	0.1041	180.1
Selenium	82	0.1321	0.0681	-0.0579	0.0474	0.0967	203.8
Silver	107	0.0007	-0.0034	-0.0019	-0.0016	0.0021	131.3
Silver	109	-0.0001	-0.0005	0.0005	0	0.0005	1686
Strontium	86	0.0104	-0.0034	0.0144	0.0071	0.0093	131.4
Strontium	88	0.0381	0.0345	0.0335	0.0354	0.0025	6.957
Thallium	203	0.0068	0.0076	0.0069	0.0071	0.0004	6.143
Thallium	205	0.0067	0.0066	0.0056	0.0063	0.0006	9.548
Tin	118	7.392	7.228	7.327	7.316	0.0822	1.124
Tin	120	7.638	7.13	7.47	7.413	0.259	3.494
Uranium	238	-0.0006	-0.0009	0.0001	-0.0005	0.0005	114.3
Vanadium	51	0.3222	0.3023	0.299	0.3079	0.0126	4.08
Zinc	66	0.3663	0.3463	0.3455	0.3527	0.0118	3.342
Zinc	67	0.3676	0.39	0.3592	0.3722	0.0159	4.282
Zinc	68	0.3954	0.3624	0.3642	0.374	0.0185	4.954

Internal Standard Factors:

Lithium	6	0.885	0.956	0.968	0.885 n/a	n/a
Rhodium	103	1.09	1.157	1.195	1.09 n/a	n/a
Indium	115	1.118	1.19	1.249	1.118 n/a	n/a
Lutetium	175	1.175	1.248	1.26	1.175 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		K1005658-002 1/25L			Mean	SD	%RSD
TimeStamp		6/8/10 15:24					
Antimony	121	-0.0008	-0.0004	0	-0.0004	0.0004	92.18
Antimony	123	0.002	0.0003	0.0004	0.0009	0.001	105.3
Arsenic	75	0.0294	0.0848	0.078	0.0641	0.0303	47.22
Barium	135	0.0554	0.0455	0.0638	0.0549	0.0092	16.68
Barium	137	0.0589	0.0674	0.0671	0.0645	0.0048	7.478
Barium	138	0.0588	0.0584	0.0689	0.062	0.0059	9.589
Beryllium	9	0.0031	0.0053	0.002	0.0034	0.0017	49.46
Boron	10	0.561	0.4718	0.4418	0.4915	0.062	12.61
Boron	11	0.4846	0.4572	0.4802	0.474	0.0147	3.096
Cadmium	111	-0.0001	0.0011	0.0008	0.0006	0.0006	106.1
Cadmium	114	0.0396	0.0372	0.0443	0.0403	0.0036	8.974
Chromium	52	0.2751	0.2884	0.2641	0.2759	0.0122	4.405
Chromium	53	0.1349	0.1108	0.0992	0.115	0.0182	15.82
Cobalt	59	0.0211	0.0176	0.0225	0.0204	0.0025	12.48
Copper	63	0.1323	0.1373	0.1535	0.141	0.0111	7.858
Copper	65	0.2081	0.2133	0.1959	0.2058	0.0089	4.331
Lead	206	0.0213	0.0264	0.0246	0.0241	0.0026	10.75
Lead	207	0.0215	0.0272	0.025	0.0246	0.0029	11.64
Lead	208	0.0213	0.0247	0.0232	0.0231	0.0017	7.503
Molybdenum	95	0.0107	0.0092	0.0107	0.0102	0.0008	8.266
Molybdenum	97	0.0114	0.0104	0.0105	0.0108	0.0005	5.028
Molybdenum	98	0.0106	0.0088	0.0064	0.0086	0.0021	24.14
Nickel	60	0.0888	0.0756	0.0683	0.0776	0.0104	13.46
Nickel	62	0.3151	0.2666	0.1886	0.2568	0.0638	24.85
Selenium	77	-0.0844	-0.0897	-0.0389	-0.071	0.0279	39.34
Selenium	78	-0.084	0.0235	-0.0587	-0.0397	0.0562	141.4
Selenium	82	0.0067	0.1913	0.2041	0.134	0.1105	82.4
Silver	107	-0.0065	-0.0066	-0.0063	-0.0064	0.0001	2.273
Silver	109	-0.0051	-0.0064	-0.0064	-0.006	0.0008	12.67
Strontium	86	0.0154	-0.0111	-0.028	-0.0079	0.0218	275.8
Strontium	88	0.0152	0.0109	0.0117	0.0126	0.0023	18.09
Thallium	203	0.0064	0.0072	0.0044	0.006	0.0014	24.21
Thallium	205	0.0069	0.0045	0.0046	0.0053	0.0013	25.18
Tin	118	1.456	1.407	1.384	1.416	0.0369	2.609
Tin	120	1.386	1.381	1.411	1.393	0.0162	1.166
Uranium	238	-0.0007	-0.0002	0	-0.0003	0.0004	121
Vanadium	51	0.072	0.0814	0.0765	0.0766	0.0047	6.094
Zinc	66	0.1277	0.1123	0.1195	0.1198	0.0077	6.405
Zinc	67	0.1948	0.1038	0.1878	0.1622	0.0506	31.22
Zinc	68	0.1327	0.1196	0.1603	0.1375	0.0208	15.13

Internal Standard Factors:

Lithium	6	0.861	0.953	0.968	0.861 n/a	n/a
Rhodium	103	1.044	1.124	1.127	1.044 n/a	n/a
Indium	115	1.073	1.167	1.163	1.073 n/a	n/a
Lutetium	175	1.073	1.186	1.192	1.073 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:		CCV5			Mean	SD	%RSD
TimeStamp		6/8/10 15:29					
Antimony	121	23.34	24.63	24.52	24.16	0.712	2.947
Antimony	123	24.64	25.51	24.75	24.97	0.4762	1.907
Arsenic	75	24.32	23.82	23.1	23.75	0.6122	2.578
Barium	135	24.23	25.18	25.09	24.83	0.5281	2.127
Barium	137	23.96	23.9	24.03	23.96	0.0667	0.2784
Barium	138	23.97	24.21	23.96	24.05	0.143	0.5947
Beryllium	9	27.21	25.96	26.26	26.48	0.6539	2.47
Boron	10	24.23	24.28	24.11	24.21	0.0873	0.3606
Boron	11	23.68	23.33	24.39	23.8	0.5432	2.283
Cadmium	111	23.85	25.22	24.11	24.39	0.727	2.981
Cadmium	114	24.23	24.44	24.54	24.4	0.158	0.6477
Chromium	52	24.63	25.09	24.58	24.77	0.2823	1.14
Chromium	53	24.73	23.8	24.12	24.22	0.4722	1.95
Cobalt	59	23.99	23.78	24.11	23.96	0.1649	0.6884
Copper	63	23.36	23.9	23.44	23.57	0.2916	1.237
Copper	65	24.36	23.9	23.43	23.89	0.4633	1.939
Lead	206	24.75	24.31	24.26	24.44	0.2703	1.106
Lead	207	24.89	23.57	24.38	24.28	0.6694	2.757
Lead	208	24.6	23.61	24.65	24.28	0.5872	2.418
Molybdenum	95	24.4	24.86	23.69	24.32	0.5853	2.407
Molybdenum	97	25.05	25.22	24.34	24.87	0.465	1.87
Molybdenum	98	24.62	25.67	23.87	24.72	0.9045	3.659
Nickel	60	24.51	23.5	23.22	23.74	0.6754	2.845
Nickel	62	24.39	24.21	23.9	24.17	0.2483	1.028
Selenium	77	24.44	24.33	23.85	24.21	0.3164	1.307
Selenium	78	24.67	24.6	22.99	24.09	0.9484	3.937
Selenium	82	24.23	24.41	23.53	24.06	0.4671	1.942
Silver	107	24.02	24.74	24.16	24.31	0.3789	1.559
Silver	109	24.63	24.36	23.99	24.33	0.3169	1.303
Strontium	86	24.49	24.74	23.4	24.21	0.7131	2.946
Strontium	88	24.03	24.71	23.96	24.23	0.4139	1.708
Thallium	203	24.92	23.91	24.85	24.56	0.5675	2.311
Thallium	205	24.53	23.77	24.51	24.27	0.4345	1.79
Tin	118	23.98	24.42	24.69	24.36	0.3591	1.474
Tin	120	23.99	24.57	25.09	24.55	0.5505	2.242
Uranium	238	26.46	26.56	25.49	26.17	0.5942	2.271
Vanadium	51	23.9	25.01	24.86	24.59	0.6035	2.454
Zinc	66	24.17	23.82	23.46	23.82	0.357	1.499
Zinc	67	23.63	23.93	23.25	23.6	0.3439	1.457
Zinc	68	23.16	23.39	23.17	23.24	0.1321	0.5686

Internal Standard Factors:

Lithium	6	0.872	0.957	1	0.872 n/a	n/a
Rhodium	103	1.028	1.16	1.138	1.028 n/a	n/a
Indium	115	1.008	1.158	1.164	1.008 n/a	n/a
Lutetium	175	1.094	1.16	1.227	1.094 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-08-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #203896

Sample Name:	CCB5	Mean	SD	%RSD			
TimeStamp	6/8/10 15:39						
Antimony	121	-0.0018	-0.0004	-0.0005	-0.0009	0.0008	85.68
Antimony	123	-0.0004	-0.0014	0.0001	-0.0006	0.0008	139
Arsenic	75	0.0695	0.0002	0.0206	0.0301	0.0356	118.4
Barium	135	0.0039	0.005	0.0027	0.0038	0.0012	30.25
Barium	137	0.0072	0.0034	0.0019	0.0042	0.0028	66.31
Barium	138	0.0075	0.0037	0.0059	0.0057	0.0019	33.5
Beryllium	9	0.0028	0.0069	0.0015	0.0037	0.0028	74.48
Boron	10	0.0466	0.0249	0.0187	0.03	0.0147	48.78
Boron	11	0.0404	0.0366	0.0256	0.0342	0.0077	22.49
Cadmium	111	0.002	0.0031	0.0001	0.0017	0.0015	87.45
Cadmium	114	0.0023	0.0017	0.0012	0.0017	0.0005	31.13
Chromium	52	-0.0243	-0.0339	-0.0177	-0.0253	0.0082	32.22
Chromium	53	0.0204	0.0165	0.0002	0.0124	0.0107	86.78
Cobalt	59	0.0144	0.0172	0.0202	0.0173	0.0029	16.83
Copper	63	-0.0521	-0.0161	-0.0451	-0.0378	0.0191	50.48
Copper	65	0.0068	0.0084	0.0153	0.0101	0.0045	44.76
Lead	206	0.0042	0.0033	0.0039	0.0038	0.0005	12.43
Lead	207	0.0054	0.0034	0.0021	0.0036	0.0017	45.73
Lead	208	0.0039	0.0033	0.0033	0.0035	0.0004	10.72
Molybdenum	95	0.0084	0.004	0.0031	0.0052	0.0029	55.2
Molybdenum	97	0.0044	0.0025	0.008	0.005	0.0028	55.56
Molybdenum	98	0.0044	0.0012	0.0034	0.003	0.0016	54.15
Nickel	60	0.0241	0.0116	0.0121	0.0159	0.0071	44.47
Nickel	62	0.2449	0.2025	0.3352	0.2609	0.0678	25.99
Selenium	77	-0.0977	-0.1029	-0.0345	-0.0784	0.0381	48.6
Selenium	78	0.2414	0.0963	0.0475	0.1284	0.1008	78.53
Selenium	82	0.1429	-0.0817	0.0474	0.0362	0.1127	311.6
Silver	107	0.0017	-0.0006	-0.0004	0.0002	0.0013	606.5
Silver	109	0.0031	0.0016	0.0011	0.002	0.001	53.73
Strontium	86	-0.0101	0.0162	0.0142	0.0068	0.0147	216.3
Strontium	88	0.0106	0.0078	0.0092	0.0092	0.0014	14.79
Thallium	203	0.0028	0.0018	0.0033	0.0026	0.0008	28.93
Thallium	205	0.0024	0.0019	0.0025	0.0023	0.0003	13.43
Tin	118	0.0146	0.0112	0.0111	0.0123	0.002	16.44
Tin	120	0.0221	0.0138	0.0114	0.0158	0.0056	35.77
Uranium	238	-0.0003	-0.0005	0.0007	0	0.0006	2938
Vanadium	51	-0.0081	-0.0102	0.0032	-0.005	0.0072	143.6
Zinc	66	-0.0763	-0.0639	-0.0592	-0.0665	0.0088	13.28
Zinc	67	-0.0752	-0.0395	-0.0964	-0.0704	0.0288	40.9
Zinc	68	-0.0575	-0.0707	-0.0478	-0.0587	0.0115	19.54

Internal Standard
 Factors:

Lithium	6	0.831	0.962	0.98	0.831	n/a	n/a
Rhodium	103	0.999	1.136	1.185	0.999	n/a	n/a
Indium	115	1.043	1.14	1.175	1.043	n/a	n/a
Lutetium	175	1.055	1.192	1.219	1.055	n/a	n/a

Service Request # K1005244 (HCL) _____
 Calibration _____ 061010D _____
 QC in calibration _____ 061010D _____
 QC Service Request K1005509 _____
 STARLIMS Batch # 204315 _____

ICP-MS Data Review Form

	Yes	No	NA
1. Appropriate standardization completed	<u>X</u>	_____	_____
2. ICV within 10 % of true value	<u>X</u>	_____	_____
3. CCV's in control	<u>X</u>	_____	_____
4. CCB's and/or ICB's below MRL	<u>X</u>	_____	_____
5. Method blank below MRL	<u>X</u>	_____	_____
6. LCS in control	<u>X</u>	_____	_____
7. Spike and duplicate in control	<u>X</u>	_____	_____
8. All analytes within instrument linear range	<u>X</u>	_____	_____
9. Adequate rinse out time allowed	<u>X</u>	_____	_____
10. Internal standards in control	<u>X</u>	_____	_____
11. Interferences checked	<u>X</u>	_____	_____
12. Se over MRL	_____	_____	<u>X</u>
13. CRA run	<u>X</u>	_____	_____
14. ICSA and ICSAB in control	<u>X</u>	_____	_____
15. Serial dilution run	<u>X</u>	_____	_____
16. Post spike in control	<u>X</u>	_____	_____

Comments: Report Ag-109.

Primary Review by B
 Secondary Review by JBB

Date 6/11/10
 Date 6/11/10

R:\icp\misc\data review forms\PQ ExCell review form

Sample List

Num	Label	Type	Weight	Volume	Dilution	Rack	Row	Column	Height
1	Cal. Blk	Blank	0 kg	0 ml	1.00	0	1	1	145
2	Cal. Stn	Fully Quant Standard	0 kg	0 ml	1.00	0	1	2	145
3	ICV1	Unknown	0 kg	0 ml	1.00	0	1	3	145
4	CCV1	Unknown	0 kg	0 ml	1.00	0	1	2	145
5	ICB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
6	CCB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
7	SOIL CRA	Unknown	0 kg	0 ml	1.00	0	1	4	145
8	ICSA	Unknown	0 kg	0 ml	1.00	0	1	5	145
9	ICSAB	Unknown	0 kg	0 ml	1.00	0	1	6	145
10	HCl Lot#201011001 1/5	Unknown	0 kg	0 ml	1.00	2	2	5	145
11	K1005268-MB 1/5	Unknown	0 kg	0 ml	1.00	1	1	1	145
12	K1005237-021 1/5	Unknown	0 kg	0 ml	1.00	1	1	3	145
13	K1005237-021 1/5D	Unknown	0 kg	0 ml	1.00	1	1	4	145
14	K1005237-021 1/25S	Unknown	0 kg	0 ml	1.00	1	1	5	145
15	LCSW K1005268 1/100	Unknown	0 kg	0 ml	1.00	1	1	2	145
16	K1005268-001 1/5	Unknown	0 kg	0 ml	1.00	1	1	6	145
17	K1005268-002 1/5	Unknown	0 kg	0 ml	1.00	1	1	9	145
18	K1005268-003 1/5	Unknown	0 kg	0 ml	1.00	1	1	10	145
19	CCV2	Unknown	0 kg	0 ml	1.00	0	1	2	145
20	CCB2	Unknown	0 kg	0 ml	1.00	0	1	1	145
21	K1005268-004 1/5	Unknown	0 kg	0 ml	1.00	1	1	11	145
22	K1005268-004 1/25L	Unknown	0 kg	0 ml	1.00	1	1	7	145
23	K1005268-004 1/5	Unknown	0 kg	0 ml	1.00	1	1	8	145
24	^{+10/50A} K1005268-005 1/5	Unknown	0 kg	0 ml	1.00	1	1	12	145
25	K1005268-006 1/5	Unknown	0 kg	0 ml	1.00	1	2	1	145
26	K1005268-007 1/5	Unknown	0 kg	0 ml	1.00	1	2	2	145
27	K1005268-008 1/5	Unknown	0 kg	0 ml	1.00	1	2	3	145
28	K1005268-009 1/5	Unknown	0 kg	0 ml	1.00	1	2	4	145
29	K1005268-010 1/5	Unknown	0 kg	0 ml	1.00	1	2	5	145
30	CCV3	Unknown	0 kg	0 ml	1.00	0	1	2	145
31	CCB3	Unknown	0 kg	0 ml	1.00	0	1	1	145
32	K1005509-MB 1/5	Unknown	0 kg	0 ml	1.00	1	2	6	145
33	LCSS K1005509	Unknown	0 kg	0 ml	1.00	1	2	7	145
34	K1005509-002 1/5	Unknown	0 kg	0 ml	1.00	1	2	8	145
35	K1005509-002 1/5D	Unknown	0 kg	0 ml	1.00	1	2	9	145
36	K1005509-002 1/25L	Unknown	0 kg	0 ml	1.00	1	2	10	145
37	K1005509-002 1/5	Unknown	0 kg	0 ml	1.00	1	2	11	145
38	^{+10/50A} K1005509-002 1/25S	Unknown	0 kg	0 ml	1.00	1	2	12	145
39	K1005244-003 1/5	Unknown	0 kg	0 ml	1.00	1	3	1	145
40	K1005448-001 1/5	Unknown	0 kg	0 ml	1.00	1	3	2	145
41	CCV4	Unknown	0 kg	0 ml	1.00	0	1	2	145
42	CCB4	Unknown	0 kg	0 ml	1.00	0	1	1	145
43	K1005448-002 1/5	Unknown	0 kg	0 ml	1.00	1	3	3	145
44	K1005448-002 1/5D	Unknown	0 kg	0 ml	1.00	1	3	4	145
45	K1005448-002 1/25S	Unknown	0 kg	0 ml	1.00	1	3	5	145
46	K1005120-MB 1/5	Unknown	0 kg	0 ml	1.00	1	3	6	145
47	LCSW K1005120 1/25	Unknown	0 kg	0 ml	1.00	1	3	7	145
48	K1005120-001 1/5	Unknown	0 kg	0 ml	1.00	1	3	8	145

49	K1005120-001 1/5D	Unknown	0 kg	0 ml	1.00	1	3	9	145
50	K1005120-001 1/25S	Unknown	0 kg	0 ml	1.00	1	3	10	145
51	K1005558-008 1/5	Unknown	0 kg	0 ml	1.00	1	3	11	145
52	CCV5	Unknown	0 kg	0 ml	1.00	0	1	2	145
53	CCB5	Unknown	0 kg	0 ml	1.00	0	1	1	145
54	K1005889-MB 1/5	Unknown	0 kg	0 ml	1.00	1	3	12	145
55	LCSS K1005889 1/100	Unknown	0 kg	0 ml	1.00	1	4	1	145
56	K1005889-001 1/5	Unknown	0 kg	0 ml	1.00	1	4	2	145
57	K1005889-001 1/5D	Unknown	0 kg	0 ml	1.00	1	4	3	145
58	K1005889-001 1/25L	Unknown	0 kg	0 ml	1.00	1	4	4	145
59	K1005889-001 1/5	Unknown	0 kg	0 ml	1.00	1	4	5	145
60	^{10/50A} K1005889-001 1/25S	Unknown	0 kg	0 ml	1.00	1	4	6	145
61	K1005889-002 1/5	Unknown	0 kg	0 ml	1.00	1	4	7	145
62	K1005889-003 1/5	Unknown	0 kg	0 ml	1.00	1	4	8	145
63	K1005889-004 1/5	Unknown	0 kg	0 ml	1.00	1	4	9	145
64	CCV6	Unknown	0 kg	0 ml	1.00	0	1	2	145
65	CCB6	Unknown	0 kg	0 ml	1.00	0	1	1	145
66	K1005889-005 1/5	Unknown	0 kg	0 ml	1.00	1	4	10	145
67	K1005889-006 1/5	Unknown	0 kg	0 ml	1.00	1	4	11	145
68	K1005889-007 1/5	Unknown	0 kg	0 ml	1.00	1	4	12	145
69	K1005889-008 1/5	Unknown	0 kg	0 ml	1.00	1	5	1	145
70	K1005889-009 1/5	Unknown	0 kg	0 ml	1.00	1	5	2	145
71	K1005889-010 1/5	Unknown	0 kg	0 ml	1.00	1	5	3	145
72	K1005889-011 1/5	Unknown	0 kg	0 ml	1.00	1	5	4	145
73	K1005889-012 1/5	Unknown	0 kg	0 ml	1.00	1	5	5	145
74	K1005889-013 1/5	Unknown	0 kg	0 ml	1.00	1	5	6	145
75	K1005889-014 1/5	Unknown	0 kg	0 ml	1.00	1	5	7	145
76	CCV7	Unknown	0 kg	0 ml	1.00	0	1	2	145
77	CCB7	Unknown	0 kg	0 ml	1.00	0	1	1	145
78	K1005889-015 1/5	Unknown	0 kg	0 ml	1.00	1	5	8	145
79	K1005889-016 1/5	Unknown	0 kg	0 ml	1.00	1	5	9	145
80	K1004637-MB 1/5	Unknown	0 kg	0 ml	1.00	1	5	10	145
81	LCSW K1004637 1/100	Unknown	0 kg	0 ml	1.00	1	5	11	145
82	K1004637-035 1/5	Unknown	0 kg	0 ml	1.00	1	5	12	145
83	K1004637-035 1/5D	Unknown	0 kg	0 ml	1.00	2	1	1	145
84	K1004637-035 1/25L	Unknown	0 kg	0 ml	1.00	2	1	2	145
85	K1004637-035 1/5	Unknown	0 kg	0 ml	1.00	2	1	3	145
86	^{10/50A} K1004637-035 1/25S	Unknown	0 kg	0 ml	1.00	2	1	4	145
87	CCV8	Unknown	0 kg	0 ml	1.00	0	1	2	145
88	CCB8	Unknown	0 kg	0 ml	1.00	0	1	1	145
89	K1004637-024 1/5	Unknown	0 kg	0 ml	1.00	2	1	5	145
90	K1004637-025 1/5	Unknown	0 kg	0 ml	1.00	2	1	6	145
91	K1004637-028 1/5	Unknown	0 kg	0 ml	1.00	2	1	7	145
92	K1004637-033 1/5	Unknown	0 kg	0 ml	1.00	2	1	8	145
93	K1004637-034 1/5	Unknown	0 kg	0 ml	1.00	2	1	9	145
94	K1004637-MB 1/5	Unknown	0 kg	0 ml	1.00	2	1	10	145
95	LCSW K1004637 1/100	Unknown	0 kg	0 ml	1.00	2	1	11	145
96	CCV9	Unknown	0 kg	0 ml	1.00	0	1	2	145
97	CCB9	Unknown	0 kg	0 ml	1.00	0	1	1	145
98	K1004637-028 1/5	Unknown	0 kg	0 ml	1.00	2	1	12	145
99	K1004637-028 1/5D	Unknown	0 kg	0 ml	1.00	2	2	1	145

100	K1004637-028 1/25L	Unknown	0 kg	0 ml	1.00	2	2	2	145
101	K1004637-028 1/5	Unknown	0 kg	0 ml	1.00	2	2	3	145
102	^{10/50A} K1004637-028 1/25S	Unknown	0 kg	0 ml	1.00	2	2	4	145
103	CCV10	Unknown	0 kg	0 ml	1.00	0	1	2	145
104	CCB10	Unknown	0 kg	0 ml	1.00	0	1	1	145

Instrument Setup - Sample Configuration

Sample	Configuration	Date
All Samples	acqmet11	8:25:57 6/10/10

Instrument Setup - Configurations

Configuration Name - acqmet11
 Description - PQExcell CCT Sim Default
 Date - 8:25:57 6/10/10
 Maximum Uptake Time - 0
 Maximum Washout Time - 0
 S-Option Pump Running - No
 Plasma Screen Forward - No
 Makeup Gas On - No
 Use CCT - No
 Use Accessory Gas - No

Setting	Value
Extraction	-450.00
Lens1	5.00
Lens2	-60.00
Lens3	-25.00
Pole Bias	5.00
Sampling Depth	400.00
Horizontal	0.00
Vertical	95.00
Cool	13.00
Auxiliary	0.80
Nebuliser	0.80
Forward power	1,365.00
HT1 Voltage	1,900.00
HT2 Voltage	2,600.00
D1	-40.00
Focus	8.00

Mass	Mass DAC	Peak Width (AMU)	Error (AMU)	Include	Masses in Tune Solution
6.015	1302	0.715	0.018	TRUE	
7.016	1549	0.715	-0.012	TRUE	Li-7
9.012	2056	0.715	-0.016	TRUE	Be-9
23.985	5877	0.715	0.025	TRUE	Mg-24
24.986	6130	0.664	0.018	TRUE	Co-59
25.983	6384	0.715	0.019	TRUE	In-115
26.982	6631	0.715	-0.009	TRUE	Ce-140
45.953	11461	0.715	-0.006	TRUE	Pb-208
51.94	12988	0.766	0.004	TRUE	Bi-209
53.949	13495	0.766	-0.013	TRUE	U-238
55.935	14002	0.766	-0.008	TRUE	
56.935	14262	0.766	0.013	TRUE	
58.933	14763	0.715	-0.017	TRUE	
63.929	16030	0.766	-0.036	TRUE	
112.904	28507	0.714	-0.024	TRUE	
114.904	29014	0.714	-0.033	TRUE	
128.905	32595	0.663	0.021	TRUE	
130.905	33102	0.663	0.01	TRUE	
131.905	33362	0.663	0.031	TRUE	
139.905	35397	0.612	0.016	TRUE	
141.908	35910	0.663	0.026	TRUE	
155.923	39472	0.663	-0.012	TRUE	
203.973	51718	0.561	-0.028	TRUE	
205.974	52238	0.561	0.01	TRUE	
206.976	52492	0.612	0.004	TRUE	
207.977	52745	0.561	-0.004	TRUE	
208.98	53005	0.561	0.011	TRUE	
238.051	60415	0.561	-0.007	TRUE	

Excluded in Calib	Excluded in Results	Cal	Run	Acq	Multi Element	Setup	Chart	Internal Standard	Standard Addition
Uncorrected ICPS Per Mass									
Run	Label	TimeStamp	59Co	7Li	9Be	59Co	115In	208Pb	
1	Stability 06-10-2010	6/10/2010 8:36:04 A	(P)0.500	(P)12966.717	(P)2884.791	(P)21453.266	(P)59078.928	(P)31526.755	
2	Stability 06-10-2010	6/10/2010 8:37:19 A	(P)0.500	(P)13492.703	(P)2959.807	(P)22398.882	(P)61300.255	(P)32316.692	
3	Stability 06-10-2010	6/10/2010 8:38:34 A	(P)0.000	(P)13625.829	(P)3036.323	(P)23439.049	(P)63160.018	(P)33210.896	
4	Stability 06-10-2010	6/10/2010 8:39:49 A	(P)0.000	(P)13869.396	(P)3037.990	(P)24021.849	(P)63919.897	(P)33545.675	
5	Stability 06-10-2010	6/10/2010 8:41:04 A	(P)0.333	(P)13907.600	(P)3136.678	(P)23943.718	(P)62637.381	(P)32603.998	
	Mean of Stability 06-10	6/10/2010 8:36:04 A	(P)0.267	(P)13572.449	(P)3011.118	(P)23051.352	(P)62019.296	(P)32640.803	
	SD of Stability 06-10-20		(P)0.253	(P)379.679	(P)94.491	(P)1103.187	(P)1901.206	(P)789.193	
	%RSD of Stability 06		(P)94.786	(P)2.797	(P)3.138	(P)4.786	(P)3.066	(P)2.418	

Run	Label	TimeStamp	209Bi	238U	
1	Stability 06-10-2010	6/10/2010 8:36:04 A	(P)50266.286	(P)0.000	(P)58538.526
2	Stability 06-10-2010	6/10/2010 8:37:19 A	(P)51102.424	(P)0.000	(P)59341.497
3	Stability 06-10-2010	6/10/2010 8:38:34 A	(P)52547.644	(P)0.333	(P)61000.126
4	Stability 06-10-2010	6/10/2010 8:39:49 A	(P)53363.822	(P)0.333	(P)62475.816
5	Stability 06-10-2010	6/10/2010 8:41:04 A	(P)51532.617	(P)0.000	(P)60614.489
	Mean of Stability 06-10	6/10/2010 8:36:04 A	(P)51762.559	(P)0.133	(P)60394.091
	SD of Stability 06-10-20		(P)1215.307	(P)0.183	(P)1524.837
	%RSD of Stability 06		(P)2.348	(P)136.931	(P)2.525

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		Cal. Blk			Mean	SD	%RSD
TimeStamp		6/10/10 16:26					
Antimony	121	-0.0031	0.0025	0.0007	0	0.0029	0
Antimony	123	-0.0041	0.0009	0.0032	0	0.0037	0
Silver	107	0.0006	0.0006	-0.0011	0	0.001	0
Silver	109	0.0001	-0.0003	0.0002	0	0.0003	0

**Internal Standard
 Factors:**

Rhodium	103	1.012	0.989	0.999	1.012	n/a	n/a
Indium	115	1.006	0.996	0.997	1.006	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		Cal. Stn			Mean	SD	%RSD
TimeStamp		6/10/10 16:29					
Antimony	121	25.17	25.09	24.73	25	0.2341	0.9363
Antimony	123	25.22	24.87	24.9	25	0.1949	0.7794
Silver	107	24.87	24.99	25.15	25	0.1415	0.5662
Silver	109	25.28	24.84	24.88	25	0.2432	0.9729

**Internal Standard
 Factors:**

Rhodium	103	0.992	0.993	1.006	0.992	n/a	n/a
Indium	115	0.996	0.983	0.978	0.996	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		ICV1			Mean	SD	%RSD
TimeStamp		6/10/10 16:31					
Antimony	121	24.77	24.56	24.45	24.59	0.1607	0.6535
Antimony	123	24.93	24.5	24.39	24.61	0.2869	1.166
Silver	107	13.23	13.14	13.13	13.17	0.0545	0.4139
Silver	109	13.18	13.08	13.2	13.15	0.0646	0.4908

**Internal Standard
 Factors:**

Rhodium	103	1.008	1.002	1.016	1.008	n/a	n/a
Indium	115	1.003	0.987	0.987	1.003	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		CCV1			Mean	SD	%RSD
TimeStamp		6/10/10 16:33					
Antimony	121	25.42	25.16	25.18	25.25	0.1481	0.5864
Antimony	123	25.57	25.07	25.16	25.27	0.2641	1.045
Silver	107	25.13	24.87	24.83	24.94	0.1623	0.6509
Silver	109	25.53	25.07	25.09	25.23	0.2584	1.024

**Internal Standard
 Factors:**

Rhodium	103	1.03	1.009	1.019	1.03	n/a	n/a
Indium	115	1.008	0.997	1.001	1.008	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:	ICB1	Mean	SD	%RSD
TimeStamp	6/10/10 16:39			
Antimony 121	0.023	0.0162	0.0114	0.0169 0.0058 34.46
Antimony 123	0.0201	0.0091	0.0174	0.0155 0.0057 36.61
Silver 107	0.0119	0.0107	0.0098	0.0108 0.001 9.621
Silver 109	0.0098	0.0097	0.0098	0.0097 0 0.3261

Internal Standard
 Factors:

Rhodium 103	1.021	1.013	1.011	1.021 n/a n/a
Indium 115	0.997	0.988	0.997	0.997 n/a n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		CCB1			Mean	SD	%RSD
TimeStamp		6/10/10 16:41					
Antimony	121	0.0048	0.0076	0.0042	0.0055	0.0018	32.74
Antimony	123	0.0011	0.0081	0.008	0.0057	0.004	70.37
Silver	107	0.0056	0.006	0.0046	0.0054	0.0007	13.25
Silver	109	0.006	0.0053	0.0049	0.0054	0.0006	10.69

**Internal Standard
 Factors:**

Rhodium	103	1.012	0.998	1.016	1.012	n/a	n/a
Indium	115	1.009	0.992	0.999	1.009	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		SOIL CRA			Mean	SD	%RSD
TimeStamp		6/10/10 16:43					
Antimony	121	0.1113	0.1117	0.1133	0.1121	0.0011	0.9653
Antimony	123	0.1209	0.1008	0.0991	0.107	0.0121	11.35
Silver	107	0.0485	0.0443	0.0484	0.0471	0.0024	5.08
Silver	109	0.0442	0.0447	0.0446	0.0445	0.0002	0.553

Internal Standard
 Factors:

Rhodium	103	1.023	0.994	1.015	1.023	n/a	n/a
Indium	115	1.01	0.993	0.992	1.01	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		ICSA			Mean	SD	%RSD
TimeStamp		6/10/10 16:46					
Antimony	121	0.0899	0.0961	0.0874	0.0911	0.0044	4.875
Antimony	123	0.0867	0.0867	0.0967	0.09	0.0058	6.435
Silver	107	0.054	0.0533	0.0484	0.0519	0.003	5.837
Silver	109	0.0512	0.0534	0.0531	0.0525	0.0012	2.278

**Internal Standard
 Factors:**

Rhodium	103	1.174	1.164	1.169	1.174 n/a	n/a
Indium	115	1.123	1.107	1.101	1.123 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:	ICSAB				Mean	SD	%RSD
TimeStamp	6/10/10 16:48						
Antimony	121	0.0972	0.0909	0.0941	0.0941	0.0032	3.368
Antimony	123	0.0836	0.0948	0.0897	0.0894	0.0056	6.26
Silver	107	13.06	13.01	12.92	13	0.0679	0.5223
Silver	109	12.82	13.11	12.99	12.97	0.1459	1.124

**Internal Standard
 Factors:**

Rhodium	103	1.169	1.152	1.145	1.169 n/a	n/a
Indium	115	1.085	1.081	1.078	1.085 n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 06-10-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #204315

Sample Name:		HCl Lot#201011001 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 16:52					
Antimony	121	0.0091	-0.0014	0.0075	0.0051	0.0057	112.1
Antimony	123	0.0048	-0.0004	0.0089	0.0044	0.0047	105.6
Silver	107	0.0096	0.0135	0.012	0.0117	0.002	17.06
Silver	109	0.0089	0.014	0.0111	0.0113	0.0025	22.14

**Internal Standard
Factors:**

Rhodium	103	1.024	1.02	1.02	1.024	n/a	n/a
Indium	115	1.015	1.004	1.007	1.015	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005268-MB 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 16:55					
Antimony	121	-0.0265	-0.0325	-0.0343	-0.0311	0.0041	13.25
Antimony	123	-0.0241	-0.0338	-0.0326	-0.0301	0.0053	17.54
Silver	107	0.021	0.0187	0.0201	0.0199	0.0012	5.877
Silver	109	0.021	0.0209	0.0212	0.021	0.0002	0.827

Internal Standard
 Factors:

Rhodium	103	1.007	0.99	1	1.007	n/a	n/a
Indium	115	0.989	0.976	0.976	0.989	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005237-021 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 16:58					
Antimony	121	0.2573	0.2728	0.2726	0.2676	0.0089	3.331
Antimony	123	0.2563	0.2608	0.2491	0.2554	0.0059	2.318
Silver	107	0.1276	0.1291	0.1287	0.1285	0.0008	0.5892
Silver	109	0.0717	0.0743	0.077	0.0743	0.0027	3.567

Internal Standard
 Factors:

Rhodium	103	1.042	1.057	1.041	1.042	n/a	n/a
Indium	115	0.998	1.004	1.002	0.998	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005237-021 1/5D			Mean	SD	%RSD
TimeStamp		6/10/10 17:01					
Antimony	121	0.2014	0.2051	0.2117	0.206	0.0052	2.536
Antimony	123	0.2098	0.2103	0.1903	0.2034	0.0114	5.615
Silver	107	0.1237	0.128	0.1284	0.1267	0.0026	2.084
Silver	109	0.0804	0.0787	0.0783	0.0791	0.0011	1.395

**Internal Standard
 Factors:**

Rhodium	103	1.017	1.039	1.035	1.017	n/a	n/a
Indium	115	0.991	0.998	1.003	0.991	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-10-10D

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #204315

Sample Name:		K1005237-021 1/25S			Mean	SD	%RSD
TimeStamp		6/10/10 17:04					
Antimony	121	13.18	12.87	13.23	13.09	0.1989	1.519
Antimony	123	13	12.91	13.14	13.02	0.1131	0.8693
Silver	107	4.127	4.116	4.225	4.156	0.0601	1.445
Silver	109	4.051	4.1	4.243	4.131	0.0996	2.412

Internal Standard

Factors:

Rhodium	103	0.952	0.956	0.966	0.952	n/a	n/a
Indium	115	0.946	0.931	0.948	0.946	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-10-10D

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #204315

Sample Name:		LCSW K1005268 1/100			Mean	SD	%RSD
TimeStamp		6/10/10 17:08					
Antimony	121	8.255	8.197	8.12	8.19	0.068	0.8306
Antimony	123	8.243	8.285	8.04	8.189	0.1309	1.598
Silver	107	7.896	7.945	7.765	7.869	0.0931	1.183
Silver	109	7.95	7.95	7.794	7.898	0.0902	1.143

Internal Standard

Factors:

Rhodium	103	0.923	0.908	0.899	0.923	n/a	n/a
Indium	115	0.905	0.9	0.893	0.905	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005268-001 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 17:13					
Antimony	121	1.118	1.102	1.09	1.103	0.0138	1.253
Antimony	123	1.083	1.086	1.09	1.086	0.0031	0.2874
Silver	107	0.3428	0.3347	0.3346	0.3374	0.0047	1.393
Silver	109	0.3066	0.3088	0.314	0.3098	0.0038	1.22

**Internal Standard
 Factors:**

Rhodium	103	1.046	1.049	1.057	1.046	n/a	n/a
Indium	115	1.022	1.011	1.018	1.022	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005268-002 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 17:16					
Antimony	121	0.2011	0.1896	0.1966	0.1957	0.0058	2.959
Antimony	123	0.1944	0.2109	0.1841	0.1965	0.0135	6.892
Silver	107	0.1202	0.1152	0.1174	0.1176	0.0025	2.124
Silver	109	0.1035	0.1084	0.1079	0.1066	0.0027	2.523

Internal Standard
 Factors:

Rhodium	103	1.093	1.103	1.091	1.093	n/a	n/a
Indium	115	1.062	1.078	1.061	1.062	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005268-003 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 17:19					
Antimony	121	0.8142	0.825	0.7996	0.8129	0.0128	1.568
Antimony	123	0.8107	0.8357	0.8271	0.8245	0.0127	1.543
Silver	107	0.3611	0.3529	0.3438	0.3526	0.0086	2.453
Silver	109	0.3171	0.3374	0.3431	0.3326	0.0137	4.106

**Internal Standard
 Factors:**

Rhodium	103	1.139	1.149	1.165	1.139	n/a	n/a
Indium	115	1.098	1.105	1.109	1.098	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:	CCV2				Mean	SD	%RSD
TimeStamp	6/10/10 17:22						
Antimony	121	25.05	25.32	25.2	25.19	0.1341	0.5325
Antimony	123	25.06	25.13	25.17	25.12	0.054	0.215
Silver	107	24.17	24.72	25.11	24.67	0.4733	1.919
Silver	109	24.94	25.02	24.77	24.91	0.1317	0.5288

**Internal Standard
 Factors:**

Rhodium	103	1.014	1.014	1.015	1.014	n/a	n/a
Indium	115	1.003	1.009	1.007	1.003	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		CCB2			Mean	SD	%RSD
TimeStamp		6/10/10 17:26					
Antimony	121	-0.0062	-0.016	-0.0176	-0.0133	0.0062	46.72
Antimony	123	-0.015	-0.0132	-0.0164	-0.0148	0.0016	10.96
Silver	107	0.0051	0.0057	0.0042	0.005	0.0007	14.67
Silver	109	0.007	0.0046	0.0036	0.0051	0.0017	34.07

**Internal Standard
 Factors:**

Rhodium	103	1.009	1.006	1.004	1.009 n/a	n/a
Indium	115	1.027	0.991	0.995	1.027 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005268-004 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 17:28					
Antimony	121	0.6113	0.5903	0.6203	0.6073	0.0154	2.543
Antimony	123	0.6154	0.595	0.6061	0.6055	0.0102	1.689
Silver	107	0.785	0.7843	0.76	0.7764	0.0142	1.83
Silver	109	0.7744	0.7615	0.7451	0.7604	0.0147	1.932

**Internal Standard
 Factors:**

Rhodium	103	1.109	1.114	1.11	1.109	n/a	n/a
Indium	115	1.078	1.075	1.083	1.078	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005268-004 1/25L			Mean	SD	%RSD
TimeStamp		6/10/10 17:32					
Antimony	121	0.095	0.0983	0.0897	0.0943	0.0043	4.576
Antimony	123	0.1063	0.1016	0.078	0.0953	0.0152	15.9
Silver	107	0.1894	0.1899	0.1978	0.1923	0.0047	2.467
Silver	109	0.1866	0.1942	0.1883	0.1897	0.004	2.091

**Internal Standard
 Factors:**

Rhodium	103	1.013	1.019	1.023	1.013	n/a	n/a
Indium	115	1.006	0.999	0.989	1.006	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-10-10D

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #204315

Sample Name:		K1005268-004 1/5 +10/50A			Mean	SD	%RSD
TimeStamp		6/10/10 17:35					
Antimony	121	50.57	50.12	51.01	50.57	0.4435	0.8771
Antimony	123	50.4	50.1	51.69	50.73	0.8464	1.668
Silver	107	10.98	10.79	10.78	10.85	0.1131	1.042
Silver	109	10.79	10.66	10.72	10.72	0.0662	0.6175

internal Standard

Factors:

Rhodium	103	1.155	1.151	1.166	1.155	n/a	n/a
Indium	115	1.075	1.083	1.096	1.075	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 06-10-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #204315

Sample Name:		K1005268-005 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 17:38					
Antimony	121	0.168	0.1739	0.1673	0.1697	0.0036	2.124
Antimony	123	0.1746	0.168	0.1694	0.1707	0.0035	2.029
Silver	107	0.0666	0.0651	0.0624	0.0647	0.0021	3.278
Silver	109	0.0593	0.056	0.0574	0.0576	0.0017	2.895

**Internal Standard
Factors:**

Rhodium	103	1.048	1.044	1.039	1.048	n/a	n/a
Indium	115	1.032	1.026	1.018	1.032	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-10-10D

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #204315

Sample Name:		K1005268-006 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 17:41					
Antimony	121	0.2191	0.1983	0.2046	0.2073	0.0107	5.16
Antimony	123	0.2204	0.2012	0.2208	0.2141	0.0112	5.229
Silver	107	0.0614	0.0641	0.0619	0.0625	0.0014	2.267
Silver	109	0.0543	0.056	0.0522	0.0542	0.0019	3.537

Internal Standard

Factors:

Rhodium	103	1.032	1.041	1.023	1.032	n/a	n/a
Indium	115	1.046	1.021	1.026	1.046	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005268-007 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 17:44					
Antimony	121	0.295	0.2816	0.2735	0.2833	0.0109	3.83
Antimony	123	0.2777	0.2902	0.2855	0.2844	0.0063	2.223
Silver	107	0.1021	0.1012	0.0994	0.1009	0.0014	1.413
Silver	109	0.0903	0.0901	0.0927	0.091	0.0015	1.624

Internal Standard
 Factors:

Rhodium	103	1.058	1.056	1.06	1.058 n/a	n/a
Indium	115	1.034	1.03	1.028	1.034 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005268-008 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 17:47					
Antimony	121	0.1218	0.1066	0.1043	0.1109	0.0095	8.567
Antimony	123	0.1038	0.108	0.1078	0.1065	0.0024	2.209
Silver	107	0.0531	0.0546	0.0547	0.0542	0.0009	1.628
Silver	109	0.0497	0.0475	0.0517	0.0496	0.0021	4.276

Internal Standard
 Factors:

Rhodium	103	1.051	1.052	1.049	1.051	n/a	n/a
Indium	115	1.031	1.031	1.033	1.031	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005268-009 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 17:50					
Antimony	121	0.0901	0.09	0.0984	0.0928	0.0048	5.206
Antimony	123	0.0942	0.0791	0.0907	0.088	0.0079	8.984
Silver	107	0.0264	0.0271	0.0297	0.0277	0.0017	6.158
Silver	109	0.019	0.0186	0.0219	0.0198	0.0018	9.012

**Internal Standard
 Factors:**

Rhodium	103	0.984	0.991	1.006	0.984	n/a	n/a
Indium	115	0.979	0.987	0.996	0.979	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005268-010 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 17:53					
Antimony	121	0.0839	0.0877	0.0835	0.085	0.0023	2.701
Antimony	123	0.0868	0.0826	0.0739	0.0811	0.0065	8.076
Silver	107	0.0365	0.0374	0.0377	0.0372	0.0006	1.684
Silver	109	0.0309	0.0314	0.0263	0.0295	0.0028	9.414

Internal Standard
 Factors:

Rhodium	103	1.017	1.008	1.01	1.017	n/a	n/a
Indium	115	0.999	1.007	0.993	0.999	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		CCV3			Mean	SD	%RSD
TimeStamp		6/10/10 17:56					
Antimony	121	25.49	25.19	25.16	25.28	0.1842	0.7288
Antimony	123	25.41	24.88	24.8	25.03	0.3326	1.329
Silver	107	24.76	25.14	25.13	25.01	0.2184	0.8732
Silver	109	24.86	25.16	25.05	25.02	0.1531	0.6119

**Internal Standard
 Factors:**

Rhodium	103	0.985	0.99	0.986	0.985	n/a	n/a
Indium	115	0.986	0.978	0.978	0.986	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		CCB3			Mean	SD	%RSD
TimeStamp		6/10/10 18:00					
Antimony	121	-0.0238	-0.0228	-0.0205	-0.0224	0.0017	7.577
Antimony	123	-0.0224	-0.0258	-0.0217	-0.0233	0.0022	9.436
Silver	107	0.0051	0.004	0.0054	0.0048	0.0007	14.65
Silver	109	0.0055	0.0056	0.0039	0.005	0.0009	18.91

Internal Standard

Factors:

Rhodium	103	1.005	1.018	1.002	1.005	n/a	n/a
Indium	115	1.01	0.993	0.99	1.01	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005509-MB 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 18:02					
Antimony	121	-0.0141	-0.0126	-0.0141	-0.0136	0.0009	6.285
Antimony	123	-0.0127	-0.0104	-0.0169	-0.0133	0.0033	24.74
Silver	107	0.008	0.0076	0.0066	0.0074	0.0007	9.673
Silver	109	0.0088	0.0063	0.0072	0.0074	0.0013	17.62

Internal Standard
 Factors:

Rhodium	103	1.022	1.026	1.003	1.022	n/a	n/a
Indium	115	1.012	1.013	1.009	1.012	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-10-10D

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #204315

Sample Name:		LCSS K1005509			Mean	SD	%RSD
TimeStamp		6/10/10 18:04					
Antimony	121	8.399	8.407	8.476	8.427	0.0428	0.5072
Antimony	123	8.448	8.31	8.45	8.403	0.0802	0.9544
Silver	107	8.107	7.952	8.072	8.043	0.0814	1.011
Silver	109	8.17	8.074	8.11	8.118	0.0485	0.5972

Internal Standard

Factors:

Rhodium	103	0.948	0.935	0.937	0.948	n/a	n/a
Indium	115	0.937	0.923	0.944	0.937	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005509-002 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 18:08					
Antimony	121	0.0862	0.0868	0.0935	0.0888	0.004	4.537
Antimony	123	0.0851	0.0882	0.0826	0.0853	0.0028	3.332
Silver	107	0.2067	0.1991	0.2023	0.2027	0.0038	1.885
Silver	109	0.1939	0.1894	0.1863	0.1899	0.0038	2

Internal Standard

Factors:

Rhodium	103	1.069	1.071	1.068	1.069	n/a	n/a
Indium	115	1.026	1.029	1.039	1.026	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005509-002 1/5D			Mean	SD	%RSD
TimeStamp		6/10/10 18:11					
Antimony	121	0.0758	0.0756	0.0711	0.0742	0.0026	3.57
Antimony	123	0.0706	0.0783	0.0602	0.0697	0.0091	13
Silver	107	0.1873	0.1933	0.1957	0.1921	0.0043	2.251
Silver	109	0.1804	0.1882	0.1842	0.1843	0.0039	2.115

Internal Standard
 Factors:

Rhodium:	103	1.085	1.1	1.099	1.085 n/a	n/a
Indium:	115	1.04	1.055	1.052	1.04 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005509-002 1/25L			Mean	SD	%RSD
TimeStamp		6/10/10 18:15					
Antimony	121	-0.0423	-0.0412	-0.0424	-0.0419	0.0007	1.573
Antimony	123	-0.0447	-0.0445	-0.0458	-0.045	0.0007	1.49
Silver	107	0.0387	0.0389	0.0375	0.0384	0.0008	1.987
Silver	109	0.0356	0.0399	0.0375	0.0377	0.0021	5.612

Internal Standard
 Factors:

Rhodium	103	0.975	0.988	0.979	0.975	n/a	n/a
Indium	115	0.956	0.964	0.963	0.956	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005509-002 1/5 +10/50A			Mean	SD	%RSD
TimeStamp		6/10/10 18:18					
Antimony	121	49.84	49.79	49.31	49.64	0.2901	0.5843
Antimony	123	49.85	49.87	49.32	49.68	0.3138	0.6316
Silver	107	9.996	10.01	9.961	9.988	0.0236	0.2366
Silver	109	10.01	9.895	10.01	9.971	0.0659	0.6608

**Internal Standard
 Factors:**

Rhodium	103	1.091	1.088	1.1	1.091	n/a	n/a
Indium	115	1.032	1.026	1.034	1.032	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-10-10D

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #204315

Sample Name:		K1005509-002 1/25S			Mean	SD	%RSD
TimeStamp		6/10/10 18:21					
Antimony	121	12.94	12.54	12.73	12.74	0.204	1.601
Antimony	123	12.85	12.59	12.59	12.68	0.1513	1.194
Silver	107	4.17	4.094	4.081	4.115	0.048	1.165
Silver	109	4.192	4.085	4.082	4.12	0.0629	1.527

Internal Standard

Factors:

Rhodium	103	1.005	0.986	0.986	1.005	n/a	n/a
Indium	115	1.004	0.978	0.99	1.004	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-10-10D

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #204315

Sample Name:		K1005244-003 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 18:25					
Antimony	121	0.874	0.8509	0.883	0.8693	0.0166	1.903
Antimony	123	0.8562	0.8589	0.8714	0.8622	0.0081	0.9412
Silver	107	0.0391	0.0361	0.0409	0.0387	0.0024	6.272
Silver	109	0.03	0.0301	0.029	0.0297	0.0006	2.128

**Internal Standard
Factors:**

Rhodium	103	1.386	1.391	1.403	1.386 n/a	n/a
Indium	115	1.3	1.307	1.312	1.3 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		K1005448-001 1/5			Mean	SD	%RSD
TimeStamp		6/10/10 18:28					
Antimony	121	4.031	4.026	4.085	4.047	0.0325	0.8031
Antimony	123	3.973	4.016	4.015	4.001	0.0241	0.603
Silver	107	8.011	7.928	8.079	8.006	0.0754	0.9411
Silver	109	7.988	7.906	7.998	7.964	0.0503	0.631

**Internal Standard
 Factors:**

Rhodium	103	1.112	1.095	1.113	1.112	n/a	n/a
Indium	115	1.034	1.042	1.052	1.034	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 06-10-10D

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #204315

Sample Name:		CCV4			Mean	SD	%RSD
TimeStamp		6/10/10 18:31					
Antimony	121	25.4	25.32	25.38	25.37	0.0437	0.1721
Antimony	123	25.26	25.34	24.99	25.2	0.1814	0.7198
Silver	107	24.86	24.93	24.78	24.86	0.0731	0.2942
Silver	109	25.12	24.98	24.83	24.97	0.1443	0.578

Internal Standard

Factors:

Rhodium	103	1.028	1.03	1.036	1.028	n/a	n/a
Indium	115	1.016	1.023	1.016	1.016	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 06-10-10D
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #204315

Sample Name:		CCB4			Mean	SD	%RSD
TimeStamp		6/10/10 18:35					
Antimony	121	-0.0244	-0.0182	-0.0229	-0.0218	0.0032	14.8
Antimony	123	-0.0271	-0.0277	-0.0281	-0.0276	0.0005	1.874
Silver	107	0.0078	0.005	0.006	0.0062	0.0014	22.43
Silver	109	0.0069	0.006	0.0069	0.0066	0.0005	7.573

**Internal Standard
 Factors:**

Rhodium	103	1.054	1.027	1.044	1.054 n/a	n/a
Indium	115	1.035	1.009	1.021	1.035 n/a	n/a

Service Request # K1005244 (1,2, 4)
 Instrument ID# K-ICP-AES-02

ICP-OES Data Review Form

	Yes	No
1. Standardization completed	<u>✓</u>	_____
2. ICV within 10 % of true value	<u>✓</u>	_____
3. ICB below MRL	<u>✓</u>	_____
4. CRI standard analyzed.	<u>✓</u>	_____
5. ICS standards within 20% of true value	<u>✓</u>	_____
6. All preceding CCVs within 10 % of true value	<u>✓</u>	_____
7. Following CCV within 10 % of true value	<u>✓</u>	_____
8. Bracketing CCBs below MRL	<u>✓</u>	_____
9. Method Blank below MRL	<u>✓</u>	_____
10. MS-MSD or Dup-MS and LCS within CAS control limits	<u>✓</u>	_____
11. All analytes within instrument linear range	<u>✓</u>	_____
12. Adequate rinse out time allowed between samples to eliminate memory effect	<u>✓</u>	_____

Comments:

File Name: 061710BICP02

Star Lims: 205168

Don't report 200.7

Primary Review by BC Date 6/18/10

Secondary Review by mmr Date 6/18/10

Method: 2010A

Sample Name: Blank

Operator:

Comment:

Run Time: 06/17/10 13:32 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335
Line	237.312 {141}	206.833 {162}	189.042 {177}	233.527 {144}
Avg	.1533	.0345	.0380	-.00011
Stddev	.0371	.0215	.0107	.00009
%RSD	24.21	62.22	28.29	81.038

#1	.1271	.0497	.0304	-.00017
#2	.1796	.0193	.0456	-.00005

Elem	Be3130	B_2497	Cd2265	Ca2112
Line	313.042 {107}	249.773 {134}	226.502 {148}	211.276 {159}
Avg	-.00222	.4040	.0003	.3860
Stddev	.00004	.0029	.0001	.0185
%RSD	1.7280	.7297	29.44	4.802

#1	-.00219	.4019	.0003	.3991
#2	-.00224	.4061	.0002	.3729

Elem	Ca3179	Cr2677	Co2286	Cu3247
Line	317.933 {105}	267.716 {125}	228.616 {147}	324.754 {103}
Avg	-.1175	-.0003	.0003	-.0290
Stddev	.0098	.0000	.0001	.0293
%RSD	8.365	12.15	49.62	101.0

#1	-.1105	-.0002	.0002	-.0083
#2	-.1244	-.0003	.0004	-.0498

Elem	Fe2599	Fe2714	Pb2203	Mg2025
Line	259.940 {129}	271.441 {124}	220.353 {152}	202.582 {166}
Avg	.0008	.0010	.0003	.0953
Stddev	.0004	.0001	.0001	.0098
%RSD	47.44	8.190	19.53	10.25

#1	.0011	.0011	.0004	.0884
#2	.0005	.0009	.0003	.1022

Elem	Mg2795	Mn2576	Mn2939	Mo2020
Line	279.553 {120}	257.610 {131}	293.930 {114}	202.030 {166}
Avg	.04698	.00091	-.0002	.0001
Stddev	.01952	.00005	.0001	.0000
%RSD	41.552	5.8145	33.40	14.30

#1	.06079	.00087	-.0001	.0001
#2	.03318	.00095	-.0002	.0001

Elem	Ni2316	K_7664	Se1960	Ag3280
Line	231.604 {145}	766.490 {44}	196.090 {171}	328.068 {102}
Avg	-.0004	.7699	-.0249	.0194
Stddev	.0001	.0375	.0469	.0430
%RSD	36.58	4.870	188.6	222.2

#1	-.0003	.7434	-.0580	-.0111
#2	-.0005	.7965	.0083	.0498

Sample Name: Blank Run Time: 06/17/10 13:32

Elem	Na5895	Sn1899	V_3102	Zn2062
Line	589.592 { 57}	189.989 {176}	310.230 {108}	206.200 {163}
Avg	.0040	.0007	.0086	.0010
Stddev	.0009	.0001	.0001	.0000
%RSD	21.78	10.96	1.262	4.686

#1	.0046	.0007	.0086	.0011
#2	.0034	.0006	.0087	.0010

Elem	P_2149	Si2516	Ti3234	Tl1908
Line	214.914 {156}	251.612 {134}	323.452 {104}	190.864 {176}
Avg	.0463	.1381	.00483	-.0002
Stddev	.0166	.0117	.00032	.0002
%RSD	35.88	8.489	6.6635	99.17

#1	.0580	.1298	.00460	-.0003
#2	.0345	.1464	.00506	.0000

Elem	Li6707	Sr4077
Line	670.784 { 50}	407.771 { 82}
Avg	.42289	.00279
Stddev	.01543	.00055
%RSD	3.6498	19.572

#1	.43380	.00317
#2	.41197	.00240

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	174.50
Stddev	.59
%RSD	.33904

#1	174.08
#2	174.92

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Method: 2010A

Sample Name: STDB

Operator:

Comment:

Run Time: 06/17/10 13:35 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al2373	Ba2335	Be3130	Ca2112
Line	237.312 {141}	233.527 {144}	313.042 {107}	211.276 {159}
Avg	17.71	3.1562	.46815	40.11
Stddev	.05	.0123	.00208	.40
%RSD	.2889	.39077	.44432	1.003

#1	17.67	3.1475	.46668	39.83
#2	17.74	3.1649	.46962	40.40

Elem	Fe2714	Mg2025	Mn2939	K_7664
Line	271.441 {124}	202.582 {166}	293.930 {114}	766.490 {44}
Avg	.7637	51.51	.6923	154.7
Stddev	.0086	.34	.0019	.1
%RSD	1.124	.6631	.2741	.0496

#1	.7576	51.27	.6910	154.7
#2	.7698	51.75	.6936	154.8

Elem	Na5895	P_2149	Si2516	Li6707
Line	589.592 {57}	214.914 {156}	251.612 {134}	670.784 {50}
Avg	3.354	44.12	88.63	275.77
Stddev	.011	.38	.44	.26
%RSD	.3327	.8518	.4987	.09596

#1	3.346	43.85	88.31	275.96
#2	3.362	44.38	88.94	275.59

Elem	Sr4077
Line	407.771 {82}
Avg	7.5612
Stddev	.0095
%RSD	.12573

#1	7.5545
#2	7.5679

Int. Std.	Sc3572
Line	357.253 {94}
Avg	177.36
Stddev	.57
%RSD	.32284

#1	177.77
#2	176.96

Method: 2010A Sample Name: STDA *ICP7-36-A* Operator:
 Comment:
 Run Time: 06/17/10 13:38 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Sb2068	As1890	B_2497	Cd2265
Line	206.833 {162}	189.042 {177}	249.773 {134}	226.502 {148}
Avg	14.64	10.59	40.94	.3176
Stddev	.12	.06	.03	.0032
%RSD	.8242	.5302	.0651	.9932

#1	14.55	10.55	40.93	.3154
#2	14.72	10.63	40.96	.3198

Elem	Ca3179	Cr2677	Co2286	Cu3247
Line	317.933 {105}	267.716 {125}	228.616 {147}	324.754 {103}
Avg	31.86	.1217	.2038	14.37
Stddev	.03	.0009	.0016	.02
%RSD	.1043	.7089	.7815	.1300

#1	31.89	.1211	.2027	14.35
#2	31.84	.1223	.2049	14.38

Elem	Fe2599	Pb2203	Mg2795	Mn2576
Line	259.940 {129}	220.353 {152}	279.553 {120}	257.610 {131}
Avg	.4324	.1019	1380.4	3.1153
Stddev	.0089	.0009	.1	.0141
%RSD	2.052	.8706	.00897	.45417

#1	.4386	.1012	1380.3	3.1052
#2	.4261	.1025	1380.5	3.1253

Elem	Mo2020	Ni2316	Se1960	Ag3280
Line	202.030 {166}	231.604 {145}	196.090 {171}	328.068 {102}
Avg	.1587	.1852	9.816	16.62
Stddev	.0027	.0013	.052	.11
%RSD	1.705	.7042	.5328	.6526

#1	.1568	.1842	9.779	16.55
#2	.1606	.1861	9.853	16.70

Elem	Sn1899	V_3102	Zn2062	Ti3234
Line	189.989 {176}	310.230 {108}	206.200 {163}	323.452 {104}
Avg	.0981	.1475	.1793	.16849
Stddev	.0011	.0001	.0016	.00083
%RSD	1.157	.0382	.8813	.49357

#1	.0973	.1475	.1782	.16790
#2	.0989	.1474	.1804	.16907

Elem	Tl1908
Line	190.864 {176}
Avg	.0841
Stddev	.0007
%RSD	.7823

#1	.0836
#2	.0846

Sample Name: STDA Run Time: 06/17/10 13:38

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	178.92
Stddev	.06
%RSD	.03215

#1	178.88
#2	178.96

Method: 2010A

Sample Name: ICV1

Operator:

Comment:

Run Time: 06/17/10 13:41

Type: QC

Mode: CONC

Corr.Fact: 1.000000

ICP-MS

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.084	2.578	2.610	5.2274	.12729	.0009
Stddev	.014	.029	.003	.0253	.00021	.0007
%RSD	.2835	1.106	.1209	.48349	.16470	77.82
#1	5.074	2.558	2.608	5.2095	.12714	.0013
#2	5.094	2.598	2.613	5.2452	.12743	.0004
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	5.000	2.500	2.500	5.0000	.12500	
Range	10.00%	10.00%	10.00%	10.000%	10.000%	
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.293	12.89	.5197	1.284	.6375	2.512
Stddev	.011	.15	.0048	.007	.0092	.011
%RSD	.8308	1.154	.9147	.5673	1.451	.4205
#1	1.285	12.79	.5163	1.278	.6441	2.505
#2	1.301	13.00	.5231	1.289	.6310	2.520
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.250	12.50	.5000	1.250	.6250	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.589	12.57	1.2690	2.108	1.275	12.51
Stddev	.025	.08	.0037	.033	.004	.03
%RSD	.9649	.6304	.29278	1.586	.2919	.2244
#1	2.571	12.51	1.2664	2.084	1.272	12.49
#2	2.607	12.63	1.2716	2.131	1.278	12.53
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.500	12.50	1.2500	2.000	1.250	12.50
Range	10.00%	10.00%	10.000%	10.00%	10.00%	10.00%
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.580	.6313	12.31	.0167	1.266	1.284
Stddev	.065	.0035	.01	.0156	.002	.004
%RSD	2.505	.5610	.1023	93.43	.1259	.3442
#1	2.534	.6288	12.32	.0277	1.267	1.281
#2	2.625	.6338	12.30	.0057	1.265	1.287
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass
Value	2.500	.6250	12.50		1.250	1.250
Range	10.00%	10.00%	10.00%		10.00%	10.00%

Sample Name: ICV1 Run Time: 06/17/10 13:41

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0404	-.1462	2.0617	2.544	.00042	.00616
Stddev	.0244	.0010	.0037	.038	.00016	.00002
%RSD	60.46	.6696	.17962	1.498	36.999	.26033

#1	-.0232	-.1469	2.0591	2.517	.00031	.00615
#2	-.0577	-.1455	2.0643	2.571	.00053	.00617

Check ?	None	None	QC Pass	QC Pass	None	None
Value			2.0000	2.500		
Range			10.000%	10.00%		

Int. Std.	Sc3572
Units	Cts/S
Avg	177.96
Stddev	.25
%RSD	.14294

#1	177.78
#2	178.14

Method: 2010A Sample Name: ICVB1 *ICP7-43-D* Operator:

Comment:

Run Time: 06/17/10 13:44 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.074	.0241	-.0007	.00662	.00012	2.039
Stddev	.011	.0242	.0130	.00189	.00006	.011
%RSD	1.042	100.1	1930.	28.612	45.371	.5580

#1	1.066	.0412	.0085	.00796	.00016	2.031
#2	1.082	.0071	-.0098	.00528	.00008	2.047

Check ?	None	None	None	None	None	QC Pass
Value						2.000
Range						10.00%

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	5.242	.0070	.0029	.0011	10.25
Stddev	.0003	.020	.0004	.0004	.0049	.14
%RSD	13.65	.3849	5.258	14.97	460.6	1.402

#1	.0021	5.228	.0067	.0032	.0045	10.14
#2	.0017	5.257	.0072	.0026	-.0024	10.35

Check ?	None	QC Pass	None	None	None	QC Pass
Value		5.000				10.00
Range		10.00%				10.00%

Elem	Pb2203	Mg2795	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0031	5.0650	10.25	.0241	.0044	.0891
Stddev	.0000	.0039	.03	.0078	.0007	.0018
%RSD	.4937	.07622	.3200	32.12	15.03	1.996

#1	-.0031	5.0623	10.22	.0296	.0039	.0903
#2	-.0031	5.0677	10.27	.0187	.0048	.0878

Check ?	None	QC Pass	QC Pass	None	None	None
Value		5.0000	10.00			
Range		10.000%	10.00%			

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	.0045	.1165	5.082	-.0037	.0046
Stddev	.0050	.0028	.0056	.041	.0025	.0000
%RSD	119.7	62.57	4.806	.8095	67.36	.4539

#1	.0006	.0025	.1205	5.053	-.0054	.0046
#2	.0077	.0065	.1126	5.111	-.0019	.0046

Check ?	None	None	None	QC Pass	None	None
Value				5.000		
Range				10.00%		

Sample Name: ICVB1 Run Time: 06/17/10 13:44

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.060	5.193	.00318	.0121	2.0840	2.0337
Stddev	.016	.038	.00232	.0077	.0004	.0038
%RSD	.3232	.7244	73.027	63.93	.01713	.18786
#1	5.049	5.166	.00154	.0175	2.0837	2.0310
#2	5.072	5.219	.00482	.0066	2.0843	2.0364
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	5.000	5.000			2.0000	2.0000
Range	10.00%	10.00%			10.000%	10.000%

Int. Std.	Sc3572
Units	Cts/S
Avg	180.36
Stddev	.37
%RSD	.20694

#1	180.62
#2	180.10

Method: 2010A

Sample Name: ICB

Operator:

Comment:

Run Time: 06/17/10 13:47 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079	-.0023	-.0033	-.00005	-.00010	.0032
Stddev	.0101	.0000	.0005	.00028	.00009	.0006
%RSD	127.3	1.919	13.87	571.40	87.950	17.98

#1	.0150	-.0022	-.0036	.00015	-.00017	.0036
#2	.0008	-.0023	-.0029	-.00025	-.00004	.0028

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000	.0000
Range	±.0500	±.0500	±.1000	±.00500	±.00500	±.0500

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0028	.0009	.0004	.0021	.0091
Stddev	.0003	.0012	.0022	.0012	.0004	.0087
%RSD	156.9	43.71	256.7	268.4	19.21	96.27

#1	-.0004	-.0019	-.0007	.0013	.0018	.0153
#2	.0000	-.0037	.0024	-.0004	.0024	.0029

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.0050	±.0500	±.0050	±.0100	±.0100	±.0200

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0032	.00039	.00321	.0042	.0009	.0230
Stddev	.0036	.00016	.00301	.0011	.0015	.0094
%RSD	110.9	42.272	93.778	26.64	158.6	40.64

#1	-.0007	.00051	.00534	.0050	.0020	.0296
#2	-.0057	.00027	.00108	.0034	-.0001	.0164

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.00000	.0000	.0000	.0000
Range	±.0500	±.02000	±.00500	±.0100	±.0200	±.4000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0042	.0005	-.0049	.0008	-.0047	.0006
Stddev	.0040	.0033	.0056	.0068	.0034	.0000
%RSD	94.46	658.7	113.9	904.3	72.65	4.052

#1	-.0070	.0028	-.0009	.0056	-.0023	.0007
#2	-.0014	-.0018	-.0088	-.0041	-.0072	.0006

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.1000	±.0100	±.2000	±.0500	±.0100	±.0100

Sample Name: ICB Run Time: 06/17/10 13:47

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080	.0008	.00075	.0076	-.00010	.00025
Stddev	.0098	.0001	.00064	.0079	.00076	.00011
%RSD	122.3	8.371	84.821	103.8	725.29	46.043
#1	.0011	.0008	.00121	.0020	-.00064	.00033
#2	.0149	.0007	.00030	.0132	.00043	.00017
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.2000	±.01000	±.2000	±.01000	±.01000
Int. Std.	Sc3572					
Units	Cts/S					
Avg	175.80					
Stddev	.17					
%RSD	.09572					
#1	175.92					
#2	175.68					

Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 06/17/10 13:50 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.007	.0154	.0057	2.4760	.05040	-.0064
Stddev	.036	.0053	.0051	.0118	.00012	.0001
%RSD	.7138	34.64	89.15	.47718	.24126	1.799

#1	4.982	.0117	.0021	2.4676	.05048	-.0063
#2	5.032	.0192	.0094	2.4843	.05031	-.0065

Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	25.48	.0036	-.0015	-.0041	25.29
Stddev	.0007	.19	.0010	.0004	.0012	.10
%RSD	66.41	.7398	27.81	27.17	29.73	.3802

#1	.0015	25.35	.0029	-.0012	-.0032	25.22
#2	.0005	25.62	.0043	-.0018	-.0050	25.36

Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0019	25.05	5.031	.0025	-.0030	9.912
Stddev	.0014	.11	.006	.0009	.0001	.023
%RSD	69.49	.4260	.1299	36.82	2.288	.2314

#1	-.0010	24.98	5.027	.0018	-.0031	9.928
#2	-.0029	25.13	5.036	.0031	-.0030	9.896

Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0046	.0032	9.725	-.0101	-.0004	-.0001
Stddev	.0010	.0014	.072	.0023	.0011	.0002
%RSD	21.99	44.64	.7411	22.21	273.7	255.5

#1	-.0053	.0042	9.776	-.0117	-.0012	-.0002
#2	-.0039	.0022	9.674	-.0086	.0004	.0000

Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 06/17/10 13:50

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.10	2.510	.00087	-.0074	.49699	.50591
Stddev	.06	.008	.00026	.0156	.00211	.00072
%RSD	.5925	.3079	29.783	211.8	.42528	.14151
#1	10.06	2.504	.00068	.0037	.49849	.50642
#2	10.14	2.515	.00105	-.0185	.49550	.50541
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%
Int. Std.	Sc3572					
Units	Cts/S					
Avg	177.93					
Stddev	.08					
%RSD	.04591					
#1	177.87					
#2	177.99					

Method: 2010A Sample Name: CCVA

Operator:

Comment:

Run Time: 06/17/10 13:53 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4812	2.462	2.507	.46506	.54037	.5013
Stddev	.0067	.020	.016	.00136	.00017	.0030
%RSD	1.390	.8255	.6336	.29246	.03149	.6005
#1	.4859	2.447	2.496	.46410	.54025	.4991
#2	.4764	2.476	2.518	.46602	.54049	.5034
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5062	2.498	.5026	.5046	.4970	.5099
Stddev	.0011	.024	.0024	.0016	.0068	.0207
%RSD	.2159	.9642	.4677	.3229	1.368	4.058
#1	.5055	2.481	.5043	.5035	.5018	.5245
#2	.5070	2.515	.5010	.5058	.4922	.4953
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.488	1.9845	1.0018	.9962	.5035	4.888
Stddev	.033	.0004	.0047	.0099	.0008	.040
%RSD	1.317	.02105	.47378	.9925	.1651	.8132
#1	2.465	1.9848	1.0052	.9892	.5030	4.860
#2	2.511	1.9842	.99847	1.003	.5041	4.916
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.476	.4961	.4660	2.456	.4947	.5010
Stddev	.045	.0000	.0047	.001	.0051	.0024
%RSD	1.814	.0016	.9994	.0541	1.035	.4726
#1	2.444	.4961	.4693	2.457	.4911	.4993
#2	2.508	.4961	.4627	2.455	.4983	.5027
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Sample Name: CCVA Run Time: 06/17/10 13:53

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0363	.2580	.49845	4.977	-.00028	.00136
Stddev	.0175	.0037	.00220	.059	.00070	.00004
%RSD	48.08	1.447	.44207	1.175	255.07	3.2496

#1	-.0240	.2554	.49689	4.936	.00022	.00139
#2	-.0487	.2607	.50000	5.019	-.00077	.00132

Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			10.000%	10.00%		

Int. Std.	Sc3572
Units	Cts/S
Avg	179.87
Stddev	.47
%RSD	.25954

#1	179.54
#2	180.20

Method: 2010A Sample Name: CCB

Operator:

Comment:

Run Time: 06/17/10 13:56 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079	.0124	-.0036	.00024	-.00006	.0013
Stddev	.0145	.0019	.0009	.00002	.00002	.0004
%RSD	183.8	15.66	25.72	9.8341	43.045	29.39
#1	.0181	.0110	-.0043	.00022	-.00004	.0010
#2	-.0024	.0137	-.0029	.00026	-.00007	.0016
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000	.0000
Range	±.0500	±.0500	±.1000	±.00500	±.00500	±.0500
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0019	.0004	-.0002	-.0010	.0029
Stddev	.0001	.0012	.0013	.0004	.0023	.0001
%RSD	21.83	63.34	349.6	242.9	239.1	2.475
#1	-.0005	.0028	.0013	.0001	.0007	.0029
#2	-.0003	.0011	-.0006	-.0004	-.0026	.0028
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.0050	±.0500	±.0050	±.0100	±.0100	±.0200
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026	.00147	.00043	.0079	.0016	.0137
Stddev	.0020	.00007	.00021	.0036	.0019	.0084
%RSD	77.35	5.0524	49.145	45.57	113.8	61.63
#1	.0040	.00142	.00058	.0105	.0029	.0077
#2	.0012	.00152	.00028	.0054	.0003	.0196
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.00000	.0000	.0000	.0000
Range	±.0500	±.02000	±.00500	±.0100	±.0200	±.4000
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0091	.0013	-.0029	.0071	-.0043	-.0009
Stddev	.0149	.0002	.0006	.0002	.0016	.0003
%RSD	163.2	17.68	20.22	2.284	38.08	28.48
#1	.0014	.0015	-.0034	.0072	-.0031	-.0011
#2	-.0196	.0012	-.0025	.0070	-.0054	-.0007
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.1000	±.0100	±.2000	±.0500	±.0100	±.0100

Sample Name: CCB Run Time: 06/17/10 13:56

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0023	.0000	-.00026	.0207	.00014	-.00001
Stddev	.0043	.0027	.00023	.0000	.00008	.00002
%RSD	184.1	9491.	89.219	.0228	59.960	175.79

#1	-.0053	.0019	-.00010	.0207	.00020	.00000
#2	.0007	-.0019	-.00043	.0207	.00008	-.00003

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.2000	±.01000	±.2000	±.01000	±.01000

Int. Std.	Sc3572
Units	Cts/S
Avg	176.12
Stddev	.66
%RSD	.37282

#1	175.65
#2	176.58

Method: 2010A

Sample Name: CRI

Operator:

Comment:

Run Time: 06/17/10

13:59

Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0616	.0496	.0799	.00493	.00471	.0505
Stddev	.0167	.0053	.0042	.00008	.00005	.0005
%RSD	27.10	10.77	5.227	1.7110	.96557	.9919
#1	.0498	.0533	.0829	.00487	.00474	.0501
#2	.0734	.0458	.0770	.00499	.00467	.0508
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.0500	.1000	.00500	.00500	.0500
Range	30.00%	100.0%	100.0%	100.00%	100.00%	100.0%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.0469	.0071	.0098	.0100	.0229
Stddev	.0004	.0085	.0009	.0000	.0020	.0004
%RSD	8.609	18.23	12.66	.2755	20.35	1.779
#1	.0044	.0408	.0064	.0098	.0085	.0226
#2	.0050	.0529	.0077	.0098	.0114	.0232
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0050	.0500	.0050	.0100	.0100	.0200
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0419	.01840	.00523	.0107	.0201	.4081
Stddev	.0045	.00010	.00003	.0000	.0005	.0103
%RSD	10.66	.51731	.50531	.4122	2.413	2.535
#1	.0451	.01834	.00525	.0107	.0204	.4154
#2	.0387	.01847	.00521	.0107	.0197	.4008
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.02000	.00500	.0100	.0200	.4000
Range	100.0%	100.00%	100.00%	100.0%	100.0%	100.0%
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0899	.0098	.2075	.0406	.0080	.0094
Stddev	.0060	.0061	.0029	.0007	.0013	.0002
%RSD	6.622	62.28	1.387	1.775	16.01	1.638
#1	.0857	.0055	.2055	.0411	.0089	.0095
#2	.0941	.0141	.2095	.0401	.0071	.0093
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.1000	.0100	.2000	.0500	.0100	.0100
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Sample Name: CRI Run Time: 06/17/10 13:59

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1830	.3983	.00940	.1616	.00975	.00937
Stddev	.0028	.0004	.00315	.0134	.00067	.00001
%RSD	1.533	.0970	33.456	8.299	6.8876	.13156

#1	.1811	.3986	.00718	.1711	.01022	.00938
#2	.1850	.3980	.01163	.1521	.00927	.00936

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.2000	.4000	.01000	.2000	.01000	.01000
Range	100.0%	100.0%	100.00%	100.0%	100.00%	100.00%

Int. Std.	Sc3572
Units	Cts/S
Avg	177.02
Stddev	.36
%RSD	.20110

#1	176.76
#2	177.27

Method: 2010A Sample Name: ICSEA *JCP7-43-B* Operator:
 Comment:
 Run Time: 06/17/10 14:02 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	503.6	.0661	-.0148	-.00126	.00011	-.1045
Stddev	3.3	.0060	.0018	.00036	.00007	.0044
%RSD	.6518	8.999	12.28	28.296	60.944	4.179
#1	501.2	.0619	-.0135	-.00152	.00006	-.1076
#2	505.9	.0703	-.0161	-.00101	.00015	-.1014
Check ?	QC Pass	None	None	None	None	None
Value	500.0					
Range	20.00%					
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076	499.3	-.0043	-.0002	.0008	199.1
Stddev	.0001	4.5	.0015	.0009	.0006	.6
%RSD	1.549	.8996	35.56	464.6	69.21	.2881
#1	.0077	496.1	-.0054	-.0008	.0012	199.5
#2	.0076	502.4	-.0032	.0004	.0004	198.7
Check ?	None	QC Pass	None	None	None	QC Pass
Value		500.0				200.0
Range		20.00%				20.00%
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0056	514.2	.00446	.0017	-.0042	-.0205
Stddev	.0035	.9	.00020	.0009	.0005	.0041
%RSD	62.40	.1832	4.5669	54.58	12.29	20.08
#1	-.0081	513.5	.00432	.0024	-.0038	-.0176
#2	-.0032	514.8	.00461	.0011	-.0045	-.0234
Check ?	None	QC Pass	None	None	None	None
Value		500.0				
Range		20.00%				
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0316	-.0017	.0957	-.0179	-.0032	.0083
Stddev	.0207	.0045	.0012	.0076	.0037	.0013
%RSD	65.67	268.0	1.301	42.12	115.7	15.27
#1	.0462	.0015	.0948	-.0233	-.0006	.0074
#2	.0169	-.0048	.0965	-.0126	-.0058	.0092
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: ICSA Run Time: 06/17/10 14:02

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0063	-.0181	.01227	-.0447	.01294	.01967
Stddev	.0111	.0024	.00054	.0184	.00033	.00093
%RSD	177.9	13.15	4.3604	41.27	2.5163	4.7520

#1	.0016	-.0164	.01265	-.0316	.01271	.02033
#2	-.0141	-.0198	.01190	-.0577	.01317	.01900

Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	166.03
Stddev	.26
%RSD	.15845

#1	166.21
#2	165.84

Method: 2010A Sample Name: ICSAB *ICP7-38-C* Operator:
 Comment:
 Run Time: 06/17/10 14:05 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	505.8	1.082	-.0024	.46220	.54029	-.1057
Stddev	4.0	.008	.0100	.00308	.00181	.0031
%RSD	.7819	.7390	422.7	.66558	.33497	2.924

#1	503.0	1.087	.0047	.46003	.53901	-.1078
#2	508.6	1.076	-.0095	.46438	.54157	-.1035

Check ?	None	QC Pass	None	QC Pass	QC Pass	None
Value		1.000		.50000	.50000	
Range		20.00%		20.000%	20.000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9662	502.3	.4914	.4806	.4665	199.2
Stddev	.0067	4.6	.0014	.0055	.0011	.1
%RSD	.6920	.9082	.2884	1.138	.2332	.0498

#1	.9615	499.0	.4904	.4768	.4672	199.2
#2	.9709	505.5	.4924	.4845	.4657	199.3

Check ?	QC Pass	None	QC Pass	QC Pass	QC Pass	None
Value	1.000		.5000	.5000	.5000	
Range	20.00%		20.00%	20.00%	20.00%	

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9895	515.8	.46540	.0000	.9384	-.0643
Stddev	.0177	2.0	.00400	.0021	.0056	.0043
%RSD	1.790	.3901	.85907	6720.	.5944	6.715

#1	.9769	514.4	.46258	.0015	.9344	-.0673
#2	1.002	517.3	.46823	-.0015	.9423	-.0612

Check ?	QC Pass	None	QC Pass	None	QC Pass	None
Value	1.000		.50000		1.000	
Range	20.00%		20.000%		20.00%	

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0368	.9755	.0449	-.0251	.4978	.9414
Stddev	.0072	.0021	.0021	.0003	.0045	.0098
%RSD	19.62	.2191	4.681	1.159	.8976	1.041

#1	.0317	.9770	.0464	-.0249	.4946	.9345
#2	.0419	.9740	.0434	-.0253	.5010	.9483

Check ?	None	QC Pass	None	None	QC Pass	QC Pass
Value		1.000			.5000	1.000
Range		20.00%			20.00%	20.00%

Sample Name: ICSAB Run Time: 06/17/10 14:05

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0267	-.0019	.01092	-.0597	.01237	.01760
Stddev	.0042	.0018	.00016	.0010	.00021	.00014
%RSD	15.81	94.36	1.4694	1.752	1.6672	.79856

#1	-.0237	-.0032	.01103	-.0605	.01251	.01770
#2	-.0297	-.0006	.01080	-.0590	.01222	.01750

Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	166.29
Stddev	.53
%RSD	.31571

#1	166.66
#2	165.92

Method: 2010A Sample Name: ICSAB

Operator:

Comment:

Run Time: 06/17/10 14:08 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	504.7	1.062	-.0082	.45896	.53638	-.1073
Stddev	4.6	.012	.0030	.00231	.00078	.0020
%RSD	.9078	1.129	36.36	.50319	.14630	1.881
#1	501.4	1.053	-.0061	.45732	.53693	-.1059
#2	507.9	1.070	-.0103	.46059	.53582	-.1087
Check ?	None	QC Pass	None	QC Pass	QC Pass	None
Value		1.000		.50000	.50000	
Range		20.00%		20.000%	20.000%	
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9585	504.7	.4879	.4775	.4801	197.4
Stddev	.0041	3.4	.0058	.0007	.0016	.9
%RSD	.4261	.6770	1.180	.1537	.3318	.4495
#1	.9556	502.2	.4838	.4770	.4812	196.8
#2	.9614	507.1	.4919	.4780	.4790	198.0
Check ?	QC Pass	None	QC Pass	QC Pass	QC Pass	None
Value	1.000		.5000	.5000	.5000	
Range	20.00%		20.00%	20.00%	20.00%	
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9690	515.3	.46177	.0022	.9301	-.0422
Stddev	.0176	1.9	.00166	.0013	.0063	.0005
%RSD	1.812	.3724	.35978	62.01	.6773	1.206
#1	.9566	513.9	.46059	.0012	.9257	-.0426
#2	.9814	516.7	.46294	.0031	.9346	-.0418
Check ?	QC Pass	None	QC Pass	None	QC Pass	None
Value	1.000		.50000		1.000	
Range	20.00%		20.000%		20.00%	
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0296	.9737	.0407	-.0265	.4933	.9297
Stddev	.0365	.0047	.0046	.0075	.0054	.0088
%RSD	128.5	.4808	11.36	28.20	1.093	.9499
#1	.0554	.9770	.0374	-.0212	.4894	.9234
#2	.0037	.9704	.0439	-.0317	.4971	.9359
Check ?	None	QC Pass	None	None	QC Pass	QC Pass
Value		1.000			.5000	1.000
Range		20.00%			20.00%	20.00%

QC
6/17/10

Sample Name: ICSAB Run Time: 06/17/10 14:08

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0332	-.0038	.01111	-.0107	.01288	.01723
Stddev	.0089	.0008	.00178	.0356	.00033	.00005
%RSD	26.93	20.97	16.026	331.8	2.5385	.31714

#1	-.0269	-.0033	.00985	.0144	.01265	.01720
#2	-.0395	-.0044	.01237	-.0359	.01312	.01727

Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	167.58
Stddev	.31
%RSD	.18262

#1	167.37
#2	167.80

*SC
6/17/10*

Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 06/17/10 14:11 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.148	.0215	-.0083	2.4988	.05085	-.0085
Stddev	.013	.0073	.0009	.0143	.00015	.0009
%RSD	.2588	33.98	10.90	.57385	.29731	10.84

#1	5.157	.0267	-.0077	2.4886	.05096	-.0092
#2	5.138	.0163	-.0090	2.5089	.05074	-.0079

Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	25.83	.0031	-.0011	-.0026	25.56
Stddev	.0005	.28	.0013	.0009	.0004	.06
%RSD	41.99	1.080	41.93	81.72	15.85	.2195

#1	.0015	25.64	.0041	-.0017	-.0023	25.52
#2	.0008	26.03	.0022	-.0005	-.0028	25.60

Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0062	25.23	5.056	-.0010	-.0018	9.925
Stddev	.0019	.17	.018	.0008	.0008	.011
%RSD	30.34	.6721	.3563	81.97	47.63	.1099

#1	-.0075	25.11	5.044	-.0016	-.0012	9.917
#2	-.0048	25.35	5.069	-.0004	-.0024	9.933

Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0166	.0015	9.755	-.0014	-.0002	.0010
Stddev	.0030	.0047	.007	.0012	.0003	.0001
%RSD	18.00	314.4	.0773	89.13	138.5	8.559

#1	.0187	.0048	9.749	-.0005	-.0004	.0010
#2	.0145	-.0018	9.760	-.0022	.0000	.0009

Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 06/17/10 14:11

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.21	2.523	-.00058	-.0202	.50008	.50836
Stddev	.10	.021	.00086	.0002	.00108	.00194
%RSD	.9671	.8161	148.35	.7497	.21623	.38076
#1	10.14	2.509	-.00118	-.0204	.49932	.50973
#2	10.28	2.538	.00003	-.0201	.50085	.50699
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%
Int. Std.	Sc3572					
Units	Cts/S					
Avg	178.04					
Stddev	.51					
%RSD	.28467					
#1	177.68					
#2	178.40					

Method: 2010A Sample Name: CCVA

Operator:

Comment:

Run Time: 06/17/10 14:14 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4795	2.489	2.487	.46243	.53679	.5000
Stddev	.0000	.047	.029	.00128	.00068	.0002
%RSD	.0052	1.904	1.186	.27716	.12702	.0384
#1	.4796	2.456	2.466	.46152	.53727	.5002
#2	.4795	2.523	2.507	.46333	.53631	.4999
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5028	2.504	.5029	.4993	.5101	.5069
Stddev	.0025	.019	.0047	.0030	.0045	.0140
%RSD	.5046	.7571	.9292	.6029	.8784	2.761
#1	.5010	2.517	.4995	.4972	.5070	.5168
#2	.5046	2.491	.5062	.5015	.5133	.4970
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.467	1.9819	.99161	.9883	.4992	4.946
Stddev	.007	.0045	.00254	.0143	.0046	.007
%RSD	.2786	.22648	.25566	1.443	.9254	.1486
#1	2.462	1.9787	.98982	.9783	.4959	4.941
#2	2.472	1.9851	.99341	.9984	.5025	4.952
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.454	.4951	.4672	2.426	.4910	.4973
Stddev	.018	.0028	.0034	.039	.0076	.0034
%RSD	.7215	.5727	.7315	1.624	1.554	.6917
#1	2.441	.4931	.4696	2.398	.4856	.4948
#2	2.467	.4971	.4648	2.454	.4964	.4997
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Sample Name: CCVA Run Time: 06/17/10 14:14

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0315	.2594	.49506	4.924	.00019	.00130
Stddev	.0086	.0039	.00541	.050	.00017	.00009
%RSD	27.22	1.509	1.0925	1.011	89.075	7.0887

#1	-.0254	.2566	.49889	4.888	.00007	.00137
#2	-.0375	.2621	.49124	4.959	.00031	.00124

Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			10.000%	10.00%		

Int. Std.	Sc3572
Units	Cts/S
Avg	180.80
Stddev	.05
%RSD	.02735

#1	180.84
#2	180.77

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 06/17/10 14:17 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0166	.0026	.00038	.00008	.0010
Stddev	.0011	.0094	.0060	.00057	.00007	.0006
%RSD	31680.	56.62	230.1	151.77	82.267	58.15

#1	.0008	.0232	.0069	.00078	.00003	.0006
#2	-.0008	.0099	-.0016	-.00003	.00013	.0014

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000	.0000
Range	±.0500	±.0500	±.1000	±.00500	±.00500	±.0500

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0056	.0015	-.0004	.0037	.0053
Stddev	.0001	.0052	.0010	.0000	.0005	.0006
%RSD	23.06	92.76	65.39	.7534	14.48	11.65

#1	.0004	.0093	.0021	-.0004	.0041	.0057
#2	.0003	.0019	.0008	-.0004	.0034	.0049

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.0050	±.0500	±.0050	±.0100	±.0100	±.0200

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0073	.00178	.00069	.0076	-.0007	-.0041
Stddev	.0005	.00005	.00032	.0048	.0016	.0005
%RSD	7.458	2.5968	46.318	63.41	233.9	11.33

#1	-.0076	.00175	.00092	.0110	-.0018	-.0037
#2	-.0069	.00181	.00047	.0042	.0004	-.0044

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.00000	.0000	.0000	.0000
Range	±.0500	±.02000	±.00500	±.0100	±.0200	±.4000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	-.0005	-.0009	.0046	-.0027	-.0006
Stddev	.0020	.0009	.0029	.0071	.0004	.0014
%RSD	70.72	189.9	304.3	154.5	15.79	235.6

#1	.0014	.0002	-.0030	.0096	-.0024	.0004
#2	.0042	-.0012	.0011	-.0004	-.0031	-.0016

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.1000	±.0100	±.2000	±.0500	±.0100	±.0100

Sample Name: CCB Run Time: 06/17/10 14:17

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0069	.0009	.00214	.0132	-.00035	.00002
Stddev	.0080	.0012	.00011	.0026	.00009	.00001
%RSD	115.3	123.4	5.1956	19.97	26.546	32.918
#1	-.0013	.0018	.00222	.0151	-.00028	.00003
#2	-.0126	.0001	.00206	.0114	-.00041	.00002
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.2000	±.01000	±.2000	±.01000	±.01000
Int. Std.	Sc3572					
Units	Cts/S					
Avg	175.64					
Stddev	.06					
%RSD	.03192					
#1	175.68					
#2	175.60					

Method: 2010A Sample Name: K1005854-MB1 Operator: JC
 Comment: (205168) (061710B)
 Run Time: 06/17/10 14:22 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0230	.0155	-.0065	.00010	-.00005	.0041
#1	.0167	.0211	-.0062	.00021	-.00004	.0034
#2	.0293	.0098	-.0069	-.00001	-.00005	.0049
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0069	.0077	-.0001	.0018	.0837
#1	-.0005	.0097	.0077	-.0004	.0014	.0839
#2	.0006	.0041	.0077	.0001	.0022	.0836
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	.00253	.00022	.0006	.0013	.0320
#1	-.0023	.00241	.00019	.0007	.0002	.0128
#2	-.0003	.00265	.00026	.0005	.0023	.0512
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	-.0030	.0254	.0000	-.0038	.0008
#1	.0098	-.0052	.0270	-.0030	-.0052	.0010
#2	-.0014	-.0008	.0238	.0031	-.0024	.0005
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054	.1369	.00141	-.0026	-.00046	.00005
#1	.0060	.1364	.00051	.0096	.00001	.00005
#2	.0049	.1375	.00230	-.0147	-.00092	.00005
Int. Std.	Sc3572					
Units	Cts/S					
Avg	176.50					
#1	176.71					
#2	176.29					

Method: 2010A Sample Name: K1005854-MB2 Operator: JC
 Comment: (205168) (061710B)
 Run Time: 06/17/10 14:25 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0412	-.0024	.0000	.00062	-.00004	.0052
#1	.0325	-.0071	-.0009	.00061	-.00008	.0044
#2	.0498	.0023	.0010	.00064	-.00001	.0061
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0136	.0024	-.0005	.0039	.0119
#1	.0001	.0102	.0019	-.0002	.0051	.0112
#2	-.0002	.0171	.0029	-.0009	.0028	.0127
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0059	.00400	.00053	-.0003	.0012	.0647
#1	.0017	.00389	.00054	.0002	.0016	.0533
#2	-.0135	.00411	.00052	-.0008	.0007	.0761
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	-.0003	.0543	-.0005	-.0037	.0006
#1	.0042	-.0022	.0536	.0076	-.0052	.0005
#2	.0042	.0015	.0551	-.0086	-.0021	.0008
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0094	.1422	.00298	-.0031	.00068	.00011
#1	.0052	.1398	.00494	-.0031	.00041	.00011
#2	-.0239	.1447	.00102	-.0031	.00095	.00011
Int. Std.	Sc3572					
Units	Cts/S					
Avg	179.36					
#1	179.34					
#2	179.39					

Method: 2010A Sample Name: K1005854-010 Operator: JC
 Comment: (205168) (061710B)
 Run Time: 06/17/10 14:28 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2415	.0070	.0013	.00908	-.00001	.0116
#1	.2344	.0071	.0089	.00903	-.00002	.0123
#2	.2486	.0070	-.0062	.00912	.00000	.0108
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0324	.0201	.0000	.0009	.0860
#1	-.0009	.0383	.0202	-.0003	.0032	.0864
#2	.0000	.0266	.0200	.0004	-.0014	.0857
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0036	.00345	.00074	.0066	.0049	.0079
#1	-.0025	.00359	.00075	.0083	.0044	.0085
#2	-.0048	.00331	.00074	.0049	.0054	.0074
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0120	-.0019	.0359	-.0032	-.0012	.0014
#1	.0169	-.0022	.0344	-.0055	-.0017	.0019
#2	.0070	-.0015	.0375	-.0010	-.0006	.0009
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1392	1.881	.06784	.0008	.00025	.00025
#1	.1318	1.881	.06804	.0098	.00030	.00023
#2	.1465	1.881	.06765	-.0082	.00019	.00027
Int. Std.	Sc3572					
Units	Cts/S					
Avg	180.82					
#1	180.09					
#2	181.55					

Method: 2010A Sample Name: K1005854-010D Operator: JC
 Comment: (205168) (061710B)
 Run Time: 06/17/10 14:31 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2068	.0014	.0020	.01014	-.00009	.0140
#1	.1949	-.0024	-.0016	.01004	-.00006	.0144
#2	.2187	.0052	.0056	.01025	-.00012	.0136
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0333	.0218	.0002	.0012	.1666
#1	-.0004	.0387	.0211	.0001	.0024	.1663
#2	-.0002	.0279	.0226	.0002	-.0001	.1668
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.00129	.00050	.0070	.0085	.0171
#1	-.0026	.00128	.00057	.0072	.0087	.0052
#2	.0024	.00129	.00044	.0069	.0082	.0291
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0113	-.0007	.0226	-.0039	-.0020	.0009
#1	.0225	-.0025	.0181	.0011	-.0021	.0004
#2	.0000	.0011	.0271	-.0090	-.0020	.0015
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1375	1.944	.06451	.0115	-.00062	.00027
#1	.1209	1.919	.06291	.0041	-.00003	.00030
#2	.1541	1.969	.06612	.0190	-.00121	.00024
Int. Std.	Sc3572					
Units	Cts/S					
Avg	176.84					
#1	176.52					
#2	177.16					

Method: 2010A

Sample Name: RB

Operator: JC

Comment: (205168) (061710B)

Run Time: 06/17/10 14:34 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	.0070	-.0033	-.00007	-.00011	.0007
#1	.0104	.0042	-.0121	.00023	-.00009	.0010
#2	-.0007	.0099	.0056	-.00037	-.00013	.0005
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0015	.0011	-.0002	.0014	.0021
#1	-.0002	-.0015	.0021	-.0002	.0034	.0023
#2	-.0002	-.0015	.0002	-.0002	-.0005	.0018
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0119	.00016	.00019	-.0015	.0014	-.0034
#1	-.0084	.00014	.00023	-.0006	.0020	-.0113
#2	-.0154	.00018	.00015	-.0025	.0008	.0046
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0028	.0045	.0001	-.0070	-.0013
#1	.0070	-.0022	.0040	.0003	-.0051	-.0012
#2	-.0070	-.0035	.0050	-.0001	-.0089	-.0013
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	.0040	-.00075	-.0008	-.00069	-.00002
#1	.0144	.0051	-.00135	-.0110	-.00081	-.00002
#2	-.0047	.0029	-.00015	.0095	-.00056	-.00002
Int. Std.	Sc3572					
Units	Cts/S					
Avg	176.16					
#1	176.22					
#2	176.09					

Method: 2010A Sample Name: K1006251-MB Operator: JC
 Comment: 9/10 (205168) (061710B)
 Run Time: 06/17/10 14:37 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0102	.0103	.0013	.00030	-.00003

#1	-.0196	.0070	.0030	.00066	-.00008
#2	-.0007	.0136	-.0003	-.00005	.00001

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0003	.0065	.0021	.0003

#1	.0001	.0001	-.0011	.0011	-.0003
#2	.0006	.0005	.0140	.0031	.0008

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0004	-.0099	-.00001	.00010

#1	.0020	.0000	-.0080	-.00002	.00013
#2	-.0011	.0008	-.0119	.00000	.00007

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0013	-.0237	.0049	.0020

#1	-.0008	.0020	-.0034	.0028	.0002
#2	-.0003	.0006	-.0440	.0070	.0038

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0061	-.0006	-.0015	-.0005	.0095

#1	-.0036	-.0044	-.0025	-.0005	.0086
#2	-.0086	.0031	-.0005	-.0005	.0103

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0042	.00188	.0188	.00006	-.00003

#1	.0015	.00096	.0226	.00000	.00001
#2	.0070	.00281	.0151	.00012	-.00007

Int. Std.	Sc3572
Units	Cts/S
Avg	174.80

#1	175.12
#2	174.48

Method: 2010A Sample Name: K1006251-001 Operator: JC
 Comment: 9/10 (205168) (061710B)
 Run Time: 06/17/10 14:40 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095	-.0014	.0098	.00009	-.00006	-.0001
#1	.0072	.0005	.0043	.00016	-.00010	-.0004
#2	.0118	-.0033	.0154	.00003	-.00002	.0002
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0024	.0025	-.0003	.0011	.0039
#1	-.0002	-.0050	.0041	-.0008	-.0020	.0035
#2	-.0007	.0002	.0009	.0002	.0043	.0043
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.00018	.00028	.0004	.0007	.7652
#1	.0030	.00017	.00030	.0002	-.0003	.7672
#2	-.0013	.00018	.00027	.0006	.0018	.7632
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0010	.2128	.3875	-.0042	-.0010
#1	.0084	.0022	.2114	.3848	-.0037	-.0008
#2	-.0056	-.0002	.2142	.3902	-.0047	-.0012
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4549	.0019	.00213	.0009	-.00014	.00001
#1	.4417	.0010	.00282	.0079	-.00044	-.00005
#2	.4682	.0029	.00144	-.0062	.00016	.00007
Int. Std.	Sc3572					
Units	Cts/S					
Avg	182.01					
#1	180.71					
#2	183.30					

Method: 2010A Sample Name: K1006251-001D Operator: JC
 Comment: 9/10 (205168) (061710B)
 Run Time: 06/17/10 14:43 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0347	.0024	.0003	.00016	-.00007	.0004
#1	.0182	.0061	-.0003	.00020	-.00007	.0004
#2	.0512	-.0014	.0010	.00012	-.00008	.0004
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0045	.0018	.0011	-.0007	.0040
#1	-.0008	-.0041	.0011	.0014	-.0003	.0039
#2	-.0002	-.0050	.0025	.0007	-.0011	.0040
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0054	.00024	.00012	.0012	.0009	.7346
#1	-.0041	.00020	.00004	.0008	.0004	.7268
#2	-.0066	.00029	.00021	.0016	.0014	.7424
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0042	.0013	.2174	.4020	-.0013	-.0004
#1	-.0140	-.0028	.1975	.3860	.0002	-.0009
#2	.0056	.0055	.2374	.4180	-.0028	.0001
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4631	-.0001	.00189	-.0071	-.00034	.00000
#1	.4700	-.0011	-.00038	-.0139	-.00035	.00001
#2	.4561	.0009	.00415	-.0004	-.00033	-.00001
Int. Std.	Sc3572					
Units	Cts/S					
Avg	175.71					
#1	180.85					
#2	170.57					

Method: 2010A Sample Name: 10 ppm Sn

Operator: JC

Comment: (205168) (061710B)

Run Time: 06/17/10 14:46 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0159	.0019	.0030	-.00012	-.000006	-.0007
#1	.0041	-.0071	.0010	-.00038	-.000006	-.0002
#2	.0277	.0108	.0049	.00013	-.000006	-.0011
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0037	-.0006	.0003	-.0016	.0021
#1	-.0002	-.0063	.0008	.0010	.0003	.0022
#2	-.0003	-.0011	-.0020	-.0004	-.0036	.0020
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0049	.00012	.00011	-.0009	.0014	.0194
#1	-.0032	.00006	.00007	-.0012	.0001	.0009
#2	-.0067	.00018	.00014	-.0007	.0027	.0379
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0106	.0023	.0017	10.21	-.0041	-.0008
#1	-.0141	.0015	.0009	10.16	-.0029	-.0009
#2	-.0070	.0032	.0024	10.25	-.0053	-.0006
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037	.1031	.00058	.0124	-.00013	-.00007
#1	.0161	.1072	-.00028	.0133	-.00045	-.00004
#2	-.0087	.0990	.00143	.0115	.00019	-.00010
Int. Std.	Sc3572					
Units	Cts/S					
Avg	179.04					
#1	179.07					
#2	179.02					

Method: 2010A		Sample Name: RB		Operator: JC	
Comment: (205168) (061710B)					
Run Time: 06/17/10 14:49		Type: Unk	Mode: CONC	Corr.Fact: 1.000000	
Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	-.0024	.0043	-.00006	-.00002
#1	-.0038	.0024	.0043	-.00046	-.00004
#2	.0010	-.0071	.0043	.00035	.00000
Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0002	-.0048	.0003	.0004
#1	-.0001	-.0002	-.0041	-.0007	-.0002
#2	.0011	-.0002	-.0054	.0013	.0010
Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0008	.0029	.00020	.00013
#1	.0032	.0011	.0066	.00025	.00012
#2	.0009	.0005	-.0007	.00014	.00013
Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0015	.0008	-.0004	.0077	-.0022
#1	-.0009	.0007	.0016	.0014	-.0015
#2	-.0022	.0009	-.0023	.0140	-.0028
Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0018	.0168	-.0030	-.0010	.0005
#1	-.0027	.0280	-.0044	-.0009	-.0076
#2	-.0009	.0056	-.0016	-.0011	.0086
Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.00104	.0002	.00002	-.00004
#1	.0025	.00031	.0039	.00008	-.00002
#2	-.0015	.00178	-.0036	-.00004	-.00006
Int. Std.	Sc3572				
Units	Cts/S				
Avg	176.28				
#1	176.58				
#2	175.99				

Method: 2010A

Sample Name: CCVB

Operator:

Comment:

Run Time: 06/17/10 14:52 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.048	.0248	.0008	2.4904	.05084	-.0074
Stddev	.020	.0080	.0074	.0054	.00020	.0007
%RSD	.4006	32.24	878.9	.21700	.39022	9.018
#1	5.034	.0305	-.0044	2.4865	.05098	-.0078
#2	5.062	.0192	.0061	2.4942	.05070	-.0069
Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	25.78	.0023	-.0009	-.0002	25.36
Stddev	.0002	.28	.0005	.0013	.0014	.18
%RSD	10.80	1.101	21.29	148.9	811.2	.7044
#1	.0017	25.58	.0020	.0000	-.0011	25.23
#2	.0014	25.98	.0027	-.0018	.0008	25.48
Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%
Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0137	25.19	5.051	-.0003	-.0018	9.941
Stddev	.0054	.03	.008	.0001	.0014	.042
%RSD	39.54	.1087	.1605	41.63	77.02	.4172
#1	-.0175	25.17	5.045	-.0004	-.0027	9.911
#2	-.0098	25.21	5.057	-.0002	-.0008	9.970
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0152	-.0035	9.743	.0091	-.0032	.0004
Stddev	.0169	.0028	.036	.0038	.0024	.0001
%RSD	111.6	80.79	.3690	41.67	75.46	27.97
#1	.0271	-.0055	9.718	.0118	-.0015	.0003
#2	.0032	-.0015	9.769	.0064	-.0049	.0004
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 06/17/10 14:52

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.19	2.522	.00076	-.0091	.49863	.50814
Stddev	.05	.013	.00017	.0181	.00506	.00055
%RSD	.4771	.5064	22.521	199.5	1.0142	.10744
#1	10.15	2.513	.00064	.0037	.49505	.50853
#2	10.22	2.531	.00088	-.0219	.50220	.50776
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%
Int. Std.	Sc3572					
Units	Cts/S					
Avg	178.55					
Stddev	.56					
%RSD	.31185					
#1	178.16					
#2	178.95					

Method: 2010A Sample Name: CCVA

Operator:

Comment:

Run Time: 06/17/10 14:55 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4993	2.464	2.459	.46977	.54694	.5020
Stddev	.0057	.012	.028	.00567	.00977	.0003
%RSD	1.143	.5049	1.126	1.2079	1.7862	.0573
#1	.5034	2.455	2.478	.47379	.55385	.5022
#2	.4953	2.473	2.439	.46576	.54003	.5018
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5095	2.518	.5100	.5076	.5044	.5177
Stddev	.0047	.009	.0049	.0061	.0018	.0211
%RSD	.9286	.3658	.9687	1.201	.3473	4.071
#1	.5128	2.525	.5135	.5119	.5031	.5326
#2	.5061	2.512	.5065	.5033	.5056	.5027
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.512	2.0064	1.0057	1.005	.5060	4.951
Stddev	.051	.0037	.0144	.000	.0049	.022
%RSD	2.036	.18699	1.4340	.0302	.9642	.4480
#1	2.548	2.0091	1.0159	1.005	.5095	4.967
#2	2.476	2.0038	.99550	1.005	.5026	4.936
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.505	.5023	.4747	2.487	.5052	.5046
Stddev	.006	.0129	.0115	.049	.0049	.0057
%RSD	.2272	2.578	2.416	1.952	.9718	1.134
#1	2.501	.5114	.4828	2.522	.5087	.5087
#2	2.509	.4931	.4666	2.453	.5017	.5006
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Sample Name: CCVA Run Time: 06/17/10 14:55

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0332	.2568	.50397	4.983	.00066	.00142
Stddev	.0073	.0004	.01162	.043	.00035	.00005
%RSD	21.87	.1607	2.3062	.8547	53.520	3.6482
#1	-.0384	.2571	.51219	5.014	.00041	.00146
#2	-.0281	.2566	.49575	4.953	.00091	.00139
Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			10.000%	10.00%		

Int. Std.	Sc3572
Units	Cts/S
Avg	178.99
Stddev	2.69
%RSD	1.5013

#1	177.09
#2	180.89

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 06/17/10 14:58 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055	.0119	.0010	.00034	-.00004	.0014
Stddev	.0311	.0041	.0037	.00017	.00003	.0002
%RSD	561.4	34.27	375.1	49.937	88.886	10.99

#1	.0275	.0148	.0036	.00022	-.00001	.0013
#2	-.0165	.0090	-.0016	.00046	-.00006	.0015

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000	.0000
Range	±.0500	±.0500	±.1000	±.00500	±.00500	±.0500

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0048	.0019	.0001	.0016	.0029
Stddev	.0005	.0040	.0007	.0002	.0022	.0001
%RSD	140.3	83.57	38.02	418.5	133.6	2.329

#1	.0000	.0019	.0024	-.0001	.0001	.0029
#2	.0006	.0076	.0014	.0002	.0032	.0028

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.0050	±.0500	±.0050	±.0100	±.0100	±.0200

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0068	.00054	.00095	.0072	.0010	-.0025
Stddev	.0008	.00009	.00000	.0054	.0014	.0043
%RSD	11.68	16.618	.33834	75.61	134.8	172.8

#1	-.0063	.00061	.00095	.0110	.0000	.0006
#2	-.0074	.00048	.00095	.0033	.0020	-.0055

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.00000	.0000	.0000	.0000
Range	±.0500	±.02000	±.00500	±.0100	±.0200	±.4000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0133	.0003	-.0048	-.0032	-.0015	.0002
Stddev	.0010	.0002	.0007	.0024	.0036	.0004
%RSD	7.427	68.86	14.29	76.21	247.1	162.8

#1	.0126	.0002	-.0043	-.0015	-.0040	.0005
#2	.0140	.0005	-.0052	-.0049	.0011	.0000

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.1000	±.0100	±.2000	±.0500	±.0100	±.0100

Sample Name: CCB Run Time: 06/17/10 14:58

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0183	.0016	-.00021	.0133	-.00071	.00015
Stddev	.0086	.0012	.00113	.0208	.00010	.00004
%RSD	47.26	74.15	527.51	155.5	13.936	25.070
#1	.0122	.0008	-.00101	-.0013	-.00064	.00018
#2	.0244	.0024	.00058	.0280	-.00078	.00013
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.2000	±.01000	±.2000	±.01000	±.01000
Int. Std.	Sc3572					
Units	Cts/S					
Avg	178.72					
Stddev	.34					
%RSD	.18751					
#1	178.96					
#2	178.48					

Method: 2010A Sample Name: K1005662-001 Operator: JC
 Comment: 0.6169/50 X 1/50 (205168) (061710B)
 Run Time: 06/17/10 15:01 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	.0132	-.0055	.00007	-.00007	.0019
#1	.0025	.0071	-.0069	-.00005	-.00007	.0020
#2	.0073	.0194	-.0042	.00020	-.00008	.0017
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0013	.0017	-.0002	.0047	.0020
#1	-.0007	.0037	.0019	-.0001	.0034	.0023
#2	.0001	-.0011	.0015	-.0004	.0060	.0018
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	.00024	.00015	.0013	-.0002	19.25
#1	.0049	.00018	.00026	.0009	-.0007	19.23
#2	-.0074	.00030	.00004	.0017	.0003	19.26
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	.0010	.0706	11.70 ✗	-.0029	-.0014
#1	.0070	.0015	.0731	11.59	-.0028	-.0014
#2	-.0085	.0005	.0682	11.80	-.0031	-.0014
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.415	.0029	.00027	-.0005	.00017	-.00002
#1	8.362	.0046	.00181	-.0051	.00087	-.00002
#2	8.468	.0012	-.00128	.0041	-.00053	-.00001
Int. Std.	Sc3572					
Units	Cts/S					
Avg	178.26					
#1	178.14					
#2	178.39					

$$\times 11.70 \left(\frac{10.21 \text{ Sn}}{10 \text{ Sn}} \right) = 11.95 \text{ Sn}$$

Method: 2010A Sample Name: K1005662-001D Operator: JC
 Comment: 0.6170/50 X 1/50 (205168) (061710B)
 Run Time: 06/17/10 15:04 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0132	-.0019	-.00021	-.00005	.0015
#1	.0246	.0071	-.0128	-.00053	-.00005	.0018
#2	-.0243	.0193	.0089	.00010	-.00006	.0012

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0004	.0011	.0001	.0011	.0012
#1	-.0003	.0041	.0012	-.0001	-.0005	.0014
#2	-.0002	-.0033	.0009	.0004	.0028	.0011

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033	.00014	.00010	.0006	.0007	19.50
#1	.0029	.00018	.00024	.0015	.0007	19.55
#2	.0036	.00010	-.00004	-.0004	.0008	19.45

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	.0015	.0778	11.83 *	-.0028	-.0010
#1	-.0169	.0012	.0784	11.79	-.0030	-.0017
#2	.0140	.0018	.0773	11.87	-.0027	-.0003

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.575	.0029	.00114	-.0032	-.00092	-.00001
#1	8.576	.0043	-.00057	.0078	-.00074	-.00007
#2	8.575	.0015	.00286	-.0143	-.00110	.00006

Int. Std.	Sc3572
Units	Cts/S
Avg	178.69
#1	178.70
#2	178.67

* 12.08 Sn

Method: 2010A

Sample Name: RB

Operator: JC

Comment: (205168) (061710B)

Run Time: 06/17/10 15:07 Type: Unk

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0223	.0137	.0027	.00011	-.00007	.0003
#1	.0341	.0128	.0010	-.00003	-.00013	-.0004
#2	.0104	.0146	.0043	.00026	.00000	.0010
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0030	.0006	.0002	.0018	.0014
#1	.0006	.0054	.0006	-.0001	-.0032	.0015
#2	.0001	.0006	.0006	.0004	.0068	.0014
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.00020	.00018	.0010	.0003	.0088
#1	.0040	.00014	.00036	.0014	-.0006	.0067
#2	-.0032	.00026	.00000	.0007	.0013	.0109
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0028	.0013	.0005	.0157	-.0049	-.0009
#1	.0000	.0018	.0006	.0300	-.0068	-.0014
#2	-.0056	.0008	.0003	.0014	-.0031	-.0004
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058	.0010	-.00231	-.0106	-.00030	-.00001
#1	.0133	.0002	-.00041	-.0106	-.00029	-.00003
#2	-.0016	.0017	-.00421	-.0106	-.00031	.00002
Int. Std.	Sc3572					
Units	Cts/S					
Avg	178.83					
#1	178.81					
#2	178.85					

Method: 2010A Sample Name: K1005597-MB Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 15:10 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0038	.0160	-.0036	.00004	-.00005
#1	.0073	.0127	-.0023	.00014	-.00002
#2	-.0148	.0194	-.0049	-.00007	-.00007
Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0025	-.0001	.0028	.0018	.0003
#1	.0025	.0001	.0002	.0013	.0002
#2	.0025	-.0002	.0054	.0023	.0004
Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0023	-.0095	.00067	.00017
#1	.0009	.0020	-.0067	.00067	.00031
#2	.0016	.0025	-.0124	.00068	.00003
Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0014	.0200	.0105	.0025
#1	-.0004	.0003	.0272	.0154	-.0015
#2	.0021	.0026	.0127	.0056	.0065
Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0052	.0170	-.0068	-.0008	.0117
#1	.0048	.0202	-.0062	-.0009	.0199
#2	.0056	.0139	-.0073	-.0006	.0036
Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0065	.00058	-.0004	.00030	-.00005
#1	.0068	-.00018	-.0031	.00011	-.00003
#2	.0063	.00133	.0024	.00048	-.00008
Int. Std.	Sc3572				
Units	Cts/S				
Avg	179.64				
#1	179.70				
#2	179.57				

Method: 2010A Sample Name: LCSW Operator: JC
 Comment: 1/2 K1005597 (205168) (061710B)
 Run Time: 06/17/10 15:13 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.019	.4421	.4798	2.1320	.05177	.5167
#1	2.008	.4350	.4756	2.1240	.05198	.5163
#2	2.031	.4491	.4840	2.1400	.05156	.5171
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0527	.0029	.2162	.5335	.2502	1.037
#1	.0525	.0050	.2148	.5317	.2464	1.035
#2	.0529	.0007	.2176	.5353	.2540	1.039
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5021	.00059	.50200	.5257	.5312	.0189
#1	.5091	.00060	.50136	.5232	.5294	.0272
#2	.4951	.00057	.50265	.5283	.5330	.0106
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4638	.0482	.0111	.0090	.5208	.5299
#1	.4456	.0491	.0153	.0118	.5194	.5282
#2	.4821	.0474	.0070	.0063	.5222	.5316
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0035	.0168	.00072	.4532	-.00037	.00002
#1	-.0073	.0142	-.00018	.4551	-.00009	.00007
#2	.0003	.0193	.00161	.4513	-.00065	-.00003
Int. Std.	Sc3572					
Units	Cts/S					
Avg	175.42					
#1	175.06					
#2	175.79					

Method: 2010A Sample Name: K1005597-001 Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 15:16 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0022	.0024	.0043	.00090	-.00003
#1	.0057	-.0014	.0063	.00150	-.00003
#2	-.0101	.0061	.0023	.00030	-.00003
Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0031	-.0001	.0082	.0013	-.0002
#1	.0025	-.0006	.0076	.0005	.0002
#2	.0038	.0005	.0089	.0021	-.0005
Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0062	-.0074	.00121	.00042
#1	.0011	.0064	-.0093	.00111	.00048
#2	.0001	.0059	-.0055	.00131	.00036
Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0007	.0290	-.0148	.0042
#1	.0019	.0017	.0258	-.0085	.0048
#2	-.0004	-.0002	.0322	-.0211	.0035
Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0124	.0139	-.0011	.0004	.0221
#1	.0177	.0135	-.0012	.0002	.0155
#2	.0072	.0143	-.0011	.0005	.0286
Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0063	-.00240	-.0052	-.00009	-.00003
#1	.0092	-.00219	-.0107	-.00052	-.00005
#2	.0033	-.00260	.0004	.00033	-.00001
Int. Std.	Sc3572				
Units	Cts/S				
Avg	178.21				
#1	178.15				
#2	178.27				

Method: 2010A Sample Name: K1005597-001D Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 15:19 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0046	.0118	.0004	.00011	.00001
#1	-.0006	.0034	-.0095	.00032	-.00001
#2	-.0086	.0202	.0102	-.00009	.00004
Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0000	.0050	.0026	-.0001
#1	.0013	-.0002	.0037	.0018	-.0003
#2	.0016	.0002	.0063	.0033	.0000
Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0058	-.0053	.00161	.00023
#1	.0016	.0062	-.0016	.00151	.00022
#2	.0018	.0054	-.0089	.00171	.00023
Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0006	.0255	.0070	.0008
#1	.0022	-.0007	-.0041	.0084	-.0002
#2	-.0001	-.0005	.0552	.0056	.0018
Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0153	.0141	-.0071	.0006	.0136
#1	.0149	.0162	-.0051	.0008	.0149
#2	.0157	.0120	-.0091	.0003	.0124
Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0074	.00026	.0060	-.00039	.00003
#1	.0081	.00041	.0170	-.00056	.00002
#2	.0067	.00011	-.0050	-.00022	.00005
Int. Std.	Sc3572				
Units	Cts/S				
Avg	178.72				
#1	178.42				
#2	179.02				

Method: 2010A Sample Name: K1005597-001L Operator: JC
 Comment: 1/10 (205168) (061710B)
 Run Time: 06/17/10 15:22 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0166	.0010	-.0029	-.00022	-.00013	.0004
#1	.0150	-.0004	.0049	-.00015	-.00008	.0013
#2	.0182	.0024	-.0108	-.00030	-.00019	-.0005
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0011	.0008	.0000	.0011	.0002
#1	.0004	-.0037	.0007	.0002	.0032	.0005
#2	.0004	.0015	.0010	-.0002	-.0011	-.0002
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0069	.00034	.00018	.0013	.0000	.0091
#1	.0009	.00031	.00015	.0023	-.0005	-.0076
#2	-.0146	.00038	.00021	.0002	.0005	.0258
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0119	-.0018	.0025	.0026	-.0060	-.0008
#1	.0112	-.0028	.0017	.0059	-.0057	-.0007
#2	.0126	-.0008	.0033	-.0008	-.0062	-.0008
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	.0027	.00021	.0106	-.00054	-.00009
#1	.0100	.0040	-.00205	.0188	-.00061	-.00004
#2	-.0016	.0014	.00247	.0024	-.00046	-.00014
Int. Std.	Sc3572					
Units	Cts/S					
Avg	179.69					
#1	179.74					
#2	179.65					

Method: 2010A Sample Name: RB Operator: JC
 Comment: (205168) (061710B)
 Run Time: 06/17/10 15:28 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135	.0099	-.0010	.00063	-.00009	.0013
#1	.0072	.0005	-.0023	.00135	.00002	.0021
#2	.0198	.0193	.0003	-.00009	-.00020	.0005
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0026	.0016	-.0006	.0040	.0012
#1	-.0001	.0006	.0005	-.0012	.0060	.0015
#2	.0000	.0045	.0027	-.0001	.0020	.0009
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0029	.00015	.00022	.0005	.0002	.0063
#1	-.0027	.00008	.00035	.0021	-.0006	-.0127
#2	-.0031	.00022	.00010	-.0012	.0009	.0254
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0098	-.0002	-.0018	-.0022	-.0035	.0000
#1	-.0084	-.0025	-.0004	-.0036	-.0044	.0003
#2	-.0112	.0022	-.0033	-.0007	-.0025	-.0003
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088	.0022	.00067	.0013	-.00043	-.00007
#1	.0140	.0038	.00169	.0096	-.00028	-.00006
#2	.0036	.0007	-.00035	-.0071	-.00057	-.00007
Int. Std.	Sc3572					
Units	Cts/S					
Avg	177.42					
#1	177.55					
#2	177.29					

Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 06/17/10 15:31 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.069	.0173	.0049	2.5394	.05153	-.0084
Stddev	.011	.0040	.0037	.0064	.00019	.0005
%RSD	.2163	23.27	76.69	.25198	.36056	5.971
#1	5.061	.0202	.0022	2.5349	.05166	-.0087
#2	5.077	.0145	.0075	2.5439	.05140	-.0080
Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	26.41	.0044	-.0019	-.0022	25.78
Stddev	.0002	.18	.0017	.0007	.0010	.02
%RSD	30.02	.6825	39.30	36.65	43.75	.0711
#1	.0008	26.28	.0056	-.0014	-.0028	25.77
#2	.0005	26.54	.0032	-.0023	-.0015	25.79
Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%
Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0113	25.60	5.128	.0020	-.0012	10.03
Stddev	.0109	.18	.013	.0021	.0012	.03
%RSD	95.85	.7117	.2465	102.5	97.55	.3036
#1	-.0036	25.47	5.137	.0035	-.0021	10.01
#2	-.0190	25.73	5.119	.0006	-.0004	10.05
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0096	.0035	9.773	-.0015	-.0001	.0008
Stddev	.0348	.0024	.017	.0066	.0005	.0006
%RSD	364.7	67.34	.1743	428.9	715.5	68.56
#1	.0342	.0052	9.761	.0031	.0003	.0012
#2	-.0151	.0018	9.785	-.0062	-.0004	.0004
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 06/17/10 15:31

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.40	2.559	-.00151	.0057	.50404	.51620
Stddev	.01	.000	.00034	.0130	.00388	.00071
%RSD	.1186	.0119	22.288	227.6	.76990	.13788
#1	10.40	2.559	-.00175	.0149	.50130	.51570
#2	10.39	2.559	-.00127	-.0035	.50679	.51671
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%
Int. Std.	Sc3572					
Units	Cts/S					
Avg	177.94					
Stddev	.43					
%RSD	.23951					
#1	177.64					
#2	178.24					

Method: 2010A Sample Name: CCVA

Operator:

Comment:

Run Time: 06/17/10 15:34 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5008	2.467	2.487	.46776	.54643	.5001
Stddev	.0033	.001	.039	.00009	.00153	.0008
%RSD	.6567	.0249	1.572	.01962	.28043	.1611
#1	.4985	2.467	2.460	.46769	.54751	.4995
#2	.5032	2.468	2.515	.46782	.54535	.5006
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5080	2.517	.5061	.5087	.5020	.5215
Stddev	.0010	.003	.0029	.0040	.0032	.0188
%RSD	.2011	.1326	.5796	.7766	.6471	3.610
#1	.5073	2.514	.5040	.5060	.4997	.5348
#2	.5087	2.519	.5082	.5115	.5043	.5082
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.511	2.0047	1.0048	.9961	.5055	4.935
Stddev	.009	.0062	.0049	.0179	.0004	.017
%RSD	.3711	.30833	.48662	1.794	.0701	.3510
#1	2.504	2.0004	1.0083	.9834	.5052	4.947
#2	2.517	2.0091	1.0014	1.009	.5058	4.922
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.475	.5021	.4788	2.478	.4997	.5041
Stddev	.008	.0014	.0042	.023	.0002	.0046
%RSD	.3076	.2803	.8744	.9154	.0480	.9074
#1	2.469	.5031	.4818	2.462	.4996	.5009
#2	2.480	.5011	.4758	2.494	.4999	.5073
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 06/17/10 15:37 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0127	.0288	.0016	.00026	-.00006	.0014
Stddev	.0078	.0120	.0148	.00044	.00003	.0000
%RSD	61.53	41.71	898.8	170.70	53.665	3.323
#1	.0072	.0374	-.0088	.00057	-.00004	.0015
#2	.0182	.0203	.0121	-.00005	-.00008	.0014
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000	.0000
Range	±.0500	±.0500	±.1000	±.00500	±.00500	±.0500
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0032	-.0012	-.0005	.0012	.0028
Stddev	.0007	.0116	.0020	.0009	.0024	.0009
%RSD	4293.	358.6	166.8	170.8	196.5	32.73
#1	.0005	-.0050	-.0026	.0001	.0030	.0035
#2	-.0005	.0115	.0002	-.0012	-.0005	.0022
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.0050	±.0500	±.0050	±.0100	±.0100	±.0200
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0042	.00060	.00123	.0067	.0009	.0032
Stddev	.0028	.00007	.00025	.0020	.0008	.0307
%RSD	65.52	12.195	20.471	29.60	88.49	946.1
#1	-.0023	.00066	.00141	.0081	.0004	.0250
#2	-.0061	.00055	.00105	.0053	.0015	-.0185
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.00000	.0000	.0000	.0000
Range	±.0500	±.02000	±.00500	±.0100	±.0200	±.4000
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035	.0007	-.0032	.0031	-.0024	-.0007
Stddev	.0050	.0045	.0014	.0114	.0035	.0010
%RSD	141.9	667.5	44.84	372.6	147.4	146.1
#1	.0000	.0038	-.0042	.0112	.0001	-.0015
#2	.0070	-.0025	-.0022	-.0050	-.0048	.0000
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.1000	±.0100	±.2000	±.0500	±.0100	±.0100

Sample Name: CCB Run Time: 06/17/10 15:37

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060	.0000	-.00079	.0328	-.00013	.00019
Stddev	.0055	.0017	.00168	.0013	.00014	.00002
%RSD	91.27	18900.	213.18	3.950	108.81	8.9361
#1	.0100	-.0012	.00040	.0319	-.00023	.00018
#2	.0021	.0012	-.00197	.0337	-.00003	.00020
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.2000	±.01000	±.2000	±.01000	±.01000
Int. Std.	Sc3572					
Units	Cts/S					
Avg	176.39					
Stddev	.30					
%RSD	.17195					
#1	176.18					
#2	176.61					

Method: 2010A Sample Name: K1005244-MB Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 15:40 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0307	.0108	.0069	.00012	-.00010	.0026
#1	.0135	.0137	.0056	.00021	-.00008	.0024
#2	.0480	.0080	.0082	.00002	-.00011	.0028
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0022	.0022	-.0003	.0013	.0044
#1	.0003	.0028	.0023	.0005	-.0003	.0052
#2	-.0004	.0015	.0021	-.0011	.0030	.0036
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0021	.00082	.00025	.0021	.0010	.0011
#1	.0065	.00085	.00035	.0010	.0008	.0103
#2	-.0107	.00079	.00015	.0032	.0012	-.0081
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0119	.0008	.0157	.0147	-.0026	-.0002
#1	-.0098	-.0012	.0153	.0154	.0009	-.0004
#2	.0337	.0028	.0162	.0139	-.0061	.0000
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0214	.0080	.00099	.0141	-.00017	.00007
#1	.0241	.0065	.00291	.0132	.00001	.00010
#2	.0187	.0094	-.00094	.0151	-.00035	.00003
Int. Std.	Sc3572					
Units	Cts/S					
Avg	174.46					
#1	173.98					
#2	174.95					

Method: 2010A Sample Name: LCSS Operator: JC
 Comment: 1/2 K1005244 (205168) (061710B)
 Run Time: 06/17/10 15:45 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.27	.4354	.4792	2.3926	.33737	.5297
#1	41.18	.4345	.4725	2.3861	.33722	.5290
#2	41.36	.4364	.4858	2.3992	.33753	.5303
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5225	54.33	.8387	1.116	1.321	91.15
#1	.5190	54.20	.8342	1.109	1.329	90.48
#2	.5260	54.45	.8433	1.124	1.313	91.81
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5586	20.52	2.7811	.3564	1.151	21.11
#1	.5513	20.46	2.7678	.3535	1.142	21.17
#2	.5658	20.59	2.7943	.3593	1.160	21.05
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.075	.4288	3.590	.7869	1.001	1.616
#1	1.083	.4278	3.586	.7735	.9965	1.600
#2	1.068	.4298	3.594	.8003	1.005	1.632
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.926	7.687	2.3605	1.305	.04634	.73558
#1	4.931	7.662	2.3614	1.274	.04606	.73500
#2	4.920	7.713	2.3597	1.335	.04661	.73617
Int. Std.	Sc3572					
Units	Cts/S					
Avg	176.30					
#1	176.91					
#2	175.68					

Method: 2010A Sample Name: K1005244-001 Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 15:48 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	878.4	.0361	-.0040	.06163	.00480	.8018
#1	882.3	.0362	-.0046	.06231	.00483	.8034
#2	874.5	.0361	-.0033	.06094	.00478	.8001
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	75.06	1.416	.0258	9.091	6.618
#1	.0007	74.83	1.418	.0257	9.095	6.670
#2	.0009	75.28	1.413	.0259	9.087	6.566
Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0432	117.5	3.065	.0156	.7990	.7162
#1	.0409	117.4	3.080	.0172	.8027	.7221
#2	.0455	117.6	3.050	.0141	.7953	.7103
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0145	.0002	.7691	.0355	.5601	35.85
#1	.0387	-.0028	.7744	.0355	.5629	35.76
#2	-.0096	.0032	.7637	.0355	.5574	35.94
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.6136	2.875	1.6605	-.0210	.06180	.52223
#1	-.6228	2.866	1.6619	-.0084	.06209	.52305
#2	-.6043	2.884	1.6591	-.0336	.06150	.52141
Int. Std.	Sc3572					
Units	Cts/S					
Avg	167.40					
#1	166.85					
#2	167.95					

Method: 2010A Sample Name: K1005244-001D Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 15:51 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	811.3	.0473	.0073	.05522	.00636	.8592
#1	810.9	.0578	.0110	.05544	.00646	.8580
#2	811.6	.0369	.0037	.05501	.00626	.8604
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	112.9	1.198	.0337	7.566	6.428
#1	.0008	112.3	1.198	.0349	7.604	6.444
#2	.0018	113.6	1.198	.0326	7.528	6.411
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0420	187.8	2.7818	.0184	1.013	.7058
#1	.0513	188.1	2.7869	.0216	1.011	.7261
#2	.0328	187.5	2.7767	.0152	1.015	.6855
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0288	-.0003	.6714	.0235	.7827	30.25
#1	.0344	.0011	.6790	.0201	.7860	30.29
#2	.0232	-.0018	.6638	.0270	.7795	30.22
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.4088	2.926	1.7214	-.0416	.07114	.49462
#1	-.4070	2.924	1.7354	-.0497	.07161	.49970
#2	-.4105	2.929	1.7074	-.0336	.07068	.48955
Int. Std.	Sc3572					
Units	Cts/S					
Avg	166.61					
#1	166.16					
#2	167.07					

Method: 2010A Sample Name: K1005244-001L Operator: JC
 Comment: 1/10 (205168) (061710B)
 Run Time: 06/17/10 15:54 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	176.8	.0121	.0012	.01222	.00087	.1658
#1	175.9	.0003	.0019	.01204	.00076	.1677
#2	177.6	.0239	.0006	.01241	.00098	.1640
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	15.81	.2775	.0047	1.821	1.242
#1	.0002	15.70	.2768	.0059	1.825	1.239
#2	.0009	15.91	.2782	.0035	1.818	1.246
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	23.83	.56300	.0020	.1572	.1438
#1	-.0055	23.80	.56116	.0021	.1561	.1312
#2	.0118	23.87	.56484	.0019	.1583	.1564
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0200	-.0026	.1634	.0055	.0997	7.142
#1	.0319	-.0051	.1602	.0079	.1009	7.140
#2	.0081	-.0001	.1666	.0032	.0984	7.145
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.1093	.5896	.30571	-.0032	.01198	.09577
#1	-.1228	.5865	.30323	.0033	.01211	.09564
#2	-.0959	.5926	.30819	-.0096	.01186	.09589
Int. Std.	Sc3572					
Units	Cts/S					
Avg	178.94					
#1	179.13					
#2	178.74					

Method: 2010A Sample Name: K1005244-001S Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 15:57 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	866.1	.5377	.5212	2.3001	.06023	1.301
#1	860.4	.5372	.5163	2.2964	.06042	1.297
#2	871.8	.5382	.5261	2.3038	.06004	1.306
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0558	87.00	1.478	.5635	7.919	7.126
#1	.0559	86.32	1.474	.5621	7.941	7.113
#2	.0556	87.68	1.482	.5649	7.897	7.138
Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5913	117.3	3.559	.5634	1.308	5.797
#1	.5897	117.4	3.580	.5577	1.307	5.851
#2	.5929	117.1	3.537	.5692	1.308	5.742
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5111	.0488	5.899	.0242	1.161	28.32
#1	.4868	.0512	5.950	.0261	1.162	28.23
#2	.5354	.0464	5.849	.0224	1.160	28.41
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.4343	3.137	1.7191	.5218	.06424	.51495
#1	-.4433	3.125	1.7202	.5152	.06392	.52230
#2	-.4252	3.149	1.7180	.5283	.06456	.50761
Int. Std.	Sc3572					
Units	Cts/S					
Avg	167.02					
#1	166.58					
#2	167.46					

Method: 2010A Sample Name: K1005244-002 Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 16:00 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	336.0	.0293	.0073	.02957	.00078	.1676
#1	333.6	.0317	.0155	.02954	.00079	.1677
#2	338.5	.0269	-.0009	.02960	.00076	.1675
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	5.266	.2902	.0031	1.424	4.932
#1	.0013	5.264	.2905	.0020	1.423	4.937
#2	.0002	5.268	.2899	.0042	1.425	4.927
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0211	53.84	1.7705	.0107	.0297	>450.0
#1	.0202	53.78	1.7614	.0140	.0287	>450.0
#2	.0220	53.90	1.7797	.0074	.0308	>450.0
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0163	.0026	>180.0	.0202	.1385	1.966
#1	.0077	.0028	>180.0	.0143	.1395	1.956
#2	.0248	.0024	>180.0	.0260	.1376	1.977
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0123	2.244	.52427	-.0077	.09410	.18166
#1	-.0034	2.239	.52657	-.0116	.09379	.18202
#2	.0279	2.250	.52196	-.0038	.09441	.18130
Int. Std.	Sc3572					
Units	Cts/S					
Avg	169.01					
#1	168.80					
#2	169.23					

** See Dilution
 32 6/17/10*

Method: 2010A Sample Name: K1005244-004 Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 16:03 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	387.1	.0251	-.0016	.02845	.00127	.3136
#1	386.5	.0191	.0086	.02855	.00126	.3124
#2	387.6	.0312	-.0118	.02834	.00129	.3148
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	13.35	.3407	.0030	1.718	2.832
#1	.0012	13.27	.3394	.0029	1.720	2.867
#2	.0016	13.43	.3421	.0032	1.717	2.798
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0146	74.48	1.8896	.0076	.0579	>450.0
#1	.0023	74.24	1.8825	.0095	.0575	>450.0
#2	.0269	74.73	1.8968	.0057	.0582	>450.0
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135	.0050	>180.0	.0156	.2481	3.108
#1	.0163	.0031	>180.0	.0156	.2504	3.098
#2	.0108	.0068	>180.0	.0155	.2457	3.118
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0905	1.911	1.3847	-.0269	.09180	.26024
#1	-.1021	1.905	1.3885	-.0279	.09155	.25965
#2	-.0789	1.918	1.3809	-.0258	.09206	.26084
Int. Std.	Sc3572					
Units	Cts/S					
Avg	170.51					
#1	170.47					
#2	170.55					

** See Dilution
 3C
 6/17/10*

Method: 2010A Sample Name: RB
 Comment: (205168) (061710B)
 Run Time: 06/17/10 16:06 Type: Unk

Operator: JC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1008	.0085	.0046	-.00030	-.00007	.0017
#1	.1583	.0146	.0049	-.00024	-.00005	.0021
#2	.0434	.0024	.0043	-.00037	-.00008	.0013
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0058	.0004	.0000	.0019	.0044
#1	.0003	.0054	.0001	-.0003	.0045	.0059
#2	-.0004	.0063	.0007	.0003	-.0007	.0029
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0068	.00349	.00043	-.0005	.0018	.0810
#1	-.0047	.00353	.00065	-.0012	.0009	.0652
#2	-.0089	.00344	.00021	.0002	.0026	.0968
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035	-.0035	.0578	-.0040	-.0040	-.0006
#1	-.0014	-.0035	.0458	-.0035	-.0051	-.0009
#2	.0084	-.0035	.0698	-.0046	-.0029	-.0003
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043	.0041	-.00073	.0069	-.00002	-.00004
#1	.0151	.0046	-.00083	.0005	.00036	.00001
#2	-.0066	.0036	-.00062	.0133	-.00041	-.00009
Int. Std.	Sc3572					
Units	Cts/S					
Avg	178.94					
#1	179.04					
#2	178.84					

Method: 2010A Sample Name: K1005157-MB Operator: JC
 Comment: (205168) (061710B)
 Run Time: 06/17/10 16:09 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0278	.0033	.0036	.00000	-.00007	.0009
#1	.0562	-.0014	.0023	-.00026	-.00015	.0012
#2	-.0007	.0080	.0049	.00027	.00001	.0005
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0013	.0016	-.0003	.0000	-.0002
#1	-.0002	.0045	.0025	-.0004	-.0009	.0000
#2	.0008	-.0019	.0007	-.0003	.0009	-.0005
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0040	.00018	.00008	-.0013	.0011	.0136
#1	-.0019	.00018	-.00001	-.0011	.0005	.0264
#2	-.0062	.00017	.00017	-.0015	.0016	.0009
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	-.0035	.0072	.0008	-.0037	-.0010
#1	.0042	-.0012	.0079	-.0054	-.0035	-.0011
#2	-.0056	-.0058	.0065	.0069	-.0039	-.0009
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0031	.0047	.00178	-.0006	-.00085	.00000
#1	.0217	.0061	.00201	.0114	-.00053	-.00005
#2	-.0278	.0033	.00155	-.0127	-.00116	.00005
Int. Std.	Sc3572					
Units	Cts/S					
Avg	176.98					
#1	176.74					
#2	177.21					

Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 06/17/10 16:12 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.039	.0243	.0107	2.4692	.05051	-.0075
Stddev	.040	.0060	.0093	.0250	.00049	.0001
%RSD	.8000	24.57	86.60	1.0119	.97273	1.992
#1	5.010	.0201	.0172	2.4515	.05016	-.0076
#2	5.067	.0286	.0041	2.4868	.05085	-.0074
Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	26.07	.0036	-.0013	-.0025	25.26
Stddev	.0004	.32	.0012	.0002	.0005	.24
%RSD	39.65	1.211	33.28	16.92	22.14	.9501
#1	.0007	25.84	.0028	-.0011	-.0029	25.09
#2	.0012	26.29	.0045	-.0014	-.0021	25.43
Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%
Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0051	25.26	5.010	-.0003	-.0018	9.898
Stddev	.0057	.00	.060	.0013	.0007	.018
%RSD	110.8	.0145	1.196	431.1	37.06	.1786
#1	-.0092	25.26	4.968	.0006	-.0022	9.885
#2	-.0011	25.26	5.053	-.0012	-.0013	9.910
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081	.0028	9.637	.0024	-.0020	.0001
Stddev	.0070	.0042	.076	.0123	.0008	.0000
%RSD	85.68	149.8	.7884	513.9	40.29	30.78
#1	.0130	.0058	9.583	-.0063	-.0014	.0001
#2	.0032	-.0002	9.691	.0111	-.0026	.0002
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 06/17/10 16:12

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.26	2.538	.00045	-.0142	.50117	.50353
Stddev	.01	.002	.00137	.0023	.00098	.00299
%RSD	.1385	.0591	302.99	16.41	.19562	.59351
#1	10.25	2.537	.00142	-.0159	.50187	.50142
#2	10.27	2.539	-.00052	-.0126	.50048	.50564
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%
Int. Std.	Sc3572					
Units	Cts/S					
Avg	180.36					
Stddev	1.31					
%RSD	.72649					
#1	181.28					
#2	179.43					

Method: 2010A Sample Name: CCVA

Operator:

Comment:

Run Time: 06/17/10 16:15 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4953	2.490	2.500	.46862	.54376	.5034
Stddev	.0045	.006	.027	.00074	.00127	.0024
%RSD	.9065	.2249	1.097	.15769	.23407	.4686
#1	.4921	2.486	2.481	.46809	.54286	.5017
#2	.4985	2.494	2.520	.46914	.54466	.5050
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5087	2.499	.5050	.5082	.5049	.5188
Stddev	.0011	.015	.0025	.0059	.0013	.0160
%RSD	.2196	.6216	.4949	1.160	.2656	3.075
#1	.5079	2.488	.5067	.5040	.5039	.5301
#2	.5095	2.510	.5032	.5124	.5058	.5076
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.495	2.0066	1.0118	.9986	.5033	4.937
Stddev	.034	.0013	.0040	.0113	.0012	.033
%RSD	1.350	.06428	.38992	1.133	.2319	.6663
#1	2.472	2.0057	1.0090	.9906	.5024	4.913
#2	2.519	2.0075	1.0146	1.007	.5041	4.960
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.506	.4976	.4774	2.462	.4995	.5030
Stddev	.017	.0082	.0014	.030	.0016	.0035
%RSD	.6768	1.654	.2848	1.218	.3207	.6938
#1	2.494	.4918	.4765	2.441	.5006	.5006
#2	2.518	.5034	.4784	2.483	.4983	.5055
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Sample Name: CCVA Run Time: 06/17/10 16:15

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0357	.2609	.50085	4.961	.00029	.00140
Stddev	.0001	.0021	.00718	.107	.00089	.00002
%RSD	.2019	.7928	1.4337	2.166	309.57	1.7681
#1	-.0357	.2623	.49578	4.885	-.00034	.00141
#2	-.0356	.2594	.50593	5.037	.00091	.00138
Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			10.000%	10.00%		
Int. Std.	Sc3572					
Units	Cts/S					
Avg	179.95					
Stddev	.14					
%RSD	.07952					
#1	180.05					
#2	179.85					

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 06/17/10 16:18 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0132	.0143	.0027	.00064	.00001
Stddev	.0111	.0008	.0005	.00021	.00006
%RSD	84.29	5.329	17.49	32.521	389.32

#1	-.0211	.0148	.0030	.00079	.00005
#2	-.0053	.0138	.0023	.00050	-.00003

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0500	±.0500	±.1000	±.00500	±.00500

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0002	.0084	.0003	.0002
Stddev	.0010	.0003	.0067	.0006	.0002
%RSD	79.71	138.8	79.80	211.9	102.8

#1	.0019	.0000	.0037	-.0001	.0001
#2	.0005	.0004	.0132	.0007	.0003

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0500	±.0050	±.0500	±.0050	±.0100

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0050	.0034	-.0053	.00105	.00149
Stddev	.0061	.0000	.0016	.00003	.00043
%RSD	122.5	.9668	29.72	2.7146	28.682

#1	.0093	.0034	-.0064	.00107	.00179
#2	.0007	.0034	-.0042	.00103	.00118

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0100	±.0200	±.0500	±.02000	±.00500

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0073	.0005	.0289	-.0014	.0027
Stddev	.0047	.0010	.0117	.0060	.0012
%RSD	63.75	211.3	40.36	416.5	44.01

#1	.0106	.0012	.0207	.0028	.0018
#2	.0040	-.0002	.0372	-.0056	.0035

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0100	±.0200	±.4000	±.1000	±.0100

Sample Name: CCB Run Time: 06/17/10 16:18

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0026	.0051	-.0019	.0002	.0098
Stddev	.0019	.0112	.0011	.0001	.0054
%RSD	70.90	219.8	57.35	55.29	54.59

#1	.0040	.0130	-.0012	.0001	.0136
#2	.0013	-.0028	-.0027	.0003	.0060

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.2000	±.0500	±.0100	±.0100	±.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.00004	.0123	-.00042	.00013
Stddev	.0007	.00086	.0066	.00033	.00005
%RSD	46.95	2357.2	53.71	77.519	35.366

#1	.0011	-.00057	.0169	-.00065	.00016
#2	.0021	.00065	.0076	-.00019	.00010

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.01000	±.2000	±.01000	±.01000

Int. Std.	Sc3572
Units	Cts/S
Avg	174.89
Stddev	1.36
%RSD	.77634

#1	173.93
#2	175.85

Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 06/17/10 16:21 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.004	.0216	-.0083	2.5345	.05161	-.0072
Stddev	.013	.0020	.0009	.0104	.00009	.0005
%RSD	.2641	9.357	10.83	.41130	.17897	7.407
#1	5.013	.0202	-.0077	2.5271	.05168	-.0076
#2	4.995	.0230	-.0089	2.5419	.05155	-.0069

Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	26.01	.0032	-.0020	-.0001	25.66
Stddev	.0002	.09	.0005	.0001	.0001	.20
%RSD	17.99	.3480	13.98	4.230	214.1	.7691
#1	.0014	25.95	.0029	-.0019	-.0002	25.52
#2	.0011	26.08	.0036	-.0020	.0000	25.80

Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	25.29	5.100	.0029	-.0008	9.927
Stddev	.0076	.09	.007	.0011	.0011	.035
%RSD	820.2	.3487	.1419	38.19	133.1	.3514
#1	.0045	25.22	5.094	.0021	.0000	9.902
#2	-.0063	25.35	5.105	.0037	-.0016	9.951

Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0152	.0015	9.812	-.0080	-.0018	.0011
Stddev	.0030	.0028	.005	.0006	.0000	.0007
%RSD	19.75	188.5	.0547	6.929	2.345	62.49
#1	.0131	-.0005	9.816	-.0084	-.0018	.0017
#2	.0173	.0035	9.808	-.0076	-.0019	.0006

Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 06/17/10 16:21

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.29	2.533	.00004	-.0056	.50354	.51526
Stddev	.06	.010	.00110	.0211	.00175	.00047
%RSD	.5715	.3858	2552.7	377.3	.34851	.09025
#1	10.25	2.526	.00082	-.0205	.50478	.51494
#2	10.33	2.540	-.00073	.0093	.50230	.51559
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%
Int. Std.	Sc3572					
Units	Cts/S					
Avg	177.18					
Stddev	.12					
%RSD	.06901					
#1	177.09					
#2	177.26					

Method: 2010A Sample Name: CCVA

Operator:

Comment:

Run Time: 06/17/10 16:24 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4843	2.479	2.536	.47097	.54366	.5026
Stddev	.0157	.045	.029	.00281	.00045	.0027
%RSD	3.247	1.832	1.149	.59763	.08256	.5305
#1	.4732	2.447	2.515	.46898	.54397	.5007
#2	.4954	2.511	2.556	.47296	.54334	.5045
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5122	2.494	.5072	.5089	.5055	.5264
Stddev	.0020	.009	.0014	.0028	.0029	.0172
%RSD	.3913	.3423	.2700	.5599	.5654	3.268
#1	.5107	2.488	.5063	.5069	.5076	.5386
#2	.5136	2.500	.5082	.5110	.5035	.5142
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.500	2.0155	1.0149	1.006	.5068	4.898
Stddev	.001	.0060	.0040	.020	.0002	.021
%RSD	.0454	.29654	.39810	1.962	.0438	.4190
#1	2.501	2.0113	1.0121	.9920	.5070	4.883
#2	2.499	2.0197	1.0178	1.020	.5067	4.912
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.518	.4961	.4753	2.465	.4944	.5060
Stddev	.005	.0024	.0003	.019	.0038	.0023
%RSD	.1842	.4739	.0527	.7922	.7681	.4629
#1	2.521	.4978	.4751	2.451	.4918	.5043
#2	2.515	.4944	.4755	2.479	.4971	.5077
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Sample Name: CCVA Run Time: 06/17/10 16:24

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0297	.2612	.50329	5.008	-.00077	.00142
Stddev	.0144	.0050	.00352	.080	.00028	.00001
%RSD	48.40	1.930	.69986	1.605	36.074	.51484
#1	-.0399	.2648	.50080	4.951	-.00057	.00142
#2	-.0195	.2576	.50578	5.064	-.00096	.00143
Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			10.000%	10.00%		
Int. Std.	Sc3572					
Units	Cts/S					
Avg	180.96					
Stddev	.28					
%RSD	.15566					
#1	180.76					
#2	181.16					

Method: 2010A Sample Name: CCB

Operator:

Comment:

Run Time: 06/17/10 16:26 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	.0223	.0017	.00031	-.00002	.0012
Stddev	.0144	.0028	.0083	.00057	.00006	.0005
%RSD	297.2	12.42	502.2	182.79	253.60	38.46

#1	-.0054	.0243	-.0042	.00071	.00002	.0015
#2	.0151	.0203	.0076	-.00009	-.00006	.0009

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000	.0000
Range	±.0500	±.0500	±.1000	±.00500	±.00500	±.0500

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0007	.0001	.0000	.0003	.0043
Stddev	.0009	.0006	.0003	.0005	.0008	.0008
%RSD	178.7	93.26	187.7	1758.	286.1	17.57

#1	.0011	-.0011	.0003	.0004	-.0003	.0049
#2	-.0001	-.0002	.0000	-.0004	.0009	.0038

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.0050	±.0500	±.0050	±.0100	±.0100	±.0200

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0019	.00150	.00140	.0077	.0011	.0008
Stddev	.0049	.00020	.00032	.0049	.0004	.0191
%RSD	260.7	13.201	22.593	64.31	32.00	2503.

#1	.0016	.00164	.00163	.0112	.0009	-.0127
#2	-.0053	.00136	.00118	.0042	.0014	.0142

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.00000	.0000	.0000	.0000
Range	±.0500	±.02000	±.00500	±.0100	±.0200	±.4000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070	.0022	-.0017	-.0017	-.0017	-.0004
Stddev	.0040	.0028	.0052	.0085	.0032	.0002
%RSD	56.63	130.4	316.3	486.3	194.6	66.77

#1	.0098	.0042	.0021	.0043	.0006	-.0002
#2	.0042	.0002	-.0054	-.0077	-.0039	-.0005

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.1000	±.0100	±.2000	±.0500	±.0100	±.0100

Sample Name: CCB Run Time: 06/17/10 16:26

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104	.0011	.00037	.0207	.00060	.00016
Stddev	.0302	.0016	.00156	.0000	.00013	.00003
%RSD	291.7	146.2	424.83	.0213	21.183	22.137
#1	-.0110	.0000	.00147	.0207	.00051	.00013
#2	.0318	.0022	-.00074	.0207	.00069	.00018
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.2000	±.01000	±.2000	±.01000	±.01000
Int. Std.	Sc3572					
Units	Cts/S					
Avg	176.39					
Stddev	.36					
%RSD	.20687					
#1	176.65					
#2	176.13					

Method: 2010A Sample Name: LCSW Operator: JC
 Comment: K1006157 (205168) (061710B)
 Run Time: 06/17/10 16:29 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.073	2.546	2.643	5.2804	.12855	.0020
#1	5.022	2.513	2.616	5.2645	.12841	.0024
#2	5.123	2.579	2.669	5.2964	.12869	.0015
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.298	23.64	.5276	1.291	.6337	2.517
#1	1.293	23.46	.5283	1.285	.6329	2.508
#2	1.303	23.83	.5269	1.297	.6345	2.527
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.574	22.86	1.2837	.0024	1.274	22.41
#1	2.551	22.77	1.2788	.0022	1.269	22.41
#2	2.598	22.95	1.2886	.0025	1.280	22.41
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.595	.6364	22.18	.0059	1.270	1.297
#1	2.596	.6330	22.21	.0010	1.274	1.289
#2	2.595	.6397	22.14	.0108	1.265	1.306
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0302	.0126	-.00072	2.508	.00004	.00957
#1	-.0463	.0118	.00006	2.515	-.00032	.00951
#2	-.0142	.0134	-.00149	2.501	.00039	.00962
Int. Std.	Sc3572					
Units	Cts/S					
Avg	179.49					
#1	179.32					
#2	179.66					

Method: 2010A Sample Name: LCSWD Operator: JC
 Comment: K1006157 (205168) (061710B)
 Run Time: 06/17/10 16:32 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.066	2.523	2.594	5.2379	.12639	.0013
#1	5.036	2.523	2.582	5.2310	.12630	.0019
#2	5.096	2.523	2.606	5.2447	.12649	.0007
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.271	23.31	.5181	1.270	.6268	2.467
#1	1.267	23.25	.5186	1.266	.6298	2.467
#2	1.276	23.37	.5176	1.275	.6239	2.467
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.512	22.72	1.2430	.0014	1.252	22.24
#1	2.498	22.57	1.2428	.0014	1.250	22.22
#2	2.526	22.86	1.2432	.0014	1.255	22.26
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.601	.6241	21.98	-.0035	1.243	1.268
#1	2.590	.6214	22.02	-.0024	1.239	1.263
#2	2.613	.6268	21.94	-.0045	1.247	1.274
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0431	.0095	.00001	2.484	.00089	.00941
#1	-.0303	.0099	.00009	2.501	.00135	.00956
#2	-.0559	.0092	-.00007	2.468	.00044	.00926
Int. Std.	Sc3572					
Units	Cts/S					
Avg	180.81					
#1	180.32					
#2	181.30					

Method: 2010A Sample Name: K1006157-001 Operator: JC
 Comment: (205168) (061710B)
 Run Time: 06/17/10 16:35 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.219	.0306	.0093	3.5473	-.11739	-.0060
#1	3.235	.0391	.0126	3.5521	-.11684	-.0052
#2	3.203	.0221	.0060	3.5425	-.11795	-.0067
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	14.28	-.0018	.1052	.0418	2.588
#1	.0004	14.24	-.0024	.1057	.0405	2.595
#2	-.0009	14.32	-.0012	.1047	.0431	2.582
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0357	1.2379	.02676	.0467	.0829	5.805
#1	.0458	1.2384	.02693	.0472	.0832	5.796
#2	.0256	1.2374	.02659	.0461	.0826	5.815
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0160	.0031	2.324	.0155	>90.00	3.876
#1	.0125	.0014	2.327	.0143	>90.00	3.885
#2	.0195	.0047	2.322	.0168	>90.00	3.867
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1203	.5414	.15474	.1910	.01053	.02895
#1	.1245	.5468	.15569	.1887	.01011	.02888
#2	.1161	.5360	.15379	.1933	.01095	.02902
Int. Std.	Sc3572					
Units	Cts/S					
Avg	184.47					
#1	184.06					
#2	184.87					

Method: 2010A Sample Name: RB Operator: JC
 Comment: (205168) (061710B)
 Run Time: 06/17/10 16:38 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064	.0207	-.0020	.00142	-.00010	.0000
#1	.0056	.0306	-.0023	.00213	-.00008	-.0008
#2	.0071	.0108	-.0016	.00071	-.00012	.0008
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0028	.0015	.0004	-.0021	.0038
#1	-.0007	-.0015	.0031	.0003	-.0022	.0063
#2	.0001	.0071	-.0001	.0005	-.0020	.0013
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0060	.00012	.00021	.0017	.0003	.0026
#1	-.0127	.00016	.00026	.0022	.0008	.0027
#2	.0007	.00007	.00016	.0012	-.0003	.0024
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	-.0015	.0014	-.0019	.0029	.0007
#1	-.0014	.0002	.0010	-.0022	.0042	.0021
#2	.0042	-.0032	.0017	-.0016	.0016	-.0007
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052	.0006	-.00040	.0151	-.00035	-.00002
#1	-.0036	.0007	-.00075	.0170	.00000	-.00002
#2	.0140	.0005	-.00004	.0133	-.00070	-.00001
Int. Std.	Sc3572					
Units	Cts/S					
Avg	178.15					
#1	178.52					
#2	177.79					

Method: 2010A		Sample Name: K1006157-MB			Operator: JC	
Comment: 1/2		(205168) (061710B)				
Run Time: 06/17/10		16:41	Type: Unk	Mode: CONC	Corr.Fact: 1.000000	
Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	
Units	ppm	ppm	ppm	ppm	ppm	
Avg	-.0086	.0146	.0072	.00015	-.00016	
#1	-.0291	.0061	-.0016	.00006	-.00016	
#2	.0119	.0231	.0161	.00024	-.00015	
Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286	
Units	ppm	ppm	ppm	ppm	ppm	
Avg	.0019	-.0001	.0097	.0014	.0001	
#1	.0021	.0000	.0080	.0013	-.0002	
#2	.0017	-.0001	.0115	.0015	.0005	
Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576	
Units	ppm	ppm	ppm	ppm	ppm	
Avg	.0013	.0023	-.0074	.00055	.00007	
#1	.0011	.0027	-.0092	.00051	.00004	
#2	.0016	.0020	-.0057	.00058	.00010	
Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280	
Units	ppm	ppm	ppm	ppm	ppm	
Avg	.0010	.0000	.0124	.0112	.0007	
#1	-.0006	-.0008	.0135	.0070	.0012	
#2	.0027	.0008	.0113	.0154	.0002	
Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149	
Units	ppm	ppm	ppm	ppm	ppm	
Avg	.0089	.0197	-.0003	-.0005	.0177	
#1	.0112	.0173	.0009	-.0005	.0305	
#2	.0066	.0221	-.0016	-.0005	.0048	
Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	
Units	ppm	ppm	ppm	ppm	ppm	
Avg	.0081	-.00107	.0066	-.00073	.00001	
#1	.0092	-.00009	.0038	-.00027	.00004	
#2	.0070	-.00205	.0095	-.00118	-.00002	
Int. Std.	Sc3572					
Units	Cts/S					
Avg	175.16					
#1	174.48					
#2	175.85					

Method: 2010A Sample Name: Wipe Operator: JC
 Comment: 1/2 K1006157 (205168) (061710B)
 Run Time: 06/17/10 16:44 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095	.0052	-.0045	.00042	-.00005	.0092
#1	.0118	.0080	.0004	.00054	-.00006	.0093
#2	.0072	.0023	-.0094	.00031	-.00005	.0090
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.1513	.0017	-.0004	.0011	.0220
#1	.0000	.1481	.0026	.0004	.0032	.0214
#2	-.0001	.1545	.0008	-.0012	-.0011	.0225
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0101	.65087	.00040	.0002	.0008	.0900
#1	-.0114	.65079	.00041	.0012	.0010	.0792
#2	-.0088	.65096	.00040	-.0007	.0005	.1007
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0003	1.268	.0141	-.0075	.0050
#1	.0225	.0012	1.270	.0183	-.0072	.0047
#2	-.0225	-.0005	1.265	.0099	-.0079	.0054
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0919	.1612	-.00106	-.1480	-.00019	.00184
#1	.0827	.1631	-.00005	-.1418	.00005	.00189
#2	.1012	.1592	-.00208	-.1541	-.00042	.00178
Int. Std.	Sc3572					
Units	Cts/S					
Avg	185.82					
#1	185.74					
#2	185.91					

Method: 2010A Sample Name: LCSW Operator: JC
 Comment: 1/2 K1006157 (205168) (061710B)
 Run Time: 06/17/10 16:47 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.150	.5252	.5165	2.2763	.05490	.5482
#1	2.137	.5459	.5089	2.2728	.05512	.5491
#2	2.163	.5046	.5241	2.2798	.05468	.5473
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0553	5.347	.2282	.5625	.2630	1.096
#1	.0551	5.352	.2261	.5593	.2608	1.097
#2	.0554	5.342	.2303	.5658	.2652	1.095
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5350	5.4615	.53538	.5591	.5569	5.297
#1	.5322	5.4648	.53530	.5565	.5540	5.305
#2	.5379	5.4582	.53545	.5616	.5598	5.289
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4921	.0521	5.290	.0127	.5451	.5551
#1	.4850	.0504	5.325	.0157	.5506	.5520
#2	.4992	.0538	5.255	.0098	.5397	.5582
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0019	.0242	.00030	.4819	-.00009	.00278
#1	.0026	.0241	-.00138	.4612	-.00004	.00277
#2	-.0065	.0243	.00197	.5026	-.00014	.00280
Int. Std.	Sc3572					
Units	Cts/S					
Avg	174.63					
#1	174.27					
#2	175.00					

Method: 2010A Sample Name: LCSWD Operator: JC
 Comment: 1/2 K1006157 (205168) (061710B)
 Run Time: 06/17/10 16:50 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.246	.5533	.5714	2.3718	.05651	.5739
#1	2.230	.5603	.5672	2.3794	.05659	.5738
#2	2.262	.5462	.5757	2.3642	.05644	.5740
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0586	5.532	.2438	.5899	.2724	1.142
#1	.0583	5.530	.2440	.5888	.2690	1.143
#2	.0589	5.533	.2437	.5910	.2758	1.141
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5897	5.6449	.55624	.5881	.5838	5.482
#1	.5952	5.6447	.55411	.5841	.5830	5.496
#2	.5843	5.6451	.55836	.5921	.5845	5.467
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5673	.0496	5.413	.0217	.5622	.5865
#1	.5595	.0478	5.443	.0204	.5636	.5853
#2	.5750	.0515	5.383	.0229	.5609	.5877
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0251	.00067	.5570	-.00035	.00286
#1	-.0087	.0256	.00124	.5502	-.00040	.00273
#2	.0081	.0246	.00010	.5638	-.00029	.00299
Int. Std.	Sc3572					
Units	Cts/S					
Avg	176.43					
#1	175.91					
#2	176.96					

Method: 2010A Sample Name: K1006157-002 Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 16:53 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0213	.0071	.0011	.00258	-.00134	.0098
#1	.0024	.0072	.0043	.00313	-.00138	.0108
#2	.0402	.0071	-.0022	.00203	-.00131	.0087
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.1871	.0021	.0006	.0013	.0555
#1	.0003	.1834	.0015	.0002	.0006	.0568
#2	-.0007	.1908	.0027	.0010	.0021	.0543
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0126	.67315	.00079	.0058	.0018	.0964
#1	-.0083	.67916	.00089	.0063	.0015	.0882
#2	-.0169	.66714	.00069	.0053	.0020	.1047
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0020	-.0025	1.399	.0147	1.235	.0129
#1	.0022	-.0055	1.428	.0134	1.250	.0139
#2	-.0062	.0005	1.371	.0161	1.220	.0119
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0995	.1811	.00094	-.0631	-.00013	.00202
#1	.0957	.1852	-.00070	-.0673	.00014	.00205
#2	.1032	.1769	.00258	-.0590	-.00039	.00199
Int. Std.	Sc3572					
Units	Cts/S					
Avg	184.04					
#1	182.82					
#2	185.26					

Method: 2010A Sample Name: K1006157-003 Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 16:56 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103	.0042	-.0016	.00124	-.00009	.0099
#1	.0008	.0042	-.0009	.00122	-.00015	.0100
#2	.0198	.0043	-.0022	.00126	-.00002	.0098
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.1859	.0017	-.0008	.0009	.0381
#1	.0001	.1779	.0017	-.0007	-.0003	.0374
#2	.0001	.1938	.0017	-.0010	.0020	.0387
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0029	.64802	.00062	.0008	.0011	.1283
#1	-.0015	.64908	.00061	.0006	.0005	.1569
#2	-.0044	.64697	.00063	.0009	.0016	.0997
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0063	.0003	1.439	.0137	-.0031	.0091
#1	.0126	-.0012	1.439	.0138	-.0054	.0091
#2	.0000	.0018	1.439	.0136	-.0009	.0090
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1057	.1802	-.00059	-.1344	.00056	.00206
#1	.1081	.1791	.00001	-.1563	.00066	.00206
#2	.1034	.1813	-.00118	-.1126	.00046	.00205
Int. Std.	Sc3572					
Units	Cts/S					
Avg	185.12					
#1	185.43					
#2	184.80					

Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 06/17/10 16:59 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.035	.0163	-.0043	2.5161	.05079	-.0101
Stddev	.052	.0054	.0158	.0014	.00021	.0005
%RSD	1.043	32.90	365.1	.05745	.41035	4.918

#1	5.072	.0201	-.0155	2.5172	.05094	-.0105
#2	4.998	.0125	.0068	2.5151	.05064	-.0098

Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	26.75	.0059	-.0014	.0003	25.84
Stddev	.0002	.18	.0001	.0002	.0015	.01
%RSD	31.24	.6766	1.227	10.99	464.5	.0345

#1	.0007	26.62	.0058	-.0015	-.0007	25.84
#2	.0005	26.88	.0059	-.0013	.0014	25.83

Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0127	25.55	5.013	.0012	-.0017	9.934
Stddev	.0062	.03	.014	.0019	.0019	.010
%RSD	48.43	.1354	.2806	158.9	112.5	.1021

#1	-.0084	25.58	5.022	.0025	-.0031	9.927
#2	-.0171	25.53	5.003	-.0001	-.0004	9.941

Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0038	.0028	9.810	-.0058	-.0030	.0003
Stddev	.0100	.0033	.071	.0007	.0016	.0004
%RSD	260.7	116.3	.7205	11.68	53.45	131.8

#1	.0032	.0005	9.860	-.0053	-.0042	.0000
#2	-.0109	.0052	9.760	-.0063	-.0019	.0006

Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 06/17/10 16:59

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.43	2.535	-.00298	-.0122	.50481	.49299
Stddev	.04	.006	.00068	.0076	.00170	.00218
%RSD	.4010	.2277	22.839	62.17	.33606	.44287
#1	10.40	2.531	-.00346	-.0068	.50601	.49454
#2	10.46	2.539	-.00250	-.0175	.50361	.49145
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%
Int. Std.	Sc3572					
Units	Cts/S					
Avg	180.77					
Stddev	.77					
%RSD	.42451					
#1	180.22					
#2	181.31					

Method: 2010A

Sample Name: CCVA

Operator:

Comment:

Run Time: 06/17/10 17:02 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5072	2.483	2.536	.46530	.53000	.5018
Stddev	.0058	.020	.027	.00370	.00197	.0022
%RSD	1.143	.7961	1.071	.79529	.37250	.4439
#1	.5031	2.469	2.516	.46268	.52861	.5002
#2	.5113	2.497	2.555	.46792	.53140	.5034
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5075	2.458	.5011	.4983	.5209	.5139
Stddev	.0036	.004	.0053	.0069	.0067	.0156
%RSD	.7030	.1720	1.066	1.394	1.278	3.026
#1	.5050	2.461	.4973	.4934	.5162	.5249
#2	.5100	2.455	.5049	.5032	.5256	.5029
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.431	1.9947	1.0002	.9907	.4991	4.881
Stddev	.018	.0013	.0116	.0235	.0029	.002
%RSD	.7504	.06319	1.1605	2.374	.5868	.0436
#1	2.418	1.9956	.99200	.9741	.4970	4.879
#2	2.443	1.9939	1.0084	1.007	.5012	4.882
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.502	.4915	.4669	2.381	.4796	.4936
Stddev	.015	.0042	.0011	.024	.0011	.0034
%RSD	.6090	.8575	.2343	.9969	.2314	.6987
#1	2.513	.4944	.4662	2.364	.4804	.4912
#2	2.491	.4885	.4677	2.397	.4789	.4961
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Sample Name: CCVA Run Time: 06/17/10 17:02

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0357	.2645	.49490	4.930	-.00030	.00145
Stddev	.0049	.0033	.00217	.058	.00026	.00002
%RSD	13.75	1.230	.43920	1.185	85.000	1.0804
#1	-.0322	.2668	.49643	4.889	-.00012	.00147
#2	-.0391	.2622	.49336	4.972	-.00048	.00144
Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			10.000%	10.00%		
Int. Std.	Sc3572					
Units	Cts/S					
Avg	183.67					
Stddev	.19					
%RSD	.10450					
#1	183.81					
#2	183.53					

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 06/17/10 17:05 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207	.0265	-.0042	.00040	-.00005	.0011
Stddev	.0034	.0060	.0037	.00027	.00001	.0004
%RSD	16.28	22.46	87.63	67.692	29.361	32.78
#1	.0231	.0223	-.0069	.00059	-.00005	.0014
#2	.0183	.0308	-.0016	.00021	-.00004	.0008
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000	.0000
Range	±.0500	±.0500	±.1000	±.00500	±.00500	±.0500
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0050	.0023	-.0003	.0011	.0046
Stddev	.0005	.0098	.0013	.0005	.0003	.0009
%RSD	279.3	196.8	57.53	208.0	26.16	19.64
#1	.0005	-.0019	.0033	.0001	.0009	.0053
#2	-.0002	.0119	.0014	-.0006	.0012	.0040
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.0050	±.0500	±.0050	±.0100	±.0100	±.0200
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0034	.00185	.00149	.0085	.0020	.0147
Stddev	.0040	.00004	.00018	.0022	.0009	.0150
%RSD	117.7	2.1268	12.249	25.97	43.14	101.6
#1	-.0006	.00183	.00162	.0100	.0027	.0041
#2	-.0063	.00188	.00136	.0069	.0014	.0253
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.00000	.0000	.0000	.0000
Range	±.0500	±.02000	±.00500	±.0100	±.0200	±.4000
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	-.0025	-.0005	.0033	-.0046	.0001
Stddev	.0060	.0005	.0010	.0039	.0031	.0009
%RSD	430.0	18.88	225.4	120.0	68.80	731.8
#1	.0056	-.0022	-.0012	.0060	-.0068	.0007
#2	-.0028	-.0028	.0003	.0005	-.0023	-.0005
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.1000	±.0100	±.2000	±.0500	±.0100	±.0100

Sample Name: CCB Run Time: 06/17/10 17:05

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0015	.0017	.00212	.0197	.00045	.00017
Stddev	.0044	.0041	.00106	.0039	.00053	.00003
%RSD	296.4	247.3	50.065	19.67	119.16	16.541
#1	.0016	.0046	.00288	.0225	.00082	.00019
#2	-.0046	-.0012	.00137	.0170	.00007	.00015
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.2000	±.01000	±.2000	±.01000	±.01000
Int. Std.	Sc3572					
Units	Cts/S					
Avg	179.36					
Stddev	.03					
%RSD	.01603					
#1	179.38					
#2	179.34					

Method: 2010A Sample Name: K1006157-004 Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 17:09 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0269	.0132	-.0075	.00073	-.00012	.0091
#1	.0245	.0156	.0024	.00078	-.00012	.0086
#2	.0292	.0108	-.0173	.00068	-.00012	.0096
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.1820	.0017	.0001	.0027	.0306
#1	-.0001	.1810	.0018	.0006	.0057	.0308
#2	.0000	.1831	.0017	-.0004	-.0003	.0304
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0071	.64460	.00059	.0015	.0013	.0993
#1	-.0033	.64370	.00044	.0024	.0006	.1081
#2	-.0110	.64550	.00075	.0006	.0020	.0904
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0049	.0018	1.298	.0168	-.0045	.0102
#1	-.0225	-.0008	1.300	.0162	-.0048	.0102
#2	.0126	.0045	1.297	.0173	-.0042	.0102
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0824	.1598	-.00141	-.1336	-.00063	.00186
#1	.0836	.1579	-.00211	-.1354	-.00120	.00181
#2	.0812	.1617	-.00070	-.1317	-.00006	.00191
Int. Std.	Sc3572					
Units	Cts/S					
Avg	185.18					
#1	185.08					
#2	185.28					

Method: 2010A Sample Name: K1006157-005 Operator: JC
 Comment: 1/2 (205168) (061710B)
 Run Time: 06/17/10 17:12 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0825	.0038	-.0074	.14990	-.01160	.0076
#1	.1054	-.0037	-.0022	.15061	-.01174	.0069
#2	.0596	.0113	-.0127	.14920	-.01146	.0082
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	1.038	.0626	.0010	.0094	.4383
#1	.0000	1.046	.0621	.0004	.0112	.4436
#2	.0002	1.031	.0631	.0016	.0075	.4330
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0056	.59805	.00735	.0025	.1139	.1386
#1	-.0019	.60361	.00734	.0021	.1148	.1321
#2	-.0092	.59249	.00736	.0028	.1129	.1451
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082	-.0007	1.209	.0098	12.16	.0120
#1	.0067	-.0022	1.225	.0067	12.30	.0119
#2	.0097	.0008	1.194	.0130	12.03	.0121
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0859	.1474	.05177	-.0020	.00000	.01189
#1	.0920	.1469	.05291	.0190	-.00084	.01208
#2	.0798	.1478	.05064	-.0230	.00084	.01170
Int. Std.	Sc3572					
Units	Cts/S					
Avg	187.41					
#1	187.28					
#2	187.55					

Method: 2010A Sample Name: K1005244-002 Operator: JC
 Comment: 1/100 (205168) (061710B)
 Run Time: 06/17/10 17:15 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.074	.0089	-.0022	.00043	-.00014	.0036
#1	6.032	.0042	-.0022	.00059	-.00017	.0042
#2	6.115	.0136	-.0022	.00028	-.00011	.0031
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0868	.0067	-.0002	.0285	.0900
#1	-.0005	.0854	.0073	.0000	.0274	.0906
#2	.0005	.0881	.0061	-.0004	.0295	.0894
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0080	.95964	.03121	-.0001	.0010	10.62
#1	-.0180	.95615	.03082	-.0001	.0017	10.57
#2	.0020	.96313	.03159	.0000	.0004	10.66
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074	.0017	14.34	-.0067	-.0045	.0331
#1	.0116	.0058	14.28	-.0041	-.0049	.0329
#2	.0032	-.0025	14.39	-.0092	-.0042	.0333
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079	.0405	.00600	-.0097	.00108	.00320
#1	.0157	.0413	.00460	-.0044	.00121	.00314
#2	.0002	.0397	.00741	-.0151	.00096	.00326
Int. Std.	Sc3572					
Units	Cts/S					
Avg	183.38					
#1	183.34					
#2	183.43					

Method: 2010A Sample Name: K1005244-004 Operator: JC
 Comment: 1/100 (205168) (061710B)
 Run Time: 06/17/10 17:18 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.196	.0098	.0110	.00012	-.00021	.0058
#1	7.172	.0005	.0189	-.00002	-.00021	.0051
#2	7.219	.0192	.0031	.00025	-.00021	.0065
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.2380	.0066	-.0004	.0331	.0540
#1	-.0010	.2345	.0064	-.0006	.0335	.0540
#2	.0001	.2414	.0068	-.0003	.0327	.0540
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0025	1.5125	.03498	-.0006	.0022	11.24
#1	-.0027	1.5067	.03498	.0006	.0020	11.24
#2	-.0024	1.5182	.03499	-.0018	.0024	11.23
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0017	.0005	12.96	-.0037	.0009	.0569
#1	.0046	-.0048	13.01	-.0015	-.0012	.0567
#2	-.0080	.0058	12.90	-.0059	.0030	.0571
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051	.0404	.02499	.0092	.00233	.00451
#1	.0045	.0386	.02449	.0137	.00241	.00449
#2	.0057	.0421	.02548	.0048	.00225	.00452
Int. Std.	Sc3572					
Units	Cts/S					
Avg	184.42					
#1	183.93					
#2	184.91					

Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 06/17/10 17:21 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.004	.0078	.0026	2.5011	.04979	-.0116
Stddev	.065	.0053	.0070	.0033	.00016	.0017
%RSD	1.296	67.94	269.3	.13208	.31724	14.41
#1	4.958	.0116	.0075	2.4988	.04968	-.0104
#2	5.050	.0041	-.0023	2.5035	.04990	-.0128
Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	26.93	.0031	-.0007	-.0041	26.06
Stddev	.0011	.25	.0022	.0003	.0001	.02
%RSD	140.5	.9266	70.41	39.71	3.314	.0675
#1	.0016	26.76	.0015	-.0009	-.0040	26.05
#2	.0000	27.11	.0046	-.0005	-.0042	26.07
Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%
Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0045	25.40	4.945	.0003	-.0011	9.810
Stddev	.0045	.03	.007	.0016	.0009	.013
%RSD	101.2	.1289	.1433	491.6	75.04	.1320
#1	-.0077	25.37	4.950	-.0008	-.0017	9.800
#2	-.0013	25.42	4.940	.0015	-.0005	9.819
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103	.0037	9.775	-.0051	-.0043	.0006
Stddev	.0000	.0016	.004	.0028	.0002	.0001
%RSD	.0626	45.02	.0421	55.79	4.806	14.75
#1	.0103	.0025	9.778	-.0031	-.0044	.0005
#2	.0103	.0048	9.772	-.0071	-.0041	.0006
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 06/17/10 17:21

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.29	2.502	-.00109	-.0139	.49335	.48314
Stddev	.01	.015	.00018	.0076	.00020	.00081
%RSD	.0966	.5805	16.824	55.01	.04028	.16736
#1	10.28	2.492	-.00096	-.0085	.49321	.48371
#2	10.29	2.513	-.00122	-.0193	.49349	.48256
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%
Int. Std.	Sc3572					
Units	Cts/S					
Avg	181.25					
Stddev	.33					
%RSD	.18119					
#1	181.02					
#2	181.48					

Method: 2010A Sample Name: CCVA

Operator:

Comment:

Run Time: 06/17/10 17:24 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5065	2.490	2.553	.47072	.53274	.5059
Stddev	.0291	.032	.001	.00422	.00111	.0004
%RSD	5.751	1.280	.0435	.89573	.20768	.0838
#1	.4859	2.468	2.552	.46774	.53352	.5056
#2	.5271	2.513	2.554	.47370	.53195	.5062
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5155	2.472	.5107	.5051	.5213	.5196
Stddev	.0043	.008	.0054	.0050	.0023	.0126
%RSD	.8293	.3166	1.061	.9931	.4491	2.433
#1	.5125	2.466	.5068	.5016	.5229	.5285
#2	.5185	2.477	.5145	.5087	.5196	.5106
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.466	2.0013	1.0118	.9949	.5032	4.864
Stddev	.039	.0019	.0154	.0195	.0032	.001
%RSD	1.584	.09337	1.5200	1.956	.6292	.0104
#1	2.438	2.0000	1.0009	.9812	.5009	4.864
#2	2.494	2.0026	1.0226	1.009	.5054	4.863
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.480	.4983	.4763	2.400	.4877	.5000
Stddev	.033	.0012	.0046	.039	.0018	.0034
%RSD	1.333	.2396	.9677	1.623	.3670	.6702
#1	2.457	.4991	.4730	2.372	.4889	.4977
#2	2.504	.4974	.4795	2.427	.4864	.5024
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Sample Name: CCVA Run Time: 06/17/10 17:24

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0130	.2621	.50500	5.007	.00006	.00156
Stddev	.0029	.0022	.00255	.109	.00029	.00001
%RSD	22.56	.8565	.50563	2.174	521.67	.63940
#1	-.0109	.2605	.50319	4.930	.00026	.00155
#2	-.0151	.2637	.50680	5.084	-.00015	.00156
Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			10.000%	10.00%		
Int. Std.	Sc3572					
Units	Cts/S					
Avg	183.20					
Stddev	.44					
%RSD	.23876					
#1	183.51					
#2	182.89					

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 06/17/10

17:27 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.0161	.0075	.00052	.00006
Stddev	.0067	.0154	.0157	.00052	.00010
%RSD	894.8	95.55	209.0	99.352	163.58

#1	.0040	.0270	-.0036	.00089	.00013
#2	-.0055	.0052	.0186	.00016	-.00001

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0500	±.0500	±.1000	±.00500	±.00500

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0002	.0002	.0020	.0005
Stddev	.0006	.0004	.0031	.0010	.0003
%RSD	57.04	229.0	1430.	50.32	59.73

#1	.0006	-.0005	.0024	.0013	.0007
#2	.0015	.0001	-.0020	.0028	.0003

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0500	±.0050	±.0500	±.0050	±.0100

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0035	.0051	.0045	.00232	.00173
Stddev	.0000	.0008	.0047	.00008	.00037
%RSD	.0866	15.42	102.7	3.4773	21.260

#1	.0035	.0057	.0078	.00227	.00199
#2	.0035	.0046	.0012	.00238	.00147

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0100	±.0200	±.0500	±.02000	±.00500

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0078	.0016	-.0007	-.0014	-.0002
Stddev	.0049	.0010	.0044	.0139	.0005
%RSD	62.23	61.14	618.4	989.4	291.8

#1	.0112	.0023	-.0038	-.0112	.0002
#2	.0044	.0009	.0024	.0084	-.0005

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0100	±.0200	±.4000	±.1000	±.0100

Sample Name: CCB Run Time: 06/17/10 17:27

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0040	-.0066	-.0001	-.0026
Stddev	.0008	.0047	.0009	.0002	.0062
%RSD	132.4	115.4	13.70	151.9	241.3
#1	-.0012	.0073	-.0073	-.0002	-.0070
#2	.0000	.0007	-.0060	.0000	.0018
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.2000	±.0500	±.0100	±.0100	±.2000
Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0022	-.00124	.0216	.00005	.00009
Stddev	.0024	.00036	.0065	.00038	.00000
%RSD	109.5	29.290	29.98	829.82	2.8902
#1	-.0005	-.00098	.0170	-.00022	.00010
#2	-.0038	-.00150	.0261	.00031	.00009
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.01000	±.2000	±.01000	±.01000
Int. Std.	Sc3572				
Units	Cts/S				
Avg	179.21				
Stddev	.73				
%RSD	.40555				
#1	178.70				
#2	179.73				

Hydrocarbon Identification

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601
Sample Matrix: Misc. solid

Service Request: K1005244
Date Collected: 5/19/2010
Date Received: 5/21/2010

Hydrocarbon Identification Screen

Sample Name: D-4-16
Lab Code: K1005244-003
Test Notes:

Units: mg/Kg (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline Range Organics	EPA 3550B	NWTPH-HCID	20	1	6/2/2010	6/4/2010	ND	
Diesel Range Organics	EPA 3550B	NWTPH-HCID	50	1	6/2/2010	6/4/2010	ND	
Residual Range Organics	EPA 3550B	NWTPH-HCID	100	1	6/2/2010	6/4/2010	ND	

D Detected at or above the method reporting limit. Follow-up analyses are required for quantitative results.

Approved By: _____ *M* _____ Date: 6/15/10

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601
Sample Matrix: Misc. solid

Service Request: K1005244
Date Collected: NA
Date Received: NA

Hydrocarbon Identification Screen

Sample Name: Method Blank
Lab Code: KWG1005328-3
Test Notes:

Units: mg/Kg (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline Range Organics	EPA 3550B	NWTPH-HCID	20	1	6/2/2010	6/4/2010	ND	
Diesel Range Organics	EPA 3550B	NWTPH-HCID	50	1	6/2/2010	6/4/2010	ND	
Residual Range Organics	EPA 3550B	NWTPH-HCID	100	1	6/2/2010	6/4/2010	ND	

Approved By: _____ *JW* Date: 6/15/10

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601
Sample Matrix: Misc. solid

Service Request: K1005244
Date Collected: 5/19/2010
Date Received: 5/21/2010
Date Extracted: 6/2/2010
Date Analyzed: 6/4/2010

Surrogate Recovery Summary
Hydrocarbon Identification Screen

Prep Method: EPA 3550B
Analysis Method: NWTPH-HCID

Units: PERCENT
Basis: NA

Sample Name	Lab Code	Test Notes	P e r c e n t R e c o v e r y		
			o-Terphenyl	4-Bromofluorobenzene	n-Triacontane
D-4-16	K1005244-003		95	88	98
Method Blank	KWG1005328-3		89	81	92

CAS Acceptance Limits: 50-150 20-150 50-150

Approved By: _____  Date: 6/15/10

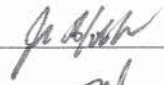

Exception Report

Data File: J:\GC2\DATA\060310D\0603F116.D
Lab ID: K1005244-003
RunType: SMPL
Matrix: MISC. SOLID

Date Acquired: 06/04/2010 08:27
Date Quantitated: 06/04/2010 17:44
Batch ID: KWG1005429
Analysis Method: 8015B
MethodJoinID: MJ1099

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 
Secondary Review: 

Quantitation Report

Bottle ID:	Tier: V	Matrix: MISC. SOLID
Prod Code: NWTPH-HCID NW_H	Collect Date: 05/19/2010	Receive Date: 05/21/2010

Analysis Lot: KWG1005429	Prep Lot: KWG1005328	Report Group: K1005244
Analysis Method: NWTPH_HCID	Prep Method: EPA 3550B	
Prep Ref: 915671	Prep Date: 06/02/2010	

Quant Method: J:\GC21\METHODS\041810FRNT.M	Calibration ID: CAL9389
Title: Total Petroleum Hydrocarbon - Hydrocarbon Identification	Report List ID: LJ11627
MB Ref: J:\GC21\DATA\060310D\0603F114.D	Method ID: MJ226
	Quant based on Report List

Data File: J:\GC21\DATA\060310D\0603F116.D	Instrument: GC21
Acqu Date: 06/04/2010 08:27	Quant Date: 06/04/2010 17:44
Run Type: SMPL	Vial: 31
Lab ID: K1005244-003	Dilution: 1.0
	Soln Conc. Units: ppm

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.75	0.00	11750	21.90	88	20-150	OK
o-Terphenyl	5.53	0.00	28605	23.64	95	50-150	OK
n-Triacontane	7.73	0.00	26302	24.41	98	50-150	OK

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Diesel Range Organics (DRO)	3.80	?	10134	10.76	28	U	
Residual Range Organics (RRO)	6.63	?	16525	27.52	55	U	
Gasoline Range Organics (GRO)	2.14	?	2869	8.94	11	U	

Prep Amount: 30.25 g Dilution: 1.0
 Prep Final Vol: 10 mL Unit Factor: 1
 Solids: 90.7 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

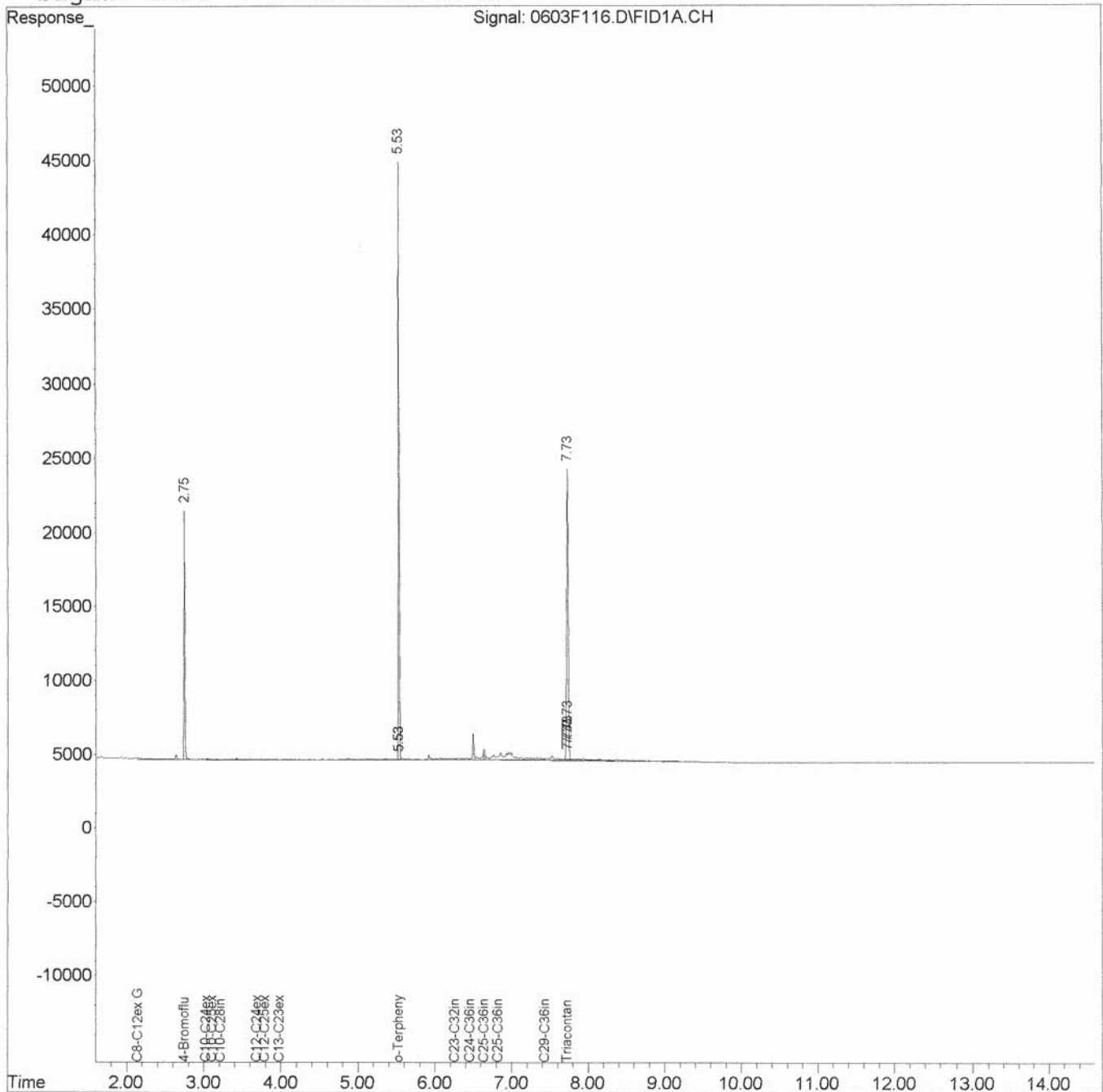
Data File : J:\GC21\DATA\060310D\0603F116.D
 Acq On : 04 Jun 2010 8:27 am
 Sample : K1005244-003 | HCID
 Misc :
 IntFile : rteint.p
 Quant Time: Jun 4 17:44 2010

Vial: 31
 Operator: JMSmith
 Inst : GC21
 Multiplr: 1.00

Quant Results File: 041810FRNT.RES

Quant Method : J:\GC21\METHODS\041810FRNT.M (RTE Integrator)
 Title : 041810FRNT.m CAL9389
 Last Update : Fri May 14 09:50:58 2010
 Response via : Single Level Calibration
 DataAcq Meth : BOTH.M

Volume Inj. : 1 uL
 Signal Phase : ZB-1 15m
 Signal Info : 0.25mm x 1.0 um





Exception Report

Data File: J:\GC2\DATA\060310D\0603F118.D
Lab ID: KWG1005328-1
RunType: DUP
Matrix: MISC. SOLID

Date Acquired: 06/04/2010 08:48
Date Quantitated: 06/04/2010 17:44
Batch ID: KWG1005429
Analysis Method: 8015B
MethodJoinID: MJ1099

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 
Secondary Review: 

Quantitation Report

Bottle ID:	Tier:	Matrix:	MISC. SOLID
Prod Code: NWTPH-HCID NW_H	Collect Date:	Receive Date:	06/03/2010

Analysis Lot: KWG1005429	Prep Lot: KWG1005328	Report Group:	
Analysis Method: NWTPH_HCID	Prep Method: EPA 3550B		
Prep Ref: 915672	Prep Date: 06/02/2010		

Quant Method: J:\GC21\METHODS\041810FRNT.M	Calibration ID: CAL9389
Title:	
MB Ref: J:\GC21\DATA\060310D\0603F114.D	Method ID: MJ226
	Quant based on Method

Data File: J:\GC21\DATA\060310D\0603F118.D	Instrument: GC21	Vial: 32
Acqu Date: 06/04/2010 08:48	Quant Date: 06/04/2010 17:44	Dilution: 1.0
Run Type: DUP		Soln Conc. Units: ppm
Lab ID: KWG1005328-1		

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.75	0.00	11221	20.92	84	20-150	OK
o-Terphenyl	5.53	0.00	28718	23.73	95	50-150	OK
n-Triacontane	7.73	0.00	26711	24.79	99	50-150	OK

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Diesel Range Organics (DRO)	3.80	?	11822	12.55	55	U	U
Residual Range Organics (RRO)	6.63	?	19142	31.88	110	U	U
Gasoline Range Organics (GRO)	2.14	?	2931	9.14	22	U	U

Prep Amount: 30.23 g **Dilution:** 1.0
Prep Final Vol: 10 mL **Unit Factor:** 1
Solids: 90.7 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
 F: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

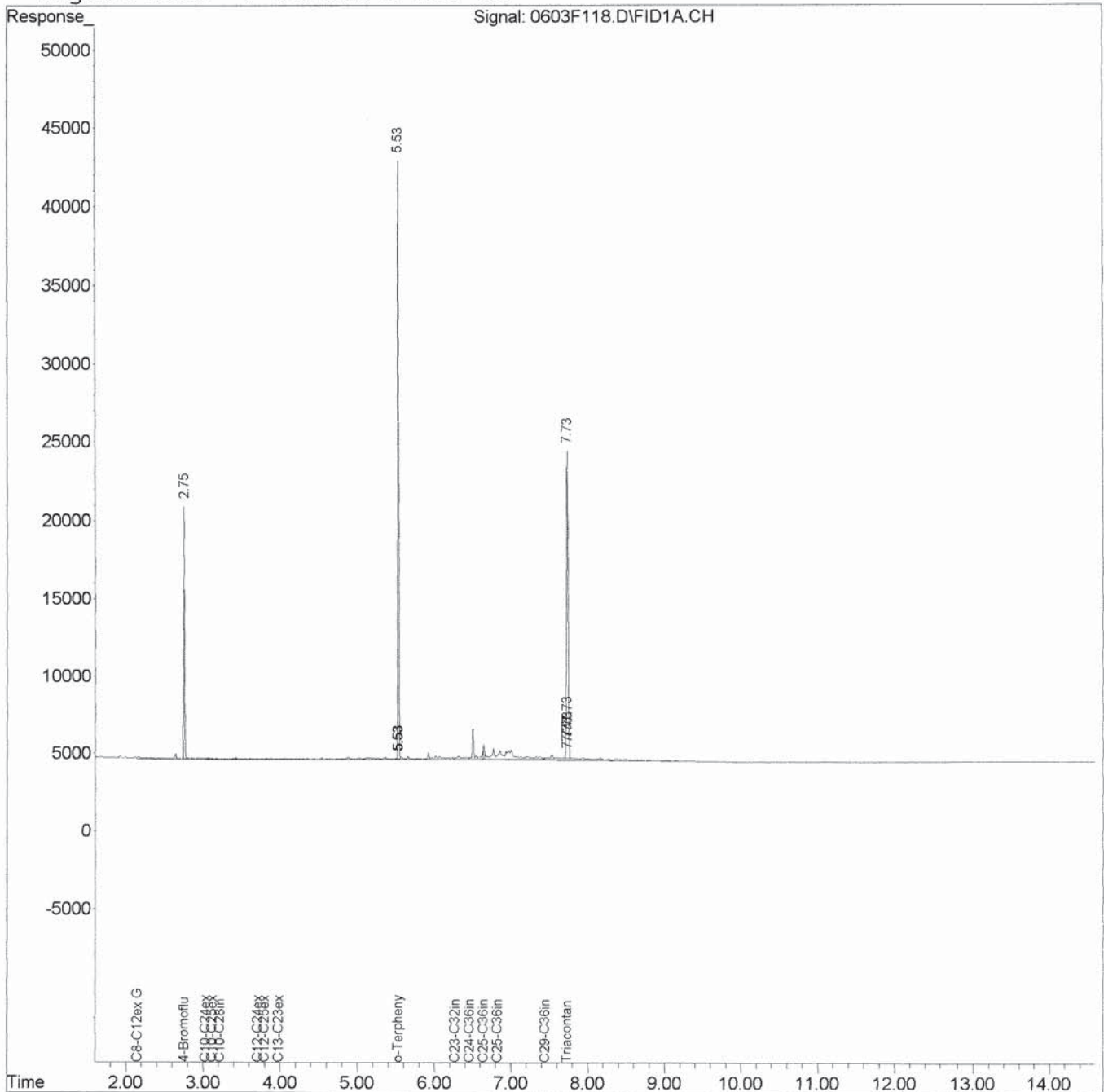
Quantitation Report (Not Reviewed)

Data File : J:\GC21\DATA\060310D\0603F118.D
Acq On : 04 Jun 2010 8:48 am
Sample : K1005244-003DUP | HCID
Misc :
IntFile : rteint.p
Quant Time: Jun 4 17:44 2010

Vial: 32
Operator: JMSmith
Inst : GC21
Multiplr: 1.00

Quant Method : J:\GC21\METHODS\041810FRNT.M (RTE Integrator)
Title : 041810FRNT.m CAL9389
Last Update : Fri May 14 09:50:58 2010
Response via : Single Level Calibration
DataAcq Meth : BOTH.M

Volume Inj. : 1 uL
Signal Phase : ZB-1 15m
Signal Info : 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\060310D\0603F114.D
Lab ID: KWG1005328-3
RunType: MB
Matrix: MISC. SOLID

Date Acquired: 06/04/2010 08:07
Date Quantitated: 06/04/2010 17:44
Batch ID: KWG1005429
Analysis Method: 8015B
MethodJoinID: MJ1099

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 
Secondary Review: 

Quantitation Report

Bottle ID:	Tier:	Matrix:	MISC. SOLID
Prod Code: NWTPH-HCID NW_H	Collect Date:	Receive Date:	06/03/2010

Analysis Lot: KWG1005429	Prep Lot: KWG1005328	Report Group:	
Analysis Method: NWTPH_HCID	Prep Method: EPA 3550B		
Prep Ref: 915674	Prep Date: 06/02/2010		

Quant Method: J:\GC21\METHODS\041810FRNT.M	Calibration ID: CAL9389
Title:	
MB Ref:	Method ID: MJ226
	Quant based on Method

Data File: J:\GC21\DATA\060310D\0603F114.D	Instrument: GC21
Acqu Date: 06/04/2010 08:07	Quant Date: 06/04/2010 17:44
Run Type: MB	Vial: 30
Lab ID: KWG1005328-3	Dilution: 1.0
	Soln Conc. Units: ppm

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.75	0.00	10812	20.15	81	20-150	OK
o-Terphenyl	5.53	0.00	26841	22.18	89	50-150	OK
n-Triacontane	7.73	0.00	24775	23.00	92	50-150	OK

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Diesel Range Organics (DRO)	3.80	?	4390	4.66	50	U	
Residual Range Organics (RRO)	6.63	?	6384	10.63	100	U	
Gasoline Range Organics (GRO)	2.14	?	2054	6.40	20	U	

Prep Amount: 30.25 g Dilution: 1.0
 Prep Final Vol: 10 mL Unit Factor: 1
 Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
 F: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

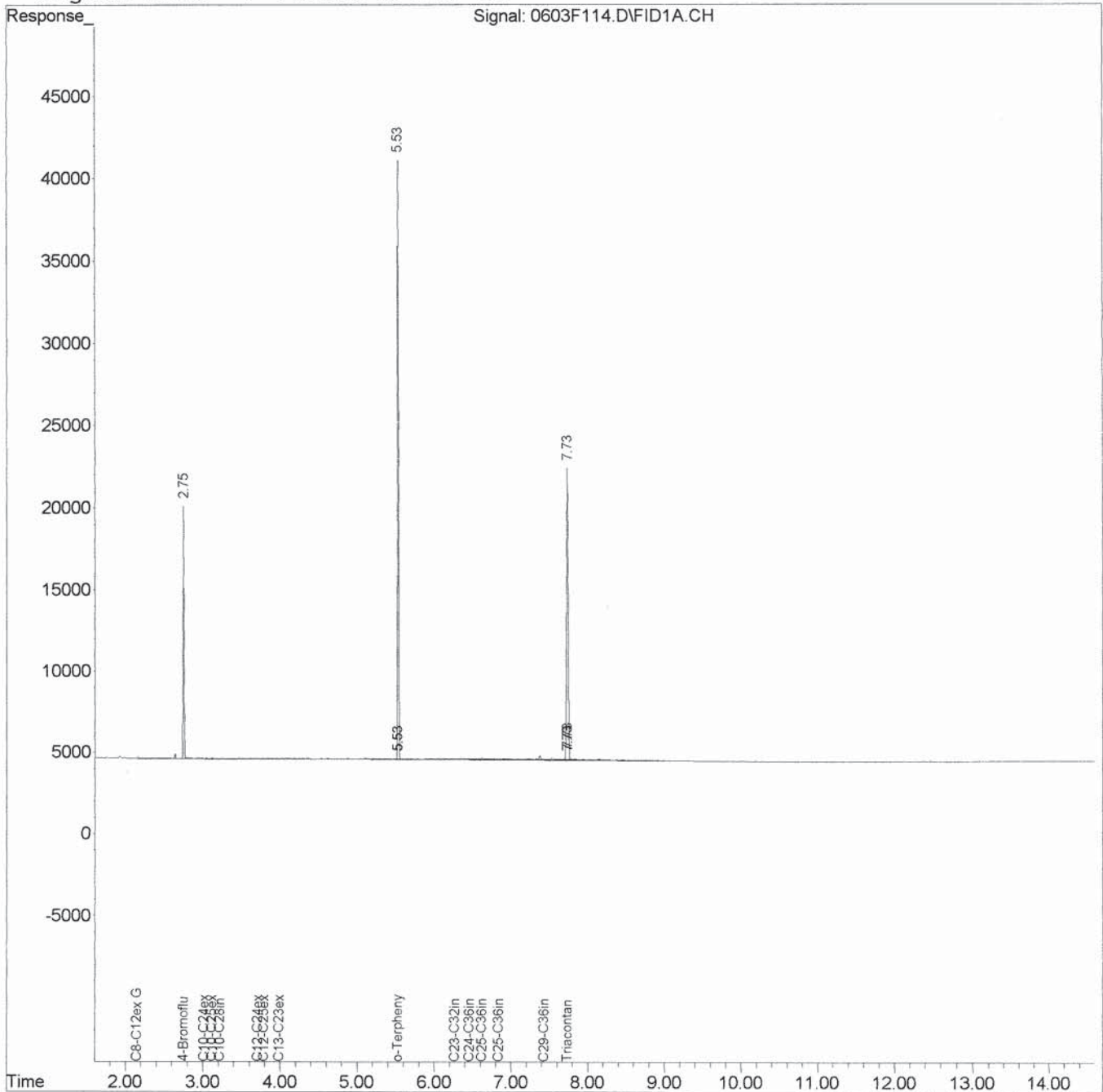
Quantitation Report (Not Reviewed)

Data File : J:\GC21\DATA\060310D\0603F114.D
Acq On : 04 Jun 2010 8:07 am
Sample : KQ1005124-03MB
Misc :
IntFile : rteint.p
Quant Time: Jun 4 17:44 2010

Vial: 30
Operator: JMSmith
Inst : GC21
Multiplr: 1.00

Quant Method : J:\GC21\METHODS\041810FRNT.M (RTE Integrator)
Title : 041810FRNT.m CAL9389
Last Update : Fri May 14 09:50:58 2010
Response via : Single Level Calibration
DataAcq Meth : BOTH.M

Volume Inj. : 1 uL
Signal Phase : ZB-1 15m
Signal Info : 0.25mm x 1.0 um



Exception Report

Data File: J:\GC21\DATA\060310D\0603F112.D
Lab ID: KWG1005328-2
RunType: LCS
Matrix: MISC. SOLID

Date Acquired: 06/04/2010 07:45
Date Quantitated: 06/04/2010 17:44
Batch ID: KWG1005429
Analysis Method: 8015B
MethodJoinID: MJ1099

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 
Secondary Review: 

Quantitation Report

Bottle ID: Prod Code: NWTPH-HCID NW_H	Tier: Collect Date:	Matrix: MISC. SOLID Receive Date: 06/03/2010
Analysis Lot: KWG1005429 Analysis Method: NWTPH_HCID Prep Ref: 915673	Prep Lot: KWG1005328 Prep Method: EPA 3550B Prep Date: 06/02/2010	Report Group:
Quant Method: J:\GC21\METHODS\041810FRNT.M Title: MB Ref: J:\GC21\DATA\060310D\0603F114.D		Calibration ID: CAL9389 Method ID: MJ226 Quant based on Method
Data File: J:\GC21\DATA\060310D\0603F112.D Acqu Date: 06/04/2010 07:45 Run Type: LCS Lab ID: KWG1005328-2	Quant Date: 06/04/2010 17:44	Instrument: GC21 Vial: 29 Dilution: 1.0 Soln Conc. Units: ppm

Surrogate Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
4-Bromofluorobenzene	2.75	0.00	11270	21.01	84	20-150	OK
o-Terphenyl	5.53	0.00	27833	23.00	92	50-150	OK
n-Triacontane	7.73	0.00	24450	22.69	91	50-150	OK

Target Compounds

Parameter Name	RT	RT Dev	Response	Solution Conc	Final Conc	Q	Rpt?
Diesel Range Organics (DRO)	3.80	?	721319	765.77	255		
Residual Range Organics (RRO)	6.63	?	200554	333.98	111		
Gasoline Range Organics (GRO)	2.14	?	110509	344.45	115		

Prep Amount: 30.00 g **Dilution:** 1.0
Prep Final Vol: 10 mL **Unit Factor:** 1
Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

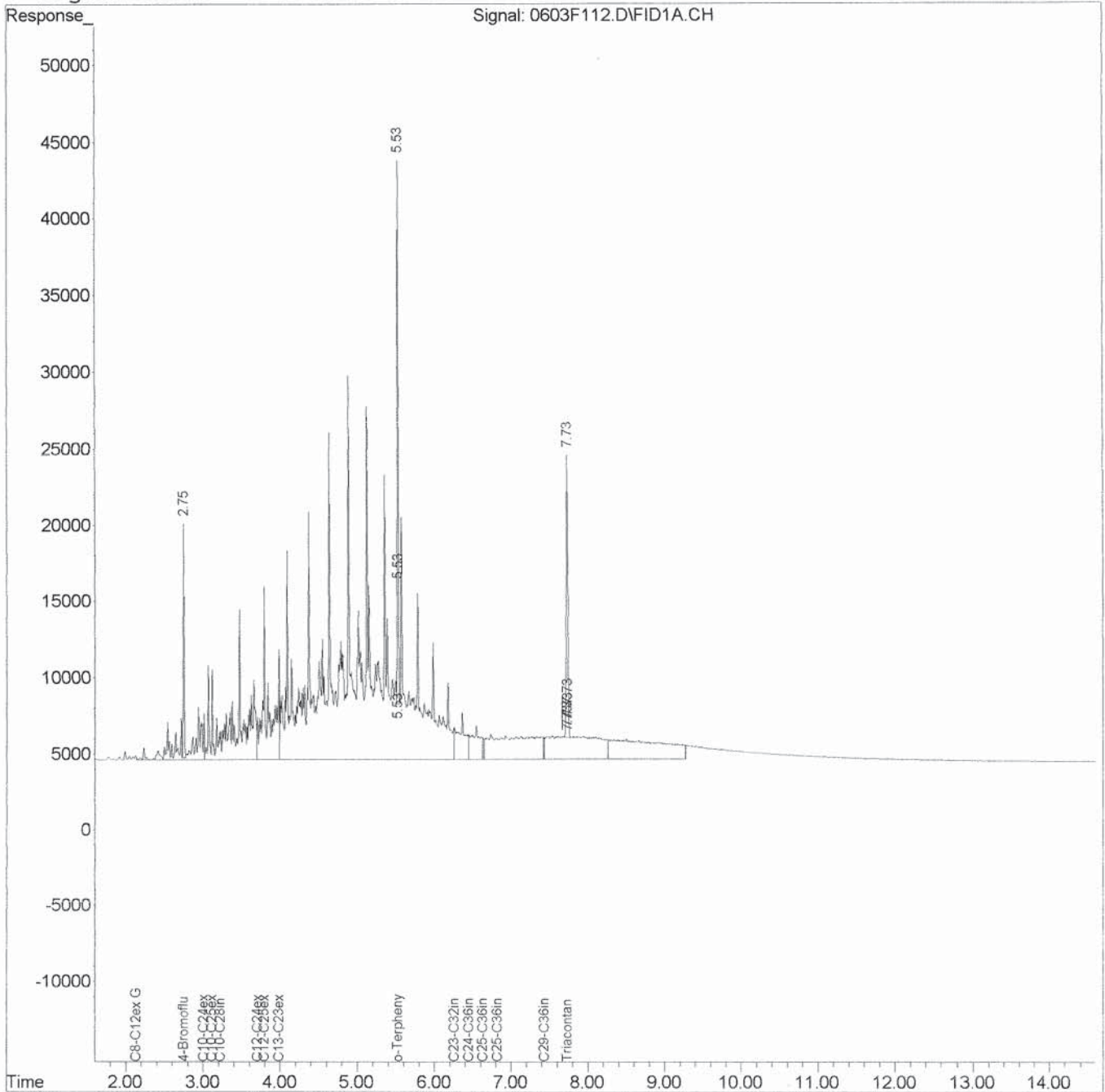
Quantitation Report (Not Reviewed)

Data File : J:\GC21\DATA\060310D\0603F112.D
Acq On : 04 Jun 2010 7:45 am
Sample : KQ1005124-02LCS
Misc :
IntFile : rteint.p
Quant Time: Jun 4 17:44 2010

Vial: 29
Operator: JMSmith
Inst : GC21
Multiplr: 1.00

Quant Method : J:\GC21\METHODS\041810FRNT.M (RTE Integrator)
Title : 041810FRNT.m CAL9389
Last Update : Fri May 14 09:50:58 2010
Response via : Single Level Calibration
DataAcq Meth : BOTH.M

Volume Inj. : 1 uL
Signal Phase : ZB-1 15m
Signal Info : 0.25mm x 1.0 um



Preparation Information

Group ID:	KWG1005328	Prep Method:	EPA 3550B	Prep Date:	06/02/10 12:00
Department:	Semivoa GC				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K1005244-003	D-4-16	NWTPH-HCID N	MISC. SOL	30.25g	10mL	
KWG1005328-1	Duplicate	NWTPH-HCID N	MISC. SOL	30.23g	10mL	
KWG1005328-2	Lab Control Sample	NWTPH-HCID N	MISC. SOL	30.00g	10mL	
KWG1005328-3	Method Blank	NWTPH-HCID N	MISC. SOL	30.25g	10mL	

Lab Code	Parent Lab Code	Comments
KWG1005328-1	K1005244-003	KQ1005124-01
KWG1005328-2		KQ1005124-02
KWG1005328-3		KQ1005124-03

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K1005244-003	915671					L Berg
KWG1005328-1	915672					L Berg
KWG1005328-2	915673					L Berg
KWG1005328-3	915674					L Berg

Comments: _____

Started By: DWood Assisted By: _____ Training
Yes No

Completed By: DWood Assisted By: _____ Yes No

Reviewed By: _____ Date: 6/3/10 Storage: _____

Chain of Custody

Relinquished By: <u>Debra Wood</u>	Date: <u>6-3-10</u>	Extracts Examined
Received By: <u>[Signature]</u>	Date: <u>6/3/10</u>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>



Columbia Analytical Services

Preparation Information Benchsheet

Prep Run: 112730 **Prep Workflow:** OrgExtS (14) **Status:** Prepped **Prep Date:** 06/02/2010
Team: Semivoa **Prep Method:** EPA **Current Step:** Final **Due Date:** 06/01/2010
GC 3550B
Analyst: DWood **Rush/NPDES:** N/A

Lab Code	Client ID	Bottle #	Target Amt	Initial Amt	Final Volume	TestNo List	Comments
K1005244-003	D-4-16	.03	33.08 g	30.25 g	10 mL	NW_HCID	
K1005244-003: KQ1005124-01	Duplicate	.03	30.00 g	30.23 g	10 mL	NW_HCID	
KQ1005124-02	Lab Control Sample		30.00 g	30.00 g	10 mL	NW_HCID	
KQ1005124-03	Method Blank		30.00 g	30.25 g	10 mL	NW_HCID	

4 Total Samples consisting of 1 Client Sample, 1 Client QC Sample, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Witness: LBerg

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction	02-JUN-10 12:00	02-JUN-10 12:00	DWood		N	
Final Volume	03-JUN-10 12:00	03-JUN-10 12:00	DWood		N	

Comments

Review

Reviewed by: [Signature] Date: 06/02/10

Chain of Custody

Relinquished By: <u>DWood</u>	Date: <u>6-3-10</u>	<u>Extracts/Digestions Examined</u> <input checked="" type="radio"/> Yes <input type="radio"/> No
Received By: <u>[Signature]</u>	Date: <u>6/3/10</u>	

Columbia Analytical Services Preparation Information Benchsheet

Prep Run: 112730 **Prep Workflow:** OrgExtS (14) **Status:** Draft **Prep Date:** 06/02/2010 05:49
Team: Semivoa **Prep Method:** EPA 3550B **Current Step:** Extraction **Due Date:** 06/01/2010
Analyst: DWOOD **Rush/NPDES:** N/A

Lab Code	Client ID	Bottle #	✓	Target Amt	Initial Amount	Inter. Volume	Final Volume	Surr Amt	Spike Amt	TestNo List
K1005244-003	D-4-16	.03	✓	33.08 g	30.25		10 mL	500 µL	NA	NW_HCID
K1005244-003: KQ1005124-01	Duplicate	.03		30.00 g	30.23		↓	↓	↓	NW_HCID
KQ1005124-02	Lab Control Sample			30.00 g	30.00		↓	↓	500 µL	NW_HCID
KQ1005124-03	Method Blank			30.00 g	30.25		↓	↓	NA	NW_HCID

4 Total Samples consisting of 1 Client Sample, 1 Client QC Sample, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Witness: *[Signature]* 6-2-10

DWSTD04-62G 500ppm 500µL exp 12-01-10

DWSTD04-59C 16000/8000ppm 500µL exp 11-11-10

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction						
Final Volume						

Comments

Additional Prep Information For Fuel Hydrocarbons In Soil By 3550

Service Request # K1005244

Work Group # KQ1005124

Extraction (3550):

Sulfate Lot # G2010025P

Matrix Sand Lot # 1-14-10

DCM Lot # DA328

Sonic Horns Tuned (Initial/Date): 6-2-10 DW

S-Evap Temp: 70°C DW

Cleanups: (Check paperwork to see if cleanups are necessary)

Sulfuric Acid Clean-up (3665): NA

Acid Lot # _____

Silica Gel Clean-up (3630): NA

Silica Gel Lot # _____

Archive:

Vial: white Vial Storage: _____

Archived Extract Storage: PHE shelf

Comments/Observations: _____

Polychlorinated Biphenyls

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Summary Package

Sample and QC Results

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601

Service Request: K1005244

**Cover Page - Organic Analysis Data Package
Polychlorinated Biphenyls (PCBs)**

Sample Name	Lab Code	Date Collected	Date Received
D-4-16	K1005244-003	05/19/2010	05/21/2010
D-4-16MS	KWG1005541-3	05/19/2010	05/21/2010
D-4-16DMS	KWG1005541-4	05/19/2010	05/21/2010

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____

Name: Agilla Kamauel

Date: 6/11/10

Title: SVB Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601
Sample Matrix: Misc. solid

Service Request: K1005244
Date Collected: 05/19/2010
Date Received: 05/21/2010

Polychlorinated Biphenyls (PCBs)

Sample Name: D-4-16
Lab Code: K1005244-003
Extraction Method: EPA 3541
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	9.8	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1221	ND	U	20	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1232	ND	U	9.8	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1242	ND	U	9.8	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1248	14		9.8	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1254	ND	U	9.8	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1260	ND	U	9.8	2.1	1	06/02/10	06/08/10	KWG1005541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	106	35-133	06/08/10	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601
Sample Matrix: Misc. solid

Service Request: K1005244
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG1005541-2
Extraction Method: EPA 3541
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	8.8	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1221	ND	U	18	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1232	ND	U	8.8	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1242	ND	U	8.8	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1248	ND	U	8.8	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1254	ND	U	8.8	2.1	1	06/02/10	06/08/10	KWG1005541	
Aroclor 1260	ND	U	8.8	2.1	1	06/02/10	06/08/10	KWG1005541	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	78	35-133	06/08/10	Acceptable

Comments: _____

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601
Sample Matrix: Misc. solid

Service Request: K1005244

**Surrogate Recovery Summary
 Polychlorinated Biphenyls (PCBs)**

Extraction Method: EPA 3541
Analysis Method: 8082

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>
D-4-16	K1005244-003	106
Method Blank	KWG1005541-2	78
D-4-16MS	KWG1005541-3	103
D-4-16DMS	KWG1005541-4	87
Lab Control Sample	KWG1005541-1	93

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 35-133

Results flagged with an asterisk (*) indicate values outside control criteria.
 Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601
Sample Matrix: Misc. solid

Service Request: K1005244
Date Extracted: 06/02/2010
Date Analyzed: 06/08/2010

**Matrix Spike/Duplicate Matrix Spike Summary
 Polychlorinated Biphenyls (PCBs)**

Sample Name: D-4-16
Lab Code: K1005244-003
Extraction Method: EPA 3541
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG1005541

Analyte Name	Sample Result	D-4-16MS KWG1005541-3 Matrix Spike			D-4-16DMS KWG1005541-4 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Aroclor 1016	ND	219	194	113	188	197	95	27-174	15	40
Aroclor 1260	ND	215	194	111	183	197	93	20-185	16	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601
Sample Matrix: Misc. solid

Service Request: K1005244
Date Extracted: 06/02/2010
Date Analyzed: 06/08/2010

**Lab Control Spike Summary
 Polychlorinated Biphenyls (PCBs)**

Extraction Method: EPA 3541
Analysis Method: 8082

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG1005541

Lab Control Sample
 KWG1005541-1

Analyte Name	Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Aroclor 1016	203	200	101	48-121
Aroclor 1260	204	200	102	53-129

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601
Sample Matrix: Misc. solid

Service Request: K1005244
Date Extracted: 06/02/2010
Date Analyzed: 06/08/2010
Time Analyzed: 19:19

**Method Blank Summary
 Polychlorinated Biphenyls (PCBs)**

Sample Name: Method Blank
Lab Code: KWG1005541-2
Extraction Method: EPA 3541
Analysis Method: 8082

File ID: J:\GC09\DATA\060810.B\0608F005.D
Instrument ID: GC09.i
Level: Low
Extraction Lot: KWG1005541

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1005541-1	J:\GC09\DATA\060810.B\0608F006.D	06/08/10	19:45
D-4-16	K1005244-003	J:\GC09\DATA\060810.B\0608F007.D	06/08/10	20:12
D-4-16MS	KWG1005541-3	J:\GC09\DATA\060810.B\0608F008.D	06/08/10	20:38
D-4-16DMS	KWG1005541-4	J:\GC09\DATA\060810.B\0608F009.D	06/08/10	21:04

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601
Sample Matrix: Misc. solid

Service Request: K1005244
Date Extracted: 06/02/2010
Date Analyzed: 06/08/2010
Time Analyzed: 19:45

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs)

Sample Name: Lab Control Sample
Lab Code: KWG1005541-1
Extraction Method: EPA 3541
Analysis Method: 8082

File ID: J:\GC09\DATA\060810.B\0608F006.D
Instrument ID: GC09.i
Level: Low
Extraction Lot: KWG1005541

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1005541-2	J:\GC09\DATA\060810.B\0608F005.D	06/08/10	19:19
D-4-16	K1005244-003	J:\GC09\DATA\060810.B\0608F007.D	06/08/10	20:12
D-4-16MS	KWG1005541-3	J:\GC09\DATA\060810.B\0608F008.D	06/08/10	20:38
D-4-16DMS	KWG1005541-4	J:\GC09\DATA\060810.B\0608F009.D	06/08/10	21:04

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601

Service Request: K1005244
Calibration Date: 05/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9510
Instrument ID: GC09.i

Column: DB-35MS

Level ID	File ID	Level ID	File ID
A	\\Cash1\Acqudata\GC09\data\052710A.B\0527F022.D	Q	\\Cash1\Acqudata\GC09\data\052710A.B\0527F038.D
B	\\Cash1\Acqudata\GC09\data\052710A.B\0527F023.D	R	\\Cash1\Acqudata\GC09\data\052710A.B\0527F039.D
C	\\Cash1\Acqudata\GC09\data\052710A.B\0527F024.D	S	\\Cash1\Acqudata\GC09\data\052710A.B\0527F040.D
D	\\Cash1\Acqudata\GC09\data\052710A.B\0527F025.D	T	\\Cash1\Acqudata\GC09\data\052710A.B\0527F041.D
E	\\Cash1\Acqudata\GC09\data\052710A.B\0527F026.D	U	\\Cash1\Acqudata\GC09\data\052710A.B\0527F042.D
F	\\Cash1\Acqudata\GC09\data\052710A.B\0527F027.D	V	\\Cash1\Acqudata\GC09\data\052710A.B\0527F043.D
G	\\Cash1\Acqudata\GC09\data\052710A.B\0527F028.D	W	\\Cash1\Acqudata\GC09\data\052710A.B\0527F044.D
H	\\Cash1\Acqudata\GC09\data\052710A.B\0527F029.D	X	\\Cash1\Acqudata\GC09\data\052710A.B\0527F045.D
I	\\Cash1\Acqudata\GC09\data\052710A.B\0527F030.D	Y	\\Cash1\Acqudata\GC09\data\052710A.B\0527F046.D
J	\\Cash1\Acqudata\GC09\data\052710A.B\0527F031.D	Z	\\Cash1\Acqudata\GC09\data\052710A.B\0527F047.D
K	\\Cash1\Acqudata\GC09\data\052710A.B\0527F032.D	AA	\\Cash1\Acqudata\GC09\data\052710A.B\0527F048.D
L	\\Cash1\Acqudata\GC09\data\052710A.B\0527F033.D	AB	\\Cash1\Acqudata\GC09\data\052710A.B\0527F049.D
M	\\Cash1\Acqudata\GC09\data\052710A.B\0527F034.D	AC	\\Cash1\Acqudata\GC09\data\052710A.B\0527F050.D
N	\\Cash1\Acqudata\GC09\data\052710A.B\0527F035.D	AD	\\Cash1\Acqudata\GC09\data\052710A.B\0527F051.D
O	\\Cash1\Acqudata\GC09\data\052710A.B\0527F036.D		
P	\\Cash1\Acqudata\GC09\data\052710A.B\0527F037.D		

Analyte Name	Level			Level			Level			Level					
	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF			
Decachlorobiphenyl	A	2.5	6920	B	5.0	6750	C	50	6030	D	100	5800	E	200	5260
	F	500	4670												
Aroclor 1016 {1}	A	25	153	B	50	165	C	500	152	D	1000	143	E	2000	128
	F	5000	109												
Aroclor 1016 {2}	A	25	282	B	50	335	C	500	312	D	1000	299	E	2000	265
	F	5000	224												
Aroclor 1016 {3}	A	25	284	B	50	298	C	500	261	D	1000	234	E	2000	207
	F	5000	176												
Aroclor 1016 {4}	A	25	245	B	50	236	C	500	212	D	1000	205	E	2000	185
	F	5000	158												
Aroclor 1016 {5}	A	25	161	B	50	158	C	500	162	D	1000	163	E	2000	149
	F	5000	132												
Aroclor 1260 {1}	A	25	353	B	50	358	C	500	308	D	1000	292	E	2000	267
	F	5000	235												
Aroclor 1260 {2}	A	25	459	B	50	446	C	500	373	D	1000	351	E	2000	317
	F	5000	274												
Aroclor 1260 {3}	A	25	549	B	50	546	C	500	454	D	1000	432	E	2000	393
	F	5000	342												
Aroclor 1260 {4}	A	25	431	B	50	489	C	500	453	D	1000	440	E	2000	413
	F	5000	373												

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601

Service Request: K1005244
Calibration Date: 05/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9510
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Level			Level			Level			Level			Level		
	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF	ID	Amt	RF
Aroclor 1260 {5}	A	25	583	B	50	607	C	500	601	D	1000	593	E	2000	546
	F	5000	496												

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601

Service Request: K1005244
Calibration Date: 05/27/2010

**Initial Calibration Summary
 Polychlorinated Biphenyls (PCBs)**

Calibration ID: CAL9510
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation				Control Criteria
		Fit Type	Eval.	Eval. Result	Q	
Decachlorobiphenyl	SURR	AverageRF	% RSD	14.6		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	14.3		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	13.5		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	19.2		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	15.6		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	7.8		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	15.8		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	19.5		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	18.3		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	9.0		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	7.5		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Exponent
Project: Heglar - Kronquist/0907194.000.0601

Service Request: K1005244
Calibration Date: 05/27/2010
Date Analyzed: 05/28/2010

**Second Source Calibration Verification
 Polychlorinated Biphenyls (PCBs)**

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL9510
Units: ng/mL

File ID: \\Cash1\Acqudata\GC09\data\052710A.B\0527F052.D
 \\Cash1\Acqudata\GC09\data\052710A.B\0527F053.D
 \\Cash1\Acqudata\GC09\data\052710A.B\0527F054.D
 \\Cash1\Acqudata\GC09\data\052710A.B\0527F055.D
 \\Cash1\Acqudata\GC09\data\052710A.B\0527F056.D
 \\Cash1\Acqudata\GC09\data\052710A.B\0527F057.D
 \\Cash1\Acqudata\GC09\data\052710A.B\0527F058.D
 \\Cash1\Acqudata\GC09\data\052710A.B\0527F059.D
 \\Cash1\Acqudata\GC09\data\052710A.B\0527F060.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016 {1}	1000	1100	142	160	13	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1200	286	334	17	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1100	243	257	6	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	207	224	8	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1300	154	198	29	NA	± 100 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	-14	± 15 %	NA
Aroclor 1260 {1}	1000	950	302	287	-5	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1000	370	377	2	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	990	453	450	-1	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	860	433	374	-14	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1200	571	671	18	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	0	± 15 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound