

## METALS

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## BLANKS

Client: Exponent

Service Request: K1004575

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			0.005	U	0.005	U	0.005	U	200.8
Arsenic			0.10	U	0.27	J	0.13	J	200.8
Beryllium			0.006	U	0.006	U	0.006	U	200.8
Cadmium			0.005	U	0.005	U	0.005	U	200.8
Chromium			0.05	J	0.13	J	0.10	J	200.8
Cobalt			0.006	U	0.006	U	0.006	U	200.8
Nickel			0.02	U	0.02	U	0.02	U	200.8
Selenium			0.3	U	0.9	J	0.5	J	200.8
Silver			0.005	J	0.004	J	0.007	J	200.8
Thallium			0.005	U	0.005	U	0.005	U	200.8
Zinc			0.20	U	0.46	J	0.20	U	200.8

## METALS

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## BLANKS

Client: Exponent

Service Request: K1004575

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	
Antimony			0.005	U	0.005	U		200.8
Arsenic			0.26	J	0.10	U		200.8
Beryllium			0.006	U	0.006	U		200.8
Cadmium			0.005	U	0.005	U		200.8
Chromium			0.06	J	0.03	J		200.8
Cobalt			0.006	U	0.006	U		200.8
Nickel			0.02	U	0.02	U		200.8
Selenium			0.5	J	0.3	U		200.8
Silver			0.006	J	0.006	J		200.8
Thallium			0.005	U	0.005	U		200.8
Zinc			0.20	U	0.20	U		200.8

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BLANKS

Client: Exponent

Service Request: K1004575

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	
Copper	0.02	U	0.02	J	-0.03	J	-0.09	J	200.8
Lead	0.005	U	0.005	U	0.005	U	0.005	U	200.8
Vanadium	0.10	J	0.07	J	0.13	J	0.16	J	200.8

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BLANKS

Client: Exponent

Service Request: K1004575

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	
Copper	0.02	U	0.02	U	0.05	J	0.02	U	200.8
Lead	0.005	U	0.005	U	0.006	J	0.005	U	200.8
Vanadium	0.03	U	-0.04	J	-0.05	J	0.03	J	200.8

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ICP INTERFERENCE CHECK SAMPLE

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglär 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	511472	509981.3	102.0			
Barium		500	0	472.8	94.6			
Calcium	500000	500000	488642	489449.2	97.9			
Iron	200000	200000	201055	198799.4	99.4			
Magnesium	500000	500000	513747	511088.0	102.2			
Manganese		500	4	459.8	92.0			
Potassium			-34	-45.2				
Sodium			82	64.5				

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

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ICP INTERFERENCE CHECK SAMPLE

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglars Kronquist

ICP ID Number: K-ICP-MS-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
Antimony			0.04	0.05				
Arsenic	0.00	25.00	-0.06	23.34	93			
Beryllium	0.00		0.004	0.001				
Cadmium	0.00	25.00	0.09	24.48	98			
Chromium	0.00	50.00	0.31	49.30	99			
Cobalt		50	0.84	48.35	97			
Nickel		50	1.59	48.7	97			
Selenium	0.00	25.00	-1.20	21.14	85			
Silver	0.0	12.5	0.0	12.0	96			
Thallium			0.054	0.046				
Zinc		25	1.54	25.3	101			

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

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ICP INTERFERENCE CHECK SAMPLE

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-MS-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
Copper		50	0.94	46.7	93			
Lead			0.12	0.13				
Vanadium		50	0.02	48.48	97			

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

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ICP INTERFERENCE CHECK SAMPLE

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-MS-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
Copper		50	1.00	44.0	88			
Lead			0.13	0.14				
Vanadium		50	-0.04	45.28	91			

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



## METALS

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## SPIKE SAMPLE RECOVERY

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Units: UG/L

Project Name: Heglar Kronquist

Basis: N/A

Matrix: WATER

% Solids: 0.0

Sample Name: BH-12S

Lab Code: K1004575-001S DISS

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Aluminum	70 - 130	3260		1070		2000.00	109.5		200.7
Antimony	70 - 130	17.9		0.082		20.00	89.1		200.8
Arsenic	70 - 130	20.0		2.1		20.00	89.5		200.8
Barium	70 - 130	2140		150		2000.00	99.5		200.7
Beryllium	70 - 130	19.0		0.042		20.00	94.8		200.8
Cadmium	70 - 130	19.2		0.051		20.00	95.7		200.8
Chromium	70 - 130	20.0		1.39		20.00	93.0		200.8
Cobalt	70 - 130	23.1		4.230		20.00	94.4		200.8
Copper	70 - 130	21.9		2.56		20.00	96.7		200.8
Iron	70 - 130	3260		2070		1000.00	119.0		200.7
Lead	70 - 130	20.6		0.684		20.00	99.6		200.8
Manganese	70 - 130	1070		560		500.00	102.0		200.7
Nickel	70 - 130	23.5		5.27		20.00	91.2		200.8
Selenium	70 - 130	20.9		0.5	J	20.00	102.0		200.8
Silver	70 - 130	18.0		0.004	U	20.00	90.0		200.8
Thallium	70 - 130	18.5		0.006	J	20.00	92.5		200.8
Vanadium	70 - 130	21.7		1.89		20.00	99.0		200.8
Zinc	70 - 130	24.4		5.4		20.00	95.0		200.8

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

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SPIKE SAMPLE RECOVERY

Client: Exponent Service Request: K1004575  
 Project No.: 0907194.000.0601 Units: UG/L  
 Project Name: Heglur Kronquist Basis: N/A  
 Matrix: WATER % Solids: 0.0

Sample Name: BH-14S

Lab Code: K1004575-003S DISS

Analyte	Control Limit %R	Spike Result C	Sample Result C	Spike Added	%R	Q	Method
Mercury	70 - 130	1.04	0.02 U	1.00	104.0		245.1

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

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**POST SPIKE SAMPLE RECOVERY**

Client: Exponent  
 Project No.: 0907194.000.0601  
 Project Name: Heglar Kronquist  
 Matrix: WATER

Service Request: K1004575

Units: UG/L

Basis: N/A

Sample Name: Batch QCA

Lab Code: K1004452-001A

Analyte	Control Limit %R	Spike Result C	Sample Result C	Spike Added	%R	Q	Method
Mercury	85 - 115	1.07	0.02 U	1.00	107		245.1

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DUPLICATES

Client: Exponent  
 Project No.: 0907194.000.0601  
 Project Name: Heglar Kronquist  
 Matrix: WATER

Service Request: K1004575  
 Units: UG/L  
 Basis: N/A  
 % Solids: 0.0

Sample Name: BH-12D

Lab Code: K1004575-001D DISS

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	20	1070		1080		0.9		200.7
Antimony		0.082		0.069		17.2		200.8
Arsenic		2.1		2.2		4.7		200.8
Barium	20	150		152		1.3		200.7
Beryllium		0.042		0.046		9.1		200.8
Cadmium		0.051		0.060		16.2		200.8
Calcium	20	58000		58700		1.2		200.7
Chromium	20	1.39		1.44		3.5		200.8
Cobalt	20	4.230		4.240		0.2		200.8
Copper	20	2.56		2.60		1.6		200.8
Iron	20	2070		2090		1.0		200.7
Lead	20	0.684		0.680		0.6		200.8
Magnesium	20	22800		22800		0.0		200.7
Manganese	20	560		563		0.5		200.7
Nickel	20	5.27		5.31		0.8		200.8
Potassium	20	7220		7300		1.1		200.7
Selenium		0.5	J	0.3	J	50.0		200.8
Silver		0.004	U	0.004	U			200.8
Sodium	20	31900		32500		1.9		200.7
Thallium		0.006	J	0.008	J	28.6		200.8
Vanadium	20	1.89		1.86		1.6		200.8
Zinc	20	5.4		5.6		3.6		200.8

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

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DUPLICATES

Client: Exponent Service Request: K1004575  
 Project No.: 0907194.000.0601 Units: UG/L  
 Project Name: Heglär Kronquist Basis: N/A  
 Matrix: WATER % Solids: 0.0

Sample Name: BH-10D

Lab Code: K1004575-002D DISS

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury		0.02	U	0.02	U			245.1

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

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## LABORATORY CONTROL SAMPLE

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglär Kronquist

Aqueous LCS Source: CAS MIXED

Solid LCS Source:

Analyte	Aqueous: ug/L			Solid: mg/kg				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	5000	5030	100.6					
Antimony	20	19.4	97.0					
Arsenic	20	18.0	90.0					
Barium	5000	5080	101.6					
Beryllium	20	19.0	95.0					
Cadmium	20	19.5	97.5					
Calcium	12500	12400	99.2					
Chromium	20	19.1	95.5					
Cobalt	20	19.0	95.0					
Copper	20	19.9	99.5					
Iron	2500	2500	100.0					
Lead	20	19.8	99.0					
Magnesium	12500	12500	100.0					
Manganese	1250	1220	97.6					
Mercury	5	5.24	104.8					
Nickel	20	19.2	96.0					
Potassium	12500	12700	101.6					
Selenium	20	19.4	97.0					
Silver	20	18.4	92.0					
Sodium	12500	12700	101.6					
Thallium	20	19.2	96.0					
Vanadium	20	19.6	98.0					
Zinc	20	20.0	100.0					

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ICP SERIAL DILUTIONS

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

Service Request: K1004575  
 Units: UG/L

Sample Name: BH-12L

Lab Code: K1004575-001L DISS

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	M
Aluminum	1067.41	1081.35	1.3		P
Barium	150.45	151.95	1.0		P
Calcium	58015.86	59715.20	2.9		P
Iron	2065.63	2093.70	1.4		P
Magnesium	18701.81	22564.65	20.7	E	P
Manganese	559.58	564.70	0.9		P
Potassium	7219	7026	3		P
Sodium	31921.92	30172.55	5.5		P

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DETECTION LIMITS

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP/ICP-MS ID #: K-ICP-MS-03

GFAA ID #:

AA ID #:

Analyte	Isotope	Back-ground	MRL ug/L	MDL ug/L	M
Antimony	123		0.050	0.005	MS
Arsenic	75		0.5	0.1	MS
Beryllium	9		0.020	0.006	MS
Cadmium	111		0.020	0.005	MS
Chromium	52		0.20	0.020	MS
Cobalt	59		0.020	0.006	MS
Copper	65		0.10	0.02	MS
Lead	208		0.020	0.005	MS
Nickel	60		0.20	0.02	MS
Selenium	82		1.0	0.3	MS
Silver	107		0.020	0.004	MS
Thallium	205		0.020	0.005	MS
Vanadium	51		0.20	0.03	MS
Zinc	66		0.5	0.2	MS

Comments:

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DETECTION LIMITS

Client: Exponent

Service Request: K1004575

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
Barium	233.5		5	0.6	P
Calcium	211.2		50	6.0	P
Iron	259.90		20	0.8	P
Magnesium	202.5		20	0.3	P
Manganese	257.61		5	0.2	P
Potassium	766.49		400	40.0	P
Sodium	330.23		100	20.0	P

Comments:

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DETECTION LIMITS

Client: Exponent

Service Request: K1004575

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		0.2	0.02	CV

Comments:

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ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-AES-02

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Comments:

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ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-AES-02

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Comments:

## METALS

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## ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-AES-02

Analyte	Wave-length (nm)	Interelement Correction Factors for:			
		Ni	P	Ti	V
Aluminum	308.215	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
Barium	493.409	0.0000000	0.0000000	0.0000000	-0.0014400
Beryllium	313.042	0.0000000	0.0000000	-0.0000200	0.0016600
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	-0.0000900	0.0000000	0.0000500	0.0000000
Calcium	211.2	0.0000000	0.0000000	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
Copper	324.754	0.0000000	0.0000000	0.0000000	-0.0008400
Iron	271.4	0.0000000	0.0000000	0.0000000	-0.0315100
Lead	220.353	0.0003800	0.0000000	-0.0006200	0.0000000
Magnesium	202.5	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
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	214.9	0.0000000	0.0000000	0.0000000	-0.0020400
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0007900	0.0000000	0.0000000	0.0004900
Silicon	228.158	0.0000000	0.0000000	0.0753200	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0007300	0.0000000
Sodium	588.995	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
Tin	189.989	0.0000000	0.0000000	-0.0015800	0.0000000
Titanium	334.941	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

Comments:

METALS

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-AES-02

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
Aluminum	308.215					
Antimony	206.838					
Arsenic	189.042					
Barium	493.409					
Beryllium	313.042					
Boron	249.678					
Cadmium	228.802					
Calcium	211.2					
Chromium	267.716					
Cobalt	228.616					
Copper	324.754					
Iron	271.4					
Lead	220.353					
Magnesium	202.5					
Manganese	293.9					
Molybdenum	202.03					
Nickel	231.604					
Phosphorus	214.9					
Potassium	766.491					
Selenium	196.026					
Silicon	228.158					
Silver	328.068					
Sodium	588.995					
Strontium	421.552					
Thallium	190.864					
Tin	189.989					
Titanium	334.941					
Vanadium	292.402					
Zinc	213.856					

Comments:

\_\_\_\_\_

METALS  
-12-  
ICP LINEAR RANGES (QUARTERLY)

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

Service Request: K1004575

ICP ID Number: K-ICP-AES-02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum	5.000	900000	200.7
Barium	5.000	45000	200.7
Calcium	5.000	1800000	200.7
Iron	5.000	900000	200.7
Magnesium	5.000	900000	200.7
Manganese	5.000	180000	200.7
Potassium	5.000	450000	200.7
Sodium	5.000	180000	200.7

Comments:

METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-MS-03

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony	15.000	2000	200.8
Arsenic	15.000	2000	200.8
Beryllium	15.000	2000	200.8
Cadmium	15.000	2000	200.8
Chromium	15.000	2000	200.8
Cobalt	15.000	2000	200.8
Copper	15.000	2000	200.8
Lead	15.000	2000	200.8
Nickel	15.000	2000	200.8
Selenium	15.000	2000	200.8
Silver	15.000	2000	200.8
Thallium	15.000	2000	200.8
Vanadium	15.000	1000	200.8
Zinc	15.000	2000	200.8

Comments:



METALS  
-13-  
PREPARATION LOG

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglur Kronquist

Method: CV

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1004575-001 DISS	5/10/2010	20.0	20.0
K1004575-002 DISS	5/10/2010	20.0	20.0
K1004575-002D DISS	5/10/2010	20.0	20.0
K1004575-003 DISS	5/10/2010	20.0	20.0
K1004575-003S DISS	5/10/2010	20.0	20.0
K1004575-004 DISS	5/10/2010	20.0	20.0
K1004575-MB	5/10/2010	20.0	20.0
LCSW	5/10/2010	20.0	20.0

METALS  
-13-  
PREPARATION LOG

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglur Kronquist

Method: MS

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1004575-001 DISS	5/13/2010	50.0	50.0
K1004575-001D DISS	5/13/2010	50.0	50.0
K1004575-001S DISS	5/13/2010	50.0	50.0
K1004575-002 DISS	5/13/2010	50.0	50.0
K1004575-003 DISS	5/13/2010	50.0	50.0
K1004575-004 DISS	5/13/2010	50.0	50.0
K1004575-MB	5/13/2010	50.0	50.0
LCSW	5/13/2010	50.0	50.0

METALS  
-13-  
PREPARATION LOG

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Method: P

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1004575-001 DISS	5/13/2010	50.0	50.0
K1004575-001D DISS	5/13/2010	50.0	50.0
K1004575-001S DISS	5/13/2010	50.0	50.0
K1004575-002 DISS	5/13/2010	50.0	50.0
K1004575-003 DISS	5/13/2010	50.0	50.0
K1004575-004 DISS	5/13/2010	50.0	50.0
K1004575-MB	5/13/2010	50.0	50.0
LCSW	5/13/2010	50.0	50.0

METALS  
- 14 -  
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-AES-02

Method: P

Start Date: 5/26/2010

End Date: 5/26/2010

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 G	A A	N L	T L	V N	Z N	C N				
Blank	1	08:36		X		X		X				X	X	X				X		X											
STDB	1	08:39		X		X		X				X	X	X				X		X											
STDA	1	08:42						X				X	X	X																	
ICV1	1	08:45		X		X		X				X	X	X				X		X											
ICV1	1	08:48						X				X	X	X																	
ICB1	1	08:51		X		X		X				X	X	X				X		X											
CCV1	1	08:55		X		X		X				X	X	X				X		X											
CCV1	1	09:00						X				X	X	X																	
CCB1	1	09:06		X		X		X				X	X	X				X		X											
CRDL1	1	09:09		X		X		X				X	X	X				X		X											
ICS-A1	1	09:12		X		X		X				X	X	X				X		X											
ICS-AB1	1	09:15		X		X		X				X	X	X				X		X											
ZZZZZZ	1	09:18																													
CCV2	1	09:21		X		X		X				X	X	X				X		X											
CCV2	1	09:24						X				X	X	X																	
CCB2	1	09:27		X		X		X				X	X	X				X		X											
K1004575-MB	1	09:50		X		X		X				X	X	X				X		X											
LCSW	1	09:53		X		X		X				X	X	X				X		X											
K1004575-001 DISS	1	09:56		X		X		X				X	X	X				X		X											
K1004575-001D DISS	1	09:59		X		X		X				X	X	X				X		X											
K1004575-001L DISS	5	10:01		X		X		X				X	X	X				X		X											
K1004575-001S DISS	1	10:04		X		X						X		X																	
K1004575-002 DISS	1	10:07		X		X		X				X	X	X				X		X											
K1004575-003 DISS	1	10:10		X		X		X				X	X	X				X		X											
K1004575-004 DISS	1	10:13		X		X		X				X	X	X				X		X											
ZZZZZZ	1	10:16																													
CCV3	1	10:19		X		X		X				X	X	X				X		X											
CCV3	1	10:22						X				X	X	X																	
CCB3	1	10:25		X		X		X				X	X	X				X		X											
ZZZZZZ	1	10:28																													
ZZZZZZ	1	10:31																													
ZZZZZZ	1	10:34																													

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

METALS  
- 14 -  
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 5/14/2010

End Date: 5/15/2010

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	11:19		X	X		X	X		X	X	X		X				X	X	X		X	X		X	X		X	X		X	X	
Cal. Stn	1	11:24		X	X		X	X		X	X	X		X				X	X	X		X	X		X	X		X	X		X	X	
ICV1	1	11:28		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
CCV1	1	11:34		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
ICB1	1	11:49		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
CCB1	1	11:53		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
CRDL1	1	11:58		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
ICS-A1	1	12:07		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
ICS-AB1	1	12:13		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
CRA1	1	12:53		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
ZZZZZZ	1	12:57																															
ZZZZZZ	1	13:01																															
ZZZZZZ	1	13:06																															
ZZZZZZ	1	13:12																															
ZZZZZZ	1	13:16																															
ZZZZZZ	5	13:21																															
ZZZZZZ	1	13:25																															
CCV2	1	13:31		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
CCB2	1	13:41		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
ZZZZZZ	1	13:46																															
ZZZZZZ	1	13:51																															
ZZZZZZ	1	13:56																															
ZZZZZZ	1	14:01																															
ZZZZZZ	1	14:05																															
ZZZZZZ	1	14:10																															
ZZZZZZ	1	14:14																															
ZZZZZZ	1	14:19																															
ZZZZZZ	1	14:23																															
ZZZZZZ	1	14:28																															
CCV3	1	14:32		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
CCB3	1	14:42		X	X		X	X		X	X							X	X	X		X	X		X	X		X	X		X	X	
ZZZZZZ	1	14:47																															

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

METALS  
- 14 -  
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 5/14/2010

End Date: 5/15/2010

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				
ZZZZZZ	1	14:51																													
ZZZZZZ	1	14:56																													
ZZZZZZ	1	15:00																													
ZZZZZZ	1	15:05																													
ZZZZZZ	1	15:10																													
ZZZZZZ	1	15:15																													
ZZZZZZ	1	15:20																													
ZZZZZZ	1	15:25																													
ZZZZZZ	1	15:30																													
CCV4	1	15:34		X	X		X	X		X	X							X		X	X		X				X	X			
CCB4	1	15:44		X	X		X	X		X	X							X		X	X		X				X	X			
ZZZZZZ	1	15:48																													
ZZZZZZ	1	15:53																													
ZZZZZZ	1	15:58																													
ZZZZZZ	1	16:04																													
ZZZZZZ	1	16:10																													
ZZZZZZ	1	16:17																													
ZZZZZZ	1	16:25																													
ZZZZZZ	1	16:30																													
ZZZZZZ	1	16:34																													
ZZZZZZ	1	16:41																													
CCV5	1	16:54		X	X		X	X		X	X							X		X	X		X				X	X			
CCB5	1	17:10		X	X		X	X		X	X							X		X	X		X				X	X			
ZZZZZZ	1	17:14																													
ZZZZZZ	1	17:19																													
ZZZZZZ	1	17:24																													
ZZZZZZ	1	17:29																													
ZZZZZZ	1	17:33																													
ZZZZZZ	1	17:38																													
ZZZZZZ	1	17:42																													
ZZZZZZ	1	17:47																													
ZZZZZZ	1	17:51																													

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

METALS  
- 14 -  
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 5/14/2010

End Date: 5/15/2010

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				
ZZZZZZ	1	17:56																													
CCV6	1	18:01		X	X	X	X	X	X									X	X	X	X										
CCB6	1	18:07		X	X	X	X	X	X									X	X	X	X										
ZZZZZZ	1	18:20																													
K1004575-MB	1	18:25		X	X	X	X	X	X									X	X	X	X										
LCSW	1	18:29		X	X	X	X	X	X									X	X	X	X										
ZZZZZZ	1	18:35																													
ZZZZZZ	1	18:39																													
ZZZZZZ	1	18:44																													
ZZZZZZ	1	18:49																													
ZZZZZZ	1	18:54																													
ZZZZZZ	1	18:58																													
ZZZZZZ	1	19:03																													
CCV7	1	19:08		X	X	X	X	X	X									X	X	X	X										
CCB7	1	19:22		X	X	X	X	X	X									X	X	X	X										
ZZZZZZ	1	19:26																													
ZZZZZZ	1	19:31																													
K1004575-001 DISS	1	19:36		X	X	X	X	X	X									X	X	X	X										
K1004575-001D DISS	1	19:40		X	X	X	X	X	X									X	X	X	X										
K1004575-001S DISS	1	19:45		X	X	X	X	X	X									X	X	X	X										
K1004575-002 DISS	1	19:50		X	X	X	X	X	X									X	X	X	X										
K1004575-003 DISS	1	19:56		X	X	X	X	X	X									X	X	X	X										
K1004575-004 DISS	1	20:03		X	X	X	X	X	X									X	X	X	X										
ZZZZZZ	1	20:07																													
ZZZZZZ	1	20:13																													
CCV8	1	20:17		X	X	X	X	X	X									X	X	X	X										
CCB8	1	20:32		X	X	X	X	X	X									X	X	X	X										
ZZZZZZ	1	20:37																													
ZZZZZZ	1	20:43																													
ZZZZZZ	1	20:50																													
ZZZZZZ	1	21:05																													
ZZZZZZ	1	21:09																													

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

METALS  
- 14 -  
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 5/17/2010

End Date: 5/17/2010

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	16:55											X	X														X			
Cal. Stn	1	16:57											X	X														X			
ICV2	1	17:00											X	X														X			
CCV1	1	17:03											X	X														X			
ICB2	1	17:05											X	X														X			
CCB1	1	17:08											X	X														X			
CRA2	1	17:16											X	X														X			
ICS-A2	1	17:18											X	X														X			
ICS-AB2	1	17:21											X	X														X			
ZZZZZZ	1	17:23																													
ZZZZZZ	1	17:26																													
ZZZZZZ	1	17:29																													
ZZZZZZ	1	17:32																													
ZZZZZZ	1	17:34																													
ZZZZZZ	1	17:37																													
ZZZZZZ	1	17:40																													
CCV2	1	17:42											X	X														X			
CCB2	1	17:45											X	X														X			
ZZZZZZ	1	17:48																													
K1004575-MB	1	17:50											X	X														X			
LCSW	1	17:53											X	X														X			
ZZZZZZ	1	17:56																													
ZZZZZZ	1	17:58																													
ZZZZZZ	1	18:01																													
ZZZZZZ	1	18:04																													
ZZZZZZ	1	18:07																													
ZZZZZZ	1	18:09																													
ZZZZZZ	1	18:12																													
CCV3	1	18:15											X	X														X			
CCB3	1	18:20											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: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 5/18/2010

End Date: 5/18/2010

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	13:59										X	X														X		
Cal. Stn	1	14:03										X	X														X		
ICV3	1	14:06										X	X														X		
CCV1	1	14:09										X	X														X		
ICB3	1	14:11										X	X														X		
CCB1	1	14:14										X	X														X		
CRDL3	1	14:17										X	X														X		
ICS-A3	1	14:19										X	X														X		
ICS-AB3	1	14:22										X	X														X		
ZZZZZZ	1	14:25																											
ZZZZZZ	1	14:28																											
K1004575-001 DISS	1	14:30										X	X														X		
K1004575-001D DISS	1	14:33										X	X														X		
K1004575-001S DISS	1	14:36										X	X														X		
K1004575-002 DISS	1	14:38										X	X														X		
K1004575-003 DISS	1	14:41										X	X														X		
CCV2	1	14:44										X	X														X		
CCB2	1	14:47										X	X														X		
K1004575-004 DISS	1	14:49										X	X														X		
ZZZZZZ	1	14:52																											
ZZZZZZ	1	14:55																											
ZZZZZZ	1	14:58																											
ZZZZZZ	1	15:00																											
ZZZZZZ	1	15:03																											
ZZZZZZ	1	15:06																											
ZZZZZZ	1	15:09																											
ZZZZZZ	1	15:11																											
ZZZZZZ	1	15:14																											
CCV3	1	15:17										X	X														X		
CCB3	1	15:19										X	X														X		
ZZZZZZ	1	15:22																											
ZZZZZZ	1	15:25																											

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

**METALS**  
- 14 -  
**ANALYSIS RUN LOG**

Client: Exponent

Service Request: K1004575

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-CVAA-01

Method: CV

Start Date: 5/12/2010

End Date: 5/12/2010

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		
Standard #1	1	14:10																								X			
Standard #2	1	14:11																								X			
Standard #3	1	14:13																								X			
Standard #4	1	14:15																								X			
Standard #5	1	14:17																								X			
ICV1	1	14:18																								X			
ICB1	1	14:20																								X			
CCV1	1	14:22																								X			
CCB1	1	14:24																								X			
CRDL1	1	14:25																								X			
K1004575-MB	1	14:27																								X			
LCSW	1	14:29																								X			
ZZZZZZ	1	14:31																											
ZZZZZZ	1	14:33																											
ZZZZZZ	1	14:34																											
ZZZZZZ	1	14:36																											
ZZZZZZ	1	14:38																											
ZZZZZZ	1	14:40																											
ZZZZZZ	1	14:41																											
CCV2	1	14:43																								X			
CCB2	1	14:45																								X			
ZZZZZZ	1	14:47																											
ZZZZZZ	1	14:49																											
K1004575-001 DISS	1	14:50																								X			
K1004575-002 DISS	1	14:52																								X			
K1004575-002D DISS	1	14:54																								X			
K1004575-003 DISS	1	14:56																								X			
K1004575-003S DISS	1	14:57																								X			
K1004575-004 DISS	1	14:59																								X			
ZZZZZZ	1	15:01																											
ZZZZZZ	1	15:03																											
CCV3	1	15:05																								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:** K1004575

**Project No.:** 0907194.000.0601

**Project Name:** Heglar Kronquist

**Instrument ID Number:** K-CVAA-01

**Method:** CV

**Start Date:** 5/12/2010

**End Date:** 5/12/2010

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			
CCB3	1	15:06																									X			
ZZZZZZ	1	15:08																												
ZZZZZZ	1	15:10																												
ZZZZZZ	1	15:12																												
ZZZZZZ	1	15:13																												
ZZZZZZ	1	15:15																												
ZZZZZZ	1	15:17																												
ZZZZZZ	1	15:19																												

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



**Prep Run:** 111321    **Prep Workflow:** MetDigAqICP    **Status:** Prepped    **Prep Date:** 05/13/2010  
**Team:** Metals    **Prep Method:** EPA 3010A    **Current Step:** Digestion    **04:00**  
**Analyst:** B.SHELDON    **Rush/NPDES:** N/A    **Due Date:** 05/24/2010

Lab Code	Client ID	Bottle #	Initial Amt	Final Volume	Spike Amt	Spike ID	TestNo List	Comments
KQ1004261-01	Method Blank		50 mL	50 mL			Metals D	1%HNO3,5%HCl
KQ1004261-02	Lab Control Sample		50 mL	50 mL	0.25 mL 0.25 mL 0.25 mL 0.5 mL	12778 12779 14972 16626	Metals D	1%HNO3,5%HCl
K1004575-001	BH-12	.17	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004575-001: KQ1004261-04	Duplicate	.17	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004575-001: KQ1004261-05	Matrix Spike	.17	50 mL	50 mL	0.5 mL 0.5 mL 0.5 mL	16626 17064 17544	Metals D	1%HNO3,5%HCl
K1004575-002	BH-10	.17	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004575-003	BH-14	.17	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004575-004	EB-050610	.17	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004635-001	BH-11-62	.12	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004635-002	EB-050710	.12	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004635-003	BH-9	.12	50 mL	50 mL			Metals D	1%HNO3,5%HCl

11 Total Samples consisting of 7 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 QCP-CICV-1	Spike	12779	10/1/2010	K-MET SS1	Spike	17544	9/11/2010
K-MET QCP-CICV-2	Spike	12778	7/1/2010	K-MET SS3	Spike	17064	12/1/2010
K-MET QCP-CICV-3	Spike	14972	1/28/2011	K-MET SS4	Spike	16626	10/1/2010

**Preparation Materials**

Step	Name	ID	Step	Name	ID
Digestion	K-MET HNO3	15193	Digestion	K-MET 50ml Centrifuge Tube	16850
Digestion	K-MET HCL	16810			

**Preparation Hardware / Equipment**

Step	Name	Property	Value
Digestion	K-BlockDigerster-06	Temperature	95 deg C

**Preparation Steps**

Step	Started	Finished	By	Assisted By	Training?	Comments
Digestion	13-MAY-10 04:00	13-MAY-10 07:00	B.SHELDON		N	

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**Comments**

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**Review**

Reviewed by: \_\_\_\_\_

*S*

Date: \_\_\_\_\_

*5/14/10*

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	-	0.5
	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	-	0.5
	As	50.0	500ml	100	
	Se	50.0	500ml	100	
	Tl	50.0	500ml	100	
K-MET SS4	HNO3	25	500ml	-	0.5
	B	50	500ml	100	
	Mo	50	500ml	100	
K-MET SS5	HNO3	10.0	200ml	-	
	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	0.25
	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	0.25
K-MET QCP-CICV-3	As, Pb, Se, Tl	no dilution	-	500	0.25
	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** Preparation Information Benchsheet

**Prep Run:** 111319      **Prep Workflow:** MetDigAqMS      **Status:** Prepped      **Prep Date:** 05/13/2010  
**Team:** Metals      **Prep Method:** EPA CLP- METALS      **Current Step:** Digestion      **Due Date:** 01:00  
**Analyst:** B.SHELDON      **Rush/NPDES:** N/A      **ILM04.0**

Lab Code	Client ID	Bottle #	Initial Amt	Final Volume	Spike Amt	Spike ID	TestNo List	Comments
KQ1004259-01	Method Blank		50 mL	50 mL			Metals D, Metals T	1%HNO3
KQ1004259-02	Lab Control Sample		50 mL	50 mL	1 mL 1 mL	11605 17425	Metals D, Metals T	1%HNO3
K1004510-001	SW-1-0510-2	.04	50 mL	50 mL			Metals D	1%HNO3
K1004510-001	SW-1-0510-2	.03	50 mL	50 mL			Metals T	1%HNO3
K1004510-001: KQ1004259-05	Duplicate	.03	50 mL	50 mL			Metals T	1%HNO3
K1004510-001: KQ1004259-06	Matrix Spike	.03	50 mL	50 mL	1 mL 1 mL	11605 17425	Metals T	1%HNO3
K1004510-002	SW-3-0510-2	.04	50 mL	50 mL			Metals D	1%HNO3
K1004510-002	SW-3-0510-2	.03	50 mL	50 mL			Metals T	1%HNO3
K1004510-003	SW-5-0510-2	.04	50 mL	50 mL			Metals D	1%HNO3
K1004510-003	SW-5-0510-2	.03	50 mL	50 mL			Metals T	1%HNO3
K1004510-005	STW-001-0510-2	.03	50 mL	50 mL			Metals T	1%HNO3
K1004575-001	BH-12	.17	50 mL	50 mL			Metals D	1%HNO3
K1004575-001: KQ1004259-03	Duplicate	.17	50 mL	50 mL			Metals D	1%HNO3
K1004575-001: KQ1004259-04	Matrix Spike	.17	50 mL	50 mL	1 mL 1 mL	11605 17425	Metals D	1%HNO3
K1004575-002	BH-10	.17	50 mL	50 mL			Metals D	1%HNO3
K1004575-003	BH-14	.17	50 mL	50 mL			Metals D	1%HNO3
K1004575-004	EB-050610	.17	50 mL	50 mL			Metals D	1%HNO3
K1004635-001	BH-11-62	.12	50 mL	50 mL			Metals D	1%HNO3
K1004635-002	EB-050710	.12	50 mL	50 mL			Metals D	1%HNO3
K1004635-003	BH-9	.12	50 mL	50 mL			Metals D	1%HNO3

17 Total Samples consisting of 11 Client Samples, 4 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 200.8 1000ug/L Stock	Spike	17425	10/24/2010	K-MET Ag 1000 ppb Stock	Spike	11605	8/17/2010

**Preparation Materials**

Step	Name	ID	Step	Name	ID
Digestion	K-MET HN03 ULTREX	16811	Digestion	K-MET 50ml Centrifuge Tube	16850

**Preparation Hardware / Equipment**

Step	Name	Property	Value	
Digestion	K-BlockDigester-06	Temperature	95	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	13-MAY-10 01:00	13-MAY-10 03:30	B.SHELDON		N	

**Comments****Review**

Reviewed by: \_\_\_\_\_



Date: \_\_\_\_\_

5/14/10



# CVAA Mercury Data Review Form

Element: Hg

Analysis Lot #: 200301

Cal. STD/CCV Source: HG1-91-U

Service Request Numbers:

K1004452, K1004467, K1004502, K1004571, K1004575, K1004635,  
K1004516, K1004573

	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: MS (initials)

Primary Reviewed By: MAS

Date: 5/12/10

Secondary Reviewed By: JOB

Date: 5/12/10

Method: (Circle One) 7470A 7471A <b>245.1</b>	Service Request # : K1004452, K1004467, K1004502, K1004571, K1004575, K1004635, K1004516, K1004573
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	Measured (µg/L)	Sample Actual (mg/kg)	Sample Actual (µg/L)
1	ICV1	~	~	~	5.03		101%
2	ICB1	~	~	~	0.00		< 0.2
3	CCV1	~	~	~	5.29		106%
4	CCB1	~	~	~	0.00		< 0.2
5	CRA1	~	~	~	0.21		105%
6	K1004452-MB	100	100	~	0.00		0.00
7	LCSW K1004452	100	100	~	5.24		105%
8	K1004452-001	100	100	~	0.00		0.00
9	K1004452-001A	100	100	~	1.07		107%
10	K1004452-001D	100	100	~	0.00		0.00
11	K1004452-001S	100	100	~	1.02		102%
12	K1004452-004	100	100	~	0.05		0.05
13	K1004467-001	100	100	~	0.00		0.00
14	K1004502-005	100	100	~	0.00		0.00
15	CCV2	~	~	~	5.23		105%
16	CCB2	~	~	~	0.00		< 0.2
17	K1004571-003	100	100	~	0.03		0.03
18	K1004571-004	100	100	~	0.01		0.01
19	K1004575-001	100	100	~	0.01		0.01
20	K1004575-002	100	100	~	0.00		0.00
21	K1004575-002D	100	100	~	0.00		0.00
22	K1004575-003	100	100	~	0.00		0.00
23	K1004575-003S	100	100	~	1.04		104%
24	K1004575-004	100	100	~	0.00		0.00
25	K1004635-001	100	100	~	0.00		0.00

Comments: Reporting Levels:

Soil/Tissue Spike Level:

Post Spike Level: 1.0 ppb

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%	60-130%	30%
7471A Tissue Tort	0.27 mg/kg	0.02 mg/kg	63-130%	60-130%	30%

Analyst: <i>Melina G. H.</i>	Date: <i>5/12/10</i>	Page Number: 1
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Method: (Circle One) 7470A 7471A <b>245.1</b>	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	Measured (µg/L)	Sample Actual (mg/kg)	Sample Actual (µg/L)
26	K1004635-002	100	100	~	0.01		0.01
27	CCV3	~	~	~	5.13		103%
28	CCB3	~	~	~	-0.01		< 0.2
29	K1004635-003	100	100	~	0.01		0.01
30	K1004516-001	100	100	~	0.01		0.01
31	K1004516-002	100	100	~	0.00		0.00
32	K1004573-001	100	100	~	0.00		0.00
33	K1004573-002	100	100	~	0.01		0.01
34	CCV4	~	~	~	5.40		108%
35	CCB4	~	~	~	0.00		< 0.2
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							

MSS/12/10

Comments: Reporting Levels:

Soil/Tissue Spike Level:

Post Spike Level:

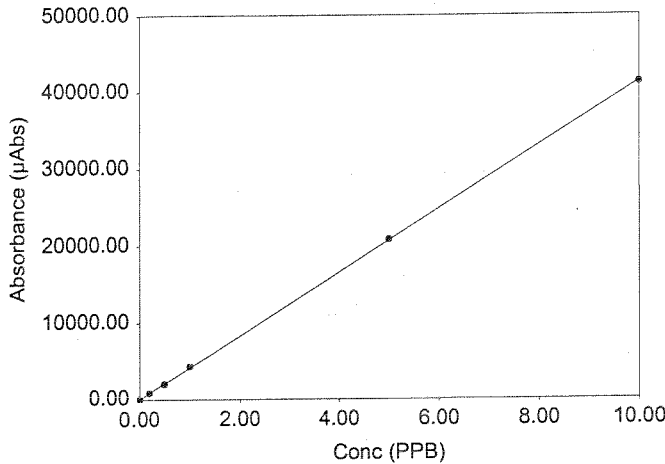
Method	Spike Level	MRL	LCS Limit	MS Limit	RPD
7470A Water	1.0 µg/L	0.2 µg/L	83-117%	76-126%	20%
245.1 Water	1.0 µg/L	0.2 µg/L	85-115%	70-130%	20%
7470A TCLP	5.0 µg/L	1.0 µg/L	85-115%	75-125%	20%
7471A Soil LCSS	6.80 mg/kg	0.02 mg/kg	72-128%	60-130%	30%
7471A Tissue Tort	0.27 mg/kg	0.02 mg/kg	63-130%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

Analyst: <i>M. A. C. H.</i>	Date: <i>12/10</i>	Page Number: 2
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Analyst M SMITH  
 Date Started Wednesday, May 12, 2010, 14:08:19  
 Worksheet Hg 051210C  
 Comment K-CVAA-01

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
Calibration Zero	12-May-2010, 14:08	0.00	4.19	68.20	70	71	67	65	
Standard #1	12-May-2010, 14:10	0.20	0.71	877.00	875	883	881	869	
Standard #2	12-May-2010, 14:11	0.50	1.97	2050.00	2003	2025	2069	2092	
Standard #3	12-May-2010, 14:13	1.00	2.96	4330.00	4164	4293	4414	4445	
Standard #4	12-May-2010, 14:15	5.00	0.47	20800.00	20668	20782	20859	20888	
Standard #5	12-May-2010, 14:17	10.00	0.58	41200.00	40889	41100	41387	41371	

Calibration Data



Int. Slope 0.000  
 4128.529  
 Correlation 0.99997

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
ICV1	12-May-2010, 14:18	5.03	0.24	20800.00	20711	20730	20767	20823	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
ICB1	12-May-2010, 14:20	-0.00	30.20	-10.80	-10	-8	-10	-16	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCV1	12-May-2010, 14:22	5.29	2.28	21800.00	21131	21801	22124	22239	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCB1	12-May-2010, 14:24	-0.00	25.40	-17.20	-14	-24	-15	-16	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CRA1	12-May-2010, 14:25	0.21	0.93	872.00	871	866	866	883	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
K1004452-MB	12-May-2010, 14:27	0.00	45.50	14.30	20	8	10	20	
LCSW K1004452	12-May-2010, 14:29	5.24	0.51	21600.00	21557	21525	21670	21768	
K1004452-001	12-May-2010, 14:31	-0.00	26.30	-16.90	-18	-19	-10	-21	
K1004452-001A	12-May-2010, 14:33	1.07	1.47	4410.00	4447	4439	4434	4310	
K1004452-001D	12-May-2010, 14:34	0.00	25.50	17.70	14	24	17	16	
K1004452-001S	12-May-2010, 14:36	1.02	0.69	4230.00	4254	4212	4195	4252	
K1004452-004	12-May-2010, 14:38	0.05	4.08	198.00	193	192	210	198	
K1004467-001	12-May-2010, 14:40	0.00	113.00	8.88	16	19	3	-2	
K1004502-005	12-May-2010, 14:41	0.00	80.80	10.70	0	17	7	18	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCV2	12-May-2010, 14:43	5.23	0.88	21600.00	21329	21541	21670	21768	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCB2	12-May-2010, 14:45	-0.00	66.50	-11.00	-3	-8	-14	-20	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
K1004571-003	12-May-2010, 14:47	0.03	4.52	108.00	107	108	114	102	
K1004571-004	12-May-2010, 14:49	0.01	20.70	59.10	42	72	61	61	
K1004575-001	12-May-2010, 14:50	0.01	16.40	33.60	40	36	29	29	
K1004575-002	12-May-2010, 14:52	0.00	45.70	15.10	13	25	15	8	
K1004575-002D	12-May-2010, 14:54	0.00	34.90	14.20	13	12	16	17	

Analyst M SMITH  
 Date Started Wednesday, May 12, 2010, 14:56:10  
 Worksheet Hg 051210C  
 Comment K-CVAA-01

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
K1004575-003	12-May-2010, 14:56	0.00	29.80	17.00	13	14	17	24	
K1004575-003S	12-May-2010, 14:57	1.04	0.35	4280.00	4260	4294	4283	4290	
K1004575-004	12-May-2010, 14:59	-0.00	27.40	-7.83	-7	-5	-9	-10	
K1004635-001	12-May-2010, 15:01	0.00	26.60	8.91	11	8	10	6	
K1004635-002	12-May-2010, 15:03	0.01	13.80	22.60	26	21	19	24	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCV3	12-May-2010, 15:05	5.13	0.52	21200.00	21040	21154	21265	21278	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCB3	12-May-2010, 15:06	-0.01	31.90	-20.80	-20	-13	-29	-21	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
K1004635-003	12-May-2010, 15:08	0.01	26.20	24.40	25	33	17	22	
K1004516-001	12-May-2010, 15:10	0.01	39.10	23.50	20	21	37	16	
K1004516-002	12-May-2010, 15:12	0.00	220.00	2.81	12	0	-0	-1	
K1004573-001	12-May-2010, 15:13	0.00	107.00	5.50	4	9	11	-2	
K1004573-002	12-May-2010, 15:15	0.01	4.99	28.10	29	28	26	29	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCV4	12-May-2010, 15:17	5.40	0.23	22300.00	22352	22257	22233	22298	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCB4	12-May-2010, 15:19	0.00	36.50	8.23	12	9	4	8	

Columbia Analytical Services  
EPA METHOD 7470A

Service Request Number(s) : K1004452, K1004467, K1004502, K1004571, K1004575,  
PREP RUN: 111086, 111087 K1004635, K1004516, K1004573

Sample	Initial Volume	Final Volume	Sample	Initial Volume	Final Volume
MB	100	100			
LCSW	7	7			
K1004452-001					
K1004452-001D					
K1004452-001S					
K1004452-004					
K1004467-001					
K1004467-001D					
K1004467-001S					
K1004502-005					
K1004571-003					
K1004571-004					
K1004575-001					
K1004575-002					
K1004575-003					
K1004575-004					
K1004635-001					
K1004635-002					
K1004635-003					
K1004516-001					
K1004516-002					
K1004573-001					
K1004573-002					
L1004575-OLD					
↓ -035					
Std. 0.2	0.1 *				50
Std. 0.5	0.25 *				50
Std. 1.0	0.5 *				50
Std. 5.0	2.5 *				50
Std. 10.0	5.0 *				50
ICV	0.25 **				50

Start Time: 9:30 Finish Time: 3:20 Waterbath Temp.: 95° C  
Balance#: 1

Lot # of Reagents Used:		
HNO <sub>3</sub> : H14024	K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> : G19476	NaCl : G28620
H <sub>2</sub> SO <sub>4</sub> : 47269	KMnO <sub>4</sub> : G25592	NH <sub>2</sub> OH-HCL: E31591
HCL: 201002101	SnCl <sub>2</sub> : H45642	ERA CLP Soil: D065540

\* Source Standard: H6191-U 100 ppb Spike = 1.0 ml \* Source Standard  
\*\*Source Standard: ICV H6191- 1000 ppb LCSW= 0.5 ml ICV \*\*Source Standard

Comments:

Analyst: *M. L. ...* Date: 5/10/10

Service Request # R1004575  
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: 052610AICP02

Star Lims: 202239

Primary Review by BC Date 5/26/10

Secondary Review by mmr Date 5/26/10

Method: 2010A

Sample Name: Blank

Operator:

Comment:

Run Time: 05/26/10 08:36 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	.1400	.0277	-.0076	.00024
Stddev	.0255	.0235	.0029	.00000
%RSD	18.21	84.86	38.58	1.5862

#1	.1580	.0444	-.0097	.00023
#2	.1220	.0111	-.0055	.00024

Elem	Be3130	B_2497	Cd2265	Ca2112
Line	313.042 {107}	249.773 {134}	226.502 {148}	211.276 {159}
Avg	-.00365	.3860	.0003	.3451
Stddev	.00000	.0166	.0001	.0039
%RSD	.07304	4.306	31.51	1.125

#1	-.00365	.3743	.0004	.3424
#2	-.00365	.3978	.0003	.3479

Elem	Ca3179	Cr2677	Co2286	Cu3247
Line	317.933 {105}	267.716 {125}	228.616 {147}	324.754 {103}
Avg	-.0926	-.0001	.0003	.0221
Stddev	.0059	.0001	.0001	.0274
%RSD	6.334	46.55	37.23	123.7

#1	-.0967	-.0001	.0002	.0028
#2	-.0884	-.0002	.0003	.0415

Elem	Fe2599	Fe2714	Pb2203	Mg2025
Line	259.940 {129}	271.441 {124}	220.353 {152}	202.582 {166}
Avg	.0014	.0003	.0002	.1012
Stddev	.0001	.0004	.0002	.0019
%RSD	5.078	145.6	106.4	1.927

#1	.0015	.0000	.0001	.0998
#2	.0014	.0005	.0004	.1026

Elem	Mg2795	Mn2576	Mn2939	Mo2020
Line	279.553 {120}	257.610 {131}	293.930 {114}	202.030 {166}
Avg	.02073	.00096	-.0002	.0004
Stddev	.00586	.00012	.0003	.0000
%RSD	28.287	12.713	132.7	5.360

#1	.02487	.00105	-.0005	.0003
#2	.01658	.00088	.0000	.0004

Elem	Ni2316	K_7664	Se1960	Ag3280
Line	231.604 {145}	766.490 {44}	196.090 {171}	328.068 {102}
Avg	-.0002	.7284	-.0152	.0442
Stddev	.0001	.1192	.0176	.0391
%RSD	33.51	16.37	115.7	88.39

#1	-.0002	.6441	-.0028	.0166
#2	-.0003	.8127	-.0277	.0719



Sample Name: Blank Run Time: 05/26/10 08:36

Elem	Na5895	Sn1899	V_3102	Zn2062
Line	589.592 { 57}	189.989 {176}	310.230 {108}	206.200 {163}
Avg	.0006	.0006	.0077	.0010
Stddev	.0002	.0000	.0001	.0000
%RSD	28.91	6.503	1.751	2.297

#1	.0007	.0006	.0078	.0010
#2	.0005	.0006	.0076	.0010

Elem	P_2149	Si2516	Ti3234	Tl1908
Line	214.914 {156}	251.612 {134}	323.452 {104}	190.864 {176}
Avg	.0263	.1677	.00373	-.0002
Stddev	.0157	.0255	.00019	.0001
%RSD	59.54	15.20	5.0075	58.38

#1	.0152	.1858	.00359	-.0001
#2	.0374	.1497	.00386	-.0003

Elem	Li6707	Sr4077
Line	670.784 { 50}	407.771 { 82}
Avg	.39938	.00400
Stddev	.00194	.00015
%RSD	.48629	3.8272

#1	.39800	.00389
#2	.40075	.00411

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	185.43
Stddev	1.20
%RSD	.64836

#1	184.58
#2	186.28

*Handwritten:*  
 OK  
 5/26/10  
 Wm  
 Spalko

Method: 2010A Sample Name: STDB *ICP7-41-B* Operator:

Comment:

Run Time: 05/26/10 08:39 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	19.64	2.8426	.45830	36.50
Stddev	.03	.0223	.00033	.08
%RSD	.1395	.78390	.07183	.2280

#1	19.62	2.8583	.45807	36.44
#2	19.66	2.8268	.45854	36.56

Elem	Fe2714	Mg2025	Mn2939	K 7664
Line	271.441 {124}	202.582 {166}	293.930 {114}	766.490 { 44}
Avg	.7600	60.24	.6414	210.5
Stddev	.0006	.01	.0004	.3
%RSD	.0802	.0193	.0657	.1657

#1	.7604	60.23	.6411	210.2
#2	.7596	60.25	.6417	210.7

Elem	Na5895	P 2149	Si2516	Li6707
Line	589.592 { 57}	214.914 {156}	251.612 {134}	670.784 { 50}
Avg	4.847	44.67	93.09	420.70
Stddev	.038	.03	.22	.36
%RSD	.7873	.0572	.2335	.08604

#1	4.874	44.69	92.93	420.95
#2	4.820	44.66	93.24	420.44

Elem	Sr4077
Line	407.771 { 82}
Avg	7.9243
Stddev	.0136
%RSD	.17132

#1	7.9147
#2	7.9339

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	182.69
Stddev	.64
%RSD	.35170

#1	182.23
#2	183.14

Method: 2010A

Sample Name: STDA

Operator:

Comment:

Run Time: 05/26/10 08:42 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	15.80	11.01	45.75	.2834
Stddev	.06	.03	.19	.0014
%RSD	.4044	.2514	.4098	.5019

#1	15.85	11.03	45.89	.2844
#2	15.76	10.99	45.62	.2824

Elem	Ca3179	Cr2677	Co2286	Cu3247
Line	317.933 {105}	267.716 {125}	228.616 {147}	324.754 {103}
Avg	27.15	.1143	.1854	18.46
Stddev	.22	.0010	.0015	.14
%RSD	.8048	.9008	.8350	.7642

#1	27.00	.1150	.1865	18.56
#2	27.31	.1135	.1843	18.36

Elem	Fe2599	Pb2203	Mg2795	Mn2576
Line	259.940 {129}	220.353 {152}	279.553 {120}	257.610 {131}
Avg	.4030	.0871	1290.3	3.1106
Stddev	.0089	.0011	10.1	.0277
%RSD	2.204	1.262	.78092	.88921

#1	.4092	.0879	1283.2	3.1301
#2	.3967	.0863	1297.4	3.0910

Elem	Mo2020	Ni2316	Se1960	Ag3280
Line	202.030 {166}	231.604 {145}	196.090 {171}	328.068 {102}
Avg	.1549	.1688	10.02	17.52
Stddev	.0004	.0014	.10	.08
%RSD	.2755	.8104	.9979	.4481

#1	.1552	.1697	10.09	17.57
#2	.1546	.1678	9.951	17.46

Elem	Sn1899	V_3102	Zn2062	Ti3234
Line	189.989 {176}	310.230 {108}	206.200 {163}	323.452 {104}
Avg	.0812	.1450	.1451	.16697
Stddev	.0007	.0002	.0007	.00027
%RSD	.9217	.1152	.4592	.15995

#1	.0817	.1449	.1456	.16679
#2	.0807	.1451	.1447	.16716

Elem	Tl1908
Line	190.864 {176}
Avg	.0803
Stddev	.0008
%RSD	.9643

#1	.0809
#2	.0798

Sample Name: STDA Run Time: 05/26/10 08:42

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	186.62
Stddev	1.10
%RSD	.59130

#1	185.84
#2	187.40

Method: 2010A Sample Name: ICV1 *ICP7-37-C* Operator:  
 Comment:  
 Run Time: 05/26/10 08:45 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.026	2.550	2.557	5.2398	.12410	-.0013
Stddev	.009	.018	.012	.0029	.00043	.0013
%RSD	.1810	.7226	.4531	.05565	.34949	101.0

#1	5.020	2.563	2.548	5.2377	.12441	-.0004
#2	5.032	2.537	2.565	5.2419	.12380	-.0022

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	5.000	2.500	2.500	5.0000	.12500	
Range	5.000%	5.000%	5.000%	5.0000%	5.0000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.262	12.57	.5132	1.258	.6290	2.508
Stddev	.000	.11	.0032	.002	.0022	.005
%RSD	.0038	.8741	.6329	.1894	.3443	.1880

#1	1.262	12.49	.5155	1.256	.6306	2.511
#2	1.262	12.65	.5109	1.260	.6275	2.505

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	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.538	12.46	1.2104	2.050	1.257	12.62
Stddev	.009	.08	.0044	.002	.001	.05
%RSD	.3467	.6586	.36088	.1188	.1125	.4304

#1	2.544	12.52	1.2073	2.048	1.256	12.58
#2	2.532	12.41	1.2135	2.051	1.258	12.66

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	5.000%	5.000%	5.0000%	5.000%	5.000%	5.000%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.573	.6190	12.26	.0101	1.253	1.265
Stddev	.001	.0032	.04	.0089	.014	.002
%RSD	.0366	.5108	.2946	88.01	1.134	.1393

#1	2.574	.6213	12.23	.0164	1.263	1.264
#2	2.572	.6168	12.28	.0038	1.243	1.267

Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass
Value	2.500	.6250	12.50		1.250	1.250
Range	5.000%	5.000%	5.000%		5.000%	5.000%

Sample Name: ICV1 Run Time: 05/26/10 08:45

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	-.1489	2.0377	2.495	.00043	.00698
Stddev	.0011	.0000	.0018	.022	.00040	.00002
%RSD	55.57	.0156	.09047	.8667	94.589	.27776
#1	.0012	-.1489	2.0390	2.510	.00071	.00697
#2	.0028	-.1489	2.0364	2.480	.00014	.00699
Check ?	None	None	QC Pass	QC Pass	None	None
Value			2.0000	2.500		
Range			5.0000%	5.000%		
Int. Std.	Sc3572					
Units	Cts/S					
Avg	186.49					
Stddev	.45					
%RSD	.23997					
#1	186.17					
#2	186.81					

Method: 2010A

Sample Name: ICVB1

Operator:

Comment:

Run Time: 05/26/10 08:48

Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9775	.0177	.0003	.00094	.00003	2.021
Stddev	.0191	.0044	.0031	.00051	.00000	.004
%RSD	1.954	24.77	1116.	54.478	11.182	.2236
#1	.9640	.0208	.0025	.00130	.00003	2.018
#2	.9911	.0146	-.0019	.00058	.00003	2.025
Check ?	None	None	None	None	None	QC Pass
Value						2.000
Range						5.000%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	5.124	.0034	.0002	.0007	9.883
Stddev	.0000	.002	.0007	.0001	.0003	.030
%RSD	3.077	.0434	20.14	68.28	43.97	.3034
#1	.0008	5.125	.0029	.0003	.0005	9.862
#2	.0007	5.122	.0039	.0001	.0009	9.905
Check ?	None	QC Pass	None	None	None	QC Pass
Value		5.000				10.00
Range		5.000%				5.000%
Elem	Pb2203	Mg2795	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0044	5.0208	10.05	.0036	-.0013	.0048
Stddev	.0030	.0086	.00	.0031	.0002	.0043
%RSD	68.35	.17119	.0449	85.55	11.26	90.15
#1	-.0065	5.0147	10.05	.0057	-.0012	.0078
#2	-.0023	5.0268	10.05	.0014	-.0014	.0017
Check ?	None	QC Pass	QC Pass	None	None	None
Value		5.0000	10.00			
Range		5.0000%	5.000%			
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103	-.0002	.0095	5.089	.0011	.0000
Stddev	.0049	.0029	.0003	.014	.0019	.0006
%RSD	47.27	1862.	3.088	.2751	166.0	1437.
#1	.0138	-.0022	.0093	5.079	.0024	.0005
#2	.0069	.0019	.0097	5.099	-.0002	-.0004
Check ?	None	None	None	QC Pass	None	None
Value				5.000		
Range				5.000%		

Sample Name: ICVB1 Run Time: 05/26/10 08:48

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.937	5.162	.00075	-.0058	2.0756	1.9897
Stddev	.016	.006	.00229	.0092	.0163	.0040
%RSD	.3197	.1253	304.55	156.6	.78604	.19914
#1	4.926	5.158	-.00087	-.0123	2.0872	1.9925
#2	4.948	5.167	.00237	.0006	2.0641	1.9869
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	5.000	5.000			2.0000	2.0000
Range	5.000%	5.000%			5.0000%	5.0000%
Int. Std.	Sc3572					
Units	Cts/S					
Avg	186.79					
Stddev	.12					
%RSD	.06242					
#1	186.70					
#2	186.87					



Method: 2010A

Sample Name: ICB

Operator:

Comment:

Run Time: 05/26/10 08:51 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	-.0083	.0047	-.00008	-.00001	.0005
Stddev	.0151	.0043	.0098	.00003	.00010	.0009
%RSD	94370.	51.71	207.4	42.057	965.15	161.3

#1	.0107	-.0114	-.0022	-.00011	.00006	.0012
#2	-.0107	-.0053	.0116	-.00006	-.00008	-.0001

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	-.0001	-.0013	.0012	.0004	-.0016	.0026
Stddev	.0003	.0007	.0006	.0007	.0016	.0038
%RSD	383.4	56.15	46.22	158.1	101.3	144.9

#1	.0002	-.0018	.0008	.0000	-.0004	.0053
#2	-.0003	-.0008	.0016	.0009	-.0027	-.0001

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	.00005	.00097	-.0018	-.0004	-.0143
Stddev	.0058	.00006	.00109	.0003	.0001	.0022
%RSD	173.6	127.94	112.30	15.35	14.75	15.64

#1	.0008	.00000	.00174	-.0016	-.0004	-.0127
#2	-.0075	.00009	.00020	-.0020	-.0004	-.0159

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	.0097	-.0006	.0020	.0027	.0016	-.0015
Stddev	.0127	.0049	.0034	.0003	.0016	.0012
%RSD	131.3	780.4	176.2	9.429	102.2	85.56

#1	.0186	.0029	-.0005	.0026	.0028	-.0023
#2	.0007	-.0041	.0044	.0029	.0004	-.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: 05/26/10 08:51

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033	.0019	-.00180	-.0029	-.00010	.00001
Stddev	.0094	.0001	.00035	.0224	.00012	.00009
%RSD	283.7	6.946	19.680	763.6	118.64	861.04
#1	.0099	.0020	-.00205	.0129	-.00002	.00007
#2	-.0033	.0019	-.00155	-.0188	-.00018	-.00005
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	184.58					
Stddev	.29					
%RSD	.15785					
#1	184.37					
#2	184.79					

Method: 2010A

Sample Name: CCVB

Operator:

Comment:

Run Time: 05/26/10 08:55 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.972	.0157	.0006	2.4931	.04981	-.0168
Stddev	.039	.0056	.0045	.0175	.00018	.0010
%RSD	.7842	35.49	774.3	.70083	.35492	6.076

#1	5.001	.0216	.0015	2.4686	.04982	-.0166
#2	4.935	.0146	.0066	2.5067	.04998	-.0175
#3	4.942	.0085	-.0035	2.4927	.04957	-.0154
#4	5.010	.0182	-.0022	2.5045	.04987	-.0176

Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	5.000%			5.0000%	5.0000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	25.36	.0017	-.0011	-.0015	24.84
Stddev	.0004	.12	.0007	.0004	.0018	.10
%RSD	16.41	.4692	39.10	39.06	120.8	.3990

#1	.0021	25.19	.0009	-.0010	-.0038	24.70
#2	.0022	25.35	.0020	-.0015	.0004	24.90
#3	.0026	25.47	.0024	-.0014	-.0021	24.82
#4	.0029	25.41	.0015	-.0006	-.0005	24.92

Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		5.000%				5.000%

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	25.04	4.964	-.0027	-.0029	9.995
Stddev	.0070	.09	.018	.0010	.0003	.032
%RSD	8743.	.3744	.3534	38.54	11.35	.3153

#1	.0077	25.02	4.940	-.0035	-.0028	10.02
#2	-.0073	25.02	4.982	-.0036	-.0031	9.961
#3	.0042	25.17	4.964	-.0023	-.0026	9.977
#4	-.0043	24.95	4.969	-.0014	-.0033	10.03

Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		5.000%	5.000%			5.000%

Sample Name: CCVB Run Time: 05/26/10 08:55

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0111	.0026	9.738	.0050	.0038	-.0001
Stddev	.0092	.0043	.028	.0027	.0015	.0004
%RSD	82.67	164.4	.2907	52.84	38.89	520.7
#1	.0094	.0082	9.737	.0051	.0058	.0000
#2	.0052	.0019	9.742	.0026	.0039	-.0006
#3	.0246	-.0022	9.702	.0087	.0026	.0004
#4	.0052	.0025	9.771	.0038	.0028	-.0001
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			5.000%			

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.973	2.512	-.00060	-.0144	.49744	.50291
Stddev	.043	.004	.00126	.0067	.00266	.00112
%RSD	.4287	.1457	209.41	46.85	.53544	.22316
#1	9.913	2.507	-.00056	-.0116	.49868	.50169
#2	9.973	2.515	.00089	-.0062	.49455	.50408
#3	9.999	2.514	-.00219	-.0207	.49604	.50226
#4	10.01	2.511	-.00054	-.0190	.50051	.50361
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	5.000%	5.000%			5.0000%	5.0000%

Int. Std.	Sc3572
Units	Cts/S
Avg	185.45
Stddev	.63
%RSD	.33777
#1	185.63
#2	184.59
#3	186.09
#4	185.47

Method: 2010A

Sample Name: CCVA

Operator:

Comment:

Run Time: 05/26/10 09:00 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb*2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4620	2.471	2.445	.45767	.52572	.4963
Stddev	.0135	.010	.023	.00228	.00146	.0007
%RSD	2.931	.4183	.9494	.49819	.27684	.1310

#1	.4747	2.460	2.421	.45517	.52476	.4959
#2	.4459	2.466	2.451	.45833	.52681	.4959
#3	.4715	2.484	2.474	.46048	.52710	.4972
#4	.4558	2.475	2.434	.45667	.52419	.4959

Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		5.000%	5.000%			5.000%

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4921	2.457	.4940	.4948	.4936	.4901
Stddev	.0025	.010	.0036	.0023	.0053	.0020
%RSD	.5155	.4112	.7245	.4736	1.071	.4113

#1	.4905	2.446	.4911	.4917	.5000	.4886
#2	.4918	2.456	.4975	.4966	.4939	.4918
#3	.4958	2.470	.4965	.4966	.4870	.4918
#4	.4903	2.453	.4907	.4942	.4936	.4881

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.450	1.9803	.95982	.9795	.4928	4.928
Stddev	.011	.0066	.00244	.0052	.0020	.006
%RSD	.4366	.33476	.25392	.5267	.4152	.1211

#1	2.449	1.9761	.96266	.9738	.4933	4.930
#2	2.465	1.9741	.95996	.9842	.4928	4.922
#3	2.439	1.9888	.95997	.9836	.4951	4.936
#4	2.448	1.9824	.95670	.9765	.4901	4.925

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	5.000%	5.0000%	5.0000%	5.000%	5.000%	

Sample Name: CCVA Run Time: 05/26/10 09:00

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.439	.4892	.4615	2.412	.4921	.4927
Stddev	.025	.0049	.0037	.023	.0045	.0029
%RSD	1.013	1.007	.8002	.9414	.9095	.5870
#1	2.446	.4852	.4569	2.386	.4866	.4899
#2	2.455	.4851	.4652	2.439	.4913	.4931
#3	2.402	.4952	.4636	2.419	.4974	.4966
#4	2.453	.4911	.4603	2.404	.4932	.4913

Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	5.000%	5.000%		5.000%	5.000%	5.000%

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0169	.2579	.49021	4.863	.00062	.00156
Stddev	.0083	.0021	.00280	.065	.00007	.00004
%RSD	49.21	.8012	.57187	1.344	10.508	2.3041

#1	-.0094	.2581	.49368	4.821	.00059	.00156
#2	-.0186	.2601	.48723	4.929	.00071	.00158
#3	-.0117	.2583	.48885	4.909	.00056	.00150
#4	-.0279	.2551	.49110	4.795	.00062	.00158

Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			5.0000%	5.000%		

Int. Std.	Sc3572
Units	Cts/S
Avg	189.11
Stddev	.47
%RSD	.25054

#1	189.49
#2	188.81
#3	188.61
#4	189.55

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 05/26/10

09:06 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	.0070	.0041	-.00010	.00002
Stddev	.0091	.0012	.0044	.00006	.00000
%RSD	634.8	17.74	108.8	58.687	9.4147

#1	.0050	.0061	.0009	-.00015	.00002
#2	-.0079	.0079	.0072	-.00006	.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	.0002	.0003	.0053	.0013	.0005
Stddev	.0005	.0003	.0007	.0010	.0003
%RSD	273.8	92.82	13.42	74.03	58.73

#1	-.0002	.0001	.0048	.0020	.0007
#2	.0005	.0004	.0058	.0006	.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	.0023	.0003	.0047	.00023	.00067
Stddev	.0006	.0010	.0050	.00002	.00000
%RSD	28.23	311.4	107.1	7.8196	.16970

#1	.0018	.0010	.0011	.00024	.00067
#2	.0027	-.0004	.0083	.00022	.00067

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	.0012	.0008	-.0066	.0035	.0013
Stddev	.0004	.0005	.0039	.0039	.0000
%RSD	30.08	67.97	59.31	113.0	.1549

#1	.0010	.0011	-.0038	.0062	.0013
#2	.0015	.0004	-.0093	.0007	.0013

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: 05/26/10 09:06

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0140	.0019	-.0010	.0036
Stddev	.0005	.0026	.0017	.0002	.0022
%RSD	235.5	18.55	86.80	18.77	62.17

#1	.0006	.0159	.0031	-.0011	.0020
#2	-.0001	.0122	.0007	-.0008	.0052

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	-.0008	.00014	.0066	-.00022	.00003
Stddev	.0003	.00090	.0196	.00051	.00003
%RSD	32.07	638.82	298.2	226.81	116.10

#1	-.0010	.00077	.0204	.00013	.00001
#2	-.0007	-.00049	-.0073	-.00058	.00005

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	185.88
Stddev	1.04
%RSD	.55822

#1	185.15
#2	186.61



Method: 2010A

Sample Name: CRI

20P7-41-A

Operator:

Comment:

Run Time: 05/26/10 09:09 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0605	.0442	.0846	.00464	.00452	.0481
Stddev	.0241	.0006	.0009	.00015	.00002	.0004
%RSD	39.82	1.427	1.078	3.2488	.42054	.8634
#1	.0775	.0438	.0840	.00454	.00453	.0484
#2	.0434	.0446	.0853	.00475	.00451	.0478
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	.0043	.0429	.0047	.0103	.0096	.0204
Stddev	.0001	.0014	.0005	.0008	.0004	.0006
%RSD	1.374	3.341	11.21	7.448	4.441	2.771
#1	.0044	.0419	.0044	.0097	.0099	.0208
#2	.0043	.0439	.0051	.0108	.0093	.0200
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	.0437	.01737	.00469	.0076	.0196	.4069
Stddev	.0002	.00013	.00013	.0002	.0003	.0090
%RSD	.5378	.72285	2.8142	1.990	1.343	2.210
#1	.0439	.01728	.00460	.0075	.0194	.4133
#2	.0435	.01746	.00478	.0077	.0198	.4006
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	.0946	.0066	.2013	.0328	.0082	.0087
Stddev	.0195	.0009	.0023	.0042	.0015	.0007
%RSD	20.67	13.50	1.163	12.90	18.34	8.578
#1	.0808	.0073	.2029	.0298	.0093	.0093
#2	.1084	.0060	.1996	.0358	.0071	.0082
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: 05/26/10 09:09

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1832	.3838	.00741	.1495	.00985	.00881
Stddev	.0132	.0023	.00139	.0251	.00027	.00004
%RSD	7.179	.6061	18.746	16.81	2.7494	.49824
#1	.1925	.3821	.00643	.1673	.01004	.00884
#2	.1739	.3854	.00840	.1317	.00966	.00878
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	188.15					
Stddev	.84					
%RSD	.44527					
#1	187.56					
#2	188.75					

Method: 2010A

Sample Name: ICSA

Operator:

Comment:

*ICPA-43-B*

Run Time: 05/26/10 09:12 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	511.5	.0678	-.0015	-.00012	.00003	-.1824
Stddev	.7	.0216	.0084	.00007	.00003	.0009
%RSD	.1361	31.81	571.2	56.041	125.31	.5066

#1	512.0	.0525	.0045	-.00007	.00005	-.1831
#2	511.0	.0830	-.0075	-.00017	.00000	-.1818

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	.0121	488.6	-.0025	.0002	.0021	201.1
Stddev	.0002	.9	.0016	.0008	.0020	.8
%RSD	1.473	.1794	64.39	448.0	92.88	.4056

#1	.0120	489.3	-.0036	-.0004	.0036	200.5
#2	.0123	488.0	-.0013	.0008	.0007	201.6

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	.0030	513.7	.00428	.0029	-.0021	-.0344
Stddev	.0092	1.0	.00015	.0024	.0006	.0130
%RSD	303.8	.1853	3.5985	82.95	27.56	37.89

#1	.0095	514.4	.00417	.0047	-.0025	-.0436
#2	-.0035	513.1	.00439	.0012	-.0017	-.0252

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	.0145	-.0005	.0820	-.0122	.0007	.0065
Stddev	.0098	.0038	.0014	.0011	.0029	.0000
%RSD	67.47	799.9	1.730	8.883	422.4	.1675

#1	.0214	.0022	.0830	-.0114	-.0014	.0065
#2	.0076	-.0032	.0810	-.0130	.0028	.0065

Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: ICSA Run Time: 05/26/10 09:12

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0357	-.0143	.01081	-.0597	.01030	.02076
Stddev	.0103	.0024	.00111	.0105	.00030	.00046
%RSD	28.84	16.92	10.304	17.65	2.9182	2.2223

#1	.0430	-.0126	.01160	-.0671	.01008	.02109
#2	.0284	-.0160	.01003	-.0522	.01051	.02044

Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	170.84
Stddev	.50
%RSD	.29140

#1	170.48
#2	171.19

Method: 2010A

Sample Name: ICSAB

Operator:

Comment:

ICP-38-C

Run Time: 05/26/10 09:15 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	510.0	1.063	.0029	.47281	.53033	-.1761
Stddev	2.2	.036	.0085	.00145	.00153	.0006
%RSD	.4325	3.369	296.5	.30590	.28768	.3297

#1	508.4	1.038	.0089	.47179	.53141	-.1756
#2	511.5	1.088	-.0031	.47383	.52925	-.1765

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	.9863	489.4	.5025	.4864	.4839	198.8
Stddev	.0019	4.1	.0035	.0012	.0004	.2
%RSD	.1898	.8392	.7038	.2374	.0854	.1126

#1	.9850	486.5	.5050	.4872	.4842	198.6
#2	.9877	492.4	.5000	.4855	.4836	199.0

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	1.001	511.1	.45982	.0022	.9529	-.0452
Stddev	.017	.8	.00062	.0000	.0000	.0097
%RSD	1.648	.1601	.13573	1.690	.0003	21.44

#1	.9894	511.7	.45938	.0023	.9529	-.0383
#2	1.013	510.5	.46026	.0022	.9529	-.0521

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	.0151	.9974	.0645	-.0208	.5069	.9666
Stddev	.0291	.0022	.0045	.0123	.0029	.0017
%RSD	193.0	.2224	6.958	59.41	.5814	.1737

#1	.0357	.9990	.0677	-.0120	.5089	.9654
#2	-.0055	.9958	.0613	-.0295	.5048	.9678

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: 05/26/10 09:15

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0291	-.0048	.01075	-.0663	.01003	.02053
Stddev	.0069	.0030	.00123	.0443	.00054	.00040
%RSD	23.66	61.20	11.419	66.86	5.3342	1.9423

#1	.0243	-.0027	.01161	-.0977	.00965	.02081
#2	.0340	-.0069	.00988	-.0350	.01041	.02024

Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	172.56
Stddev	.60
%RSD	.34961

#1	172.14
#2	172.99

Method: 2010A Sample Name: ICSAB

Operator:

Comment:

Run Time: 05/26/10 09:18 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	507.5	1.067	-.0166	.46342	.52252	-.1731
Stddev	.7	.001	.0005	.00412	.00213	.0007
%RSD	.1340	.1121	3.247	.88803	.40835	.4056

#1	507.0	1.066	-.0162	.46051	.52403	-.1726
#2	507.9	1.068	-.0170	.46633	.52101	-.1736

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	.9663	485.8	.4907	.4759	.4926	195.2
Stddev	.0032	7.1	.0023	.0010	.0082	.9
%RSD	.3356	1.452	.4595	.2102	1.662	.4515

#1	.9640	480.8	.4892	.4752	.4868	194.5
#2	.9686	490.8	.4923	.4766	.4984	195.8

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	.9883	509.0	.45102	.0009	.9328	-.0361
Stddev	.0008	2.1	.00246	.0004	.0021	.0058
%RSD	.0815	.4194	.54490	47.57	.2215	16.01

#1	.9888	510.5	.44928	.0006	.9313	-.0402
#2	.9877	507.5	.45275	.0013	.9343	-.0320

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	.0430	.9924	.0633	-.0220	.4980	.9485
Stddev	.0028	.0107	.0013	.0052	.0008	.0080
%RSD	6.585	1.081	2.097	23.59	.1670	.8485

#1	.0450	.9999	.0642	-.0183	.4974	.9428
#2	.0410	.9848	.0623	-.0257	.4986	.9541

Check ?	None	QC Pass	None	None	QC Pass	QC Pass
Value		1.000			.5000	1.000
Range		20.00%			20.00%	20.00%

SC  
5/26/10

Sample Name: ICSAB Run Time: 05/26/10 09:18

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0194	-.0041	.01013	-.0639	.00989	.01982
Stddev	.0040	.0069	.00238	.0275	.00041	.00098
%RSD	20.46	169.6	23.503	42.98	4.1825	4.9449

#1	.0223	-.0089	.00845	-.0445	.01019	.02052
#2	.0166	.0008	.01181	-.0833	.00960	.01913

Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	174.73
Stddev	.46
%RSD	.26331

#1	174.41
#2	175.06

*SC  
5/26/10*



Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 05/26/10 09:21 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.028	.0046	-.0047	2.4907	.04961	-.0183
Stddev	.081	.0019	.0036	.0202	.00001	.0010
%RSD	1.601	40.18	75.44	.80907	.02095	5.541
#1	5.085	.0033	-.0022	2.5049	.04960	-.0190
#2	4.971	.0059	-.0073	2.4764	.04962	-.0176
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	.0027	25.67	.0031	-.0012	-.0012	25.20
Stddev	.0001	.18	.0004	.0008	.0020	.11
%RSD	4.348	.7115	13.60	62.85	165.7	.4464
#1	.0026	25.54	.0034	-.0007	.0002	25.27
#2	.0028	25.80	.0028	-.0018	-.0026	25.12
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	.0030	24.96	4.925	-.0012	-.0031	9.906
Stddev	.0031	.00	.007	.0001	.0005	.032
%RSD	102.5	.0129	.1334	4.780	15.56	.3241
#1	.0052	24.96	4.929	-.0012	-.0028	9.929
#2	.0008	24.96	4.920	-.0011	-.0035	9.884
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	.0024	9.805	.0094	.0033	.0010
Stddev	.0010	.0011	.067	.0008	.0015	.0000
%RSD	21.06	47.12	.6840	8.962	44.63	4.257
#1	.0039	.0032	9.853	.0100	.0022	.0009
#2	.0053	.0016	9.758	.0088	.0043	.0010
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 05/26/10 09:21

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.964	2.498	.00023	-.0228	.49480	.49879
Stddev	.035	.005	.00087	.0130	.00274	.00166
%RSD	.3503	.2187	374.12	56.93	.55320	.33375
#1	9.989	2.502	.00085	-.0136	.49674	.49997
#2	9.939	2.494	-.00038	-.0319	.49286	.49761
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	185.15					
Stddev	.74					
%RSD	.40214					
#1	184.62					
#2	185.68					

Method: 2010A Sample Name: CCVA

Operator:

Comment:

Run Time: 05/26/10 09:24 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4828	2.455	2.452	.45603	.51986	.4944
Stddev	.0220	.021	.003	.00117	.00133	.0010
%RSD	4.564	.8733	.1074	.25680	.25542	.1935
#1	.4984	2.439	2.450	.45686	.52080	.4950
#2	.4672	2.470	2.454	.45520	.51892	.4937
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	.4939	2.400	.4993	.4915	.5029	.4993
Stddev	.0008	.043	.0004	.0018	.0015	.0115
%RSD	.1575	1.779	.0773	.3714	.2955	2.303
#1	.4944	2.370	.4996	.4928	.5040	.5074
#2	.4933	2.430	.4990	.4902	.5019	.4912
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	2.432	1.9638	.96623	.9698	.4899	4.878
Stddev	.023	.0057	.00419	.0012	.0009	.005
%RSD	.9494	.28866	.43409	.1240	.1909	.0996
#1	2.416	1.9598	.96326	.9689	.4892	4.881
#2	2.449	1.9678	.96920	.9706	.4906	4.874
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	2.404	.4880	.4673	2.391	.4886	.4953
Stddev	.037	.0049	.0071	.011	.0007	.0011
%RSD	1.560	1.008	1.513	.4556	.1414	.2254
#1	2.377	.4845	.4723	2.383	.4891	.4945
#2	2.430	.4915	.4623	2.399	.4881	.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: 05/26/10 09:24

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.2539	.48923	4.871	.00012	.00167
Stddev	.0080	.0012	.00136	.024	.00018	.00007
%RSD	4067.	.4785	.27761	.4913	153.03	4.4084
#1	.0059	.2530	.48827	4.888	.00024	.00173
#2	-.0055	.2547	.49019	4.855	-.00001	.00162
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	188.70					
Stddev	.76					
%RSD	.40384					
#1	188.16					
#2	189.24					

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 05/26/10 09:27 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036	.0109	.0028	-.00004	.00008	.0003
Stddev	.0261	.0080	.0142	.00018	.00004	.0000
%RSD	735.7	73.68	502.7	431.96	51.750	14.77

#1	-.0149	.0166	-.0072	-.00017	.00011	.0003
#2	.0220	.0052	.0129	.00009	.00005	.0003

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	.0000	.0008	.0011	.0004	.0023
Stddev	.0005	.005	.0001	.0004	.0010	.0004
%RSD	295.8	111500.	16.25	34.30	254.0	18.42

#1	.0002	-.0033	.0009	.0008	.0010	.0026
#2	-.0005	.0033	.0008	.0013	-.0003	.0020

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	-.0058	.00034	.00077	.0002	-.0003	-.0008
Stddev	.0030	.00010	.00016	.0008	.0002	.0028
%RSD	52.36	28.593	20.175	330.9	66.52	359.2

#1	-.0079	.00041	.00088	.0008	-.0002	.0012
#2	-.0036	.00027	.00066	-.0003	-.0005	-.0027

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	.0022	-.0032	.0057	-.0005	-.0008
Stddev	.0029	.0031	.0027	.0023	.0020	.0005
%RSD	106.0	141.4	84.61	40.66	407.1	68.91

#1	.0048	.0000	-.0052	.0073	-.0019	-.0004
#2	.0007	.0044	-.0013	.0040	.0009	-.0012

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: 05/26/10 09:27

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0020	-.00234	.0176	.00020	.00008
Stddev	.0078	.0021	.00296	.0223	.00026	.00002
%RSD	644.8	104.4	126.45	126.4	129.46	18.939

#1	-.0068	.0005	-.00025	.0334	.00038	.00009
#2	.0043	.0035	-.00443	.0019	.00002	.00007

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	186.03
Stddev	.04
%RSD	.02395

#1	186.00
#2	186.06

Method: 2010A      Sample Name: K1004575-MB      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 09:50 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0050	-.0005	.0066	.00005	.00000

#1	.0036	-.0018	.0041	-.00009	.00001
#2	-.0135	.0008	.0091	.00019	-.00001

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0002	.0013	.0001	-.0006

#1	.0005	-.0004	.0099	.0003	-.0009
#2	.0003	.0007	-.0073	.0000	-.0003

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0001	-.0051	.00006	-.00003

#1	.0012	.0003	-.0071	.00006	-.00005
#2	-.0013	-.0005	-.0032	.00006	.00000

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0019	-.0003	-.0081	-.0028	.0030

#1	-.0023	.0004	-.0123	.0035	.0047
#2	-.0016	-.0010	-.0039	-.0090	.0013

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0025	.0008	.0040	-.0012	.2170

#1	-.0034	.0051	.0032	-.0013	.2230
#2	-.0016	-.0034	.0049	-.0011	.2110

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0042	-.00316	.0185	-.00032	-.00009

#1	.0041	-.00366	.0148	-.00042	-.00008
#2	.0043	-.00266	.0223	-.00021	-.00009

Int. Std.	Sc3572
Units	Cts/S
Avg	185.94

#1	185.59
#2	186.29

Method: 2010A Sample Name: LCSW Operator: JC  
 Comment: K1004575 (202239) (052610A)  
 Run Time: 05/26/10 09:53 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.034	2.608	2.556	5.0790	.12491	1.027
#1	5.034	2.613	2.550	5.0810	.12509	1.025
#2	5.035	2.603	2.562	5.0771	.12473	1.028
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.255	12.39	.5147	1.260	.6388	2.504
#1	1.256	12.35	.5164	1.261	.6376	2.496
#2	1.254	12.43	.5130	1.258	.6401	2.511
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.522	12.51	1.2228	1.006	1.254	12.73
#1	2.521	12.50	1.2322	1.002	1.253	12.80
#2	2.523	12.52	1.2133	1.009	1.255	12.66
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.525	.6180	12.70	.0105	1.259	1.261
#1	2.488	.6142	12.86	.0125	1.266	1.261
#2	2.561	.6218	12.55	.0085	1.253	1.262
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2327	.0114	-.00085	2.461	.00044	.00702
#1	.2397	.0102	-.00142	2.467	.00012	.00705
#2	.2256	.0127	-.00027	2.455	.00077	.00699
Int. Std.	Sc3572					
Units	Cts/S					
Avg	184.17					
#1	183.58					
#2	184.75					



Method: 2010A      Sample Name: K1004575-001      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 09:56 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.067	.0155	.0045	.15045	-.000003	.0046
#1	1.066	.0203	.0045	.14994	-.000002	.0042
#2	1.069	.0106	.0045	.15096	-.000004	.0050
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	58.02	.0017	.0053	.0015	2.066
#1	.0015	57.61	.0016	.0050	.0018	2.062
#2	.0010	58.42	.0018	.0055	.0012	2.069
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055	22.78	.55958	.0065	.0040	7.219
#1	.0109	22.76	.55764	.0089	.0042	7.257
#2	.0001	22.79	.56152	.0040	.0038	7.181
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0361	.0014	31.92	.0046	.0043	.0064
#1	.0326	.0028	32.13	.0061	.0029	.0068
#2	.0395	.0000	31.71	.0031	.0057	.0059
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3200	32.82	.06479	-.0145	.01522	.28726
#1	.3240	32.80	.06468	-.0221	.01529	.28813
#2	.3159	32.84	.06491	-.0070	.01514	.28640
Int. Std.	Sc3572					
Units	Cts/S					
Avg	184.22					
#1	183.88					
#2	184.57					

Method: 2010A      Sample Name: K1004575-001D      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 09:59 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.079	-.0047	.0098	.15250	.00001	.0041
#1	1.077	-.0077	.0146	.15334	.00002	.0038
#2	1.080	-.0016	.0051	.15166	.00000	.0044
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	58.67	.0039	.0057	.0024	2.091
#1	.0011	58.47	.0044	.0063	.0020	2.100
#2	.0008	58.88	.0034	.0050	.0027	2.081
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	22.82	.56342	.0051	.0033	7.305
#1	.0134	22.89	.56517	.0041	.0032	7.294
#2	-.0020	22.74	.56167	.0060	.0034	7.315
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050	-.0015	32.48	.0026	.0067	.0076
#1	.0009	.0012	32.75	.0000	.0073	.0085
#2	.0092	-.0042	32.21	.0052	.0060	.0067
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3207	33.10	.06770	.0012	.01565	.29003
#1	.3184	33.13	.06583	-.0036	.01567	.29145
#2	.3229	33.07	.06958	.0060	.01563	.28860
Int. Std.	Sc3572					
Units	Cts/S					
Avg	182.76					
#1	181.88					
#2	183.64					

Method: 2010A Sample Name: K1004575-001L Operator: JC  
 Comment: 1/5 (202239) (052610A)  
 Run Time: 05/26/10 10:01 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2163	.0022	-.0014	.03039	-.00006	.0006
#1	.2141	.0035	-.0030	.03036	-.00009	.0010
#2	.2185	.0009	.0001	.03041	-.00002	.0002
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	11.94	.0003	.0011	.0014	.4187
#1	.0001	11.93	.0001	.0016	.0017	.4198
#2	.0001	11.96	.0004	.0006	.0011	.4177
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043	4.5129	.11294	-.0002	-.0004	1.405
#1	.0082	4.5285	.11325	.0000	-.0006	1.410
#2	.0005	4.4973	.11264	-.0005	-.0002	1.401
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097	.0028	6.035	-.0005	.0034	-.0001
#1	.0118	.0038	6.040	-.0004	.0032	.0002
#2	.0076	.0019	6.029	-.0006	.0037	-.0003
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0658	6.038	.01207	.0099	.00273	.05684
#1	.0670	6.042	.01111	-.0030	.00247	.05721
#2	.0645	6.034	.01304	.0228	.00298	.05648
Int. Std.	Sc3572					
Units	Cts/S					
Avg	188.31					
#1	187.67					
#2	188.94					

Method: 2010A      Sample Name: K1004575-001S      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:04 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.262	.4694	1.023	2.1417	.04793	1.030
#1	3.257	.4747	1.011	2.1437	.04788	1.031
#2	3.268	.4642	1.036	2.1397	.04798	1.029
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0493	58.72	.2003	.4817	.2395	3.256
#1	.0492	58.94	.2015	.4822	.2403	3.259
#2	.0494	58.49	.1992	.4811	.2387	3.252
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4672	23.03	1.0688	1.011	.4794	7.366
#1	.4672	23.15	1.0644	1.010	.4836	7.353
#2	.4671	22.92	1.0733	1.011	.4752	7.379
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9960	.0462	32.82	.0053	.4936	.4896
#1	.9981	.0454	32.91	-.0010	.4910	.4891
#2	.9939	.0470	32.73	.0116	.4962	.4900
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3448	33.62	.06342	.9541	.01578	.29274
#1	.3409	33.62	.06230	.9683	.01604	.29266
#2	.3488	33.63	.06453	.9400	.01552	.29283
Int. Std.	Sc3572					
Units	Cts/S					
Avg	182.84					
#1	182.66					
#2	183.03					

Method: 2010A Sample Name: K1004575-002 Operator: JC  
 Comment: (202239) (052610A)  
 Run Time: 05/26/10 10:07 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1323	.0092	.0145	.09900	-.00007	.0287
#1	.1302	.0018	.0101	.09869	-.00005	.0296
#2	.1344	.0166	.0189	.09931	-.00008	.0279
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	151.1	.0023	.0122	.0011	.1989
#1	.0009	150.6	.0022	.0117	.0012	.1996
#2	.0010	151.5	.0024	.0127	.0011	.1983
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0060	52.58	1.2011	.0384	.0132	14.73
#1	-.0069	52.80	1.1982	.0398	.0127	14.69
#2	-.0051	52.35	1.2040	.0370	.0136	14.77
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104	.0013	138.7	-.0005	.0046	.0010
#1	.0104	.0016	138.5	-.0045	.0012	.0009
#2	.0104	.0010	138.9	.0034	.0080	.0011
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3009	22.15	.00538	.0080	.01348	.85389
#1	.2972	22.25	.00537	-.0033	.01342	.85636
#2	.3046	22.06	.00540	.0194	.01355	.85143
Int. Std.	Sc3572					
Units	Cts/S					
Avg	182.26					
#1	182.04					
#2	182.47					

Method: 2010A Sample Name: K1004575-003 Operator: JC  
 Comment: (202239) (052610A)  
 Run Time: 05/26/10 10:10 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1273	.0034	.0155	.09864	-.00011	.0305
#1	.1188	.0008	.0126	.09904	-.00004	.0311
#2	.1358	.0060	.0183	.09825	-.00017	.0298
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	151.7	.0004	.0130	-.0015	.1802
#1	.0013	150.9	.0005	.0131	-.0030	.1808
#2	.0016	152.6	.0003	.0129	.0000	.1795
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	52.96	1.2078	.0353	.0121	14.91
#1	.0028	52.95	1.2115	.0366	.0127	14.92
#2	-.0043	52.98	1.2042	.0340	.0116	14.90
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083	.0032	140.2	.0102	.0058	.0014
#1	.0007	.0019	140.9	.0065	.0051	.0012
#2	.0159	.0044	139.6	.0139	.0064	.0015
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3066	22.14	.00507	.0033	.01358	.86630
#1	.2993	22.14	.00616	-.0015	.01393	.86881
#2	.3139	22.13	.00398	.0080	.01323	.86379
Int. Std.	Sc3572					
Units	Cts/S					
Avg	181.74					
#1	181.49					
#2	181.98					

Method: 2010A      Sample Name: K1004575-004      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:13 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0156	-.0005	.0000	-.00008	.00004	-.0001
#1	.0064	-.0035	-.0085	-.00041	.00007	-.0001
#2	.0248	.0026	.0085	.00026	.00001	-.0001
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0877	.0011	-.0002	.0016	.0026
#1	.0001	.0859	.0010	-.0003	.0012	.0028
#2	.0003	.0894	.0013	.0000	.0021	.0024
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0066	.00746	.00012	-.0012	-.0007	.0079
#1	-.0092	.00822	.00023	-.0018	-.0011	.0174
#2	-.0041	.00670	.00001	-.0005	-.0003	-.0015
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0159	.0022	.0257	.0033	.0009	.0001
#1	.0269	.0009	.0260	.0058	.0009	.0002
#2	.0048	.0035	.0255	.0009	.0010	.0000
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2300	.0109	-.00188	-.0001	-.00003	.00020
#1	.2347	.0112	-.00135	-.0114	.00000	.00024
#2	.2253	.0105	-.00242	.0111	-.00006	.00017
Int. Std.	Sc3572					
Units	Cts/S					
Avg	184.97					
#1	184.33					
#2	185.62					

Method:	2010A	Sample Name:	K1004635-001	Operator:	JC
Comment:		(202239)	(052610A)		
Run Time:	05/26/10 10:16	Type:	Unk	Mode:	CONC
				Corr.Fact:	1.000000
Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	.0081	-.0017	.06553	-.00003
#1	.0135	.0116	.0021	.06523	-.00004
#2	-.0149	.0046	-.0055	.06582	-.00002
Elem	B_2497	Cd2265	Ca2112	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0066	-.0003	104.8	.0014	.0021
#1	.0063	-.0002	104.5	.0006	.0017
#2	.0069	-.0003	105.0	.0021	.0026
Elem	Cu3247	Fe2599	Pb2203	Mg2025	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	.0202	.0031	33.34	.17435
#1	-.0010	.0199	.0009	33.41	.17442
#2	-.0010	.0204	.0053	33.27	.17429
Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0117	.0020	6.135	.0083	.0033
#1	.0119	.0022	6.148	.0104	.0038
#2	.0114	.0018	6.122	.0062	.0029
Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	26.86	.0018	.0038	.0000	.2237
#1	27.04	-.0041	.0047	-.0001	.2178
#2	26.69	.0076	.0030	.0001	.2295
Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	19.13	-.00136	-.0125	.01169	.39288
#1	19.13	-.00145	-.0182	.01151	.39355
#2	19.14	-.00127	-.0068	.01187	.39221
Int. Std.	Sc3572				
Units	Cts/S				
Avg	182.51				
#1	182.29				
#2	182.73				



Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 05/26/10 10:19 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.032	-.0002	-.0022	2.4912	.05012	-.0178
Stddev	.033	.0050	.0062	.0032	.00005	.0006
%RSD	.6459	2772.	280.8	.12878	.10238	3.426
#1	5.009	-.0037	.0022	2.4889	.05009	-.0182
#2	5.055	.0033	-.0066	2.4934	.05016	-.0174
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	.0023	25.34	.0021	-.0010	-.0011	25.13
Stddev	.0002	.06	.0005	.0023	.0005	.11
%RSD	7.610	.2278	24.60	221.3	49.67	.4193
#1	.0024	25.29	.0025	-.0026	-.0014	25.06
#2	.0021	25.38	.0017	.0006	-.0007	25.21
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	-.0060	25.12	4.957	-.0015	-.0038	9.956
Stddev	.0146	.22	.028	.0019	.0000	.059
%RSD	243.7	.8713	.5608	128.0	.8036	.5980
#1	.0043	24.96	4.937	-.0029	-.0038	9.998
#2	-.0163	25.27	4.977	-.0001	-.0038	9.914
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	-.0065	-.0008	9.780	.0102	.0044	.0003
Stddev	.0068	.0029	.041	.0009	.0021	.0005
%RSD	105.3	367.7	.4199	9.229	47.59	202.6
#1	-.0017	-.0028	9.810	.0109	.0059	-.0001
#2	-.0113	.0013	9.751	.0095	.0029	.0006
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 05/26/10 10:19

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.963	2.513	.00056	-.0145	.49425	.50331
Stddev	.023	.002	.00088	.0092	.00263	.00129
%RSD	.2305	.0720	157.01	63.47	.53248	.25665

#1	9.946	2.512	.00118	-.0210	.49611	.50240
#2	9.979	2.514	-.00006	-.0080	.49239	.50423

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	184.71
Stddev	.23
%RSD	.12372

#1	184.88
#2	184.55

Method: 2010A Sample Name: CCVA

Operator:

Comment:

Run Time: 05/26/10 10:22 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4708	2.448	2.454	.45603	.52703	.4969
Stddev	.0031	.002	.001	.00143	.00120	.0010
%RSD	.6632	.0769	.0466	.31382	.22797	.2054
#1	.4685	2.447	2.454	.45704	.52788	.4976
#2	.4730	2.449	2.453	.45502	.52618	.4961
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	.4925	2.425	.4935	.4924	.5043	.5036
Stddev	.0006	.010	.0024	.0041	.0004	.0099
%RSD	.1118	.4204	.4812	.8295	.0713	1.964
#1	.4922	2.418	.4952	.4953	.5046	.5106
#2	.4929	2.432	.4918	.4895	.5041	.4966
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	2.459	1.9799	.96289	.9764	.4915	5.015
Stddev	.000	.0016	.01027	.0003	.0001	.017
%RSD	.0047	.08281	1.0668	.0292	.0273	.3294
#1	2.459	1.9810	.97015	.9766	.4914	5.004
#2	2.459	1.9787	.95563	.9762	.4916	5.027
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	2.442	.4894	.4720	2.391	.4944	.4901
Stddev	.035	.0015	.0036	.008	.0032	.0025
%RSD	1.454	.3109	.7668	.3485	.6395	.5029
#1	2.467	.4883	.4695	2.397	.4922	.4918
#2	2.417	.4904	.4746	2.385	.4967	.4884
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: 05/26/10 10:22

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0118	.2637	.49145	4.881	.00016	.00169
Stddev	.0030	.0043	.00246	.017	.00022	.00006
%RSD	25.82	1.649	.50083	.3469	138.22	3.3820
#1	-.0140	.2667	.48971	4.869	.00000	.00165
#2	-.0097	.2606	.49320	4.893	.00032	.00174
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	188.53
Stddev	.25
%RSD	.13027
#1	188.36
#2	188.71

Method: 2010A Sample Name: CCB Operator:  
 Comment:  
 Run Time: 05/26/10 10:25 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0227	.0079	.0063	.00031	.00010	.0005
Stddev	.0130	.0136	.0022	.00015	.00006	.0002
%RSD	57.35	172.4	35.36	46.956	58.430	34.46
#1	.0135	.0175	.0047	.00042	.00006	.0004
#2	.0320	-.0017	.0079	.00021	.00014	.0006
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	.0091	.0009	.0009	.0028	.0036
Stddev	.0004	.0047	.0002	.0003	.0006	.0005
%RSD	86.08	50.97	21.14	30.76	22.40	13.27
#1	-.0008	.0124	.0007	.0007	.0024	.0039
#2	-.0002	.0058	.0010	.0011	.0033	.0033
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	.0010	.00283	.00084	.0022	-.0011	.0047
Stddev	.0034	.00000	.00007	.0012	.0002	.0132
%RSD	349.5	.01673	8.1951	53.02	16.83	284.1
#1	.0033	.00283	.00089	.0030	-.0010	-.0047
#2	-.0014	.00283	.00079	.0014	-.0012	.0140
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	.0055	.0036	.0027	-.0024	.0019	-.0003
Stddev	.0088	.0025	.0016	.0063	.0012	.0001
%RSD	159.1	67.63	59.12	260.1	65.44	23.31
#1	-.0007	.0019	.0015	.0020	.0010	-.0004
#2	.0117	.0054	.0038	-.0068	.0028	-.0003
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: 05/26/10 10:25

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0032	.0000	-.00140	.0120	.00022	.00007
Stddev	.0014	.0037	.00130	.0066	.00022	.00004
%RSD	43.17	29510.	93.033	55.01	101.78	53.882
#1	-.0042	.0026	-.00231	.0167	.00038	.00010
#2	-.0022	-.0026	-.00048	.0073	.00006	.00005
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	184.67					
Stddev	.00					
%RSD	.00137					
#1	184.68					
#2	184.67					

Method: 2010A      Sample Name: K1004635-002      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:28 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036	-.0018	.0094	.00014	-.00002	-.0003
#1	.0050	.0043	.0154	.00005	-.00002	-.0007
#2	.0021	-.0079	.0035	.00024	-.00002	.0002
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0761	.0010	.0003	.0018	.0040
#1	.0007	.0753	.0018	.0009	.0021	.0044
#2	.0004	.0769	.0002	-.0003	.0015	.0036
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0059	.01208	.00002	-.0020	.0016	.0077
#1	-.0040	.01216	-.00005	-.0009	.0011	.0128
#2	-.0079	.01200	.00009	-.0030	.0021	.0026
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041	.0032	.0366	.0034	.0005	.0002
#1	.0007	.0016	.0391	.0060	.0006	.0003
#2	.0076	.0047	.0341	.0008	.0004	.0001
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2333	.0073	-.00003	.0101	-.00013	.00032
#1	.2329	.0075	-.00105	.0185	-.00033	.00036
#2	.2336	.0070	.00098	.0016	.00007	.00028
Int. Std.	Sc3572					
Units	Cts/S					
Avg	183.62					
#1	183.56					
#2	183.68					

Method: 2010A      Sample Name: K1004635-003      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:31 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1744	.0016	.0015	.27913	-.00006	.0102
#1	.1901	-.0032	.0040	.27970	-.00004	.0106
#2	.1587	.0064	-.0011	.27857	-.00009	.0098
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	130.8	.0015	.0060	-.0007	.4401
#1	.0004	130.2	.0024	.0062	-.0009	.4424
#2	.0011	131.4	.0006	.0058	-.0006	.4378
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	47.20	.06285	.0151	.0033	7.987
#1	.0037	47.26	.06298	.0158	.0030	7.980
#2	-.0017	47.15	.06272	.0144	.0035	7.994
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0166	.0005	127.3	-.0091	.0060	.0009
#1	.0242	.0022	127.7	-.0043	.0055	.0012
#2	.0090	-.0013	126.9	-.0140	.0064	.0007
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2674	21.70	.00716	.0095	.01938	.62964
#1	.2706	21.67	.00672	.0113	.01903	.63151
#2	.2642	21.73	.00761	.0077	.01973	.62777
Int. Std.	Sc3572					
Units	Cts/S					
Avg	181.89					
#1	181.22					
#2	182.56					



Method: 2010A      Sample Name: RB      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:34 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0107	-.0009	-.0006	-.00014	-.00001
#1	-.0149	.0000	-.0041	-.00045	-.00001
#2	-.0064	-.0018	.0028	.00018	.00000
Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0013	-.0003	.0071	.0000	.0002
#1	.0009	-.0004	.0089	-.0014	.0006
#2	.0017	-.0002	.0053	.0013	-.0003
Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0008	-.0064	.00059	-.00011
#1	.0009	-.0006	-.0178	.00089	-.00005
#2	-.0004	-.0010	.0049	.00029	-.00017
Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0015	.0002	.0115	.0000	-.0003
#1	-.0008	.0005	-.0081	-.0035	-.0025
#2	-.0022	-.0001	.0310	.0035	.0019
Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0156	.0054	.0023	-.0005	-.0006
#1	.0163	.0049	.0034	-.0012	-.0018
#2	.0149	.0059	.0012	.0002	.0006
Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0016	-.00151	.0018	-.00045	.00000
#1	.0029	-.00133	.0129	-.00065	.00000
#2	.0004	-.00168	-.0093	-.00025	.00000
Int. Std.	Sc3572				
Units	Cts/S				
Avg	185.08				
#1	184.34				
#2	185.82				

Method: 2010A Sample Name: K1005150-001 Operator: JC  
 Comment: RERUN (202239) (052610A)  
 Run Time: 05/26/10 10:38 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.08	.0121	-.0045	.01760	.00051	.0010
#1	12.08	.0138	-.0114	.01748	.00051	.0010
#2	12.09	.0104	.0024	.01772	.00051	.0011
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1507	333.8	.0117	.1304	.4813	13.22
#1	.1505	331.3	.0125	.1289	.4828	13.21
#2	.1509	336.3	.0109	.1318	.4798	13.23
Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0079	28.02	5.985	-.0015	1.037	1.702
#1	-.0108	27.94	5.975	-.0018	1.034	1.693
#2	-.0050	28.11	5.995	-.0011	1.041	1.710
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0190	.0032	4.393	.0059	.0034	18.09
#1	.0252	.0028	4.383	.0065	.0045	18.05
#2	.0127	.0035	4.402	.0052	.0023	18.13
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1582	11.18	-.00087	-.0145	.06444	1.5672
#1	.1580	11.14	-.00082	-.0173	.06444	1.5611
#2	.1584	11.22	-.00093	-.0117	.06443	1.5733
Int. Std.	Sc3572					
Units	Cts/S					
Avg	181.35					
#1	181.63					
#2	181.07					

Method: 2010A Sample Name: K1005157-001 Operator: JC  
 Comment: RERUN (202239) (052610A)  
 Run Time: 05/26/10 10:41 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.37	.0086	.0080	.01802	.00057	-.0002
#1	12.50	.0043	.0115	.01845	.00052	.0005
#2	12.23	.0130	.0045	.01759	.00063	-.0009
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1541	340.2	.0106	.1355	.4800	15.03
#1	.1559	342.0	.0093	.1345	.4786	15.19
#2	.1523	338.3	.0118	.1365	.4814	14.87
Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0035	28.60	6.079	-.0014	1.064	1.720
#1	-.0067	28.90	6.081	-.0015	1.073	1.710
#2	-.0002	28.29	6.077	-.0013	1.054	1.730
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0232	.0033	4.383	.0008	.0054	18.48
#1	.0309	.0032	4.401	-.0064	.0031	18.64
#2	.0156	.0035	4.364	.0080	.0076	18.31
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1856	11.41	.00057	-.0380	.06543	1.5892
#1	.1916	11.48	.00196	-.0401	.06591	1.5915
#2	.1795	11.33	-.00082	-.0360	.06495	1.5869
Int. Std.	Sc3572					
Units	Cts/S					
Avg	181.01					
#1	180.39					
#2	181.63					

Method: 2010A      Sample Name: RB      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:43 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0156	-.0044	.0047	-.00004	-.00004	.0008
#1	.0121	-.0140	.0091	-.00021	-.00006	.0008
#2	.0191	.0052	.0003	.00013	-.00002	.0007
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0101	.0005	.0003	.0018	.0047
#1	.0000	.0023	.0010	.0004	.0009	.0085
#2	.0008	.0180	.0000	.0002	.0027	.0010
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0023	.00030	.00035	-.0008	.0003	-.0076
#1	-.0070	.00048	.00069	-.0013	.0005	.0010
#2	.0025	.00013	.00001	-.0002	.0002	-.0162
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0025	.0160	-.0028	-.0004	.0005
#1	.0007	.0029	.0146	-.0096	-.0019	.0016
#2	.0021	.0022	.0174	.0040	.0011	-.0006
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	.0021	-.00215	-.0002	-.00005	-.00001
#1	.0112	.0018	-.00447	-.0039	.00010	.00002
#2	.0002	.0024	.00017	.0035	-.00019	-.00003
Int. Std.	Sc3572					
Units	Cts/S					
Avg	184.36					
#1	184.65					
#2	184.06					

Method:	2010A	Sample Name:	K1004814-MB	Operator:	JC
Comment:		(202239)	(052610A)		
Run Time:	05/26/10	10:47	Type: Unk	Mode: CONC	Corr.Fact: 1.000000
Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0078	-.0070	.0013	.00018	.00006
#1	-.0007	-.0097	.0041	-.00016	.00003
#2	-.0149	-.0044	-.0016	.00052	.00009
Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0001	.0046	.0010	-.0004
#1	-.0008	.0001	.0069	.0015	-.0003
#2	-.0001	-.0002	.0023	.0004	-.0006
Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0009	-.0015	.00006	.00001
#1	.0013	-.0008	-.0040	.00008	.00007
#2	.0009	-.0011	.0011	.00003	-.00005
Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0023	.0009	-.0067	.0152	.0033
#1	-.0026	.0014	-.0175	.0242	.0016
#2	-.0020	.0004	.0041	.0062	.0051
Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0014	.0005	-.0004	.2214
#1	.0022	.0070	.0005	-.0004	.2149
#2	-.0002	-.0042	.0004	-.0005	.2280
Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.00308	-.0010	-.00009	-.00002
#1	.0007	-.00178	.0018	.00000	.00000
#2	.0000	-.00438	-.0038	-.00017	-.00005
Int. Std.	Sc3572				
Units	Cts/S				
Avg	185.24				
#1	185.03				
#2	185.45				

Method: 2010A      Sample Name: LCSW      Operator: JC  
 Comment:      K1004814      (202239) (052610A)  
 Run Time: 05/26/10 10:50 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.084	2.835	2.585	5.3318	.12889	1.049
#1	5.094	2.826	2.572	5.3252	.12896	1.048
#2	5.074	2.844	2.598	5.3384	.12882	1.050
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.284	12.52	.5249	1.288	.6442	2.578
#1	1.287	12.49	.5257	1.293	.6442	2.585
#2	1.282	12.55	.5240	1.284	.6442	2.570
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.590	12.69	1.2478	1.031	1.284	13.05
#1	2.602	12.72	1.2506	1.026	1.289	13.10
#2	2.579	12.66	1.2450	1.036	1.280	13.01
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.612	.6304	13.03	.0013	1.288	1.285
#1	2.623	.6285	13.11	.0071	1.291	1.284
#2	2.601	.6323	12.95	-.0045	1.286	1.287
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2123	.0072	.00121	2.576	-.00011	.00706
#1	.2216	.0078	.00298	2.574	-.00037	.00713
#2	.2029	.0066	-.00057	2.579	.00014	.00699
Int. Std.	Sc3572					
Units	Cts/S					
Avg	183.34					
#1	182.51					
#2	184.17					

Method: 2010A      Sample Name: K1004814-003      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:52 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0257	.0092	.0236	.12398	-.00007	.0143
#1	.0292	.0087	.0236	.12408	-.00006	.0137
#2	.0221	.0096	.0236	.12389	-.00008	.0149
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	93.40	.0029	.0005	.0057	.0873
#1	.0003	92.93	.0045	.0017	.0059	.0891
#2	.0003	93.86	.0013	-.0007	.0056	.0855
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0089	42.09	.00128	.0015	-.0005	7.043
#1	-.0065	42.18	.00136	.0021	-.0013	7.028
#2	-.0113	42.00	.00121	.0010	.0003	7.059
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0131	.0005	42.76	-.0026	.0071	.0824
#1	.0076	.0019	42.66	-.0051	.0095	.0819
#2	.0186	-.0009	42.85	-.0001	.0047	.0828
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4004	16.33	.00206	-.0078	.02073	.56654
#1	.4016	16.33	.00278	-.0098	.02082	.56664
#2	.3991	16.32	.00134	-.0059	.02064	.56643
Int. Std.	Sc3572					
Units	Cts/S					
Avg	183.10					
#1	182.56					
#2	183.63					

Method: 2010A      Sample Name: K1004814-003D      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:55 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0420	.0009	.0132	.12235	-.00002	.0147
#1	.0406	.0018	.0053	.12251	-.00006	.0150
#2	.0434	.0000	.0211	.12218	.00002	.0144
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	93.16	.0036	.0005	.0063	.1033
#1	.0006	92.90	.0035	.0004	.0071	.1028
#2	.0008	93.41	.0036	.0006	.0056	.1038
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0044	41.63	.00104	.0015	-.0007	6.936
#1	-.0100	41.69	.00103	.0021	-.0014	6.935
#2	.0013	41.57	.00106	.0008	.0000	6.938
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0166	.0025	42.30	.0040	.0050	.0827
#1	.0076	.0032	42.37	.0009	.0040	.0833
#2	.0256	.0019	42.23	.0070	.0060	.0821
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4093	16.15	.00074	-.0059	.02060	.55942
#1	.4059	16.16	-.00083	.0072	.02083	.56066
#2	.4126	16.15	.00232	-.0191	.02037	.55817
Int. Std.	Sc3572					
Units	Cts/S					
Avg	183.28					
#1	183.33					
#2	183.24					



Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 05/26/10 10:58 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.006	.0046	.0091	2.5154	.04997	-.0176
Stddev	.007	.0019	.0071	.0057	.00017	.0002
%RSD	.1359	40.32	77.76	.22758	.34141	1.297
#1	5.001	.0060	.0041	2.5195	.05009	-.0178
#2	5.010	.0033	.0142	2.5114	.04985	-.0175
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	25.53	.0022	-.0013	.0010	25.25
Stddev	.0003	.18	.0006	.0003	.0011	.14
%RSD	18.17	.7237	27.40	22.41	110.8	.5356
#1	.0019	25.40	.0027	-.0011	.0017	25.34
#2	.0014	25.66	.0018	-.0015	.0002	25.15
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	-.0086	25.14	4.966	-.0010	-.0038	9.917
Stddev	.0049	.04	.031	.0009	.0012	.011
%RSD	56.84	.1715	.6307	95.40	31.51	.1074
#1	-.0120	25.17	4.989	-.0003	-.0046	9.925
#2	-.0051	25.11	4.944	-.0016	-.0030	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	.0156	.0008	9.831	.0050	.0056	.0004
Stddev	.0068	.0016	.058	.0024	.0011	.0005
%RSD	43.80	198.4	.5938	47.74	20.21	109.2
#1	.0205	.0019	9.872	.0033	.0064	.0008
#2	.0108	-.0003	9.789	.0067	.0048	.0001
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 05/26/10 10:58

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.969	2.515	.00222	-.0212	.49483	.50498
Stddev	.011	.005	.00067	.0077	.00096	.00249
%RSD	.1064	.2014	30.062	36.22	.19475	.49373
#1	9.962	2.518	.00269	-.0158	.49551	.50675
#2	9.977	2.511	.00175	-.0266	.49415	.50322
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	183.98					
Stddev	1.06					
%RSD	.57489					
#1	183.23					
#2	184.73					

Method: 2010A

Sample Name: CCVA

Operator:

Comment:

Run Time: 05/26/10 11:01 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4630	2.452	2.411	.45783	.53097	.4981
Stddev	.0020	.012	.004	.00015	.00219	.0004
%RSD	.4402	.4799	.1633	.03263	.41186	.0770
#1	.4644	2.460	2.408	.45772	.53252	.4983
#2	.4615	2.444	2.414	.45794	.52942	.4978
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	.4951	2.462	.4955	.4954	.5007	.5098
Stddev	.0005	.008	.0019	.0003	.0028	.0116
%RSD	.1017	.3377	.3848	.0650	.5530	2.281
#1	.4947	2.468	.4968	.4957	.5026	.5180
#2	.4954	2.456	.4941	.4952	.4987	.5016
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	2.453	1.9790	.96813	.9806	.4950	4.949
Stddev	.004	.0041	.00666	.0011	.0007	.043
%RSD	.1840	.20779	.68769	.1125	.1487	.8750
#1	2.456	1.9819	.96342	.9798	.4955	4.919
#2	2.449	1.9761	.97283	.9814	.4945	4.980
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	2.431	.4907	.4753	2.401	.4989	.4905
Stddev	.003	.0150	.0021	.018	.0005	.0036
%RSD	.1177	3.053	.4475	.7561	.1002	.7429
#1	2.429	.4801	.4738	2.414	.4986	.4880
#2	2.433	.5013	.4768	2.388	.4993	.4931
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: 05/26/10 11:01

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0072	.2584	.49676	4.883	.00014	.00173
Stddev	.0090	.0022	.00344	.010	.00028	.00001
%RSD	125.8	.8392	.69160	.2134	206.38	.62002

#1	-.0135	.2599	.49919	4.876	-.00006	.00173
#2	-.0008	.2569	.49433	4.891	.00033	.00174

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	187.66
Stddev	.54
%RSD	.29016

#1	187.28
#2	188.05

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 05/26/10 11:04 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085	.0061	.0047	-.00008	.00013	.0006
Stddev	.0071	.0050	.0036	.00014	.00006	.0009
%RSD	82.84	81.53	75.44	172.39	48.399	154.7

#1	.0035	.0097	.0022	-.00018	.00008	.0012
#2	.0135	.0026	.0072	.00002	.00017	-.0001

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	.0033	.0008	.0004	.0001	.0036
Stddev	.0002	.0007	.0008	.0004	.0010	.0002
%RSD	68.07	21.72	93.42	100.7	1296.	4.731

#1	.0005	.0038	.0003	.0001	-.0006	.0038
#2	.0002	.0028	.0014	.0007	.0007	.0035

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	-.0003	.00299	.00088	.0009	-.0010	-.0154
Stddev	.0009	.00001	.00013	.0025	.0002	.0209
%RSD	261.5	.38937	14.321	270.5	22.49	135.6

#1	-.0010	.00298	.00096	.0027	-.0008	-.0006
#2	.0003	.00299	.00079	-.0009	-.0011	-.0302

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	.0027	.0029	-.0019	-.0016	-.0013
Stddev	.0088	.0007	.0019	.0109	.0009	.0007
%RSD	637.1	24.83	66.36	562.1	54.29	53.32

#1	.0048	.0022	.0043	.0058	-.0010	-.0008
#2	-.0076	.0032	.0015	-.0097	-.0022	-.0018

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: 05/26/10 11:04

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0220	.0014	-.00018	.0073	-.00027	.00014
Stddev	.0058	.0003	.00112	.0132	.00025	.00001
%RSD	26.32	19.02	627.43	180.4	91.510	5.7173
#1	.0179	.0016	-.00097	-.0020	-.00010	.00014
#2	.0261	.0012	.00061	.0167	-.00044	.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	184.71					
Stddev	.35					
%RSD	.19070					
#1	184.46					
#2	184.96					

Service Request # K1004575 <sup>ICG/AC/10</sup> JB 5/18/10  
 Calibration 051710AMS03, 051710DMS03, 051810BMS03  
 QC in calibration 051710DMS03  
 QC Service Request # K1004575  
 STARLIMS run # 200725

## ICP-MS Data Review Form

	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. CCV's in control	<u>X</u>	<u>    </u>	<u>    </u>
4. CCB's and/or ICB's below MRL	<u>X</u>	<u>    </u>	<u>    </u>
5. Method blank below MRL	<u>X</u>	<u>    </u>	<u>    </u>
6. LCS in control	<u>X</u>	<u>    </u>	<u>    </u>
7. Spike and duplicate in control	<u>X</u>	<u>    </u>	<u>    </u>
8. All analytes within instrument linear range	<u>X</u>	<u>    </u>	<u>    </u>
9. Adequate rinse out time allowed	<u>X</u>	<u>    </u>	<u>    </u>
10. Internal standards in control	<u>X</u>	<u>    </u>	<u>    </u>
11. Interferences checked	<u>X</u>	<u>    </u>	<u>    </u>
12. Se over MRL	<u>    </u>	<u>X</u>	<u>    </u>
13. CRA run	<u>X</u>	<u>    </u>	<u>    </u>
14. Cd Correction Applied	<u>    </u>	<u>X</u>	<u>    </u>
15. ICSA and ICSAB in control	<u>X</u>	<u>    </u>	<u>    </u>
16. Serial dilution run	<u>X</u>	<u>    </u>	<u>    </u>
17. Post spike in control	<u>X</u>	<u>    </u>	<u>    </u>

Comments: 051710AMS03=Report All Analytes except Cu, V, Pb  
~~MIB, LCS only 051710DMS03= Report Cu, V, Pb for totals and 1 diss JB 5/18/10 Cu, V, Pb~~  
> sample -> 051810BMS03= Report rest of samples for Cu, V, Pb  
 Primary Review by JB Date 5/18/10  
 Secondary Review by [Signature] Date 5/19/10  
R:\icp\misc\data review forms\icpms review form

## Performance Report

### Sample details

Acquired at : 05/14/2010 10:54:45 AM

Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

### Mass Calibration verification

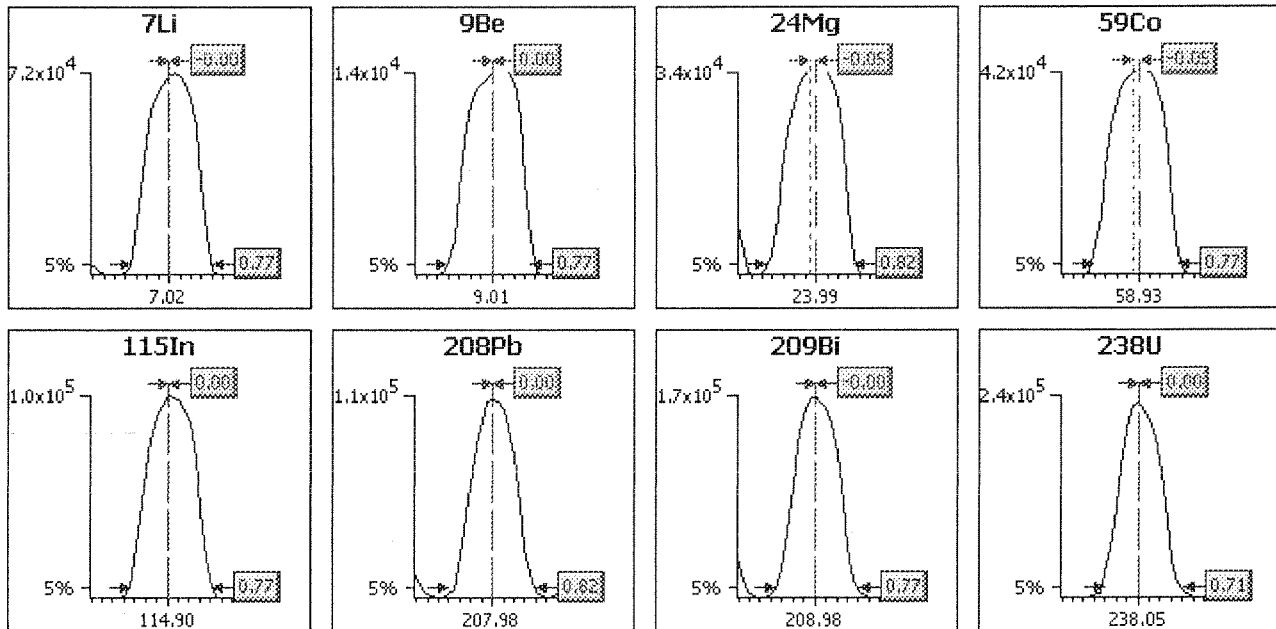
#### Acquisition parameters

Sweeps : 100

Dwell : 1.0 mSecs

Point spacing : 0.05 amu

Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.90	0.60	0.10	0.77	-0.00
9Be	0.90	0.60	0.10	0.77	0.00
24Mg	0.90	0.60	0.10	0.82	-0.05
59Co	0.90	0.60	0.10	0.77	-0.05
115In	0.90	0.60	0.10	0.77	0.00
208Pb	0.90	0.60	0.10	0.82	0.00
209Bi	0.90	0.60	0.10	0.77	-0.00
238U	0.90	0.60	0.10	0.71	0.00



**Sample details**

Acquired at : 05/14/2010 10:54:45 AM

Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

**Tune conditions**

Major		Minor		Global		Add. Gases
Extraction	-106	Lens 2	-17.3	Standard resolution	115	
Lens 1	4.7	Lens 3	-182.7	High resolution	105	
Focus	20.2	Forward power	1200	Analogue Detector	2000	
D1	-37.6	Horizontal	111	PC Detector	3422	
Pole Bias	0.4	Vertical	19			
Hexapole Bias	4.9	D2	-151			
Nebuliser	0.71	DA	-42.4			
Sampling Depth	20	Cool	13.0			
		Auxiliary	0.67			

**Sensitivity and stability results****Acquisition parameters**

Sweeps : 400

Run	Time	5Bkg	7Li	9Be	24Mg	59Co	115In	140Ce	156Ce O	208Pb
<b>Dwell (mSecs)</b>		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Limits</b>	<b>%RSD</b>	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	-	5.0%
	<b>CountRate</b>	-	>1000	>1000	>1000	>1000	>1000	-	-	>1000
1	10:55:17 AM	0.000	69807.243	14608.478	35053.953	43992.185	104416.48	110520.00	2026.476	109328.22
2	10:56:30 AM	0.000	69913.555	14492.543	35109.165	44002.485	104249.08	110679.67	1994.719	109788.21
3	10:57:42 AM	0.000	70390.464	14540.619	35039.648	43935.160	104274.62	110592.12	1952.210	109612.10
4	10:58:55 AM	0.000	69862.918	14652.549	34998.992	43928.880	103728.93	110671.32	2003.721	108799.94
5	11:00:08 AM	0.000	70058.918	14455.985	35088.837	44331.076	104475.15	110861.11	1988.467	109396.28
x		0.000	70006.619	14550.035	35058.119	44037.957	104228.85	110664.84	1993.118	109384.95
$\sigma$		0.00	234.06	80.88	43.02	167.14	295.08	127.53	27.03	374.10
%RSD		0.000	0.334	0.556	0.123	0.380	0.283	0.115	1.356	0.342

Run	Time	209Bi	220Bkg	238U
<b>Dwell (mSecs)</b>		10.0	10.0	10.0
<b>Limits</b>	<b>%RSD</b>	5.0%	-	5.0%
	<b>CountRate</b>	>1000	-	>1000
1	10:55:17 AM	169701.02	0.250	234714.12
2	10:56:30 AM	170319.68	0.250	235851.24
3	10:57:42 AM	170194.62	0.000	235990.28
4	10:58:55 AM	170016.07	0.000	235649.36
5	11:00:08 AM	169851.28	0.000	236271.96
x		170016.53	0.100	235695.39
$\sigma$		250.23	0.14	593.44
%RSD		0.147	136.931	0.252

**Ratio results**

Run	Time	156Ce O/140Ce
<b>Ratio limits</b>		<0.0200
1	10:55:17 AM	0.018
2	10:56:30 AM	0.018
3	10:57:42 AM	0.018
4	10:58:55 AM	0.018
5	11:00:08 AM	0.018
x		0.0180
$\sigma$		0.00
%RSD		1.3844

Result : The performance report passed.

## Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	Cal. Blk	Blank	1.000	0	1	1	150
2	Cal. Stn	Fully Quant Standard	1.000	0	1	2	150
3	ICV1	Unknown	1.000	0	1	3	150
4	CCV1	Unknown	1.000	0	1	2	150
5	ICB1	Unknown	1.000	0	1	1	150
6	CCB1	Unknown	1.000	0	1	1	150
7	CRA	Unknown	1.000	0	1	4	150
8	ICSA	Unknown	1.000	0	1	5	150
9	ICSAB	Unknown	1.000	0	1	6	150
10	CRA	Unknown	1.000	0	1	4	150
11	K1004201-MB	Unknown	1.000	1	1	1	150
12	LCSW	Unknown	1.000	1	1	2	150
13	DLCSW	Unknown	1.000	1	1	3	150
14	K1004201-001	Unknown	1.000	1	1	4	150
15	K1004201-001D	Unknown	1.000	1	1	5	150
16	K1004201-001 1/5L	Unknown	1.000	1	1	6	150
17	K1004201-001A	Unknown	1.000	1	1	7	150
18	CCV2	Unknown	1.000	0	1	2	150
19	CCB2	Unknown	1.000	0	1	1	150
20	K1004201-001S	Unknown	1.000	1	1	8	150
21	K1004201-002	Unknown	1.000	1	1	9	150
22	K1004201-001 DISS	Unknown	1.000	1	1	10	150
23	K1004201-002 DISS	Unknown	1.000	1	1	11	150
24	K1004242-001	Unknown	1.000	1	1	12	150
25	K1004242-002	Unknown	1.000	1	2	1	150
26	K1004242-003	Unknown	1.000	1	2	2	150
27	K1004242-004	Unknown	1.000	1	2	3	150
28	K1004242-005	Unknown	1.000	1	2	4	150
29	K1004455-001	Unknown	1.000	1	2	5	150
30	CCV3	Unknown	1.000	0	1	2	150
31	CCB3	Unknown	1.000	0	1	1	150
32	K1004455-002	Unknown	1.000	1	2	6	150
33	K1004455-001 DISS	Unknown	1.000	1	2	7	150
34	K1004455-002 DISS	Unknown	1.000	1	2	8	150
35	K1004598-MB	Unknown	1.000	1	2	9	150
36	LCSW	Unknown	1.000	1	2	10	150
37	K1004598-002	Unknown	1.000	1	2	11	150
38	K1004598-002D	Unknown	1.000	1	2	12	150
39	K1004598-002S	Unknown	1.000	1	3	1	150
40	K1004598-003	Unknown	1.000	1	3	2	150
41	K1004598-004	Unknown	1.000	1	3	3	150
42	CCV4	Unknown	1.000	0	1	2	150
43	CCB4	Unknown	1.000	0	1	1	150
44	K1004560-001	Unknown	1.000	1	3	4	150
45	K1004603-001	Unknown	1.000	1	3	5	150
46	K1004607-001	Unknown	1.000	1	3	6	150
47	K1004607-001D	Unknown	1.000	1	3	7	150
48	K1004607-001S	Unknown	1.000	1	3	8	150
49	K1004611-002	Unknown	1.000	1	3	9	150
50	K1004611-003	Unknown	1.000	1	3	10	150
51	K1004611-004	Unknown	1.000	1	3	11	150
52	K1004611-006	Unknown	1.000	1	3	12	150
53	K1004611-008	Unknown	1.000	1	4	1	150
54	CCV5	Unknown	1.000	0	1	2	150
55	CCB5	Unknown	1.000	0	1	1	150
56	K1004738-MB	Unknown	1.000	1	4	2	150
57	LCSW	Unknown	1.000	1	4	3	150
58	K1004738-001	Unknown	1.000	1	4	4	150
59	K1004738-002	Unknown	1.000	1	4	5	150
60	K1004738-003	Unknown	1.000	1	4	6	150
61	K1004738-011	Unknown	1.000	1	4	7	150
62	K1004738-012	Unknown	1.000	1	4	8	150
63	K1004738-013	Unknown	1.000	1	4	9	150
64	K1004738-013D	Unknown	1.000	1	4	10	150
65	K1004738-013S	Unknown	1.000	1	4	11	150
66	CCV6	Unknown	1.000	0	1	2	150
67	CCB6	Unknown	1.000	0	1	1	150

68	K1004738-014	Unknown	1.000	1	4	12	150
69	K1004510-MB	Unknown	1.000	1	5	1	150
70	LCSW	Unknown	1.000	1	5	2	150
71	K1004510-001	Unknown	1.000	1	5	3	150
72	K1004510-001D	Unknown	1.000	1	5	4	150
73	K1004510-001S	Unknown	1.000	1	5	5	150
74	K1004510-002	Unknown	1.000	1	5	6	150
75	K1004510-003	Unknown	1.000	1	5	7	150
76	K1004510-005	Unknown	1.000	1	5	8	150
77	K1004510-001 DISS	Unknown	1.000	1	5	9	150
78	CCV7	Unknown	1.000	0	1	2	150
79	CCB7	Unknown	1.000	0	1	1	150
80	K1004510-002 DISS	Unknown	1.000	1	5	10	150
81	K1004510-003 DISS	Unknown	1.000	1	5	11	150
82	K1004575-001	Unknown	1.000	1	5	12	150
83	K1004575-001D	Unknown	1.000	2	1	1	150
84	K1004575-001S	Unknown	1.000	2	1	2	150
85	K1004575-002	Unknown	1.000	2	1	3	150
86	K1004575-003	Unknown	1.000	2	1	4	150
87	K1004575-004	Unknown	1.000	2	1	5	150
88	K1004635-001	Unknown	1.000	2	1	6	150
89	K1004635-002	Unknown	1.000	2	1	7	150
90	CCV8	Unknown	1.000	0	1	2	150
91	CCB8	Unknown	1.000	0	1	1	150
92	ICAS	Unknown	1.000	0	1	5	150
93	ICSAB	Unknown	1.000	0	1	6	150
94	CCV9	Unknown	1.000	0	1	2	150
95	CCB9	Unknown	1.000	0	1	1	150
96	K1004635-003	Unknown	1.000	2	1	8	150
97	K1004170-MB	Unknown	1.000	2	1	9	150
98	LCSW	Unknown	1.000	2	1	10	150
99	K1004170-001	Unknown	1.000	2	1	11	150
100	K1004170-001 1/5L	Unknown	1.000	2	1	12	150
101	K1004170-001A	Unknown	1.000	2	2	1	150
102	K1004544-018	Unknown	1.000	2	2	2	150
103	K1004544-018D	Unknown	1.000	2	2	3	150
104	K1004544-018S	Unknown	1.000	2	2	4	150
105	K1004116-MB	Unknown	1.000	2	2	5	150
106	CCV10	Unknown	1.000	0	1	4	150
107	CCB10	Unknown	1.000	0	1	3	150
108	LCSW	Unknown	1.000	2	2	6	150
109	K1004116-001	Unknown	1.000	2	2	7	150
110	K1004116-001D	Unknown	1.000	2	2	8	150
111	K1004116-001 1/5L	Unknown	1.000	2	2	9	150
112	K1004116-001A	Unknown	1.000	2	2	10	150
113	K1004116-001S	Unknown	1.000	2	2	11	150
114	K1004116-002	Unknown	1.000	2	2	12	150
115	K1004116-003	Unknown	1.000	2	3	1	150
116	K1004116-004	Unknown	1.000	2	3	2	150
117	K1004216-001	Unknown	1.000	2	3	3	150
118	CCV11	Unknown	1.000	0	1	4	150
119	CCB11	Unknown	1.000	0	1	3	150
120	K1004216-002	Unknown	1.000	2	3	4	150
121	K1004216-003	Unknown	1.000	2	3	5	150
122	K1004216-004	Unknown	1.000	2	3	6	150
123	K1004216-005	Unknown	1.000	2	3	7	150
124	K1004216-006	Unknown	1.000	2	3	8	150
125	K1004252-001	Unknown	1.000	2	3	9	150
126	K1004252-002	Unknown	1.000	2	3	10	150
127	K1004252-003	Unknown	1.000	2	3	11	150
128	K1004252-004	Unknown	1.000	2	3	12	150
129	K1004252-005	Unknown	1.000	2	4	1	150
130	CCV12	Unknown	1.000	0	1	4	150
131	CCB12	Unknown	1.000	0	1	3	150
132	K1004252-006	Unknown	1.000	2	4	2	150
133	K1004252-007	Unknown	1.000	2	4	3	150
134	K1004252-008	Unknown	1.000	2	4	4	150
135	K1004475-003	Unknown	1.000	2	4	5	150
136	50ppb Mo STD	Unknown	1.000	0	1	7	150
137	CCV13	Unknown	1.000	0	1	4	150

138 CCB13 Unknown 1.000 0 1 3 150

## Dilution Corrected Concentrations

Cal. Blk 05/14/2010 11:19:38 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:38	99.5%	0.0060	-0.0138	-0.0655	-0.0072	0.0844	0.0007	0.0026
2	11:20:35	100.4%	-0.0053	0.0087	0.0186	0.0114	0.0448	-0.0011	-0.0038
3	11:21:34	100.1%	-0.0007	0.0051	0.0469	-0.0042	-0.1292	0.0004	0.0012
X		100.0%	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
σ		0.5%	0.0057	0.0121	0.0585	0.0100	0.1136	0.0010	0.0034
%RSD		0.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:38	0.0107	-0.5260	0.0212	-0.0009	0.0027	0.0033	0.0088	0.0236
2	11:20:35	-0.0105	0.2404	0.0227	0.0067	0.0090	0.0028	0.0226	-0.0093
3	11:21:34	-0.0001	0.2856	-0.0439	-0.0058	-0.0118	-0.0060	-0.0314	-0.0143
X		0.0000	-0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
σ		0.0106	0.4561	0.0380	0.0063	0.0107	0.0052	0.0280	0.0206
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:38	99.5%	0.0126	-0.0454	0.1283	-0.0714	-0.0006	0.0010	0.0000
2	11:20:35	99.8%	0.0318	0.0014	-0.1441	0.2437	0.0012	0.0010	0.0000
3	11:21:34	100.7%	-0.0444	0.0440	0.0158	-0.1723	-0.0006	-0.0020	0.0000
X		100.0%	0.0000	-0.0000	-0.0000	0.0000	-0.0000	-0.0000	0.0000
σ		0.6%	0.0396	0.0447	0.1369	0.2170	0.0011	0.0017	0.0000
%RSD		0.6	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:38	99.3%	-0.0013	0.0004	0.0029	-0.0007	0.0009	99.8%	0.0002
2	11:20:35	100.2%	-0.0002	-0.0002	-0.0015	-0.0007	-0.0009	100.0%	0.0002
3	11:21:34	100.5%	0.0015	-0.0002	-0.0015	0.0014	-0.0000	100.2%	-0.0004
X		100.0%	0.0000	-0.0000	-0.0000	-0.0000	-0.0000	100.0%	0.0000
σ		0.6%	0.0014	0.0003	0.0025	0.0012	0.0009	0.2%	0.0004
%RSD		0.6	0.0000	0.0000	0.0000	0.0000	0.0000	0.2	0.0000
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:38	-0.0003	0.0035	-0.0069	-0.0074	99.3%	-0.0058	0.0027	-0.0003
2	11:20:35	0.0005	-0.0169	-0.0051	0.0048	100.7%	0.0022	-0.0004	0.0014
3	11:21:34	-0.0003	0.0134	0.0120	0.0026	100.0%	0.0037	-0.0022	-0.0011
X		0.0000	-0.0000	-0.0000	-0.0000	100.0%	0.0000	0.0000	-0.0000
σ		0.0005	0.0154	0.0105	0.0065	0.7%	0.0051	0.0025	0.0012
%RSD		0.0000	0.0000	0.0000	0.0000	0.7	0.0000	0.0000	0.0000
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	11:19:38	-0.0017	-0.0005	98.4%	0.0013				
2	11:20:35	0.0000	0.0001	100.6%	-0.0011				
3	11:21:34	0.0016	0.0003	101.1%	-0.0001				
X		0.0000	0.0000	100.0%	-0.0000				
σ		0.0016	0.0004	1.5%	0.0012				
%RSD		0.0000	0.0000	1.5	0.0000				

Cal. Stn 05/14/2010 11:24:04 AM

User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	11:24:04	98.3%	26.1117	26.0508	26.3190	26.4017	26.0673	25.9439	26.5717
2	11:25:03	100.2%	24.5084	24.7494	24.4881	24.5040	24.7636	24.5783	24.4835
3	11:26:00	99.4%	24.3799	24.1998	24.1929	24.0943	24.1691	24.4778	23.9448
x		99.3%	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000
σ		0.9%	0.9649	0.9506	1.1518	1.2311	0.9709	0.8190	1.3875
%RSD		0.9	3.8595	3.8023	4.6070	4.9243	3.8838	3.2759	5.5500
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	11:24:04	26.2584	26.5401	26.0979	26.3756	26.2244	25.9492	26.4395	25.6455
2	11:25:03	24.8144	25.4385	24.5455	24.6044	24.6203	24.9442	24.2798	24.7695
3	11:26:00	23.9272	23.0214	24.3566	24.0200	24.1553	24.1066	24.2807	24.5850
x		25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000
σ		1.1766	1.7999	0.9555	1.2267	1.0856	0.9226	1.2466	0.5666
%RSD		4.7064	7.1995	3.8221	4.9066	4.3423	3.6904	4.9865	2.2664
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	11:24:04	98.5%	25.8652	25.7820	26.2978	26.5603	25.5751	25.9234	25.8721
2	11:25:03	101.8%	25.5504	24.5457	23.8027	25.7427	24.8148	24.8222	24.2144
3	11:26:00	102.7%	23.5844	24.6723	24.8994	22.6970	24.6101	24.2544	24.9135
x		101.0%	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000
σ		2.2%	1.2360	0.6802	1.2506	2.0359	0.5085	0.8486	0.8322
%RSD		2.2	4.9441	2.7208	5.0023	8.1437	2.0339	3.3945	3.3288
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	11:24:04	97.9%	26.1770	25.8959	25.9917	25.8105	26.0316	97.8%	25.8849
2	11:25:03	101.4%	24.4266	24.4505	24.6599	24.7058	24.6572	103.2%	24.4687
3	11:26:00	100.2%	24.3964	24.6536	24.3484	24.4837	24.3112	102.9%	24.6464
x		99.8%	25.0000	25.0000	25.0000	25.0000	25.0000	101.3%	25.0000
σ		1.8%	1.0194	0.7825	0.8729	0.7106	0.9099	3.1%	0.7715
%RSD		1.8	4.0777	3.1299	3.4914	2.8425	3.6398	3.0	3.0860
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	11:24:04	25.9323	26.0028	25.7289	25.9540	97.9%	25.4500	25.6600	25.6580
2	11:25:03	24.4178	24.4675	24.6082	24.3422	103.6%	24.7916	24.5483	24.5143
3	11:26:00	24.6499	24.5297	24.6630	24.7038	102.9%	24.7584	24.7917	24.8277
x		25.0000	25.0000	25.0000	25.0000	101.5%	25.0000	25.0000	25.0000
σ		0.8156	0.8690	0.6318	0.8458	3.1%	0.3900	0.5844	0.5910
%RSD		3.2626	3.4761	2.5273	3.3830	3.0	1.5602	2.3375	2.3641
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	11:24:04	25.8044	25.6429	99.1%	25.6321				
2	11:25:03	24.2900	24.4953	102.3%	24.6272				
3	11:26:00	24.9056	24.8618	102.7%	24.7406				
x		25.0000	25.0000	101.4%	25.0000				
σ		0.7616	0.5862	2.0%	0.5504				
%RSD		3.0464	2.3447	1.9	2.2015				

ICV1 05/14/2010 11:28:06 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:28:06	98.1%	2.5660	97.3507	24.6008	9.7004	11.3175	24.6767	24.5365
2	11:29:05	98.1%	2.4035	95.9301	24.0950	9.5462	11.1352	24.5356	24.0598
3	11:30:03	98.1%	2.4922	95.9660	23.9235	9.4476	11.3356	24.9252	24.2673
X		98.1%	2.4872	96.4156	24.2065	9.5647	11.2627	24.7125	24.2879
σ		0.0%	0.0813	0.8100	0.3521	0.1274	0.1108	0.1972	0.2390
%RSD		0.0	3.2701	0.8402	1.4547	1.3322	0.9841	0.7981	0.9840
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:28:06	24.5750	26.6271	24.1075	12.0618	12.3885	25.5132	28.5375	27.0463
2	11:29:05	24.0068	24.9133	23.9941	12.3125	12.1789	25.2674	27.7964	26.2098
3	11:30:03	24.7250	25.9270	24.2751	12.3373	12.4720	25.1570	26.5561	26.7961
X		24.4356	25.8225	24.1255	12.2372	12.3465	25.3126	27.6300	26.6841
σ		0.3789	0.8616	0.1414	0.1524	0.1510	0.1823	1.0011	0.4293
%RSD		1.5504	3.3368	0.5861	1.2457	1.2230	0.7202	3.6233	1.6090
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:28:06	98.6%	23.5158	24.8220	24.9336	22.2000	24.7566	24.4997	24.4579
2	11:29:05	99.1%	23.1193	25.7106	24.8125	23.8680	24.1702	23.9696	23.7190
3	11:30:03	99.1%	23.0613	27.0253	23.5197	23.9710	24.0783	24.3521	23.7828
X		98.9%	23.2321	25.8526	24.4219	23.3463	24.3350	24.2738	23.9866
σ		0.2%	0.2473	1.1085	0.7837	0.9941	0.3680	0.2736	0.4094
%RSD		0.2	1.0647	4.2877	3.2091	4.2579	1.5121	1.1271	1.7069
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:28:06	99.0%	12.2353	12.4523	12.4699	12.6524	12.6947	99.2%	23.8589
2	11:29:05	99.7%	12.2586	12.2599	12.4104	12.5936	12.4832	100.8%	23.7737
3	11:30:03	98.9%	12.3827	12.1742	12.0234	12.7405	12.3940	100.7%	24.1581
X		99.2%	12.2922	12.2955	12.3012	12.6622	12.5240	100.2%	23.9302
σ		0.5%	0.0792	0.1424	0.2424	0.0739	0.1544	0.9%	0.2019
%RSD		0.5	0.6446	1.1583	1.9708	0.5840	1.2329	0.9	0.8435
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:28:06	23.6028	99.2023	98.8114	100.0525	99.9%	24.4721	24.2865	23.0243
2	11:29:05	23.5452	99.0612	100.4186	100.5203	101.4%	24.4656	24.5581	23.1643
3	11:30:03	24.0206	99.2097	99.4087	100.8740	102.6%	24.1122	24.1806	22.9613
X		23.7229	99.1577	99.5462	100.4823	101.3%	24.3500	24.3418	23.0500
σ		0.2595	0.0837	0.8124	0.4121	1.3%	0.2059	0.1947	0.1039
%RSD		1.0938	0.0844	0.8161	0.4101	1.3	0.8457	0.8000	0.4509
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	11:28:06	25.5364	24.3779	99.7%	24.7374				
2	11:29:05	26.0922	24.6907	100.9%	24.9013				
3	11:30:03	25.4450	24.3633	102.8%	24.6711				
X		25.6912	24.4773	101.1%	24.7699				
σ		0.3503	0.1849	1.6%	0.1185				
%RSD		1.3635	0.7555	1.6	0.4784				

CCV1 05/14/2010 11:34:30 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:30	98.4%	26.1490	25.1621	25.6773	25.7541	26.2331	25.7567	25.9690
2	11:35:29	99.7%	24.2899	24.1882	24.1403	24.3109	24.5789	24.2879	24.7728
3	11:36:27	100.0%	23.8389	24.3223	24.4169	24.5581	24.2299	24.6960	24.8807
X		99.4%	24.7593	24.5576	24.7448	24.8744	25.0140	24.9136	25.2075
σ		0.8%	1.2245	0.5279	0.8193	0.7718	1.0701	0.7582	0.6617
%RSD		0.9	4.9456	2.1495	3.3111	3.1029	4.2782	3.0433	2.6250
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:30	26.2056	27.8862	27.0112	26.6551	26.3982	25.5749	25.6463	25.0278
2	11:35:29	24.4762	26.3563	24.5593	24.4433	24.4818	24.1826	25.1192	24.0477
3	11:36:27	24.3968	22.5671	24.5943	24.3407	25.1441	25.2323	25.6284	24.7780
X		25.0262	25.6032	25.3883	25.1464	25.3414	24.9966	25.4646	24.6178
σ		1.0222	2.7384	1.4056	1.3076	0.9733	0.7254	0.2993	0.5093
%RSD		4.0844	10.6954	5.5364	5.1999	3.8407	2.9021	1.1753	2.0688
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:30	96.9%	24.2614	26.9860	25.7039	24.1101	24.9863	25.0278	25.2336
2	11:35:29	100.9%	24.0970	25.4629	24.2833	24.4179	24.4554	24.2405	24.6989
3	11:36:27	98.8%	23.8811	25.2146	22.8109	25.4394	24.4493	23.8609	24.6657
X		98.9%	24.0798	25.8878	24.2660	24.6558	24.6303	24.3764	24.8661
σ		2.0%	0.1907	0.9591	1.4466	0.6958	0.3083	0.5952	0.3188
%RSD		2.0	0.7921	3.7048	5.9614	2.8221	1.2518	2.4416	1.2819
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:30	98.4%	25.6640	25.7925	25.5708	25.1848	25.3808	97.2%	25.2907
2	11:35:29	99.6%	24.4429	24.3193	24.5470	24.3305	24.4847	100.6%	24.7407
3	11:36:27	100.8%	24.3210	24.4545	24.3399	24.1454	24.1753	101.6%	24.4681
X		99.6%	24.8093	24.8554	24.8192	24.5536	24.6803	99.8%	24.8332
σ		1.2%	0.7427	0.8143	0.6591	0.5545	0.6261	2.3%	0.4190
%RSD		1.2	2.9935	3.2762	2.6556	2.2582	2.5369	2.3	1.6873
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:30	24.9608	25.1113	24.8896	25.2084	97.4%	25.3451	25.1663	25.2731
2	11:35:29	24.5076	24.3983	24.2793	24.5785	100.4%	24.6830	24.6165	24.5700
3	11:36:27	24.1476	24.6845	24.0916	24.3754	102.4%	24.5224	24.4504	24.6547
X		24.5387	24.7314	24.4202	24.7208	100.0%	24.8501	24.7444	24.8326
σ		0.4075	0.3588	0.4173	0.4344	2.5%	0.4361	0.3747	0.3838
%RSD		1.6605	1.4508	1.7087	1.7571	2.5	1.7548	1.5143	1.5455
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	11:34:30	25.3549	25.3639	96.3%	25.1463				
2	11:35:29	24.3786	24.5003	101.2%	24.4744				
3	11:36:27	24.4888	24.4158	102.8%	24.5653				
X		24.7408	24.7600	100.1%	24.7287				
σ		0.5347	0.5247	3.4%	0.3645				
%RSD		2.1612	2.1192	3.4	1.4740				



ICB1 05/14/2010 11:49:24 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:24	99.7%	-0.0026	-0.0140	-0.1827	0.0474	-0.0768	0.0015	0.0047
2	11:50:23	101.2%	-0.0019	-0.0055	-0.0205	0.0158	-0.6464	0.0058	0.0043
3	11:51:20	99.5%	-0.0026	-0.0235	-0.1571	0.0020	-0.6109	-0.0033	-0.0040
X		100.1%	-0.0024	-0.0143	-0.1201	0.0217	-0.4447	0.0013	0.0017
σ		0.9%	0.0004	0.0090	0.0872	0.0233	0.3191	0.0045	0.0049
%RSD		0.9	16.2359	62.9949	72.5780	107.0858	71.7625	337.3030	288.4259
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:24	0.0107	1.0432	0.0462	0.1346	0.0073	-0.0177	-0.0234	-0.0443
2	11:50:23	-0.0028	-2.1426	0.0043	0.0506	0.0148	-0.0425	0.0005	-0.0391
3	11:51:20	0.0025	-0.4442	0.0091	0.0244	0.0039	-0.0294	0.0818	-0.0213
X		0.0035	-0.5145	0.0199	0.0699	0.0086	-0.0298	0.0197	-0.0349
σ		0.0068	1.5941	0.0229	0.0575	0.0056	0.0124	0.0552	0.0121
%RSD		195.5146	309.8082	115.4390	82.3589	64.6677	41.5364	280.5679	34.6833
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:24	99.4%	0.1236	-0.3494	0.0101	0.1394	0.0215	0.0128	0.0125
2	11:50:23	100.7%	0.1651	-0.1084	0.1252	0.4491	0.0193	0.0385	0.0345
3	11:51:20	100.6%	0.0999	0.1489	-0.5282	0.4879	0.0180	0.0367	0.0310
X		100.2%	0.1295	-0.1029	-0.1309	0.3588	0.0196	0.0293	0.0260
σ		0.7%	0.0330	0.2492	0.3488	0.1910	0.0018	0.0144	0.0118
%RSD		0.7	25.4451	242.0449	266.3616	53.2423	9.1823	48.9466	45.4540
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:24	99.7%	0.0004	0.0022	-0.0015	-0.0007	0.0000	97.9%	0.0055
2	11:50:23	102.0%	0.0020	0.0015	-0.0015	-0.0007	-0.0009	101.1%	0.0060
3	11:51:20	98.4%	0.0038	0.0051	-0.0015	0.0004	-0.0009	100.8%	0.0041
X		100.1%	0.0021	0.0029	-0.0015	-0.0004	-0.0006	99.9%	0.0052
σ		1.8%	0.0017	0.0019	0.0000	0.0006	0.0005	1.8%	0.0010
%RSD		1.8	82.3482	64.7242	0.0000	173.6495	89.1171	1.8	19.2523
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:24	-0.0002	-0.0028	0.0031	0.0079	98.4%	0.0127	0.0069	0.0066
2	11:50:23	0.0029	0.0129	-0.0034	0.0004	101.2%	0.0035	-0.0029	0.0074
3	11:51:20	0.0005	-0.0170	0.0060	0.0083	101.8%	0.0053	0.0037	0.0077
X		0.0011	-0.0023	0.0019	0.0055	100.5%	0.0072	0.0026	0.0072
σ		0.0016	0.0150	0.0048	0.0044	1.8%	0.0049	0.0050	0.0006
%RSD		154.3819	653.3125	254.0889	79.7711	1.8	67.9401	193.6429	8.0486
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	11:49:24	0.0117	0.0063	97.4%	-0.0001				
2	11:50:23	0.0127	0.0073	100.7%	-0.0008				
3	11:51:20	0.0052	0.0035	100.6%	0.0010				
X		0.0098	0.0057	99.5%	0.0001				
σ		0.0041	0.0020	1.9%	0.0009				
%RSD		41.1600	34.3387	1.9	1522.9904				

CCB1 05/14/2010 11:53:52 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:53:52	98.8%	-0.0009	-0.0379	-0.0958	0.0210	-0.2055	-0.0061	-0.0016
2	11:54:50	99.6%	-0.0006	-0.0138	-0.1709	0.0429	-0.3173	-0.0006	-0.0009
3	11:55:49	98.6%	-0.0070	-0.0014	-0.0672	0.0155	-0.7448	-0.0039	-0.0036
X		99.0%	-0.0028	-0.0177	-0.1113	0.0265	-0.4225	-0.0036	-0.0020
σ		0.6%	0.0036	0.0186	0.0535	0.0145	0.2847	0.0028	0.0014
%RSD		0.6	128.0564	104.7912	48.0793	54.7067	67.3720	78.6501	68.0172
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:53:52	0.0060	0.1111	0.0771	0.1426	0.0214	-0.0204	0.0931	0.0143
2	11:54:50	0.0003	0.1379	-0.0203	0.0768	-0.0031	-0.0140	0.0980	0.0004
3	11:55:49	0.0024	-1.1900	-0.0395	0.0289	-0.0234	-0.0146	-0.2918	0.0054
X		0.0029	-0.3137	0.0058	0.0828	-0.0017	-0.0163	-0.0336	0.0067
σ		0.0029	0.7591	0.0625	0.0570	0.0224	0.0035	0.2236	0.0070
%RSD		100.4979	241.9840	1080.4525	68.9191	1333.3925	21.3712	665.9638	104.6727
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:53:52	97.0%	0.0978	-0.3357	0.0101	-0.1108	0.0162	0.0070	0.0103
2	11:54:50	98.5%	0.2694	-0.2406	0.0764	0.5989	0.0087	0.0249	0.0173
3	11:55:49	101.6%	0.2642	-0.1097	0.0376	0.7271	0.0197	0.0128	0.0194
X		99.0%	0.2105	-0.2287	0.0413	0.4051	0.0149	0.0149	0.0157
σ		2.4%	0.0976	0.1134	0.0333	0.4513	0.0056	0.0091	0.0047
%RSD		2.4	46.3916	49.6061	80.5872	111.4110	37.6560	61.3243	30.1364
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:53:52	98.8%	0.0033	0.0034	0.0007	0.0004	-0.0009	98.6%	0.0029
2	11:54:50	98.4%	0.0027	0.0016	0.0007	0.0025	0.0027	99.0%	0.0035
3	11:55:49	99.0%	0.0055	0.0027	0.0007	0.0004	-0.0009	100.0%	0.0022
X		98.7%	0.0038	0.0026	0.0007	0.0011	0.0003	99.2%	0.0028
σ		0.3%	0.0015	0.0009	0.0000	0.0012	0.0021	0.7%	0.0007
%RSD		0.3	38.9363	35.2519	1.6130	114.8232	673.1867	0.7	23.5884
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:53:52	-0.0002	-0.0028	0.0011	0.0060	97.4%	0.0028	-0.0006	0.0042
2	11:54:50	0.0022	-0.0031	-0.0011	0.0059	99.4%	0.0030	-0.0007	0.0088
3	11:55:49	0.0013	-0.0169	-0.0071	0.0011	101.4%	-0.0003	-0.0035	0.0011
X		0.0011	-0.0076	-0.0023	0.0044	99.4%	0.0019	-0.0016	0.0047
σ		0.0012	0.0081	0.0042	0.0028	2.0%	0.0019	0.0017	0.0038
%RSD		112.7192	105.8429	181.2668	64.2600	2.0	101.0005	104.9364	81.8507
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	11:53:52	0.0058	0.0061	97.0%	-0.0005				
2	11:54:50	0.0021	0.0059	98.4%	-0.0002				
3	11:55:49	0.0029	0.0023	102.1%	-0.0017				
X		0.0036	0.0048	99.2%	-0.0008				
σ		0.0020	0.0021	2.6%	0.0008				
%RSD		54.5079	44.2683	2.6	98.9804				

CRA 05/14/2010 11:58:22 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:58:22	99.5%	0.0211	2.1677	-0.0363	0.2153	0.0287	0.0794	0.0190
2	11:59:21	100.6%	0.0192	2.1082	0.1484	0.2205	-0.5443	0.0917	0.0171
3	12:00:20	98.6%	0.0195	2.1750	0.0644	0.1978	-0.4470	0.0872	0.0197
X		99.6%	0.0199	2.1503	0.0588	0.2112	-0.3208	0.0861	0.0186
σ		1.0%	0.0011	0.0367	0.0925	0.0119	0.3066	0.0062	0.0013
%RSD		1.0	5.3405	1.7052	157.1405	5.6440	95.5691	7.2039	7.1991
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:58:22	0.3137	0.4366	0.4074	0.3897	0.1931	0.6848	0.6296	0.6946
2	11:59:21	0.3755	-0.8948	0.3912	0.2921	0.1914	0.7677	0.9671	0.7693
3	12:00:20	0.3031	-1.7976	0.2932	0.2481	0.2376	0.6742	0.5837	0.7574
X		0.3308	-0.7519	0.3639	0.3100	0.2074	0.7089	0.7268	0.7404
σ		0.0391	1.1239	0.0618	0.0725	0.0262	0.0512	0.2094	0.0401
%RSD		11.8273	149.4698	16.9814	23.3751	12.6484	7.2189	28.8076	5.4142
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:58:22	98.0%	0.3611	0.7403	1.1611	-0.0035	0.0352	0.0552	0.0336
2	11:59:21	98.5%	0.4188	1.3928	1.0200	1.1264	0.0552	0.0397	0.0675
3	12:00:20	99.1%	0.6630	0.4648	1.0609	1.2260	0.0752	0.0661	0.0626
X		98.6%	0.4810	0.8660	1.0807	0.7830	0.0552	0.0537	0.0546
σ		0.6%	0.1603	0.4766	0.0726	0.6829	0.0200	0.0133	0.0183
%RSD		0.6	33.3199	55.0342	6.7177	87.2171	36.3172	24.7293	33.5764
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:58:22	97.6%	0.0266	0.0262	0.0186	0.0244	0.0173	97.5%	0.0521
2	11:59:21	99.0%	0.0187	0.0209	0.0182	0.0292	0.0204	100.0%	0.0547
3	12:00:20	99.5%	0.0215	0.0273	0.0051	0.0248	0.0220	100.5%	0.0460
X		98.7%	0.0223	0.0248	0.0139	0.0261	0.0199	99.3%	0.0510
σ		1.0%	0.0040	0.0034	0.0077	0.0027	0.0024	1.6%	0.0045
%RSD		1.0	18.0970	13.6064	55.2358	10.1717	12.1298	1.6	8.7567
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:58:22	0.0597	0.0353	0.0364	0.0666	97.7%	0.0257	0.0238	0.0288
2	11:59:21	0.0492	0.0403	0.0691	0.0553	100.4%	0.0209	0.0178	0.0294
3	12:00:20	0.0627	0.0365	0.0421	0.0677	101.0%	0.0270	0.0239	0.0261
X		0.0572	0.0374	0.0492	0.0632	99.7%	0.0245	0.0218	0.0281
σ		0.0071	0.0026	0.0175	0.0069	1.7%	0.0032	0.0035	0.0017
%RSD		12.3526	6.8964	35.4816	10.8943	1.8	13.2000	15.8954	6.2228
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	11:58:22	0.0226	0.0285	95.8%	0.0196				
2	11:59:21	0.0272	0.0285	100.4%	0.0189				
3	12:00:20	0.0346	0.0274	100.1%	0.0191				
X		0.0281	0.0281	98.8%	0.0192				
σ		0.0061	0.0006	2.6%	0.0004				
%RSD		21.5422	2.2692	2.6	2.0402				

*See Run 7B 5/18/10*

ICSA 05/14/2010 12:07:32 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:07:32	82.8%	0.0011	20365.7500	-0.2780	0.3357	15.0707	1.2561	0.8525
2	12:08:30	81.7%	0.0038	20543.2990	-0.0935	0.3236	15.0438	1.2619	0.8552
3	12:09:29	82.7%	0.0077	19465.3800	0.1865	0.2650	13.6816	1.2490	0.8231
X		82.4%	0.0042	20124.8100	-0.0617	0.3081	14.5987	1.2556	0.8436
σ		0.6%	0.0034	577.9414	0.2339	0.0378	0.7944	0.0065	0.0178
%RSD		0.7	79.8368	2.8718	379.3391	12.2686	5.4414	0.5145	2.1135
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:07:32	1.5811	48.8564	3.5097	0.5026	0.7822	1.5454	1.7176	1.0549
2	12:08:30	1.5442	44.6595	3.3583	0.4603	0.7487	1.4969	2.0668	1.1975
3	12:09:29	1.6434	43.2979	3.2405	0.4093	0.7177	1.5682	2.0143	1.1737
X		1.5896	45.6046	3.3695	0.4574	0.7495	1.5368	1.9329	1.1420
σ		0.0501	2.8972	0.1349	0.0467	0.0323	0.0364	0.1883	0.0764
%RSD		3.1541	6.3530	4.0050	10.2144	4.3053	2.3702	9.7397	6.6871
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:07:32	85.6%	-0.0772	7.4396	0.4573	-0.7229	51.2973	51.2490	50.6698
2	12:08:30	84.8%	-0.0072	7.0324	0.0807	-1.2017	51.9566	52.8303	52.8327
3	12:09:29	85.2%	-0.1032	6.2910	0.1932	-1.6748	49.9742	50.2796	50.7574
X		85.2%	-0.0625	6.9210	0.2437	-1.1998	51.0761	51.4530	51.4200
σ		0.4%	0.0497	0.5824	0.1933	0.4760	1.0096	1.2875	1.2243
%RSD		0.5	79.4525	8.4143	79.3239	39.6697	1.9766	2.5023	2.3809
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:07:32	83.6%	0.0445	0.0605	0.0955	0.0567	0.0776	86.0%	0.0416
2	12:08:30	80.2%	0.0424	0.0597	0.0970	0.0638	0.0717	85.8%	0.0364
3	12:09:29	83.2%	0.0526	0.0466	0.0773	0.0515	0.0576	86.6%	0.0420
X		82.3%	0.0465	0.0556	0.0899	0.0573	0.0690	86.1%	0.0400
σ		1.9%	0.0054	0.0078	0.0109	0.0062	0.0103	0.4%	0.0031
%RSD		2.3	11.6197	14.0199	12.1607	10.7274	14.9242	0.5	7.7937
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:07:32	0.0385	0.1358	0.1283	0.1174	90.3%	0.0495	0.0565	0.1266
2	12:08:30	0.0451	0.0664	0.1261	0.1202	90.8%	0.0539	0.0549	0.1257
3	12:09:29	0.0381	0.1108	0.1348	0.1187	92.7%	0.0463	0.0517	0.1244
X		0.0405	0.1043	0.1297	0.1188	91.3%	0.0499	0.0544	0.1256
σ		0.0039	0.0351	0.0045	0.0014	1.2%	0.0038	0.0025	0.0011
%RSD		9.7157	33.6673	3.4966	1.2133	1.4	7.6759	4.5319	0.8908
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	12:07:32	0.1460	0.1334	90.8%	0.0062				
2	12:08:30	0.1292	0.1295	91.4%	0.0051				
3	12:09:29	0.1207	0.1248	93.5%	0.0054				
X		0.1320	0.1292	91.9%	0.0056				
σ		0.0129	0.0043	1.4%	0.0006				
%RSD		9.7388	3.3344	1.5	10.3096				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:13:49	82.2%	0.0079	20620.7380	49.9723	50.3472	60.8771	50.4006	49.1966
2	12:14:48	82.2%	-0.0049	20214.0690	47.6616	48.8581	60.0860	49.9558	48.1772
3	12:15:47	82.4%	-0.0007	19800.6340	48.6616	48.6987	58.2213	50.2389	47.6663
x		82.3%	0.0008	20211.8140	48.7652	49.3013	59.7282	50.1984	48.3467
σ		0.1%	0.0065	410.0563	1.1589	0.9092	1.3636	0.2251	0.7791
%RSD		0.2	816.4800	2.0288	2.3764	1.8443	2.2830	0.4485	1.6114
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:13:49	49.6768	105.8134	52.1477	48.3247	48.9518	25.4962	25.9998	24.0495
2	12:14:48	48.8455	98.2467	51.1969	46.2435	47.2422	24.9833	26.0147	24.2192
3	12:15:47	47.6476	94.8772	50.3883	45.7798	46.5126	25.5646	24.6843	23.6627
x		48.7233	99.6458	51.2443	46.7827	47.5688	25.3480	25.5663	23.9771
σ		1.0201	5.6007	0.8807	1.3554	1.2520	0.3178	0.7638	0.2852
%RSD		2.0936	5.6206	1.7186	2.8973	2.6320	1.2536	2.9877	1.1896
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:13:49	85.0%	23.8246	31.6348	24.8173	22.5965	51.2113	50.8030	51.0695
2	12:14:48	84.4%	23.1761	32.4171	24.3216	21.0600	51.1247	51.4197	51.4359
3	12:15:47	84.6%	23.0106	30.8243	23.6775	19.7571	52.4284	51.8135	52.2980
x		84.7%	23.3371	31.6254	24.2721	21.1379	51.5881	51.3454	51.6011
σ		0.3%	0.4303	0.7964	0.5715	1.4213	0.7290	0.5093	0.6307
%RSD		0.4	1.8436	2.5183	2.3545	6.7240	1.4130	0.9919	1.2223
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:13:49	83.4%	12.0392	11.9665	24.5398	23.1946	23.4511	84.5%	0.0585
2	12:14:48	82.8%	11.9608	12.0720	24.2658	22.8196	23.3190	85.3%	0.0449
3	12:15:47	81.6%	12.0548	11.9505	24.6249	23.0232	23.3970	86.6%	0.0480
x		82.6%	12.0183	11.9963	24.4768	23.0125	23.3891	85.5%	0.0505
σ		0.9%	0.0504	0.0660	0.1877	0.1877	0.0664	1.1%	0.0071
%RSD		1.1	0.4194	0.5503	0.7666	0.8158	0.2839	1.3	14.1152
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:13:49	0.0526	0.0963	0.1140	0.1192	87.5%	0.0433	0.0559	0.1264
2	12:14:48	0.0519	0.0900	0.1157	0.1148	90.8%	0.0490	0.0443	0.1126
3	12:15:47	0.0447	0.0963	0.1315	0.1113	91.1%	0.0388	0.0365	0.1198
x		0.0497	0.0942	0.1204	0.1151	89.8%	0.0437	0.0456	0.1196
σ		0.0044	0.0036	0.0096	0.0040	2.0%	0.0051	0.0098	0.0069
%RSD		8.8754	3.8336	7.9977	3.4333	2.2	11.6813	21.4886	5.7903
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	12:13:49	0.1318	0.1331	88.8%	0.0030				
2	12:14:48	0.1377	0.1287	91.7%	0.0094				
3	12:15:47	0.1322	0.1232	92.9%	0.0079				
x		0.1339	0.1283	91.1%	0.0068				
σ		0.0033	0.0050	2.1%	0.0034				
%RSD		2.4611	3.8616	2.3	49.7906				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:53:12	104.3%	0.0220	1.9958	0.1383	0.2887	-1.2104	0.0542	0.0205
2	12:54:11	105.6%	0.0210	1.8769	0.0627	0.2512	-1.2176	0.0495	0.0158
3	12:55:09	105.7%	0.0133	1.9718	0.1362	0.2453	-1.7088	0.0702	0.0206
X		105.2%	0.0188	1.9482	0.1124	0.2617	-1.3790	0.0580	0.0189
$\sigma$		0.8%	0.0048	0.0629	0.0431	0.0235	0.2857	0.0109	0.0027
%RSD		0.8	25.3712	3.2272	38.3303	8.9885	20.7187	18.8004	14.3065
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:53:12	0.1983	1.5692	0.4376	0.3112	0.0617	0.4918	0.1320	0.3912
2	12:54:11	0.1804	-2.4797	0.3230	0.2245	0.0946	0.4485	0.1273	0.4458
3	12:55:09	0.2195	2.1584	0.2953	0.1760	0.0649	0.4815	-0.1063	0.4868
X		0.1994	0.4160	0.3520	0.2372	0.0737	0.4739	0.0510	0.4413
$\sigma$		0.0196	2.5249	0.0754	0.0685	0.0181	0.0226	0.1363	0.0480
%RSD		9.8200	607.0252	21.4236	28.8783	24.5749	4.7733	267.1935	10.8768
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:53:12	100.1%	0.7442	0.6553	1.1839	1.2889	0.0437	0.0660	0.0637
2	12:54:11	102.7%	0.6247	0.2756	0.8598	0.9601	0.0488	0.0831	0.0565
3	12:55:09	102.3%	0.4273	1.5561	0.6699	1.0583	0.0678	0.0614	0.0754
X		101.7%	0.5987	0.8290	0.9046	1.1024	0.0534	0.0701	0.0652
$\sigma$		1.4%	0.1600	0.6577	0.2599	0.1688	0.0127	0.0114	0.0095
%RSD		1.4	26.7245	79.3339	28.7314	15.3117	23.7960	16.2743	14.6507
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:53:12	99.5%	0.0177	0.0199	0.0162	0.0210	0.0208	97.8%	0.0501
2	12:54:11	99.8%	0.0219	0.0230	0.0243	0.0246	0.0174	101.7%	0.0564
3	12:55:09	102.1%	0.0193	0.0204	0.0263	0.0234	0.0156	101.8%	0.0391
X		100.5%	0.0196	0.0211	0.0223	0.0230	0.0180	100.4%	0.0485
$\sigma$		1.4%	0.0021	0.0016	0.0053	0.0018	0.0026	2.3%	0.0088
%RSD		1.4	10.8900	7.7495	23.9318	7.8707	14.6521	2.3	18.0328
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:53:12	0.0389	0.0357	0.0761	0.0499	95.6%	0.0217	0.0180	0.0182
2	12:54:11	0.0612	0.0460	0.0304	0.0535	100.8%	0.0180	0.0179	0.0246
3	12:55:09	0.0571	0.0093	0.0601	0.0587	101.9%	0.0228	0.0118	0.0216
X		0.0524	0.0303	0.0555	0.0540	99.5%	0.0208	0.0159	0.0215
$\sigma$		0.0119	0.0189	0.0232	0.0045	3.4%	0.0025	0.0035	0.0032
%RSD		22.6431	62.3699	41.8065	8.2521	3.4	12.0944	22.2898	14.9765
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	12:53:12	0.0156	0.0225	94.1%	0.0208				
2	12:54:11	0.0241	0.0250	99.8%	0.0180				
3	12:55:09	0.0302	0.0279	101.5%	0.0167				
X		0.0233	0.0251	98.5%	0.0185				
$\sigma$		0.0073	0.0027	3.9%	0.0021				
%RSD		31.4528	10.7448	3.9	11.3474				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:16	100.5%	-0.0068	-0.0624	-0.1826	0.0802	-1.1688	0.0077	0.0015
2	12:58:15	103.5%	0.0005	-0.0402	-0.2052	0.0074	-1.3316	0.0120	-0.0012
3	12:59:14	104.8%	-0.0032	-0.0367	-0.1506	0.0171	-1.7531	0.0068	-0.0002
X		102.9%	-0.0031	-0.0464	-0.1795	0.0349	-1.4178	0.0088	0.0000
σ		2.2%	0.0036	0.0140	0.0274	0.0395	0.3015	0.0028	0.0013
%RSD		2.1	116.6009	30.0504	15.2679	113.3123	21.2685	31.5206	2764.1298
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:16	0.0059	-0.3834	0.1216	0.0947	-0.0042	-0.0287	-0.2585	-0.0521
2	12:58:15	0.0001	0.1500	-0.0143	0.0457	-0.0331	-0.0386	-0.2177	-0.0726
3	12:59:14	0.0073	-1.3376	0.0087	0.0292	-0.0084	-0.0434	-0.2292	-0.0895
X		0.0044	-0.5237	0.0387	0.0565	-0.0152	-0.0369	-0.2351	-0.0714
σ		0.0038	0.7537	0.0728	0.0341	0.0156	0.0075	0.0211	0.0188
%RSD		87.0988	143.9272	188.0435	60.2432	102.4377	20.2170	8.9547	26.2718
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:16	97.1%	0.2387	-0.4899	0.1969	0.3902	0.0089	0.0132	0.0047
2	12:58:15	98.9%	0.0109	-0.1400	-0.2383	-0.1085	0.0069	0.0041	0.0070
3	12:59:14	101.5%	0.2857	-0.3606	-0.0993	0.6890	0.0067	0.0009	0.0078
X		99.2%	0.1785	-0.3302	-0.0469	0.3236	0.0075	0.0061	0.0065
σ		2.2%	0.1470	0.1769	0.2223	0.4029	0.0012	0.0064	0.0016
%RSD		2.2	82.3474	53.5750	474.0575	124.5340	16.2484	105.1156	25.1546
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:16	96.8%	0.0016	-0.0002	-0.0015	0.0015	-0.0009	96.7%	-0.0004
2	12:58:15	97.5%	-0.0002	0.0010	-0.0015	0.0014	-0.0009	99.6%	-0.0004
3	12:59:14	101.0%	0.0004	-0.0002	-0.0015	0.0003	-0.0000	101.4%	0.0028
X		98.4%	0.0006	0.0002	-0.0015	0.0011	-0.0006	99.2%	0.0006
σ		2.2%	0.0009	0.0007	0.0000	0.0007	0.0005	2.4%	0.0018
%RSD		2.3	151.0165	342.8679	0.0000	59.4419	84.7632	2.4	291.4862
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:16	-0.0011	0.0012	-0.0024	-0.0046	95.9%	-0.0017	-0.0015	0.0008
2	12:58:15	0.0014	0.0069	0.0008	0.0050	99.4%	-0.0008	-0.0049	0.0049
3	12:59:14	-0.0003	-0.0137	0.0041	0.0022	100.8%	-0.0019	-0.0059	0.0085
X		0.0000	-0.0019	0.0008	0.0009	98.7%	-0.0015	-0.0041	0.0048
σ		0.0012	0.0106	0.0033	0.0049	2.5%	0.0006	0.0023	0.0039
%RSD		17595.1290	571.9230	392.2355	565.3377	2.5	41.8713	56.0845	81.1677
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	12:57:16	0.0030	0.0026	95.3%	-0.0022				
2	12:58:15	0.0030	0.0044	99.2%	0.0014				
3	12:59:14	-0.0017	0.0032	101.3%	-0.0003				
X		0.0015	0.0034	98.6%	-0.0004				
σ		0.0027	0.0009	3.1%	0.0018				
%RSD		184.5149	27.4079	3.1	479.5435				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	13:01:45	99.6%	20.8420	20.7520	19.9072	20.1725	18.7039	20.4331	20.5238
2	13:02:44	102.5%	19.7206	20.0034	18.6631	19.1943	17.5521	19.6320	19.1645
3	13:03:41	102.7%	19.1066	19.6893	18.9495	18.8039	16.6336	19.5617	19.1907
X		101.6%	19.8898	20.1482	19.1733	19.3902	17.6299	19.8756	19.6263
σ		1.8%	0.8800	0.5459	0.6515	0.7050	1.0373	0.4841	0.7773
%RSD		1.7	4.4243	2.7096	3.3981	3.6360	5.8840	2.4356	3.9606
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	13:01:45	20.9491	23.9981	20.3454	21.1147	20.9314	21.3783	21.5311	21.1607
2	13:02:44	19.6358	23.1193	19.9743	19.8134	19.3837	20.1190	19.3590	19.8205
3	13:03:41	18.6975	17.4525	18.9857	19.0686	19.6990	20.1474	19.2114	19.9125
X		19.7608	21.5233	19.7684	19.9989	20.0047	20.5482	20.0338	20.2979
σ		1.1310	3.5527	0.7028	1.0356	0.8179	0.7190	1.2988	0.7486
%RSD		5.7235	16.5063	3.5553	5.1782	4.0884	3.4992	6.4829	3.6881
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	13:01:45	96.6%	20.0528	20.3964	19.6798	21.1293	20.0174	19.4178	19.6166
2	13:02:44	100.7%	18.9819	20.7870	18.6433	20.0802	19.6461	19.4057	19.2215
3	13:03:41	101.4%	18.4627	20.0340	19.1463	18.9317	19.5166	18.9732	19.5105
X		99.6%	19.1658	20.4058	19.1565	20.0471	19.7267	19.2656	19.4496
σ		2.6%	0.8108	0.3766	0.5183	1.0992	0.2599	0.2532	0.2045
%RSD		2.6	4.2306	1.8456	2.7057	5.4831	1.3176	1.3145	1.0514
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	13:01:45	97.2%	20.0427	20.3047	20.4722	19.4766	20.0791	94.6%	20.7288
2	13:02:44	98.6%	19.2359	19.3628	19.9597	18.4376	19.1156	101.1%	19.5465
3	13:03:41	99.5%	19.7797	19.5722	19.7940	18.7239	19.2365	99.3%	20.0325
X		98.4%	19.6861	19.7466	20.0753	18.8794	19.4771	98.4%	20.1026
σ		1.2%	0.4115	0.4946	0.3535	0.5367	0.5249	3.4%	0.5943
%RSD		1.2	2.0901	2.5047	1.7611	2.8428	2.6948	3.4	2.9563
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	13:01:45	20.4497	20.1196	20.7800	20.5133	94.4%	20.3725	20.0748	20.2786
2	13:02:44	19.3860	19.3879	19.1739	19.6516	101.0%	19.2996	19.3169	19.4972
3	13:03:41	19.5830	19.6754	19.2463	19.6747	101.7%	19.4135	19.6993	19.8253
X		19.8062	19.7276	19.7334	19.9465	99.0%	19.6952	19.6970	19.8670
σ		0.5659	0.3687	0.9071	0.4910	4.0%	0.5893	0.3789	0.3924
%RSD		2.8572	1.8687	4.5969	2.4614	4.0	2.9923	1.9239	1.9751
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	13:01:45	20.4067	20.3551	94.0%	20.2584				
2	13:02:44	19.3573	19.4611	101.3%	19.5168				
3	13:03:41	19.5738	19.7246	102.0%	19.4530				
X		19.7793	19.8470	99.1%	19.7428				
σ		0.5540	0.4594	4.4%	0.4477				
%RSD		2.8011	2.3146	4.5	2.2678				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:54	99.5%	20.3811	19.9097	19.0519	19.9385	18.3367	19.9016	20.1676
2	13:07:53	100.6%	19.3817	19.4497	19.0677	19.4631	17.3415	19.6940	19.3059
3	13:08:52	100.4%	19.0090	19.7964	19.2044	19.4706	17.4698	19.9485	19.7578
X		100.2%	19.5906	19.7186	19.1080	19.6241	17.7160	19.8480	19.7438
$\sigma$		0.6%	0.7095	0.2397	0.0838	0.2723	0.5414	0.1355	0.4310
%RSD		0.6	3.6216	1.2154	0.4387	1.3876	3.0558	0.6825	2.1832
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:54	20.6665	20.7901	20.2933	20.4079	20.3245	20.4000	20.3826	20.0666
2	13:07:53	19.9917	18.6065	18.9400	19.4932	19.8353	20.6829	19.4624	20.0473
3	13:08:52	19.2895	20.1223	19.7181	19.8263	20.0848	20.4359	19.2592	20.0936
X		19.9826	19.8396	19.6505	19.9091	20.0815	20.5063	19.7014	20.0692
$\sigma$		0.6885	1.1189	0.6792	0.4629	0.2446	0.1540	0.5987	0.0233
%RSD		3.4456	5.6399	3.4564	2.3252	1.2180	0.7511	3.0387	0.1159
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:54	95.1%	19.1436	21.2208	19.9098	19.7134	19.7999	19.2904	19.4003
2	13:07:53	98.4%	19.0870	21.0159	19.7415	19.8313	19.4701	19.2157	19.3003
3	13:08:52	97.5%	19.5233	18.3487	19.7272	19.4846	19.6246	19.2048	19.5432
X		97.0%	19.2513	20.1951	19.7929	19.6764	19.6315	19.2370	19.4146
$\sigma$		1.7%	0.2372	1.6023	0.1015	0.1763	0.1650	0.0466	0.1220
%RSD		1.8	1.2324	7.9341	0.5130	0.8961	0.8404	0.2422	0.6286
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:54	95.7%	19.7347	19.8830	19.7148	18.7663	19.3294	95.0%	19.9953
2	13:07:53	96.9%	19.8832	19.6516	19.9017	18.5223	19.5743	97.8%	19.7800
3	13:08:52	98.0%	19.0669	19.5005	19.6389	18.9649	19.2160	98.5%	19.9445
X		96.9%	19.5616	19.6784	19.7518	18.7512	19.3733	97.1%	19.9066
$\sigma$		1.1%	0.4348	0.1926	0.1353	0.2217	0.1831	1.8%	0.1126
%RSD		1.2	2.2227	0.9790	0.6848	1.1822	0.9452	1.9	0.5655
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:54	19.4677	19.9486	20.0295	20.0797	94.0%	19.9825	19.8254	20.0424
2	13:07:53	19.5975	20.3694	19.4616	19.5037	98.6%	19.5092	19.5071	19.6247
3	13:08:52	19.5631	19.6555	19.5114	19.7247	100.2%	19.4268	19.3888	19.4254
X		19.5428	19.9912	19.6675	19.7694	97.6%	19.6395	19.5738	19.6975
$\sigma$		0.0673	0.3589	0.3145	0.2906	3.3%	0.2999	0.2258	0.3149
%RSD		0.3442	1.7950	1.5991	1.4698	3.3	1.5269	1.1537	1.5986
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:06:54	19.7114	19.9144	93.8%	19.7240				
2	13:07:53	19.6760	19.7596	98.6%	19.6912				
3	13:08:52	19.6029	19.5407	101.0%	19.3940				
X		19.6634	19.7382	97.8%	19.6031				
$\sigma$		0.0553	0.1878	3.7%	0.1818				
%RSD		0.2815	0.9513	3.8	0.9274				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:24	105.2%	0.0116	33.3672	-0.0005	0.2893	-0.7798	5.0791	0.0994
2	13:13:23	108.9%	0.0081	33.0427	0.0590	0.2913	-1.1376	5.0462	0.0916
3	13:14:21	108.8%	0.0067	33.1232	0.0733	0.2853	-1.1989	5.0399	0.0791
X		107.6%	0.0088	33.1777	0.0439	0.2887	-1.0388	5.0551	0.0901
σ		2.1%	0.0025	0.1690	0.0391	0.0030	0.2264	0.0211	0.0103
%RSD		2.0	28.5698	0.5093	89.0888	1.0504	21.7937	0.4168	11.4040
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:24	0.8251	17.4117	0.6922	1.3343	1.3031	11.1666	10.6569	11.3286
2	13:13:23	0.7357	13.0351	0.5402	1.2959	1.2246	11.1761	10.5741	11.2028
3	13:14:21	0.8166	15.8609	0.3680	1.2456	1.2320	11.0591	10.8781	11.0807
X		0.7925	15.4359	0.5335	1.2920	1.2532	11.1339	10.7030	11.2040
σ		0.0493	2.2190	0.1622	0.0445	0.0433	0.0650	0.1571	0.1240
%RSD		6.2269	14.3757	30.4084	3.4416	3.4587	0.5839	1.4681	1.1067
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:24	100.6%	0.4685	0.9459	0.5105	0.7276	0.5707	0.5985	0.6109
2	13:13:23	104.3%	0.3051	0.4491	0.2202	0.0047	0.6417	0.6913	0.6022
3	13:14:21	104.9%	0.1507	0.6324	0.1771	-0.1944	0.5728	0.5579	0.5766
X		103.3%	0.3081	0.6758	0.3026	0.1793	0.5951	0.6159	0.5966
σ		2.3%	0.1589	0.2512	0.1813	0.4852	0.0404	0.0684	0.0178
%RSD		2.2	51.5896	37.1678	59.9224	270.5824	6.7893	11.1012	2.9873
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:24	100.4%	0.0067	0.0104	0.0532	0.0692	0.0573	98.8%	0.1534
2	13:13:23	102.4%	0.0081	0.0083	0.0552	0.0528	0.0638	104.1%	0.1798
3	13:14:21	103.2%	0.0085	0.0065	0.0693	0.0564	0.0843	105.1%	0.1742
X		102.0%	0.0078	0.0084	0.0592	0.0594	0.0685	102.6%	0.1691
σ		1.4%	0.0010	0.0019	0.0087	0.0086	0.0141	3.4%	0.0139
%RSD		1.4	12.6730	22.8124	14.7575	14.4965	20.6030	3.3	8.2275
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:12:24	0.1511	21.7866	21.9014	21.9420	98.1%	0.0233	0.0271	1.3221
2	13:13:23	0.1620	21.6596	21.6666	21.7669	103.5%	0.0252	0.0259	1.3306
3	13:14:21	0.1556	21.5777	21.7231	21.7197	105.8%	0.0301	0.0318	1.3038
X		0.1562	21.6746	21.7637	21.8095	102.5%	0.0262	0.0283	1.3188
σ		0.0055	0.1053	0.1226	0.1171	4.0%	0.0035	0.0031	0.0137
%RSD		3.4979	0.4857	0.5631	0.5370	3.9	13.2950	10.9987	1.0376
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:12:24	1.5516	1.4521	97.1%	0.5160				
2	13:13:23	1.5650	1.4719	103.1%	0.5204				
3	13:14:21	1.5473	1.4769	105.0%	0.5018				
X		1.5546	1.4669	101.7%	0.5127				
σ		0.0092	0.0131	4.1%	0.0097				
%RSD		0.5937	0.8948	4.0	1.8928				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:55	109.7%	0.0037	34.9785	-0.0028	0.2936	-0.8354	5.0981	0.0832
2	13:17:52	111.0%	0.0070	33.2855	-0.0169	0.3576	-1.0691	4.8779	0.0789
3	13:18:49	111.7%	0.0041	32.2290	0.1002	0.4106	-1.2484	4.8252	0.0809
x		110.8%	0.0050	33.4976	0.0269	0.3539	-1.0510	4.9337	0.0810
σ		1.0%	0.0018	1.3870	0.0639	0.0586	0.2071	0.1447	0.0022
%RSD		0.9	36.0350	4.1406	238.0418	16.5549	19.7042	2.9337	2.6714
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:55	0.6931	18.6865	0.6367	1.0141	0.9586	3.9420	4.0509	4.2777
2	13:17:52	0.7276	12.5864	0.5083	0.8918	0.9746	3.8541	4.0213	3.9384
3	13:18:49	0.7087	15.3738	0.4833	0.9680	0.8995	3.6421	4.1798	4.2470
x		0.7098	15.5489	0.5428	0.9579	0.9442	3.8127	4.0840	4.1544
σ		0.0173	3.0538	0.0823	0.0618	0.0395	0.1542	0.0843	0.1877
%RSD		2.4351	19.6402	15.1644	6.4477	4.1878	4.0439	2.0635	4.5175
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:55	104.6%	0.4121	0.4886	-0.1442	0.4720	0.5664	0.5753	0.5949
2	13:17:52	107.7%	0.2217	0.5877	0.2092	-0.1525	0.5807	0.5659	0.5701
3	13:18:49	107.5%	0.3618	0.4051	0.0948	0.1064	0.4950	0.5010	0.5968
x		106.6%	0.3319	0.4938	0.0533	0.1420	0.5473	0.5474	0.5873
σ		1.8%	0.0987	0.0914	0.1804	0.3138	0.0459	0.0405	0.0149
%RSD		1.7	29.7355	18.5046	338.5470	221.0403	8.3864	7.3902	2.5393
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:55	104.5%	0.0036	0.0038	0.0722	0.0500	0.0534	102.5%	0.1440
2	13:17:52	107.1%	0.0013	0.0064	0.0596	0.0593	0.0531	106.5%	0.1409
3	13:18:49	106.2%	0.0040	0.0119	0.0760	0.0473	0.0514	106.7%	0.1449
x		105.9%	0.0030	0.0073	0.0693	0.0522	0.0526	105.2%	0.1433
σ		1.4%	0.0014	0.0041	0.0086	0.0063	0.0011	2.4%	0.0021
%RSD		1.3	48.3750	56.5170	12.3875	12.0328	2.0944	2.2	1.4428
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:55	0.1464	22.1318	21.6127	22.3838	101.6%	0.0221	0.0256	1.3226
2	13:17:52	0.1636	21.9581	21.7000	21.9970	106.4%	0.0237	0.0270	1.3203
3	13:18:49	0.1602	21.5852	21.3184	21.6308	106.5%	0.0217	0.0269	1.2666
x		0.1567	21.8917	21.5437	22.0039	104.8%	0.0225	0.0265	1.3032
σ		0.0091	0.2793	0.1999	0.3766	2.8%	0.0011	0.0008	0.0317
%RSD		5.8109	1.2758	0.9281	1.7114	2.7	4.8197	2.9714	2.4308
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:16:55	1.6155	1.4631	100.0%	0.5048				
2	13:17:52	1.5805	1.4459	104.8%	0.5098				
3	13:18:49	1.5265	1.4129	106.2%	0.5002				
x		1.5742	1.4406	103.7%	0.5049				
σ		0.0448	0.0255	3.2%	0.0048				
%RSD		2.8474	1.7733	3.1	0.9460				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:24	113.3%	-0.0002	6.7390	-0.1922	0.1118	-1.1860	1.0272	0.0134
2	13:22:21	115.6%	0.0041	6.3463	0.0355	0.0883	-1.9593	1.0147	0.0039
3	13:23:20	116.3%	-0.0030	6.2917	-0.0364	0.0691	-2.0646	1.0123	0.0150
X		115.1%	0.0003	6.4590	-0.0644	0.0898	-1.7366	1.0181	0.0108
σ		1.6%	0.0036	0.2440	0.1164	0.0214	0.4798	0.0080	0.0060
%RSD		1.4	1369.0402	3.7778	180.8377	23.8057	27.6278	0.7856	55.6925
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:24	0.1905	1.5682	0.1407	0.3779	0.2472	2.1212	1.6420	2.2215
2	13:22:21	0.1564	2.4146	0.1751	0.3377	0.2549	2.0898	1.8182	2.0863
3	13:23:20	0.1444	1.8908	0.1458	0.2200	0.2900	2.0259	1.5121	2.0008
X		0.1638	1.9579	0.1539	0.3119	0.2640	2.0790	1.6574	2.1029
σ		0.0239	0.4272	0.0186	0.0821	0.0228	0.0485	0.1536	0.1113
%RSD		14.5914	21.8172	12.0608	26.3138	8.6364	2.3351	9.2699	5.2930
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:24	108.7%	0.2272	-0.1216	-0.1998	0.3959	0.0999	0.1234	0.1217
2	13:22:21	112.1%	0.2287	-0.1898	0.0121	0.4206	0.1212	0.1290	0.1245
3	13:23:20	112.2%	0.2836	-0.3261	0.0092	0.6080	0.1076	0.1074	0.1232
X		111.0%	0.2465	-0.2125	-0.0595	0.4748	0.1096	0.1199	0.1231
σ		2.0%	0.0322	0.1041	0.1215	0.1160	0.0108	0.0112	0.0014
%RSD		1.8	13.0439	49.0067	204.2271	24.4262	9.8542	9.3617	1.1519
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:24	107.8%	0.0045	0.0009	0.0026	0.0123	0.0175	106.0%	0.0321
2	13:22:21	109.6%	0.0018	0.0035	0.0144	0.0120	0.0121	109.2%	0.0359
3	13:23:20	109.9%	0.0013	0.0040	0.0163	0.0080	0.0151	110.7%	0.0360
X		109.1%	0.0025	0.0028	0.0111	0.0108	0.0149	108.6%	0.0347
σ		1.2%	0.0017	0.0017	0.0074	0.0024	0.0027	2.4%	0.0022
%RSD		1.1	69.2225	59.7573	66.6402	22.4385	18.1353	2.2	6.2970
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:24	0.0404	4.2954	4.3362	4.3116	102.3%	0.0009	0.0006	0.2522
2	13:22:21	0.0301	4.2877	4.5393	4.3495	107.6%	-0.0019	-0.0010	0.2858
3	13:23:20	0.0304	4.5453	4.3839	4.3199	109.2%	0.0009	-0.0031	0.2534
X		0.0337	4.3761	4.4198	4.3270	106.3%	-0.0000	-0.0012	0.2638
σ		0.0059	0.1465	0.1062	0.0199	3.6%	0.0016	0.0019	0.0191
%RSD		17.4176	3.3487	2.4034	0.4605	3.4	7312.4753	159.6903	7.2249
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:21:24	0.3243	0.2965	100.2%	0.1003				
2	13:22:21	0.3095	0.2948	105.7%	0.0983				
3	13:23:20	0.3208	0.2903	106.8%	0.1034				
X		0.3182	0.2939	104.3%	0.1007				
σ		0.0077	0.0032	3.6%	0.0026				
%RSD		2.4241	1.0917	3.4	2.5621				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:52	108.5%	20.6425	49.3170	20.8321	20.5290	17.5375	24.4496	19.8073
2	13:26:52	109.6%	19.6893	48.3489	19.3991	19.8270	18.3446	24.6128	19.2295
3	13:27:51	107.9%	19.6028	48.6024	20.2901	19.9599	17.4482	24.7846	19.5709
X		108.7%	19.9782	48.7561	20.1738	20.1053	17.7768	24.6157	19.5359
σ		0.9%	0.5769	0.5020	0.7235	0.3729	0.4938	0.1675	0.2905
%RSD		0.8	2.8878	1.0297	3.5866	1.8548	2.7776	0.6805	1.4868
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:52	20.7975	39.3748	20.5232	20.7433	20.7541	23.9189	23.6617	24.0308
2	13:26:52	20.2842	37.7862	20.2499	20.5752	20.4134	23.3926	24.5933	23.8063
3	13:27:51	20.3600	33.5644	20.0363	20.1031	20.6245	23.4235	24.3437	24.0918
X		20.4805	36.9085	20.2698	20.4739	20.5974	23.5783	24.1995	23.9763
σ		0.2771	3.0030	0.2441	0.3319	0.1720	0.2953	0.4823	0.1503
%RSD		1.3528	8.1362	1.2041	1.6212	0.8350	1.2526	1.9929	0.6270
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:52	106.5%	19.9012	22.7823	20.4795	20.0676	20.4595	20.4286	20.3179
2	13:26:52	105.5%	20.6109	21.4039	19.0379	20.2216	20.7153	20.5342	19.9676
3	13:27:51	104.8%	20.0915	22.1110	20.5944	21.4363	20.7207	20.1210	20.6780
X		105.6%	20.2012	22.0991	20.0372	20.5752	20.6318	20.3612	20.3211
σ		0.9%	0.3673	0.6893	0.8674	0.7498	0.1493	0.2146	0.3553
%RSD		0.8	1.8184	3.1191	4.3287	3.6440	0.7235	1.0541	1.7482
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:52	105.5%	9.6173	9.8419	19.8210	19.4847	20.0544	103.6%	20.7998
2	13:26:52	104.1%	9.6693	9.5893	19.9392	19.6644	19.5227	106.2%	20.4494
3	13:27:51	102.8%	9.4039	9.6306	19.3719	19.4764	19.4520	107.2%	20.2976
X		104.2%	9.5635	9.6873	19.7107	19.5418	19.6764	105.7%	20.5156
σ		1.4%	0.1406	0.1355	0.2993	0.1062	0.3293	1.9%	0.2576
%RSD		1.3	1.4705	1.3984	1.5184	0.5435	1.6734	1.8	1.2555
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:52	20.1173	42.1388	41.4712	42.3969	101.7%	19.7250	19.7913	21.2496
2	13:26:52	19.9205	41.7864	40.8272	41.6569	105.7%	19.4927	19.4048	20.7048
3	13:27:51	19.9598	41.6523	40.9440	41.0570	106.0%	19.5791	19.4311	20.9960
X		19.9992	41.8592	41.0808	41.7036	104.5%	19.5989	19.5424	20.9835
σ		0.1042	0.2512	0.3431	0.6712	2.4%	0.1175	0.2160	0.2726
%RSD		0.5208	0.6002	0.8353	1.6094	2.3	0.5993	1.1051	1.2992
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:25:52	21.3490	21.3096	101.7%	20.2447				
2	13:26:52	20.9107	20.8156	105.8%	20.0069				
3	13:27:51	21.1871	21.0950	106.1%	20.2231				
X		21.1489	21.0734	104.5%	20.1582				
σ		0.2216	0.2477	2.5%	0.1315				
%RSD		1.0478	1.1756	2.4	0.6524				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:20	109.6%	25.5773	24.3700	24.3143	24.4735	23.7809	24.7174	25.4288
2	13:32:17	109.2%	24.2336	24.3536	24.6158	24.2396	22.0445	24.5035	24.7347
3	13:33:14	109.5%	23.7598	24.0731	24.3734	24.3198	22.8179	24.8515	24.4942
X		109.4%	24.5235	24.2655	24.4345	24.3443	22.8811	24.6908	24.8859
σ		0.2%	0.9428	0.1669	0.1597	0.1189	0.8699	0.1755	0.4853
%RSD		0.2	3.8444	0.6877	0.6538	0.4883	3.8019	0.7109	1.9500
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:20	25.8434	25.0464	25.6670	25.6821	25.9967	24.4514	23.6000	24.9416
2	13:32:17	24.3813	26.8047	24.5094	25.0982	24.8600	24.4428	24.5211	24.0771
3	13:33:14	24.4164	25.8159	25.1247	24.6363	24.0871	24.6019	24.2816	24.1634
X		24.8804	25.8890	25.1004	25.1389	24.9813	24.4987	24.1343	24.3940
σ		0.8342	0.8814	0.5792	0.5241	0.9606	0.0895	0.4779	0.4762
%RSD		3.3529	3.4045	2.3074	2.0848	3.8451	0.3652	1.9802	1.9521
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:20	105.7%	23.7877	27.4850	25.2887	24.3105	23.9023	23.8744	24.1097
2	13:32:17	106.5%	24.0338	25.5797	24.6044	26.5127	24.3259	23.9447	24.3781
3	13:33:14	104.9%	23.6721	26.1215	24.0525	23.4857	24.8872	24.7290	24.4721
X		105.7%	23.8312	26.3954	24.6486	24.7696	24.3718	24.1827	24.3200
σ		0.8%	0.1848	0.9817	0.6193	1.5649	0.4941	0.4744	0.1880
%RSD		0.8	0.7753	3.7193	2.5123	6.3178	2.0272	1.9619	0.7732
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:20	106.1%	24.3573	24.4376	23.8646	24.2639	24.3235	104.1%	24.5120
2	13:32:17	104.6%	24.6295	24.4267	24.5608	24.0005	23.9501	106.5%	24.5311
3	13:33:14	104.2%	24.5513	24.8880	24.2875	24.2237	24.5171	106.1%	24.5930
X		104.9%	24.5127	24.5841	24.2376	24.1627	24.2635	105.6%	24.5454
σ		1.0%	0.1401	0.2632	0.3507	0.1419	0.2882	1.3%	0.0423
%RSD		1.0	0.5717	1.0707	1.4471	0.5874	1.1877	1.2	0.1725
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:20	24.1454	24.4280	24.7216	24.6082	100.9%	24.5837	24.4905	24.5539
2	13:32:17	24.2015	24.1363	24.4722	24.2206	104.2%	24.4164	24.5775	24.4740
3	13:33:14	24.3783	24.6963	24.6302	24.5802	105.3%	24.4746	24.4996	24.6445
X		24.2417	24.4202	24.6080	24.4697	103.5%	24.4916	24.5225	24.5575
σ		0.1215	0.2801	0.1262	0.2161	2.3%	0.0849	0.0478	0.0853
%RSD		0.5014	1.1469	0.5127	0.8833	2.2	0.3467	0.1948	0.3472
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:31:20	24.4845	24.3739	99.9%	24.2512				
2	13:32:17	24.3379	24.3972	103.9%	24.4626				
3	13:33:14	24.6478	24.5463	105.3%	24.2603				
X		24.4901	24.4392	103.1%	24.3247				
σ		0.1550	0.0936	2.8%	0.1195				
%RSD		0.6331	0.3828	2.7	0.4913				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:41:41	104.1%	0.0033	-0.0422	-0.1854	0.0496	-1.6450	0.0046	-0.0014
2	13:42:40	105.3%	0.0025	-0.0661	-0.1711	0.0643	-1.9986	0.0017	0.0105
3	13:43:37	106.5%	0.0022	-0.0628	-0.1600	0.0125	-2.2020	-0.0035	-0.0048
X		105.3%	0.0026	-0.0570	-0.1721	0.0421	-1.9485	0.0009	0.0014
σ		1.2%	0.0006	0.0130	0.0127	0.0267	0.2818	0.0041	0.0080
%RSD		1.1	21.3579	22.7269	7.3951	63.3235	14.4637	451.6335	556.3146
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:41:41	0.0051	-0.1935	0.0411	0.1281	-0.0337	-0.0211	-0.3512	-0.0487
2	13:42:40	0.0020	-0.8367	0.0578	0.0353	-0.0416	-0.0259	-0.3423	-0.0586
3	13:43:37	-0.0085	-1.5609	0.0274	0.0146	-0.0234	-0.0454	-0.4577	-0.0508
X		-0.0004	-0.8637	0.0421	0.0593	-0.0329	-0.0308	-0.3838	-0.0527
σ		0.0071	0.6841	0.0152	0.0604	0.0091	0.0129	0.0642	0.0052
%RSD		1641.2863	79.2063	36.0849	101.8798	27.7165	41.8311	16.7322	9.8907
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:41:41	99.8%	0.0253	0.0541	0.0809	0.3844	0.0216	0.0247	0.0228
2	13:42:40	101.9%	0.2296	-0.4621	-0.1501	0.5848	0.0448	0.0474	0.0514
3	13:43:37	103.9%	-0.0344	-0.3244	-0.2375	-0.2317	0.0533	0.0441	0.0410
X		101.9%	0.0735	-0.2441	-0.1022	0.2458	0.0399	0.0387	0.0384
σ		2.1%	0.1385	0.2673	0.1645	0.4255	0.0164	0.0122	0.0145
%RSD		2.0	188.3557	109.5029	160.9356	173.0826	41.0331	31.5789	37.6358
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:41:41	99.0%	0.0027	0.0028	-0.0015	0.0004	0.0000	98.5%	0.0015
2	13:42:40	101.2%	0.0032	0.0061	0.0007	0.0035	0.0017	102.8%	0.0015
3	13:43:37	101.9%	0.0032	0.0027	-0.0015	0.0046	-0.0009	100.9%	0.0009
X		100.7%	0.0030	0.0039	-0.0007	0.0028	0.0003	100.8%	0.0013
σ		1.5%	0.0003	0.0020	0.0012	0.0022	0.0013	2.1%	0.0004
%RSD		1.5	8.6135	50.7257	164.6003	77.6299	476.4157	2.1	29.4665
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:41:41	-0.0011	-0.0166	0.0088	0.0059	98.0%	0.0046	-0.0055	0.0046
2	13:42:40	0.0036	-0.0173	-0.0111	-0.0024	102.1%	0.0032	0.0008	0.0015
3	13:43:37	0.0005	-0.0237	0.0172	0.0062	102.7%	0.0002	0.0004	0.0046
X		0.0010	-0.0192	0.0049	0.0032	100.9%	0.0027	-0.0014	0.0035
σ		0.0024	0.0039	0.0145	0.0049	2.5%	0.0022	0.0036	0.0018
%RSD		233.1928	20.5816	293.6272	152.5094	2.5	83.2364	246.2061	50.8927
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:41:41	0.0025	0.0026	96.8%	-0.0022				
2	13:42:40	0.0070	0.0036	102.0%	0.0004				
3	13:43:37	-0.0004	0.0030	102.2%	-0.0004				
X		0.0030	0.0030	100.3%	-0.0008				
σ		0.0037	0.0005	3.0%	0.0013				
%RSD		122.7111	16.7391	3.0	171.7186				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:18	107.8%	20.0355	56.2554	19.3761	19.7726	17.6172	24.3024	20.0428
2	13:47:15	109.3%	19.4724	55.5345	19.3522	19.4164	16.8545	24.3961	19.2453
3	13:48:14	109.2%	18.7606	55.0235	19.1612	18.8424	15.6352	24.3352	19.1023
x		108.8%	19.4228	55.6045	19.2965	19.3438	16.7023	24.3446	19.4635
σ		0.9%	0.6389	0.6190	0.1178	0.4693	0.9997	0.0475	0.5068
%RSD		0.8	3.2894	1.1131	0.6103	2.4261	5.9857	0.1953	2.6038
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:18	20.8027	39.7060	19.9081	19.9736	20.4421	24.1782	23.6856	23.8240
2	13:47:15	19.8202	31.9588	19.1062	20.2330	19.9042	23.1917	24.8361	23.7668
3	13:48:14	19.6526	35.7097	19.1984	19.7279	19.9689	23.2237	23.9978	23.8545
x		20.0918	35.7915	19.4043	19.9782	20.1051	23.5312	24.1731	23.8151
σ		0.6213	3.8742	0.4388	0.2526	0.2937	0.5606	0.5950	0.0445
%RSD		3.0923	10.8244	2.2612	1.2642	1.4607	2.3822	2.4612	0.1869
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:18	104.5%	19.8902	22.8307	19.6952	19.4604	19.7852	20.3789	20.3400
2	13:47:15	105.2%	19.9445	20.4168	20.2909	20.9299	20.1367	20.0539	20.2491
3	13:48:14	105.9%	18.8214	22.8174	19.4916	21.1061	19.9806	20.0509	19.5893
x		105.2%	19.5520	22.0216	19.8259	20.4988	19.9675	20.1612	20.0595
σ		0.7%	0.6333	1.3899	0.4153	0.9036	0.1761	0.1885	0.4097
%RSD		0.6	3.2392	6.3113	2.0950	4.4081	0.8820	0.9350	2.0423
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:18	102.8%	19.1273	19.3784	19.8402	18.3388	18.8291	103.7%	19.5909
2	13:47:15	103.4%	19.2478	19.4198	19.1739	18.0702	18.9495	105.1%	19.8791
3	13:48:14	104.0%	18.8293	18.9150	19.6838	18.6227	18.9516	104.9%	19.8255
x		103.4%	19.0681	19.2377	19.5660	18.3439	18.9101	104.6%	19.7652
σ		0.6%	0.2154	0.2803	0.3485	0.2763	0.0701	0.8%	0.1533
%RSD		0.6	1.1299	1.4569	1.7810	1.5063	0.3707	0.7	0.7754
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:46:18	19.0477	40.6349	41.0304	41.0252	100.9%	19.6156	19.3868	20.8561
2	13:47:15	19.3753	40.5188	40.6218	41.1295	105.2%	19.1597	19.1582	20.6088
3	13:48:14	19.2783	39.7779	40.2051	40.7712	106.6%	19.2550	19.0496	20.5070
x		19.2338	40.3106	40.6191	40.9753	104.2%	19.3435	19.1982	20.6573
σ		0.1683	0.4649	0.4127	0.1843	2.9%	0.2405	0.1721	0.1795
%RSD		0.8749	1.1533	1.0159	0.4498	2.8	1.2432	0.8966	0.8691
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:46:18	20.7999	20.7990	100.6%	19.8054				
2	13:47:15	20.5445	20.5448	105.4%	19.9648				
3	13:48:14	20.5989	20.5951	106.3%	19.7615				
x		20.6478	20.6463	104.1%	19.8439				
σ		0.1345	0.1346	3.0%	0.1069				
%RSD		0.6516	0.6520	2.9	0.5389				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:51:53	113.5%	-0.0038	0.4547	-0.1513	0.1072	-1.9154	0.0136	0.0001
2	13:52:52	114.8%	-0.0010	0.4147	-0.1479	0.0788	-2.2369	0.0188	0.0059
3	13:53:51	113.1%	-0.0006	0.4529	-0.1395	0.0998	-2.2567	0.0153	0.0102
x		113.8%	-0.0018	0.4408	-0.1462	0.0953	-2.1363	0.0159	0.0054
σ		0.9%	0.0017	0.0226	0.0061	0.0147	0.1916	0.0027	0.0051
%RSD		0.8	95.6315	5.1326	4.1791	15.4627	8.9680	16.8530	93.9133
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:51:53	0.0127	2.6556	0.1792	0.1729	0.0247	0.3151	0.0706	0.2722
2	13:52:52	0.0170	-0.7519	0.0647	0.1133	0.0169	0.2400	-0.0726	0.2949
3	13:53:51	0.0272	-2.6112	0.0077	0.1042	0.0020	0.2906	0.0698	0.2060
x		0.0190	-0.2359	0.0839	0.1301	0.0146	0.2819	0.0226	0.2577
σ		0.0074	2.6711	0.0874	0.0373	0.0115	0.0383	0.0824	0.0462
%RSD		39.1025	1132.5270	104.1413	28.6668	79.3306	13.5936	364.7455	17.9191
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:51:53	108.1%	0.1581	-0.3519	0.0880	0.4285	0.0434	0.0197	0.0396
2	13:52:52	109.7%	0.1226	-0.4053	-0.1238	0.2347	0.0432	0.0546	0.0518
3	13:53:51	108.3%	0.1033	-0.3515	-0.0583	0.1393	0.0352	0.0363	0.0515
x		108.7%	0.1280	-0.3695	-0.0314	0.2675	0.0406	0.0369	0.0476
σ		0.9%	0.0278	0.0309	0.1084	0.1474	0.0047	0.0175	0.0070
%RSD		0.8	21.7021	8.3701	345.5680	55.0932	11.4913	47.3603	14.6125
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:51:53	108.7%	0.0034	0.0047	0.0006	0.0003	0.0008	106.8%	0.0032
2	13:52:52	109.1%	0.0055	0.0030	0.0006	0.0013	0.0016	107.7%	0.0020
3	13:53:51	107.6%	0.0050	0.0041	-0.0015	0.0042	0.0007	108.7%	0.0055
x		108.5%	0.0046	0.0039	-0.0001	0.0019	0.0010	107.8%	0.0036
σ		0.8%	0.0011	0.0008	0.0012	0.0020	0.0005	1.0%	0.0018
%RSD		0.7	23.3547	21.2100	1056.2919	106.3891	45.9564	0.9	50.4697
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:51:53	0.0012	-0.0081	0.0158	0.0140	102.0%	-0.0005	-0.0053	0.0001
2	13:52:52	0.0026	-0.0054	0.0168	0.0067	106.1%	0.0029	-0.0079	0.0054
3	13:53:51	0.0026	0.0099	0.0094	0.0066	107.1%	-0.0049	-0.0062	0.0055
x		0.0021	-0.0012	0.0140	0.0091	105.1%	-0.0008	-0.0065	0.0037
σ		0.0008	0.0097	0.0040	0.0043	2.7%	0.0040	0.0013	0.0031
%RSD		39.2846	812.3147	28.8124	47.1495	2.6	481.5145	20.8945	84.5179
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:51:53	0.0042	0.0041	100.0%	0.0009				
2	13:52:52	0.0030	0.0040	104.7%	-0.0008				
3	13:53:51	0.0087	0.0088	106.1%	0.0003				
x		0.0053	0.0057	103.6%	0.0001				
σ		0.0030	0.0027	3.2%	0.0008				
%RSD		56.6628	48.3130	3.1	574.8019				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:56:28	111.7%	0.0010	5.3534	-0.1074	0.1370	-1.6901	1.8095	0.5656
2	13:57:26	113.1%	0.0016	5.0616	-0.0248	0.1094	-2.2898	1.7612	0.5252
3	13:58:25	114.2%	0.0027	5.1103	0.0816	0.1267	-2.1517	1.7657	0.5408
x		113.0%	0.0017	5.1751	-0.0169	0.1243	-2.0438	1.7788	0.5439
σ		1.2%	0.0009	0.1563	0.0947	0.0139	0.3140	0.0267	0.0203
%RSD		1.1	49.6591	3.0206	561.6930	11.1970	15.3648	1.4997	3.7411
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:56:28	0.6875	17.2182	0.5064	0.4409	0.4096	2.0772	2.4601	2.5715
2	13:57:26	0.7587	13.7368	0.4635	0.4148	0.3817	2.1084	1.8354	2.4121
3	13:58:25	0.6665	11.7311	0.3401	0.3707	0.4277	2.1633	2.0868	2.5200
x		0.7043	14.2287	0.4367	0.4088	0.4063	2.1163	2.1274	2.5012
σ		0.0483	2.7764	0.0863	0.0355	0.0232	0.0436	0.3143	0.0814
%RSD		6.8652	19.5129	19.7676	8.6855	5.7098	2.0592	14.7740	3.2528
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:56:28	108.2%	0.3035	0.7673	0.1725	0.3971	0.5241	0.5777	0.5504
2	13:57:26	109.4%	0.3325	0.8013	0.2252	0.3637	0.6303	0.5885	0.5964
3	13:58:25	108.1%	0.6089	-0.0205	0.0212	0.9514	0.6185	0.5536	0.6097
x		108.6%	0.4149	0.5161	0.1397	0.5707	0.5910	0.5732	0.5855
σ		0.7%	0.1686	0.4650	0.1059	0.3301	0.0582	0.0179	0.0311
%RSD		0.7	40.6214	90.1017	75.8280	57.8356	9.8538	3.1165	5.3152
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:56:28	107.5%	0.0029	0.0015	0.0292	0.0305	0.0301	105.5%	0.1352
2	13:57:26	106.6%	0.0029	0.0052	0.0268	0.0289	0.0384	108.3%	0.1255
3	13:58:25	105.4%	0.0051	0.0036	0.0290	0.0261	0.0328	108.0%	0.1245
x		106.5%	0.0037	0.0034	0.0283	0.0285	0.0338	107.3%	0.1284
σ		1.0%	0.0013	0.0019	0.0013	0.0022	0.0042	1.5%	0.0059
%RSD		1.0	34.2913	55.2708	4.7633	7.7554	12.5428	1.4	4.5967
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:56:28	0.1031	21.2956	21.5530	21.5829	102.8%	0.0314	0.0249	0.0839
2	13:57:26	0.1505	21.7834	21.5255	21.5705	107.2%	0.0305	0.0255	0.0942
3	13:58:25	0.1236	20.8487	20.9019	21.3313	108.6%	0.0218	0.0222	0.0863
x		0.1257	21.3092	21.3268	21.4949	106.2%	0.0279	0.0242	0.0881
σ		0.0238	0.4675	0.3682	0.1418	3.0%	0.0053	0.0017	0.0054
%RSD		18.9141	2.1937	1.7264	0.6598	2.9	19.1117	7.1303	6.1148
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:56:28	0.0900	0.0918	101.8%	0.4990				
2	13:57:26	0.0934	0.0938	106.1%	0.5056				
3	13:58:25	0.0959	0.0865	108.1%	0.5012				
x		0.0931	0.0907	105.4%	0.5019				
σ		0.0029	0.0038	3.2%	0.0034				
%RSD		3.1637	4.1824	3.1	0.6695				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:03	116.6%	0.0004	0.9656	-0.1116	0.1023	-2.2890	0.2197	0.0882
2	14:02:02	117.4%	-0.0006	0.9834	0.0213	0.0807	-2.7513	0.2213	0.0991
3	14:03:01	116.3%	0.0004	1.0521	-0.0437	0.0654	-2.5850	0.2271	0.0919
X		116.7%	0.0001	1.0004	-0.0447	0.0828	-2.5418	0.2227	0.0931
σ		0.6%	0.0006	0.0457	0.0665	0.0185	0.2342	0.0039	0.0055
%RSD		0.5	828.0652	4.5670	148.7591	22.3853	9.2125	1.7506	5.9389
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:03	0.0385	-0.0054	0.1739	0.1873	0.0273	0.2719	0.0474	0.2541
2	14:02:02	0.0023	-0.2832	0.1666	0.1008	0.0227	0.2496	-0.0549	0.3084
3	14:03:01	0.0209	-0.3030	0.0093	0.0838	0.0204	0.2345	-0.1721	0.2624
X		0.0206	-0.1972	0.1166	0.1240	0.0235	0.2520	-0.0599	0.2750
σ		0.0181	0.1664	0.0930	0.0555	0.0035	0.0188	0.1098	0.0292
%RSD		87.9682	84.3732	79.7267	44.7804	15.1242	7.4575	183.4179	10.6284
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:03	109.2%	0.2522	-0.7731	0.2613	0.3928	0.0177	0.0299	0.0184
2	14:02:02	111.7%	0.0722	-0.3255	-0.0820	0.2326	0.0257	0.0296	0.0122
3	14:03:01	112.1%	0.1808	-0.2379	-0.2061	0.4810	0.0207	0.0217	0.0242
X		111.0%	0.1684	-0.4455	-0.0089	0.3688	0.0214	0.0271	0.0183
σ		1.5%	0.0907	0.2871	0.2421	0.1259	0.0041	0.0047	0.0060
%RSD		1.4	53.8366	64.4313	2706.0640	34.1396	18.9816	17.3324	33.0850
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:03	111.0%	0.0002	0.0014	-0.0015	0.0003	0.0040	108.4%	0.0164
2	14:02:02	111.8%	0.0012	0.0019	-0.0015	0.0012	-0.0009	110.0%	0.0214
3	14:03:01	112.1%	0.0007	0.0019	-0.0015	0.0003	-0.0001	110.6%	0.0213
X		111.7%	0.0007	0.0017	-0.0015	0.0006	0.0010	109.7%	0.0197
σ		0.6%	0.0005	0.0003	0.0000	0.0006	0.0026	1.1%	0.0029
%RSD		0.5	69.5157	16.7774	0.0000	95.5769	259.5831	1.0	14.5810
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:03	0.0169	0.0071	0.0043	0.0050	105.0%	-0.0019	-0.0045	0.0752
2	14:02:02	0.0129	0.0032	0.0212	0.0103	108.5%	-0.0059	-0.0039	0.0767
3	14:03:01	0.0128	-0.0062	0.0277	0.0149	109.9%	-0.0001	-0.0066	0.0787
X		0.0142	0.0014	0.0177	0.0101	107.8%	-0.0027	-0.0050	0.0769
σ		0.0023	0.0069	0.0120	0.0049	2.5%	0.0030	0.0014	0.0017
%RSD		16.5260	500.3795	67.9793	49.1150	2.3	111.6423	28.7726	2.2514
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:01:03	0.0986	0.0843	102.9%	-0.0020				
2	14:02:02	0.0967	0.0865	107.8%	0.0030				
3	14:03:01	0.0831	0.0819	108.8%	-0.0016				
X		0.0928	0.0843	106.5%	-0.0002				
σ		0.0084	0.0023	3.1%	0.0028				
%RSD		9.0558	2.7273	2.9	1291.5934				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:34	110.8%	0.0016	53.9842	0.0198	0.2831	-2.1698	2.4941	0.0497
2	14:06:33	110.8%	0.0016	53.7446	0.0239	0.2727	-2.3785	2.5180	0.0440
3	14:07:32	110.2%	-0.0001	52.7159	-0.0844	0.2411	-2.1433	2.4965	0.0338
X		110.6%	0.0011	53.4816	-0.0135	0.2656	-2.2306	2.5029	0.0425
σ		0.4%	0.0010	0.6738	0.0614	0.0219	0.1288	0.0131	0.0081
%RSD		0.3	91.4266	1.2599	452.8540	8.2418	5.7757	0.5251	19.0126
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:34	0.2454	-0.7016	0.2922	1.3911	1.3809	8.4151	7.8736	8.5214
2	14:06:33	0.2503	-0.5929	0.3054	1.2335	1.2919	8.4480	7.5470	7.8471
3	14:07:32	0.2245	-0.1318	0.3620	1.3319	1.2014	8.2613	7.7524	8.0879
X		0.2401	-0.4754	0.3199	1.3188	1.2914	8.3748	7.7243	8.1521
σ		0.0137	0.3025	0.0371	0.0797	0.0898	0.0997	0.1651	0.3417
%RSD		5.7226	63.6279	11.5942	6.0397	6.9498	1.1903	2.1372	4.1913
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:34	107.0%	0.1527	-0.0623	0.1404	0.4320	0.0510	0.0558	0.0582
2	14:06:33	110.5%	0.2298	-0.5909	-0.2911	0.2346	0.0484	0.0576	0.0490
3	14:07:32	107.9%	0.1991	-0.2070	-0.0720	0.3993	0.0669	0.0507	0.0608
X		108.5%	0.1939	-0.2867	-0.0742	0.3553	0.0554	0.0547	0.0560
σ		1.8%	0.0388	0.2731	0.2157	0.1058	0.0100	0.0036	0.0062
%RSD		1.7	20.0163	95.2623	290.5686	29.7810	18.0717	6.5190	11.1474
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:34	106.9%	0.0019	0.0031	0.0193	0.0421	0.0280	103.9%	0.0484
2	14:06:33	108.4%	0.0055	0.0020	0.0086	0.0290	0.0419	107.5%	0.0454
3	14:07:32	105.8%	0.0046	0.0020	0.0189	0.0312	0.0306	107.1%	0.0475
X		107.0%	0.0040	0.0024	0.0156	0.0341	0.0335	106.2%	0.0471
σ		1.3%	0.0019	0.0007	0.0060	0.0070	0.0074	2.0%	0.0015
%RSD		1.2	46.9359	27.9716	38.7622	20.5496	22.0462	1.9	3.2034
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:34	0.0412	1.8618	1.9178	1.9643	101.7%	-0.0009	0.0009	0.6636
2	14:06:33	0.0465	1.9693	1.9278	1.9473	107.0%	-0.0036	-0.0048	0.7054
3	14:07:32	0.0414	1.7976	1.8369	1.9340	106.2%	-0.0013	0.0010	0.6626
X		0.0430	1.8762	1.8942	1.9485	105.0%	-0.0019	-0.0009	0.6772
σ		0.0030	0.0868	0.0498	0.0152	2.8%	0.0014	0.0033	0.0245
%RSD		6.9282	4.6261	2.6305	0.7817	2.7	73.7647	350.2341	3.6125
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:05:34	0.7552	0.7210	100.8%	0.0035				
2	14:06:33	0.7301	0.7476	106.1%	0.0014				
3	14:07:32	0.7751	0.7167	105.6%	0.0044				
X		0.7535	0.7284	104.1%	0.0031				
σ		0.0226	0.0168	2.9%	0.0015				
%RSD		2.9937	2.3027	2.8	49.8955				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:09	106.1%	-0.0024	13.3764	-0.1365	0.1150	-2.0918	2.4201	0.0079
2	14:11:06	108.5%	-0.0025	13.1245	-0.0397	0.0877	-2.6880	2.2951	0.0058
3	14:12:05	108.4%	0.0073	13.0661	0.0248	0.0934	-2.7479	2.3975	0.0029
x		107.7%	0.0008	13.1890	-0.0504	0.0987	-2.5092	2.3709	0.0055
σ		1.4%	0.0056	0.1649	0.0812	0.0144	0.3627	0.0666	0.0025
%RSD		1.3	707.7545	1.2505	160.9349	14.5909	14.4562	2.8084	45.0758
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:09	0.0174	0.2550	0.1469	0.9249	0.8326	0.9036	0.5305	0.8978
2	14:11:06	0.0535	0.4102	-0.0071	0.8101	0.7278	0.8150	0.7201	0.9289
3	14:12:05	0.0661	-2.0347	0.0143	0.7805	0.7451	0.9220	0.6165	0.8950
x		0.0457	-0.4565	0.0514	0.8385	0.7685	0.8802	0.6224	0.9072
σ		0.0253	1.3690	0.0835	0.0763	0.0562	0.0572	0.0949	0.0188
%RSD		55.3126	299.9002	162.4664	9.0954	7.3089	6.5016	15.2473	2.0761
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:09	101.8%	0.2465	-0.4628	0.2476	0.6855	0.0120	0.0153	0.0066
2	14:11:06	105.4%	0.1115	-0.4773	-0.2631	0.0727	0.0100	0.0065	0.0066
3	14:12:05	105.1%	0.0471	-0.1391	0.2865	0.2059	0.0154	0.0066	0.0055
x		104.1%	0.1350	-0.3597	0.0903	0.3214	0.0125	0.0095	0.0062
σ		2.0%	0.1018	0.1912	0.3067	0.3223	0.0027	0.0050	0.0006
%RSD		1.9	75.3643	53.1490	339.4339	100.2796	21.7565	53.3345	10.4366
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:09	102.3%	0.0004	0.0010	0.0029	0.0056	0.0062	100.1%	0.0080
2	14:11:06	103.4%	0.0014	0.0009	-0.0015	0.0024	0.0042	104.2%	0.0095
3	14:12:05	103.1%	0.0009	0.0004	0.0006	0.0054	0.0008	104.9%	0.0051
x		102.9%	0.0009	0.0008	0.0007	0.0045	0.0037	103.0%	0.0076
σ		0.5%	0.0005	0.0003	0.0022	0.0018	0.0027	2.6%	0.0022
%RSD		0.5	60.2561	44.4491	318.0771	40.8932	72.8296	2.5	29.5708
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:09	0.0054	0.1449	0.1248	0.1646	99.5%	-0.0051	-0.0065	0.0360
2	14:11:06	0.0098	0.1704	0.1557	0.1713	103.3%	-0.0070	-0.0039	0.0247
3	14:12:05	0.0082	0.1429	0.1577	0.1643	104.8%	-0.0041	-0.0041	0.0397
x		0.0078	0.1527	0.1461	0.1667	102.6%	-0.0054	-0.0048	0.0335
σ		0.0022	0.0153	0.0185	0.0040	2.8%	0.0015	0.0014	0.0078
%RSD		28.4949	10.0500	12.6453	2.3774	2.7	27.1615	28.9508	23.3720
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:10:09	0.0340	0.0373	98.2%	0.0001				
2	14:11:06	0.0343	0.0322	102.4%	0.0010				
3	14:12:05	0.0284	0.0361	103.8%	-0.0002				
x		0.0323	0.0352	101.4%	0.0003				
σ		0.0034	0.0027	2.9%	0.0006				
%RSD		10.4017	7.6411	2.9	204.4246				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:36	104.9%	-0.0003	1.6964	-0.1543	0.1259	-1.9979	0.5674	-0.0062
2	14:15:33	105.7%	0.0024	1.8188	-0.0564	0.1058	-2.5603	0.5758	-0.0025
3	14:16:32	106.8%	-0.0040	1.5672	-0.1802	0.0703	-2.2919	0.5754	0.0042
X		105.8%	-0.0006	1.6941	-0.1303	0.1007	-2.2834	0.5729	-0.0015
σ		1.0%	0.0032	0.1258	0.0653	0.0282	0.2813	0.0048	0.0053
%RSD		0.9	501.5663	7.4256	50.1426	27.9853	12.3177	0.8292	352.4565
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:36	0.0179	-0.2176	0.0821	0.1603	-0.0010	0.2425	-0.0969	0.1975
2	14:15:33	0.0045	-0.1680	0.1639	0.0986	0.0689	0.2052	0.2077	0.3083
3	14:16:32	0.0192	-0.4546	0.0126	0.0284	0.0320	0.2401	-0.1012	0.2459
X		0.0139	-0.2801	0.0862	0.0958	0.0333	0.2293	0.0032	0.2506
σ		0.0082	0.1532	0.0757	0.0660	0.0350	0.0209	0.1771	0.0555
%RSD		58.8408	54.6823	87.8752	68.9490	105.0291	9.1060	5494.0600	22.1682
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:36	100.6%	0.1370	-0.6071	0.0557	0.2082	0.0066	0.0183	0.0022
2	14:15:33	102.5%	0.0676	0.0741	0.1331	0.4106	0.0048	0.0038	0.0033
3	14:16:32	104.2%	0.0602	-0.4732	0.0597	-0.0277	0.0153	0.0009	0.0033
X		102.4%	0.0883	-0.3354	0.0828	0.1971	0.0089	0.0076	0.0029
σ		1.8%	0.0424	0.3609	0.0436	0.2193	0.0056	0.0094	0.0006
%RSD		1.7	47.9836	107.5956	52.5859	111.3030	63.2047	122.4349	20.7209
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:36	101.7%	-0.0008	0.0015	0.0007	-0.0007	0.0000	99.4%	0.0028
2	14:15:33	103.0%	-0.0002	0.0009	-0.0015	0.0014	0.0008	101.9%	0.0027
3	14:16:32	104.0%	0.0025	0.0004	-0.0015	0.0024	0.0008	104.3%	0.0033
X		102.9%	0.0005	0.0010	-0.0007	0.0010	0.0006	101.9%	0.0030
σ		1.2%	0.0017	0.0006	0.0013	0.0016	0.0005	2.5%	0.0003
%RSD		1.1	342.9625	62.0799	171.5643	155.1954	86.1572	2.4	9.9881
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:36	0.0022	0.0546	0.0644	0.0654	98.6%	-0.0030	-0.0026	0.0103
2	14:15:33	0.0021	0.0485	0.0540	0.0494	103.5%	-0.0045	-0.0053	0.0127
3	14:16:32	0.0020	0.0404	0.0506	0.0465	105.0%	0.0025	-0.0043	0.0037
X		0.0021	0.0478	0.0563	0.0538	102.4%	-0.0017	-0.0041	0.0089
σ		0.0001	0.0071	0.0072	0.0102	3.3%	0.0037	0.0014	0.0047
%RSD		4.8401	14.9394	12.7205	18.9647	3.2	218.1955	33.2207	52.7661
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:14:36	0.0089	0.0101	97.4%	0.0010				
2	14:15:33	0.0125	0.0118	102.5%	-0.0022				
3	14:16:32	0.0124	0.0081	104.1%	0.0008				
X		0.0113	0.0100	101.4%	-0.0001				
σ		0.0021	0.0018	3.5%	0.0018				
%RSD		18.2468	18.3650	3.4	1368.9039				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:03	104.5%	-0.0002	2.2870	-0.1935	0.0783	-2.0465	0.5560	-0.0041
2	14:20:02	106.8%	0.0031	2.3068	-0.1016	0.0777	-2.4205	0.5393	0.0001
3	14:21:01	107.7%	-0.0027	2.1874	-0.0591	0.0684	-2.4121	0.5682	0.0072
X		106.3%	0.0000	2.2604	-0.1180	0.0748	-2.2930	0.5545	0.0011
σ		1.6%	0.0029	0.0640	0.0687	0.0056	0.2135	0.0145	0.0057
%RSD		1.5	6921.3346	2.8297	58.2055	7.4434	9.3114	2.6168	523.6526
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:03	0.0129	-0.7873	0.0707	0.2402	0.1083	0.7622	0.6964	0.7884
2	14:20:02	0.0148	1.2057	-0.0083	0.1305	0.0674	0.7054	0.4499	0.7363
3	14:21:01	0.0274	-1.8111	0.0065	0.1058	0.1036	0.7273	0.2083	0.8053
X		0.0183	-0.4642	0.0230	0.1588	0.0931	0.7317	0.4515	0.7767
σ		0.0079	1.5341	0.0420	0.0716	0.0224	0.0287	0.2440	0.0360
%RSD		42.9949	330.4566	182.8376	45.0671	24.0207	3.9166	54.0436	4.6349
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:03	100.1%	0.1259	-0.3542	0.0079	0.4167	0.0012	0.0010	0.0034
2	14:20:02	101.9%	0.1637	-0.5126	-0.2267	0.3780	0.0084	0.0038	0.0033
3	14:21:01	102.3%	0.1249	-0.4144	0.0870	0.3441	0.0084	0.0096	0.0067
X		101.5%	0.1382	-0.4271	-0.0439	0.3796	0.0060	0.0048	0.0045
σ		1.2%	0.0221	0.0799	0.1632	0.0363	0.0042	0.0044	0.0019
%RSD		1.1	16.0171	18.7145	371.4876	9.5608	69.1375	92.4595	43.4245
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:03	101.0%	-0.0008	-0.0002	0.0029	0.0025	0.0035	100.2%	0.0073
2	14:20:02	102.5%	0.0014	0.0015	0.0028	0.0045	0.0026	102.8%	0.0078
3	14:21:01	101.3%	0.0015	0.0009	0.0007	0.0014	0.0034	103.6%	0.0052
X		101.6%	0.0007	0.0008	0.0021	0.0028	0.0032	102.2%	0.0068
σ		0.8%	0.0013	0.0009	0.0013	0.0016	0.0005	1.8%	0.0014
%RSD		0.8	177.9808	115.3583	59.4673	56.9634	16.6601	1.8	20.3387
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:03	0.0022	0.4008	0.3251	0.3269	99.5%	0.0007	-0.0052	0.0333
2	14:20:02	0.0060	0.3778	0.3328	0.3529	103.4%	-0.0039	-0.0065	0.0264
3	14:21:01	0.0067	0.3578	0.3551	0.3458	104.9%	-0.0081	-0.0038	0.0343
X		0.0050	0.3788	0.3377	0.3418	102.6%	-0.0037	-0.0052	0.0314
σ		0.0024	0.0215	0.0156	0.0134	2.8%	0.0044	0.0014	0.0043
%RSD		49.3557	5.6744	4.6154	3.9337	2.7	117.5225	26.3547	13.7583
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:19:03	0.0354	0.0332	99.0%	-0.0007				
2	14:20:02	0.0413	0.0336	103.3%	0.0007				
3	14:21:01	0.0368	0.0376	104.6%	0.0015				
X		0.0378	0.0348	102.3%	0.0005				
σ		0.0031	0.0024	2.9%	0.0011				
%RSD		8.0827	7.0151	2.9	222.7088				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:37	102.3%	-0.0022	1.1935	-0.0883	0.0932	-2.2925	0.5924	0.0003
2	14:24:34	104.1%	0.0009	1.2474	-0.1308	0.0648	-2.4369	0.5486	-0.0043
3	14:25:33	104.8%	-0.0027	1.2247	-0.1687	0.0574	-2.3598	0.5848	0.0002
X		103.7%	-0.0013	1.2219	-0.1293	0.0718	-2.3631	0.5753	-0.0013
σ		1.3%	0.0019	0.0270	0.0402	0.0189	0.0723	0.0234	0.0026
%RSD		1.2	143.4928	2.2137	31.0984	26.3600	3.0594	4.0759	210.4920
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:37	0.0157	-0.8380	0.0851	0.1228	0.0000	0.7621	0.5093	0.7650
2	14:24:34	0.0305	-0.7899	-0.0053	0.0301	-0.0260	0.6888	0.3275	0.7364
3	14:25:33	0.0046	-2.1067	-0.0243	0.0070	-0.0328	0.6732	0.2130	0.6566
X		0.0170	-1.2449	0.0185	0.0533	-0.0196	0.7080	0.3499	0.7194
σ		0.0130	0.7468	0.0584	0.0613	0.0174	0.0475	0.1494	0.0562
%RSD		76.5919	59.9894	315.4496	114.9298	88.5131	6.7060	42.6955	7.8085
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:37	99.7%	0.1597	-0.3484	0.1178	0.4907	0.0013	0.0010	0.0000
2	14:24:34	101.6%	0.2009	0.1356	0.5477	0.9641	0.0067	0.0039	0.0011
3	14:25:33	101.9%	0.1839	-0.4622	-0.1075	0.4814	0.0139	0.0125	0.0067
X		101.1%	0.1815	-0.2250	0.1860	0.6454	0.0073	0.0058	0.0026
σ		1.2%	0.0207	0.3174	0.3329	0.2760	0.0063	0.0060	0.0036
%RSD		1.2	11.4096	141.0620	178.9833	42.7687	87.1096	103.1639	137.6174
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:37	97.8%	-0.0007	0.0004	0.0008	0.0026	0.0009	97.2%	-0.0004
2	14:24:34	100.7%	0.0004	0.0015	-0.0015	0.0024	-0.0009	102.7%	0.0021
3	14:25:33	101.2%	0.0015	-0.0002	-0.0015	-0.0007	-0.0000	101.6%	0.0002
X		99.9%	0.0004	0.0006	-0.0007	0.0014	0.0000	100.5%	0.0006
σ		1.9%	0.0011	0.0009	0.0013	0.0019	0.0009	2.9%	0.0013
%RSD		1.9	302.1769	151.2016	181.4477	129.6384	7902.1409	2.9	211.3777
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:37	-0.0002	0.0079	0.0347	0.0412	97.1%	-0.0077	-0.0045	0.0073
2	14:24:34	0.0013	0.0384	0.0334	0.0403	102.6%	0.0007	-0.0064	0.0082
3	14:25:33	0.0005	0.0255	0.0373	0.0388	103.9%	-0.0022	-0.0062	0.0023
X		0.0005	0.0240	0.0351	0.0401	101.2%	-0.0031	-0.0057	0.0059
σ		0.0007	0.0153	0.0020	0.0012	3.6%	0.0042	0.0011	0.0032
%RSD		145.2173	63.9934	5.5772	2.9821	3.6	137.1600	18.7514	53.9455
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:23:37	0.0109	0.0072	96.5%	0.0010				
2	14:24:34	0.0075	0.0081	101.8%	0.0003				
3	14:25:33	0.0003	0.0044	103.6%	-0.0003				
X		0.0063	0.0066	100.6%	0.0003				
σ		0.0054	0.0019	3.7%	0.0006				
%RSD		86.4881	29.0158	3.7	186.6861				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:07	107.4%	0.0043	39.7453	0.0898	0.3649	-1.9444	8.9471	0.1006
2	14:29:06	110.7%	0.0012	37.9111	0.0844	0.3042	-2.0956	8.7428	0.0820
3	14:30:05	110.8%	-0.0043	37.4448	0.1703	0.3023	-2.4291	8.6322	0.0819
X		109.6%	0.0004	38.3671	0.1148	0.3238	-2.1563	8.7740	0.0882
σ		1.9%	0.0043	1.2162	0.0481	0.0356	0.2480	0.1597	0.0108
%RSD		1.8	1060.2851	3.1698	41.8871	10.9994	11.5015	1.8206	12.2287
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:07	0.9058	15.2587	0.6326	1.1564	1.0301	3.6320	3.7720	3.9797
2	14:29:06	0.9022	13.5432	0.6150	0.9416	1.0037	3.6368	3.7795	3.8864
3	14:30:05	0.7515	13.3056	0.5699	0.9117	0.8709	3.6036	3.4924	3.8121
X		0.8532	14.0358	0.6058	1.0032	0.9683	3.6242	3.6813	3.8927
σ		0.0881	1.0657	0.0324	0.1335	0.0853	0.0180	0.1636	0.0840
%RSD		10.3253	7.5926	5.3432	13.3073	8.8103	0.4956	4.4447	2.1571
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:07	103.6%	0.3318	0.6008	0.4258	0.2737	0.5644	0.4428	0.5244
2	14:29:06	108.2%	0.2612	0.7273	0.1010	0.4636	0.5053	0.4726	0.5557
3	14:30:05	107.0%	0.1533	0.7472	0.0852	0.0075	0.6235	0.4796	0.5098
X		106.3%	0.2488	0.6918	0.2040	0.2483	0.5644	0.4650	0.5300
σ		2.4%	0.0899	0.0794	0.1923	0.2291	0.0591	0.0196	0.0234
%RSD		2.3	36.1450	11.4758	94.2587	92.2693	10.4674	4.2081	4.4200
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:07	103.1%	0.0026	0.0061	0.0495	0.0441	0.0512	101.9%	0.1639
2	14:29:06	105.5%	0.0035	0.0026	0.0438	0.0548	0.0419	105.6%	0.1560
3	14:30:05	103.9%	0.0057	0.0042	0.0641	0.0605	0.0480	107.1%	0.1442
X		104.2%	0.0039	0.0043	0.0525	0.0531	0.0470	104.9%	0.1547
σ		1.2%	0.0016	0.0018	0.0105	0.0083	0.0047	2.6%	0.0099
%RSD		1.2	41.2769	40.7832	19.9623	15.6284	10.0410	2.5	6.4191
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:07	0.1863	21.5996	21.0237	21.8054	101.1%	0.0104	0.0094	0.7498
2	14:29:06	0.1607	21.2772	21.5146	21.2657	107.6%	0.0201	0.0136	0.7034
3	14:30:05	0.1699	20.6870	21.1926	21.2097	108.6%	0.0169	0.0129	0.7289
X		0.1723	21.1879	21.2436	21.4269	105.8%	0.0158	0.0120	0.7273
σ		0.0129	0.4628	0.2494	0.3290	4.1%	0.0050	0.0022	0.0232
%RSD		7.5056	2.1841	1.1741	1.5353	3.8	31.4528	18.6166	3.1952
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:28:07	0.9027	0.8408	99.2%	0.4943				
2	14:29:06	0.8951	0.8055	105.8%	0.4870				
3	14:30:05	0.8525	0.8069	107.2%	0.4669				
X		0.8834	0.8177	104.1%	0.4827				
σ		0.0271	0.0200	4.3%	0.0142				
%RSD		3.0642	2.4480	4.1	2.9366				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:42	112.0%	24.6922	24.2132	23.6722	24.2253	23.2496	24.2784	24.4512
2	14:33:41	109.7%	24.4752	24.5199	24.2331	24.6397	21.6042	24.4427	24.2830
3	14:34:40	109.4%	23.9042	23.9915	24.2675	24.6052	22.1689	24.5744	24.4546
X		110.4%	24.3572	24.2416	24.0576	24.4901	22.3409	24.4318	24.3962
σ		1.4%	0.4070	0.2653	0.3342	0.2299	0.8361	0.1483	0.0981
%RSD		1.3	1.6711	1.0946	1.3891	0.9388	3.7423	0.6070	0.4022
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:42	25.0640	28.7949	24.8477	25.2910	24.8994	23.9744	23.6946	24.1510
2	14:33:41	24.1376	26.3155	24.7793	24.2402	24.2359	24.5472	23.9619	23.9497
3	14:34:40	24.2537	27.1126	23.9833	24.2721	24.5683	24.5893	24.4198	24.8910
X		24.4851	27.4077	24.5367	24.6011	24.5679	24.3703	24.0254	24.3306
σ		0.5047	1.2658	0.4805	0.5977	0.3317	0.3435	0.3667	0.4957
%RSD		2.0611	4.6183	1.9584	2.4295	1.3503	1.4095	1.5263	2.0372
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:42	107.6%	24.4860	28.5050	24.4270	26.7786	23.9241	24.0284	23.6410
2	14:33:41	107.8%	23.5737	25.9252	24.6359	25.2130	24.4006	24.9944	24.5305
3	14:34:40	106.6%	24.1455	25.2718	24.5666	24.6034	24.2205	24.2742	24.6641
X		107.4%	24.0684	26.5673	24.5431	25.5317	24.1817	24.4323	24.2785
σ		0.7%	0.4610	1.7096	0.1064	1.1221	0.2406	0.5020	0.5561
%RSD		0.6	1.9152	6.4349	0.4335	4.3948	0.9950	2.0549	2.2906
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:42	107.3%	24.4317	24.4125	24.0345	23.6052	23.7795	107.0%	24.3748
2	14:33:41	105.4%	24.5628	24.9386	25.0056	24.6849	25.0015	106.8%	25.0841
3	14:34:40	105.6%	24.8921	24.4590	25.3697	24.5613	24.2759	106.4%	24.6098
X		106.1%	24.6289	24.6034	24.8033	24.2838	24.3523	106.7%	24.6896
σ		1.0%	0.2372	0.2913	0.6902	0.5909	0.6146	0.3%	0.3613
%RSD		1.0	0.9632	1.1839	2.7827	2.4333	2.5237	0.3	1.4634
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:42	24.0542	23.7180	24.3625	24.1756	103.7%	24.2268	24.2289	24.3225
2	14:33:41	24.7173	24.3987	24.6890	24.6982	106.3%	24.7498	24.6488	24.6506
3	14:34:40	24.4227	24.6108	24.2352	24.7849	106.5%	24.5979	24.5212	24.7085
X		24.3981	24.2425	24.4289	24.5529	105.5%	24.5248	24.4663	24.5606
σ		0.3322	0.4665	0.2341	0.3296	1.6%	0.2691	0.2153	0.2082
%RSD		1.3617	1.9241	0.9581	1.3425	1.5	1.0971	0.8799	0.8477
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:32:42	23.9916	24.1813	102.1%	23.9535				
2	14:33:41	24.4733	24.5867	105.6%	24.5491				
3	14:34:40	24.4928	24.5714	106.5%	24.3663				
X		24.3192	24.4465	104.8%	24.2897				
σ		0.2839	0.2298	2.3%	0.3051				
%RSD		1.1674	0.9399	2.2	1.2562				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	14:42:48	104.3%	0.0061	-0.0744	-0.1833	0.0583	-2.4261	0.0001	0.0006
2	14:43:45	106.9%	-0.0007	-0.0542	-0.0878	0.0427	-2.8145	-0.0022	0.0025
3	14:44:44	107.1%	-0.0017	-0.0668	-0.0635	0.0203	-2.9034	-0.0045	-0.0020
x		106.1%	0.0012	-0.0651	-0.1115	0.0404	-2.7147	-0.0022	0.0004
σ		1.6%	0.0043	0.0102	0.0634	0.0191	0.2538	0.0023	0.0023
%RSD		1.5	349.7882	15.7284	56.8082	47.1806	9.3491	103.0574	608.1220
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	14:42:48	-0.0055	-0.5115	0.2114	0.1042	-0.0164	-0.0400	-0.4340	-0.0533
2	14:43:45	0.0019	-0.1970	-0.0863	0.0205	-0.0269	-0.0241	-0.3921	-0.0319
3	14:44:44	-0.0036	-0.9404	-0.0443	0.0111	-0.0242	-0.0312	-0.4291	-0.0454
x		-0.0024	-0.5496	0.0270	0.0453	-0.0225	-0.0318	-0.4184	-0.0435
σ		0.0038	0.3731	0.1611	0.0513	0.0054	0.0080	0.0229	0.0108
%RSD		158.6614	67.8904	597.6248	113.2033	24.1561	25.0635	5.4781	24.8816
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	14:42:48	100.5%	0.1745	-0.1032	0.3293	0.6605	0.0142	0.0158	0.0193
2	14:43:45	102.6%	0.0988	-0.6116	0.2892	0.0024	0.0360	0.0361	0.0316
3	14:44:44	104.9%	0.1989	-0.5721	-0.2718	0.4060	0.0472	0.0348	0.0305
x		102.7%	0.1574	-0.4290	0.1156	0.3563	0.0324	0.0289	0.0272
σ		2.2%	0.0522	0.2828	0.3361	0.3319	0.0168	0.0114	0.0068
%RSD		2.1	33.1710	65.9194	290.8304	93.1489	51.7542	39.4703	25.0306
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	14:42:48	99.4%	0.0010	0.0022	-0.0015	-0.0007	0.0027	99.0%	0.0002
2	14:43:45	99.8%	0.0032	0.0056	0.0007	0.0035	-0.0000	103.2%	0.0008
3	14:44:44	103.7%	0.0025	0.0032	-0.0015	-0.0007	-0.0000	103.5%	0.0002
x		101.0%	0.0022	0.0036	-0.0007	0.0007	0.0009	101.9%	0.0004
σ		2.4%	0.0011	0.0017	0.0012	0.0024	0.0016	2.5%	0.0004
%RSD		2.3	51.1012	47.9508	165.1894	353.6652	178.7898	2.5	86.2157
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	14:42:48	0.0006	0.0039	0.0049	0.0072	98.0%	-0.0028	-0.0036	0.0043
2	14:43:45	0.0005	-0.0075	-0.0112	0.0018	102.8%	-0.0008	-0.0017	0.0014
3	14:44:44	0.0005	-0.0014	0.0124	-0.0055	105.5%	0.0047	0.0013	0.0050
x		0.0005	-0.0017	0.0020	0.0012	102.1%	0.0004	-0.0013	0.0036
σ		0.0001	0.0057	0.0121	0.0063	3.8%	0.0039	0.0025	0.0019
%RSD		12.8261	339.6784	592.2332	539.3504	3.7	1082.3080	186.7145	53.3542
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	14:42:48	0.0015	0.0047	96.3%	-0.0018				
2	14:43:45	-0.0040	-0.0004	101.8%	0.0005				
3	14:44:44	-0.0000	0.0026	105.1%	-0.0014				
x		-0.0009	0.0023	101.1%	-0.0009				
σ		0.0028	0.0026	4.4%	0.0012				
%RSD		332.9126	113.6308	4.4	135.6766				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:16	105.0%	-0.0017	1.1076	-0.1818	0.0878	-2.3797	0.0564	0.0032
2	14:48:15	106.5%	-0.0030	1.1612	-0.0622	0.0679	-2.8606	0.0467	-0.0075
3	14:49:14	106.0%	-0.0020	1.1172	-0.0711	0.0481	-2.7902	0.0626	-0.0022
x		105.8%	-0.0022	1.1287	-0.1050	0.0680	-2.6768	0.0552	-0.0022
σ		0.8%	0.0007	0.0285	0.0666	0.0198	0.2598	0.0080	0.0053
%RSD		0.7	29.9393	2.5289	63.4250	29.2022	9.7041	14.4881	245.5150
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:16	0.0232	1.1039	0.2193	0.2767	0.2011	0.9218	0.7263	0.9498
2	14:48:15	0.0482	0.1812	0.0194	0.1601	0.1483	0.9411	0.7832	0.9144
3	14:49:14	0.0194	-0.5159	0.1100	0.1656	0.1574	0.9600	0.5261	0.8933
x		0.0303	0.2564	0.1162	0.2008	0.1690	0.9410	0.6785	0.9192
σ		0.0156	0.8125	0.1001	0.0658	0.0282	0.0191	0.1351	0.0286
%RSD		51.6240	316.8754	86.1062	32.7575	16.7025	2.0257	19.9062	3.1064
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:16	100.3%	-0.1803	-0.1009	0.0438	-0.6278	0.0049	0.0040	0.0091
2	14:48:15	101.9%	0.1667	-0.3147	0.0464	0.5147	0.0084	0.0182	0.0133
3	14:49:14	103.7%	-0.0645	-0.5170	0.0979	-0.4039	0.0103	0.0039	0.0101
x		101.9%	-0.0260	-0.3109	0.0627	-0.1723	0.0079	0.0087	0.0108
σ		1.7%	0.1767	0.2081	0.0305	0.6054	0.0027	0.0082	0.0022
%RSD		1.7	678.5852	66.9330	48.6808	351.3320	34.3971	95.0865	20.0973
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:16	99.0%	-0.0002	0.0010	0.0007	0.0004	0.0036	99.5%	0.0022
2	14:48:15	102.3%	0.0026	0.0009	0.0007	0.0035	0.0008	102.1%	0.0002
3	14:49:14	100.5%	0.0004	0.0010	-0.0015	-0.0007	0.0026	102.4%	0.0027
x		100.6%	0.0009	0.0010	-0.0000	0.0010	0.0023	101.3%	0.0017
σ		1.6%	0.0015	0.0000	0.0012	0.0022	0.0014	1.6%	0.0013
%RSD		1.6	158.1655	1.8385	8247.6615	208.3087	59.0116	1.6	78.0273
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:16	0.0006	0.0274	0.0624	0.0492	98.5%	-0.0057	-0.0016	0.0135
2	14:48:15	0.0037	0.0551	0.0503	0.0529	103.1%	-0.0077	-0.0063	0.0076
3	14:49:14	0.0021	0.0252	0.0500	0.0586	103.7%	-0.0078	-0.0028	0.0114
x		0.0021	0.0359	0.0542	0.0535	101.7%	-0.0071	-0.0036	0.0108
σ		0.0016	0.0166	0.0071	0.0048	2.8%	0.0012	0.0024	0.0030
%RSD		74.1865	46.2958	13.0710	8.8965	2.8	16.6052	67.6562	27.3960
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:47:16	0.0120	0.0145	98.3%	-0.0012				
2	14:48:15	0.0146	0.0098	102.7%	0.0007				
3	14:49:14	0.0112	0.0124	103.3%	-0.0017				
x		0.0126	0.0122	101.5%	-0.0007				
σ		0.0017	0.0024	2.8%	0.0013				
%RSD		13.8288	19.3565	2.7	182.8943				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:49	108.1%	-0.0001	5.7883	0.0236	0.1355	-2.3227	1.4285	0.1391
2	14:52:48	112.4%	0.0053	5.5802	0.0158	0.1045	-2.6608	1.3711	0.1165
3	14:53:47	111.9%	-0.0049	5.5489	-0.0388	0.1039	-2.6169	1.4046	0.1102
x		110.8%	0.0001	5.6392	0.0002	0.1146	-2.5335	1.4014	0.1219
σ		2.3%	0.0051	0.1301	0.0340	0.0181	0.1839	0.0288	0.0152
%RSD		2.1	4400.1752	2.3074	15961.4330	15.7673	7.2574	2.0572	12.4747
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:49	0.8931	15.8063	0.5493	0.4000	0.4023	1.1901	1.2427	1.5341
2	14:52:48	0.7786	13.0360	0.5249	0.4419	0.3895	1.2500	1.6218	1.6057
3	14:53:47	0.7386	10.1516	0.4550	0.3321	0.3429	1.1905	1.3107	1.5769
x		0.8034	12.9979	0.5097	0.3913	0.3783	1.2102	1.3917	1.5723
σ		0.0802	2.8275	0.0490	0.0554	0.0313	0.0345	0.2021	0.0360
%RSD		9.9823	21.7538	9.6042	14.1600	8.2661	2.8487	14.5243	2.2902
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:49	104.5%	0.3631	0.2999	0.3673	0.5410	0.6932	0.6530	0.6336
2	14:52:48	109.0%	0.2568	0.2498	0.1244	0.0104	0.5872	0.7165	0.6127
3	14:53:47	107.3%	0.5593	-0.0613	0.1854	0.8587	0.6397	0.7301	0.6391
x		107.0%	0.3931	0.1628	0.2257	0.4700	0.6400	0.6999	0.6285
σ		2.3%	0.1535	0.1957	0.1264	0.4286	0.0530	0.0412	0.0139
%RSD		2.2	39.0400	120.2219	55.9984	91.1830	8.2855	5.8847	2.2196
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:49	103.1%	0.0014	0.0004	0.0155	0.0221	0.0181	102.7%	0.1376
2	14:52:48	106.4%	0.0013	0.0031	0.0148	0.0173	0.0257	106.7%	0.1569
3	14:53:47	104.8%	0.0019	0.0042	0.0190	0.0194	0.0249	106.7%	0.1618
x		104.8%	0.0016	0.0026	0.0164	0.0196	0.0229	105.4%	0.1521
σ		1.7%	0.0003	0.0020	0.0023	0.0024	0.0042	2.3%	0.0128
%RSD		1.6	19.3825	77.2337	13.7404	12.3597	18.2394	2.2	8.3911
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:49	0.1551	20.7909	21.1875	20.7819	100.5%	0.0077	0.0085	0.0318
2	14:52:48	0.1607	20.3324	20.2530	20.3992	107.7%	0.0085	0.0113	0.0281
3	14:53:47	0.1622	20.4121	20.8707	20.6433	107.9%	0.0078	0.0082	0.0287
x		0.1594	20.5118	20.7704	20.6081	105.4%	0.0080	0.0093	0.0295
σ		0.0037	0.2450	0.4753	0.1938	4.2%	0.0004	0.0017	0.0020
%RSD		2.3490	1.1944	2.2883	0.9402	4.0	5.3636	17.9047	6.6915
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:51:49	0.0489	0.0405	100.6%	0.4822				
2	14:52:48	0.0333	0.0328	105.6%	0.4704				
3	14:53:47	0.0431	0.0394	107.4%	0.4742				
x		0.0418	0.0375	104.5%	0.4756				
σ		0.0079	0.0042	3.5%	0.0060				
%RSD		18.8980	11.1229	3.4	1.2649				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	113.6%	0.0010	0.5237	-0.1039	0.1235	-2.6893	0.4587	0.2723
2	14:57:21	116.5%	0.0052	0.5062	-0.2416	0.1199	-2.6196	0.4436	0.2405
3	14:58:20	115.3%	-0.0015	0.5202	-0.0359	0.0918	-3.1673	0.4489	0.2449
X		115.1%	0.0015	0.5167	-0.1271	0.1117	-2.8254	0.4504	0.2526
σ		1.4%	0.0034	0.0092	0.1048	0.0174	0.2981	0.0076	0.0172
%RSD		1.3	219.2980	1.7856	82.4127	15.5707	10.5525	1.6936	6.8235
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	0.0341	0.0033	0.1231	0.1836	0.0892	0.3070	-0.0982	0.2524
2	14:57:21	0.0259	-0.7428	0.0718	0.1444	0.0651	0.3093	-0.0673	0.3004
3	14:58:20	0.0446	-1.7419	0.0718	0.0885	0.0769	0.3113	0.0915	0.2616
X		0.0349	-0.8272	0.0889	0.1388	0.0771	0.3092	-0.0247	0.2714
σ		0.0094	0.8756	0.0296	0.0478	0.0120	0.0022	0.1018	0.0255
%RSD		27.0139	105.8616	33.3195	34.4364	15.6386	0.7019	412.9906	9.3878
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	109.0%	0.1873	-0.2164	0.1844	0.7155	0.0079	0.0089	0.0104
2	14:57:21	111.3%	0.0828	-0.6407	-0.0133	-0.0164	0.0175	-0.0020	0.0121
3	14:58:20	111.5%	0.2063	-0.4596	-0.4833	0.4833	0.0209	0.0166	0.0214
X		110.6%	0.1588	-0.4389	-0.1041	0.3942	0.0154	0.0078	0.0147
σ		1.4%	0.0665	0.2129	0.3429	0.3740	0.0068	0.0093	0.0059
%RSD		1.3	41.8899	48.5049	329.5632	94.8846	43.8275	118.9196	40.2506
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	108.2%	0.0013	0.0009	-0.0015	0.0033	-0.0009	107.2%	0.0658
2	14:57:21	112.2%	-0.0003	0.0003	-0.0015	-0.0007	-0.0009	109.7%	0.0582
3	14:58:20	111.0%	0.0023	0.0024	-0.0015	0.0041	-0.0009	111.1%	0.0634
X		110.5%	0.0011	0.0012	-0.0015	0.0022	-0.0009	109.4%	0.0624
σ		2.0%	0.0013	0.0011	0.0000	0.0026	0.0000	2.0%	0.0039
%RSD		1.8	118.7642	89.4643	0.0000	115.8624	0.0000	1.8	6.2124
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	0.0636	0.0077	0.0102	0.0052	102.9%	0.0003	-0.0056	0.0066
2	14:57:21	0.0559	-0.0213	0.0143	0.0089	107.9%	0.0014	-0.0060	0.0042
3	14:58:20	0.0692	-0.0062	0.0157	0.0050	108.7%	-0.0060	-0.0038	0.0092
X		0.0629	-0.0066	0.0134	0.0064	106.5%	-0.0014	-0.0051	0.0067
σ		0.0067	0.0145	0.0029	0.0022	3.1%	0.0040	0.0012	0.0025
%RSD		10.5827	219.7908	21.4081	34.6236	2.9	278.7447	23.0279	37.2468
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:56:22	0.0064	0.0084	101.8%	-0.0006				
2	14:57:21	0.0045	0.0076	106.5%	-0.0021				
3	14:58:20	0.0086	0.0057	108.2%	-0.0016				
X		0.0065	0.0072	105.5%	-0.0014				
σ		0.0020	0.0014	3.3%	0.0008				
%RSD		31.2140	19.0113	3.1	55.4202				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:56	112.9%	-0.0028	0.0321	-0.2262	0.0402	-2.6365	0.0161	0.0015
2	15:01:54	113.5%	-0.0016	0.0828	-0.0519	0.0110	-3.1555	0.0150	-0.0046
3	15:02:53	113.9%	-0.0061	0.0866	-0.1170	0.0380	-3.0337	0.0065	-0.0053
X		113.4%	-0.0035	0.0672	-0.1317	0.0298	-2.9419	0.0125	-0.0028
σ		0.5%	0.0023	0.0305	0.0881	0.0163	0.2714	0.0052	0.0037
%RSD		0.4	65.8700	45.3639	66.8626	54.6400	9.2249	41.6638	135.2408
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:56	0.0109	-0.4060	0.0441	0.1032	-0.0147	-0.0079	-0.2494	-0.0336
2	15:01:54	-0.0044	-0.1643	0.1105	0.0030	-0.0058	0.0041	-0.3246	-0.0170
3	15:02:53	0.0006	-0.6825	0.0103	0.0119	-0.0042	-0.0009	-0.2290	-0.0042
X		0.0024	-0.4176	0.0549	0.0393	-0.0083	-0.0016	-0.2677	-0.0183
σ		0.0078	0.2593	0.0509	0.0555	0.0057	0.0060	0.0504	0.0148
%RSD		331.7269	62.0864	92.7253	141.0021	68.4760	385.5256	18.8169	80.7271
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:56	105.9%	0.2449	-0.2929	-0.0509	0.8260	0.0011	0.0118	0.0053
2	15:01:54	110.3%	0.1332	-0.6824	-0.0394	0.0443	0.0078	0.0115	0.0072
3	15:02:53	108.3%	0.0546	-0.2606	0.2571	0.2354	0.0044	0.0142	0.0052
X		108.2%	0.1442	-0.4120	0.0556	0.3686	0.0044	0.0125	0.0059
σ		2.2%	0.0956	0.2347	0.1746	0.4075	0.0033	0.0015	0.0012
%RSD		2.0	66.2807	56.9792	314.0046	110.5584	75.1625	11.9801	19.7256
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:56	107.5%	0.0008	0.0015	0.0006	0.0003	-0.0000	105.6%	0.0199
2	15:01:54	109.2%	-0.0003	-0.0002	-0.0015	0.0003	-0.0009	108.1%	0.0218
3	15:02:53	109.4%	0.0023	0.0009	-0.0015	0.0003	0.0008	108.0%	0.0242
X		108.7%	0.0010	0.0007	-0.0008	0.0003	-0.0001	107.2%	0.0220
σ		1.1%	0.0013	0.0008	0.0012	0.0000	0.0008	1.4%	0.0021
%RSD		1.0	137.4688	117.4856	153.0617	4.4196	1339.5450	1.3	9.7770
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:56	0.0236	-0.0013	0.0199	0.0086	101.3%	-0.0012	-0.0050	0.0005
2	15:01:54	0.0169	0.0196	0.0078	0.0076	106.2%	-0.0029	-0.0034	0.0055
3	15:02:53	0.0260	0.0007	0.0113	0.0085	106.9%	-0.0063	-0.0045	0.0039
X		0.0222	0.0063	0.0130	0.0082	104.8%	-0.0035	-0.0043	0.0033
σ		0.0047	0.0115	0.0062	0.0006	3.0%	0.0026	0.0008	0.0026
%RSD		21.1480	182.3854	47.7657	6.9370	2.9	74.9632	19.6163	78.3075
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:00:56	0.0020	0.0013	100.9%	0.0006				
2	15:01:54	0.0007	0.0029	106.9%	0.0018				
3	15:02:53	-0.0013	0.0029	106.5%	-0.0011				
X		0.0005	0.0024	104.8%	0.0004				
σ		0.0017	0.0009	3.3%	0.0014				
%RSD		374.3702	37.9246	3.2	350.9789				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:27	108.1%	19.9481	20.0950	19.2839	19.2658	15.5829	19.4396	19.7872
2	15:06:24	109.0%	19.1091	20.0209	18.8680	19.0045	15.5273	19.4603	19.2083
3	15:07:21	106.8%	19.1933	20.2092	19.4548	19.6571	15.9478	19.5182	19.3785
X		108.0%	19.4168	20.1084	19.2023	19.3091	15.6860	19.4727	19.4580
σ		1.1%	0.4620	0.0949	0.3018	0.3285	0.2285	0.0407	0.2975
%RSD		1.0	2.3792	0.4717	1.5717	1.7011	1.4565	0.2090	1.5292
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:27	20.3357	19.2513	19.8028	19.8983	20.3272	19.9743	18.7746	19.2074
2	15:06:24	19.8455	22.2987	19.3980	19.5127	19.3085	20.1428	19.7175	20.2031
3	15:07:21	19.5662	21.1033	19.4624	19.5380	18.9343	19.6093	20.2846	19.4306
X		19.9158	20.8844	19.5544	19.6497	19.5233	19.9088	19.5923	19.6137
σ		0.3896	1.5354	0.2175	0.2157	0.7209	0.2727	0.7627	0.5225
%RSD		1.9561	7.3519	1.1124	1.0976	3.6923	1.3699	3.8930	2.6640
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:27	105.2%	18.1083	20.8900	19.8490	19.0821	19.5177	19.8263	19.2251
2	15:06:24	105.1%	18.7618	18.3588	19.5576	18.7952	19.5064	19.0829	19.5342
3	15:07:21	104.2%	18.2406	20.5406	18.6797	19.2207	19.4933	19.8376	19.3217
X		104.8%	18.3703	19.9298	19.3621	19.0327	19.5058	19.5822	19.3603
σ		0.6%	0.3455	1.3717	0.6086	0.2170	0.0122	0.4325	0.1581
%RSD		0.5	1.8808	6.8825	3.1435	1.1402	0.0627	2.2086	0.8168
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:27	103.8%	18.2945	18.5868	19.1964	18.3519	18.9696	102.2%	19.6177
2	15:06:24	103.8%	18.3412	18.0805	19.1924	18.4648	19.1386	104.5%	19.6358
3	15:07:21	103.5%	18.4021	18.5676	19.5613	18.2462	18.8477	105.0%	19.6928
X		103.7%	18.3459	18.4116	19.3167	18.3543	18.9853	103.9%	19.6488
σ		0.2%	0.0539	0.2869	0.2119	0.1093	0.1461	1.5%	0.0392
%RSD		0.2	0.2940	1.5584	1.0968	0.5956	0.7694	1.4	0.1993
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:27	19.1043	19.9335	19.6438	19.8383	100.0%	19.7504	19.6020	19.6057
2	15:06:24	19.3249	19.7580	19.5962	19.6488	104.9%	19.1809	19.1301	19.4554
3	15:07:21	19.5637	19.9310	19.4487	19.6578	104.8%	19.2734	19.2409	19.4801
X		19.3310	19.8742	19.5629	19.7150	103.2%	19.4016	19.3243	19.5137
σ		0.2297	0.1006	0.1017	0.1069	2.8%	0.3057	0.2467	0.0806
%RSD		1.1884	0.5063	0.5198	0.5421	2.7	1.5754	1.2768	0.4130
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:05:27	19.6173	19.6726	99.8%	19.6329				
2	15:06:24	19.3171	19.2651	104.2%	19.3064				
3	15:07:21	19.2498	19.3826	104.6%	19.5696				
X		19.3947	19.4401	102.9%	19.5030				
σ		0.1956	0.2097	2.7%	0.1731				
%RSD		1.0088	1.0787	2.6	0.8877				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:10:54	94.7%	0.0086	60.1937	0.7586	0.4149	-0.3338	324.7906	0.3749
2	15:11:53	92.9%	0.0032	61.9868	0.8330	0.3851	-0.3729	320.0865	0.3620
3	15:12:52	93.9%	0.0014	58.9097	0.7220	0.3866	-0.2373	327.1543	0.3508
x		93.8%	0.0044	60.3634	0.7712	0.3955	-0.3147	324.0104	0.3626
σ		0.9%	0.0037	1.5455	0.0566	0.0168	0.0698	3.5979	0.0121
%RSD		0.9	85.3875	2.5604	7.3345	4.2401	22.1749	1.1104	3.3358
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:10:54	8.3632	24.7021	7.7228	4.3811	4.2226	32.1440	29.8368	31.1395
2	15:11:53	8.1216	21.2801	7.6613	4.3670	4.2551	31.4371	29.4337	30.6890
3	15:12:52	8.1354	21.2410	7.7325	4.2538	4.2261	32.0963	28.2345	31.7134
x		8.2067	22.4077	7.7056	4.3340	4.2346	31.8925	29.1684	31.1806
σ		0.1357	1.9871	0.0386	0.0698	0.0178	0.3951	0.8335	0.5134
%RSD		1.6538	8.8679	0.5013	1.6096	0.4206	1.2388	2.8574	1.6466
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:10:54	94.0%	1.2383	0.2265	0.1392	0.2137	0.7019	0.7693	0.6958
2	15:11:53	94.3%	1.3725	0.8161	0.1526	0.6985	0.7518	0.7206	0.6896
3	15:12:52	92.9%	1.4890	0.9480	0.3381	1.1201	0.6848	0.7447	0.7150
x		93.8%	1.3666	0.6635	0.2100	0.6774	0.7128	0.7449	0.7001
σ		0.7%	0.1255	0.3841	0.1112	0.4536	0.0348	0.0243	0.0132
%RSD		0.8	9.1820	57.8937	52.9511	66.9577	4.8802	3.2627	1.8919
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:10:54	91.9%	0.0104	0.0068	0.0337	0.0177	0.0296	92.9%	0.2790
2	15:11:53	91.5%	0.0048	0.0049	0.0219	0.0325	0.0295	93.5%	0.2456
3	15:12:52	91.1%	0.0042	0.0061	0.0219	0.0301	0.0387	94.1%	0.2680
x		91.5%	0.0065	0.0059	0.0259	0.0268	0.0326	93.5%	0.2642
σ		0.4%	0.0034	0.0010	0.0068	0.0080	0.0053	0.6%	0.0171
%RSD		0.5	52.2196	16.3703	26.4054	29.7179	16.2963	0.6	6.4541
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:10:54	0.2308	10.7616	11.4300	11.0735	94.9%	-0.0011	-0.0019	0.5479
2	15:11:53	0.2520	11.0084	11.3202	11.1763	97.2%	-0.0001	-0.0008	0.5451
3	15:12:52	0.2348	11.7701	11.3118	11.2662	98.8%	0.0022	-0.0012	0.5291
x		0.2392	11.1800	11.3540	11.1720	97.0%	0.0003	-0.0013	0.5407
σ		0.0113	0.5257	0.0660	0.0964	1.9%	0.0017	0.0006	0.0101
%RSD		4.7104	4.7021	0.5810	0.8631	2.0	475.9500	43.4322	1.8744
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:10:54	0.6005	0.5815	94.5%	0.0177				
2	15:11:53	0.6346	0.5911	98.9%	0.0181				
3	15:12:52	0.6448	0.5849	100.0%	0.0184				
x		0.6266	0.5858	97.8%	0.0181				
σ		0.0232	0.0048	2.9%	0.0003				
%RSD		3.7016	0.8269	3.0	1.7461				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:28	92.6%	0.0044	98.5311	0.8852	0.5259	-0.1123	326.7225	0.3880
2	15:16:27	91.6%	0.0025	100.8684	0.8225	0.4905	-0.1230	325.7014	0.3795
3	15:17:26	91.0%	0.0098	99.1239	0.8487	0.4915	-0.1186	325.0248	0.3596
X		91.7%	0.0056	99.5078	0.8521	0.5027	-0.1179	325.8162	0.3757
σ		0.8%	0.0038	1.2150	0.0315	0.0201	0.0054	0.8547	0.0146
%RSD		0.9	68.2179	1.2211	3.6914	4.0054	4.5616	0.2623	3.8754
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:28	7.9540	24.2145	8.2361	4.3771	4.5955	32.5610	30.4646	31.3926
2	15:16:27	7.9773	24.7477	8.0324	4.4735	4.3354	31.5872	30.7606	32.1167
3	15:17:26	8.5083	19.4368	7.7919	4.2185	4.4996	32.8316	30.3397	32.1936
X		8.1465	22.7996	8.0201	4.3564	4.4768	32.3266	30.5216	31.9010
σ		0.3135	2.9245	0.2223	0.1288	0.1316	0.6545	0.2161	0.4420
%RSD		3.8484	12.8270	2.7723	2.9566	2.9385	2.0246	0.7082	1.3854
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:28	93.0%	1.3982	0.4011	0.4279	0.1016	0.7007	0.6813	0.6904
2	15:16:27	93.4%	1.4969	0.3455	0.3009	0.6670	0.6280	0.7236	0.7125
3	15:17:26	92.9%	1.2253	1.0579	0.5451	0.4791	0.7757	0.7085	0.8021
X		93.1%	1.3735	0.6015	0.4246	0.4159	0.7014	0.7045	0.7350
σ		0.3%	0.1375	0.3962	0.1222	0.2879	0.0739	0.0214	0.0592
%RSD		0.3	10.0083	65.8778	28.7678	69.2290	10.5314	3.0438	8.0538
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:28	91.4%	0.0042	0.0068	0.0409	0.0339	0.0440	92.8%	0.2748
2	15:16:27	90.3%	0.0036	0.0068	0.0337	0.0336	0.0265	94.1%	0.2819
3	15:17:26	90.7%	0.0030	0.0036	0.0404	0.0437	0.0244	94.7%	0.2616
X		90.8%	0.0036	0.0057	0.0383	0.0371	0.0316	93.9%	0.2728
σ		0.6%	0.0006	0.0018	0.0040	0.0057	0.0108	1.0%	0.0103
%RSD		0.7	17.1197	32.2588	10.5533	15.4268	33.9815	1.1	3.7672
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:28	0.2315	11.2808	11.5099	11.4430	96.1%	-0.0024	-0.0010	0.6084
2	15:16:27	0.2470	11.3830	11.1395	11.3897	97.9%	0.0007	0.0002	0.6120
3	15:17:26	0.2676	11.1686	11.3454	11.3901	98.1%	-0.0055	-0.0033	0.6272
X		0.2487	11.2775	11.3316	11.4076	97.4%	-0.0024	-0.0014	0.6159
σ		0.0181	0.1072	0.1856	0.0307	1.1%	0.0031	0.0018	0.0100
%RSD		7.2925	0.9510	1.6378	0.2690	1.1	126.5985	131.6019	1.6186
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:15:28	0.6446	0.6230	95.0%	0.0143				
2	15:16:27	0.6756	0.6284	98.5%	0.0161				
3	15:17:26	0.6450	0.6440	99.5%	0.0174				
X		0.6551	0.6318	97.7%	0.0159				
σ		0.0178	0.0109	2.3%	0.0016				
%RSD		2.7150	1.7310	2.4	9.7342				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:01	90.2%	19.8836	124.1633	20.1298	19.7238	18.8385	353.9390	19.9367
2	15:21:00	90.6%	18.7361	120.0053	19.5276	19.0741	17.4480	337.3617	19.1363
3	15:21:59	90.9%	18.5199	119.6534	18.8521	19.0925	18.5515	337.9282	18.8377
X		90.5%	19.0465	121.2740	19.5032	19.2968	18.2794	343.0763	19.3035
σ		0.4%	0.7330	2.5084	0.6392	0.3699	0.7341	9.4116	0.5682
%RSD		0.4	3.8483	2.0684	3.2773	1.9170	4.0160	2.7433	2.9437
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:01	27.8240	47.1682	27.7945	24.2219	23.8284	52.6266	49.9165	51.4965
2	15:21:00	25.7755	41.6271	25.6383	22.4691	22.9876	50.3901	49.5643	50.5451
3	15:21:59	25.8814	38.7490	25.7629	22.5555	23.1241	51.7435	48.8146	49.5560
X		26.4936	42.5148	26.3985	23.0821	23.3134	51.5867	49.4318	50.5325
σ		1.1534	4.2792	1.2105	0.9880	0.4512	1.1264	0.5628	0.9703
%RSD		4.3534	10.0653	4.5856	4.2802	1.9355	2.1836	1.1386	1.9202
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:01	89.3%	20.7153	23.6887	20.3461	21.2103	20.0247	20.4356	20.2119
2	15:21:00	91.8%	19.2740	21.5797	20.1251	18.7666	20.0587	20.0469	19.7752
3	15:21:59	92.3%	20.1456	20.3507	18.9944	20.4486	19.6855	19.9477	19.7417
X		91.1%	20.0450	21.8730	19.8219	20.1418	19.9230	20.1434	19.9096
σ		1.6%	0.7259	1.6883	0.7251	1.2504	0.2064	0.2578	0.2623
%RSD		1.8	3.6214	7.7184	3.6580	6.2079	1.0359	1.2800	1.3175
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:01	88.6%	18.2192	18.1742	19.5094	18.5078	19.2219	90.1%	19.9619
2	15:21:00	90.1%	17.5364	17.5831	19.7118	18.1651	18.9594	93.2%	19.6989
3	15:21:59	90.4%	17.4620	17.5440	19.1126	18.1958	18.5420	94.4%	19.3749
X		89.7%	17.7392	17.7671	19.4446	18.2896	18.9078	92.5%	19.6785
σ		1.0%	0.4173	0.3531	0.3048	0.1896	0.3429	2.2%	0.2940
%RSD		1.1	2.3527	1.9874	1.5677	1.0368	1.8134	2.4	1.4943
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:01	19.7906	30.8196	30.5568	30.9984	92.5%	19.1408	19.2412	19.9090
2	15:21:00	19.3693	30.8590	29.8299	30.2322	96.8%	18.8299	18.6458	19.5889
3	15:21:59	19.0246	30.1395	29.7471	29.9479	98.4%	18.6214	18.6359	19.3473
X		19.3948	30.6061	30.0446	30.3929	95.9%	18.8640	18.8410	19.6151
σ		0.3837	0.4045	0.4455	0.5433	3.0%	0.2614	0.3466	0.2818
%RSD		1.9782	1.3217	1.4829	1.7877	3.2	1.3856	1.8397	1.4366
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:20:01	19.8195	19.8178	93.7%	19.5185				
2	15:21:00	19.5429	19.5377	98.5%	19.3132				
3	15:21:59	19.5180	19.4541	99.4%	19.0603				
X		19.6268	19.6032	97.2%	19.2973				
σ		0.1674	0.1905	3.1%	0.2295				
%RSD		0.8528	0.9717	3.2	1.1894				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:33	90.2%	0.0102	89.2358	0.9253	0.4735	0.1007	353.5819	0.3715
2	15:26:30	90.7%	0.0155	85.8106	1.0325	0.3867	-0.7390	349.4531	0.3429
3	15:27:29	90.9%	0.0011	86.3748	0.9354	0.3894	-0.2776	352.5572	0.3626
X		90.6%	0.0089	87.1404	0.9644	0.4166	-0.3053	351.8641	0.3590
σ		0.4%	0.0073	1.8365	0.0592	0.0494	0.4206	2.1499	0.0146
%RSD		0.4	81.6856	2.1075	6.1380	11.8491	137.7518	0.6110	4.0800
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:33	1.2623	14.9982	0.9902	2.1116	2.0992	14.8482	14.5927	14.6764
2	15:26:30	1.0853	13.8731	0.9796	2.0873	1.9484	14.9114	13.8061	14.4965
3	15:27:29	1.1094	13.5375	0.9469	1.9232	2.0067	15.1080	13.6205	14.6034
X		1.1524	14.1362	0.9722	2.0407	2.0181	14.9559	14.0064	14.5921
σ		0.0960	0.7651	0.0226	0.1025	0.0761	0.1355	0.5161	0.0905
%RSD		8.3320	5.4125	2.3212	5.0222	3.7685	0.9061	3.6847	0.6201
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:33	89.7%	1.4196	0.3379	0.6969	0.8415	0.6507	0.7119	0.7132
2	15:26:30	92.0%	1.2220	0.9138	0.2209	0.4066	0.6566	0.7402	0.7303
3	15:27:29	89.9%	1.1021	0.8391	0.1509	0.4887	0.5889	0.7633	0.6944
X		90.6%	1.2479	0.6969	0.3562	0.5789	0.6320	0.7384	0.7127
σ		1.3%	0.1603	0.3132	0.2971	0.2311	0.0375	0.0257	0.0179
%RSD		1.4	12.8454	44.9359	83.3906	39.9112	5.9294	3.4857	2.5152
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:33	88.4%	0.0070	0.0057	0.0276	0.0278	0.0453	90.2%	0.2010
2	15:26:30	89.5%	0.0093	0.0056	0.0245	0.0339	0.0324	93.5%	0.2121
3	15:27:29	89.0%	0.0075	0.0049	0.0316	0.0316	0.0276	93.6%	0.2252
X		89.0%	0.0079	0.0054	0.0279	0.0311	0.0351	92.5%	0.2128
σ		0.6%	0.0012	0.0004	0.0036	0.0031	0.0092	1.9%	0.0121
%RSD		0.7	15.5402	7.5784	12.7806	9.8667	26.0984	2.1	5.6855
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:33	0.2150	11.3465	11.6337	11.4434	92.6%	-0.0040	-0.0018	0.6153
2	15:26:30	0.2250	11.3673	11.5323	11.3096	95.1%	-0.0013	-0.0048	0.6002
3	15:27:29	0.2163	11.2336	11.3315	11.2942	97.8%	0.0062	0.0010	0.6183
X		0.2188	11.3158	11.4992	11.3490	95.2%	0.0003	-0.0019	0.6113
σ		0.0054	0.0719	0.1538	0.0820	2.6%	0.0053	0.0029	0.0097
%RSD		2.4794	0.6356	1.3374	0.7228	2.7	1746.8643	155.6955	1.5830
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:25:33	0.6536	0.6495	92.4%	0.0174				
2	15:26:30	0.6719	0.6540	96.3%	0.0197				
3	15:27:29	0.6595	0.6443	98.6%	0.0172				
X		0.6617	0.6493	95.8%	0.0181				
σ		0.0093	0.0048	3.2%	0.0014				
%RSD		1.4108	0.7449	3.3	7.7618				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:05	90.2%	0.0052	50.3954	0.6561	0.4280	0.2352	326.8571	0.3977
2	15:31:04	89.3%	0.0026	49.8787	0.5873	0.3556	0.0255	325.7376	0.3780
3	15:32:02	87.6%	0.0014	49.4395	0.6317	0.4045	0.0733	324.0743	0.3631
x		89.1%	0.0031	49.9045	0.6250	0.3960	0.1113	325.5563	0.3796
σ		1.3%	0.0019	0.4784	0.0348	0.0369	0.1099	1.4002	0.0173
%RSD		1.5	62.7745	0.9587	5.5755	9.3203	98.7173	0.4301	4.5640
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:05	1.1732	18.5142	1.0669	2.5612	2.4735	18.7556	18.0870	18.6836
2	15:31:04	1.1237	15.8016	1.0117	2.2495	2.2932	18.4474	17.1946	18.2803
3	15:32:02	0.9640	10.9767	0.9973	2.1572	2.2436	18.2056	18.1429	18.4542
x		1.0870	15.0975	1.0253	2.3226	2.3367	18.4696	17.8082	18.4727
σ		0.1093	3.8178	0.0368	0.2117	0.1210	0.2757	0.5321	0.2023
%RSD		10.0577	25.2875	3.5883	9.1147	5.1776	1.4927	2.9878	1.0950
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:05	89.3%	1.1813	1.0839	0.5358	0.3362	0.8001	0.7387	0.7468
2	15:31:04	90.6%	1.2527	0.6107	0.1796	0.4113	0.7537	0.7527	0.8000
3	15:32:02	90.2%	1.3788	0.1638	0.2456	0.4500	0.7171	0.7796	0.8236
x		90.0%	1.2709	0.6195	0.3203	0.3992	0.7570	0.7570	0.7901
σ		0.6%	0.1000	0.4601	0.1895	0.0579	0.0416	0.0208	0.0394
%RSD		0.7	7.8691	74.2772	59.1630	14.4934	5.4985	2.7434	4.9815
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:05	87.0%	0.0019	0.0025	0.0281	0.0415	0.0320	88.9%	0.2299
2	15:31:04	87.6%	0.0070	0.0037	0.0300	0.0513	0.0401	91.1%	0.2427
3	15:32:02	88.5%	0.0044	0.0050	0.0437	0.0446	0.0307	92.8%	0.2573
x		87.7%	0.0044	0.0037	0.0339	0.0458	0.0343	90.9%	0.2433
σ		0.8%	0.0025	0.0013	0.0086	0.0050	0.0051	1.9%	0.0137
%RSD		0.9	57.3847	33.6347	25.2088	10.9538	14.7737	2.1	5.6352
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:05	0.2397	10.9044	11.0668	11.0210	92.5%	-0.0048	-0.0003	0.3914
2	15:31:04	0.2451	10.8994	10.9173	10.7581	96.1%	0.0036	-0.0011	0.3740
3	15:32:02	0.2332	10.5019	10.8832	10.8844	96.7%	-0.0028	-0.0003	0.3416
x		0.2393	10.7686	10.9558	10.8879	95.1%	-0.0013	-0.0006	0.3690
σ		0.0060	0.2310	0.0976	0.1315	2.3%	0.0044	0.0005	0.0253
%RSD		2.4974	2.1448	0.8912	1.2077	2.4	325.5119	78.3497	6.8483
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:30:05	0.3971	0.4005	92.5%	0.0130				
2	15:31:04	0.3870	0.3780	95.8%	0.0180				
3	15:32:02	0.4028	0.3808	97.3%	0.0126				
x		0.3957	0.3864	95.2%	0.0145				
σ		0.0080	0.0122	2.5%	0.0030				
%RSD		2.0271	3.1607	2.6	20.7113				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	15:34:36	92.0%	25.1918	24.2527	24.7773	24.4035	22.4905	24.7228	24.0896
2	15:35:34	95.7%	23.9800	24.1141	24.0556	24.2019	22.2553	24.2089	23.3422
3	15:36:33	97.7%	23.4259	23.7693	24.0815	24.0847	21.0048	24.4371	24.1323
X		95.1%	24.1992	24.0454	24.3048	24.2300	21.9169	24.4563	23.8547
σ		2.9%	0.9032	0.2489	0.4094	0.1613	0.7986	0.2575	0.4443
%RSD		3.0	3.7322	1.0352	1.6846	0.6655	3.6436	1.0530	1.8626
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	15:34:36	24.4878	25.9103	25.7871	24.5653	24.5604	24.5225	24.4705	24.5971
2	15:35:34	24.2690	25.9791	24.6227	24.0247	23.6337	24.2061	23.9526	24.0938
3	15:36:33	24.1858	26.3382	23.8944	24.0272	23.9911	24.7877	25.0026	23.9419
X		24.3142	26.0758	24.7681	24.2057	24.0617	24.5054	24.4752	24.2109
σ		0.1560	0.2297	0.9547	0.3114	0.4673	0.2912	0.5250	0.3430
%RSD		0.6416	0.8811	3.8545	1.2864	1.9423	1.1882	2.1452	1.4165
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	15:34:36	92.9%	24.1765	27.2480	25.5370	26.7599	24.0342	23.9414	24.1126
2	15:35:34	96.8%	23.9528	24.7039	23.7760	24.5104	24.3671	24.6356	24.3381
3	15:36:33	97.3%	23.6726	24.4213	24.4882	24.2119	23.9498	23.6240	23.7546
X		95.6%	23.9340	25.4577	24.6004	25.1607	24.1170	24.0670	24.0684
σ		2.4%	0.2525	1.5568	0.8859	1.3930	0.2207	0.5174	0.2943
%RSD		2.5	1.0548	6.1153	3.6011	5.5363	0.9149	2.1497	1.2226
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	15:34:36	91.9%	24.8159	24.8053	24.3877	24.4800	24.5670	93.3%	24.5868
2	15:35:34	94.8%	24.3513	24.7216	24.0112	24.4162	24.4103	97.2%	24.1759
3	15:36:33	97.3%	24.1460	23.9545	24.5369	24.2544	24.5738	99.0%	24.5468
X		94.7%	24.4377	24.4938	24.3119	24.3835	24.5170	96.5%	24.4365
σ		2.7%	0.3432	0.4690	0.2709	0.1163	0.0925	2.9%	0.2266
%RSD		2.9	1.4044	1.9146	1.1143	0.4769	0.3774	3.0	0.9272
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	15:34:36	24.0544	24.3887	24.5866	24.5153	92.7%	24.9276	24.8124	24.5189
2	15:35:34	24.1222	24.1211	24.1964	24.5101	99.3%	24.3953	24.0365	24.7280
3	15:36:33	23.9774	24.0714	24.3180	24.4297	100.4%	24.4712	24.2681	24.4301
X		24.0513	24.1937	24.3670	24.4851	97.5%	24.5980	24.3723	24.5590
σ		0.0724	0.1707	0.1997	0.0480	4.1%	0.2879	0.3983	0.1530
%RSD		0.3012	0.7054	0.8194	0.1959	4.2	1.1704	1.6343	0.6228
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	15:34:36	24.4114	24.6384	93.7%	24.6488				
2	15:35:34	24.4263	24.4783	98.5%	24.5993				
3	15:36:33	24.3456	24.4373	100.5%	24.4702				
X		24.3944	24.5180	97.6%	24.5728				
σ		0.0429	0.1063	3.5%	0.0922				
%RSD		0.1759	0.4334	3.6	0.3753				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:24	94.0%	0.0008	-0.0694	-0.2279	0.0566	-1.8311	-0.0039	0.0013
2	15:45:21	96.1%	-0.0076	-0.0571	-0.1880	0.0532	-2.2871	0.0016	0.0024
3	15:46:20	94.3%	0.0018	-0.0765	-0.1379	0.0365	-2.3110	-0.0035	0.0034
X		94.8%	-0.0017	-0.0677	-0.1846	0.0488	-2.1430	-0.0019	0.0024
σ		1.1%	0.0051	0.0098	0.0451	0.0107	0.2704	0.0031	0.0011
%RSD		1.2	307.9192	14.4392	24.4176	22.0067	12.6189	158.7846	44.5417
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:24	0.0074	-1.0547	0.1412	0.1172	-0.0109	-0.0515	-0.2703	-0.0408
2	15:45:21	-0.0155	0.3493	0.1261	0.0244	-0.0084	-0.0561	-0.3829	-0.0556
3	15:46:20	0.0039	0.3953	0.0433	0.0408	-0.0275	-0.0509	-0.2306	-0.0824
X		-0.0014	-0.1034	0.1035	0.0608	-0.0156	-0.0529	-0.2946	-0.0596
σ		0.0123	0.8242	0.0527	0.0495	0.0104	0.0029	0.0790	0.0211
%RSD		871.0501	797.2585	50.9140	81.4792	66.5639	5.4228	26.8279	35.4316
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:24	92.3%	-0.0084	-0.1910	0.2863	-0.0502	0.0315	0.0431	0.0322
2	15:45:21	94.5%	0.0772	-0.3133	-0.0065	0.1022	0.0472	0.0492	0.0443
3	15:46:20	95.0%	0.1409	-0.4770	0.0125	0.1764	0.0449	0.0424	0.0476
X		93.9%	0.0699	-0.3271	0.0974	0.0761	0.0412	0.0449	0.0414
σ		1.5%	0.0749	0.1435	0.1639	0.1155	0.0085	0.0037	0.0081
%RSD		1.5	107.2168	43.8667	168.1750	151.7347	20.5553	8.2740	19.6593
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:24	91.3%	0.0005	0.0004	-0.0015	0.0016	0.0001	91.7%	0.0003
2	15:45:21	91.6%	0.0104	0.0042	0.0009	-0.0007	0.0010	94.6%	0.0030
3	15:46:20	92.3%	0.0042	0.0060	-0.0015	0.0016	0.0029	95.0%	0.0037
X		91.7%	0.0050	0.0036	-0.0007	0.0008	0.0013	93.8%	0.0023
σ		0.5%	0.0050	0.0029	0.0013	0.0013	0.0014	1.8%	0.0018
%RSD		0.5	98.7448	80.1425	197.1560	161.3859	108.0528	2.0	77.6273
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:24	0.0061	-0.0116	0.0112	-0.0005	91.8%	0.0013	-0.0008	0.0003
2	15:45:21	0.0024	-0.0089	-0.0002	-0.0003	96.7%	-0.0010	-0.0074	0.0020
3	15:46:20	0.0015	-0.0021	0.0056	-0.0017	98.1%	0.0022	-0.0008	-0.0018
X		0.0033	-0.0076	0.0056	-0.0008	95.5%	0.0008	-0.0030	0.0002
σ		0.0024	0.0049	0.0057	0.0007	3.3%	0.0017	0.0038	0.0019
%RSD		72.9494	64.9140	102.1973	92.8907	3.5	199.6865	128.4324	1039.6637
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:44:24	0.0000	0.0014	91.9%	0.0003				
2	15:45:21	0.0012	0.0061	95.4%	-0.0007				
3	15:46:20	0.0040	0.0031	97.9%	0.0012				
X		0.0017	0.0035	95.1%	0.0002				
σ		0.0020	0.0023	3.0%	0.0010				
%RSD		115.2846	66.2004	3.2	410.0921				

NR Cu, V; and Raise Mo MRL 0.1ppb  
from this pt. on.  
JB 5/18/10

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:55	87.7%	0.1004	5343.7637	10.9470	14.4029	17.0781	143.9621	2.9330
2	15:49:53	88.2%	0.1031	5320.8385	10.5540	13.9092	17.3749	141.7258	2.9073
3	15:50:52	89.4%	0.0996	5246.0677	10.2083	13.9201	17.3507	140.7272	2.6867
X		88.4%	0.1010	5303.5566	10.5698	14.0774	17.2679	142.1384	2.8423
σ		0.9%	0.0018	51.0894	0.3696	0.2819	0.1649	1.6565	0.1354
%RSD		1.0	1.8011	0.9633	3.4964	2.0028	0.9547	1.1654	4.7641
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:55	13.3174	24.6182	20.7402	61.1269	60.2979	1657.4704	1531.1636	1606.0142
2	15:49:53	12.6393	22.1995	20.2434	58.7485	59.5914	1642.3474	1533.9686	1591.7161
3	15:50:52	12.3753	22.4476	19.7016	58.6911	57.6755	1621.7304	1519.0740	1580.7207
X		12.7774	23.0885	20.2284	59.5222	59.1883	1640.5161	1528.0687	1592.8170
σ		0.4860	1.3306	0.5195	1.3900	1.3569	17.9402	7.9149	12.6826
%RSD		3.8034	5.7630	2.5681	2.3353	2.2925	1.0936	0.5180	0.7962
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:55	87.2%	1.3308	0.9723	0.6190	-2.3104	7.5553	7.6315	7.7454
2	15:49:53	88.6%	1.2114	2.2677	0.3453	-2.3559	7.6445	7.6531	7.6410
3	15:50:52	90.9%	1.3172	1.4017	0.1399	-2.6091	7.4597	7.7540	7.9255
X		88.9%	1.2865	1.5472	0.3680	-2.4251	7.5532	7.6795	7.7706
σ		1.9%	0.0653	0.6598	0.2404	0.1609	0.0924	0.0654	0.1439
%RSD		2.1	5.0795	42.6458	65.3083	6.6366	1.2231	0.8512	1.8520
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:55	82.0%	0.0835	0.0598	17.2508	16.6946	17.1751	85.6%	3.1831
2	15:49:53	82.9%	0.0679	0.0518	17.4148	16.8463	16.7754	88.1%	3.1993
3	15:50:52	84.9%	0.0821	0.0579	17.7319	16.5446	16.6935	90.3%	3.0930
X		83.3%	0.0778	0.0565	17.4658	16.6951	16.8813	88.0%	3.1585
σ		1.5%	0.0086	0.0042	0.2446	0.1508	0.2577	2.4%	0.0573
%RSD		1.8	11.0552	7.4341	1.4004	0.9036	1.5263	2.7	1.8139
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:55	3.1177	128.9262	128.1240	130.1958	90.9%	0.0175	0.0183	13.8977
2	15:49:53	3.1018	128.0873	127.8313	129.6507	94.2%	0.0190	0.0144	13.7532
3	15:50:52	3.0050	126.1286	126.5364	128.1868	96.7%	0.0079	0.0193	13.8767
X		3.0748	127.7140	127.4972	129.3444	93.9%	0.0148	0.0173	13.8425
σ		0.0610	1.4357	0.8449	1.0389	2.9%	0.0061	0.0026	0.0781
%RSD		1.9842	1.1241	0.6627	0.8032	3.1	40.9457	15.1572	0.5639
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:48:55	15.3363	14.7159	95.4%	0.2631				
2	15:49:53	15.6226	14.7459	98.9%	0.2611				
3	15:50:52	15.2304	14.5983	101.4%	0.2542				
X		15.3965	14.6867	98.5%	0.2595				
σ		0.2029	0.0780	3.0%	0.0047				
%RSD		1.3179	0.5310	3.1	1.7979				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:47	91.5%	0.0920	964.0961	5.7097	10.4480	55.2809	1027.7921	7.5945
2	15:54:45	91.5%	0.0683	952.8456	5.9745	10.1376	50.4265	1042.9541	7.5616
3	15:55:43	91.3%	0.0889	943.0924	5.3938	10.1867	51.8581	1025.3514	7.1135
x		91.5%	0.0831	953.3447	5.6927	10.2574	52.5218	1032.0325	7.4232
σ		0.1%	0.0129	10.5108	0.2907	0.1668	2.4943	9.5368	0.2687
%RSD		0.1	15.5244	1.1025	5.1073	1.6263	4.7491	0.9241	3.6196
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:47	57.3133	367.0027	61.0684	38.9506	39.4320	63.6956	78.3626	73.0587
2	15:54:45	56.1447	315.8562	58.8381	37.6345	38.4410	62.1432	74.8988	70.7998
3	15:55:43	55.7760	302.6475	58.9621	37.2300	38.3715	61.9677	77.6565	72.0899
x		56.4114	328.5021	59.6229	37.9383	38.7482	62.6021	76.9726	71.9828
σ		0.8026	33.9903	1.2534	0.8997	0.5932	0.9510	1.8303	1.1332
%RSD		1.4227	10.3471	2.1022	2.3714	1.5310	1.5191	2.3779	1.5743
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:47	80.5%	70.4673	35.8285	2.1725	1.6782	14.0820	14.6285	14.2921
2	15:54:45	80.9%	70.7644	35.2492	2.6794	1.9006	14.7326	14.2210	14.2467
3	15:55:43	81.4%	70.2994	37.0495	2.0589	2.9055	14.5229	14.5076	14.4615
x		80.9%	70.5104	36.0424	2.3036	2.1614	14.4458	14.4524	14.3334
σ		0.4%	0.2355	0.9190	0.3303	0.6539	0.3321	0.2093	0.1132
%RSD		0.5	0.3340	2.5498	14.3406	30.2540	2.2987	1.4484	0.7899
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:47	76.6%	0.1298	0.1447	0.9718	1.0536	1.0538	79.9%	1.0719
2	15:54:45	75.7%	0.1516	0.1398	1.0605	1.0628	1.0762	79.7%	1.1120
3	15:55:43	75.5%	0.1456	0.1365	1.1153	1.1221	1.0163	80.2%	1.1232
x		75.9%	0.1423	0.1403	1.0492	1.0795	1.0488	80.0%	1.1024
σ		0.6%	0.0113	0.0041	0.0724	0.0372	0.0303	0.2%	0.0269
%RSD		0.7	7.9257	2.9544	6.8979	3.4488	2.8867	0.3	2.4439
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:47	1.0854	671.7337	672.8561	705.8573	84.9%	0.1333	0.1263	12.6468
2	15:54:45	1.0761	683.0998	678.2830	711.3817	86.5%	0.1390	0.1190	12.6059
3	15:55:43	1.0558	676.0257	680.2640	715.0615	86.4%	0.1284	0.1171	12.7237
x		1.0725	676.9531	677.1344	710.7668	85.9%	0.1335	0.1208	12.6588
σ		0.0151	5.7395	3.8352	4.6328	0.9%	0.0053	0.0048	0.0598
%RSD		1.4117	0.8478	0.5664	0.6518	1.0	3.9758	4.0126	0.4723
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:53:47	14.0355	13.5717	88.6%	4.3117				
2	15:54:45	13.9673	13.4067	90.8%	4.3301				
3	15:55:43	14.1173	13.5541	90.3%	4.2941				
x		14.0400	13.5108	89.9%	4.3120				
σ		0.0751	0.0906	1.1%	0.0180				
%RSD		0.5351	0.6706	1.3	0.4178				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:59	71.0%	0.0299	8352.1863	1.8639	40.7585	52.9244	79.6035	0.4929
2	15:59:58	72.3%	0.0206	8250.9587	2.0486	39.9396	48.2557	79.2506	0.4473
3	16:00:57	71.9%	0.0243	8201.0853	1.9193	40.2901	47.4038	78.9999	0.4932
x		71.7%	0.0249	8268.0767	1.9439	40.3294	49.5280	79.2846	0.4778
σ		0.7%	0.0047	76.9912	0.0948	0.4108	2.9721	0.3032	0.0264
%RSD		1.0	18.8632	0.9312	4.8757	1.0187	6.0008	0.3825	5.5333
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:59	267.5419	290.4839	332.1118	31.7334	35.0628	27.7711	25.6890	22.9305
2	15:59:58	254.0148	272.3674	321.2347	30.7634	34.9040	28.6109	24.8341	22.4413
3	16:00:57	250.3214	269.5489	322.1573	30.7333	35.3322	30.5253	25.7889	21.8599
x		257.2927	277.4667	325.1679	31.0767	35.0997	28.9691	25.4373	22.4106
σ		9.0661	11.3609	6.0313	0.5689	0.2165	1.4116	0.5248	0.5359
%RSD		3.5237	4.0945	1.8548	1.8306	0.6167	4.8727	2.0631	2.3915
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:59	72.3%	2.3521	6.1166	3.3148	8.3475	34.3681	34.0092	34.2631
2	15:59:58	74.4%	3.1644	5.8648	2.3572	12.4466	34.7301	34.6945	34.7210
3	16:00:57	75.4%	3.1303	6.3259	2.9578	13.2159	34.6950	34.3190	34.3472
x		74.0%	2.8823	6.1024	2.8766	11.3367	34.5978	34.3409	34.4438
σ		1.6%	0.4594	0.2309	0.4840	2.6171	0.1996	0.3431	0.2437
%RSD		2.1	15.9403	3.7835	16.8245	23.0853	0.5770	0.9992	0.7077
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:59	66.9%	0.0532	0.0272	0.2290	0.2648	0.2358	69.8%	0.4173
2	15:59:58	68.1%	0.0428	0.0314	0.2307	0.2050	0.2292	72.7%	0.4115
3	16:00:57	68.5%	0.0464	0.0318	0.2607	0.2049	0.1640	74.0%	0.3827
x		67.8%	0.0475	0.0301	0.2401	0.2249	0.2097	72.2%	0.4038
σ		0.8%	0.0052	0.0026	0.0178	0.0345	0.0397	2.2%	0.0185
%RSD		1.2	11.0482	8.5247	7.4184	15.3543	18.9269	3.0	4.5928
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:59	0.3940	3.4315	3.1963	3.4408	75.7%	0.0743	0.0773	1.2693
2	15:59:58	0.3619	3.3407	3.2562	3.3212	78.3%	0.0725	0.0752	1.2957
3	16:00:57	0.3732	3.4123	3.2029	3.3793	79.3%	0.0804	0.0785	1.2911
x		0.3764	3.3948	3.2185	3.3804	77.8%	0.0757	0.0770	1.2854
σ		0.0163	0.0478	0.0328	0.0598	1.8%	0.0041	0.0017	0.0141
%RSD		4.3335	1.4094	1.0200	1.7690	2.3	5.4416	2.1622	1.0959
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:58:59	1.4286	1.3815	75.3%	0.0134				
2	15:59:58	1.4299	1.3770	77.8%	0.0152				
3	16:00:57	1.3979	1.3614	79.1%	0.0167				
x		1.4188	1.3733	77.4%	0.0151				
σ		0.0182	0.0106	1.9%	0.0016				
%RSD		1.2795	0.7699	2.5	10.8492				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:56	71.4%	0.0365	8609.6227	2.4153	42.3554	48.0075	82.0053	0.5081
2	16:05:55	71.6%	0.0273	8318.1659	2.3554	41.3005	45.2846	80.0184	0.4803
3	16:06:53	71.4%	0.0141	8258.8930	2.3040	41.0336	47.5450	78.4743	0.4669
x		71.5%	0.0260	8395.5605	2.3582	41.5632	46.9457	80.1660	0.4851
σ		0.1%	0.0113	187.7373	0.0557	0.6990	1.4570	1.7701	0.0210
%RSD		0.1	43.5433	2.2361	2.3622	1.6818	3.1036	2.2081	4.3320
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:56	275.6883	299.4947	344.8386	32.7041	35.9337	28.9159	25.6063	22.5497
2	16:05:55	261.3538	283.0445	325.2702	31.3359	34.5680	29.0607	25.3003	22.5669
3	16:06:53	259.1103	270.7880	317.6515	31.0893	35.7124	29.9415	24.0040	22.0471
x		265.3841	284.4424	329.2535	31.7098	35.4047	29.3060	24.9702	22.3879
σ		8.9939	14.4043	14.0244	0.8699	0.7330	0.5550	0.8506	0.2953
%RSD		3.3890	5.0641	4.2595	2.7434	2.0704	1.8939	3.4066	1.3189
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:56	73.3%	2.4212	4.0627	3.7235	8.5164	35.1274	35.6169	35.2868
2	16:05:55	75.0%	2.8694	3.3416	2.8090	9.7819	34.4324	34.9790	34.7468
3	16:06:53	75.7%	3.6597	5.2613	2.8616	13.8031	34.5710	34.5224	34.8665
x		74.7%	2.9835	4.2219	3.1314	10.7004	34.7103	35.0394	34.9667
σ		1.2%	0.6270	0.9697	0.5135	2.7605	0.3679	0.5498	0.2836
%RSD		1.7	21.0175	22.9678	16.3984	25.7978	1.0598	1.5690	0.8110
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:56	68.1%	0.0628	0.0400	0.2392	0.2722	0.2486	71.6%	0.4154
2	16:05:55	69.1%	0.0528	0.0352	0.2135	0.2107	0.2144	73.1%	0.3843
3	16:06:53	69.8%	0.0628	0.0358	0.1854	0.2526	0.2235	73.3%	0.3967
x		69.0%	0.0594	0.0370	0.2127	0.2452	0.2288	72.7%	0.3988
σ		0.9%	0.0058	0.0026	0.0269	0.0314	0.0177	0.9%	0.0157
%RSD		1.3	9.7081	7.1168	12.6610	12.8045	7.7474	1.3	3.9277
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:56	0.4084	3.5526	3.3152	3.4378	74.7%	0.0842	0.0730	1.2984
2	16:05:55	0.3959	3.1563	3.3857	3.3624	79.1%	0.0762	0.0686	1.3170
3	16:06:53	0.3973	3.4205	3.3356	3.4260	79.4%	0.0767	0.0566	1.2777
x		0.4005	3.3764	3.3455	3.4087	77.7%	0.0790	0.0661	1.2977
σ		0.0069	0.2018	0.0363	0.0406	2.6%	0.0045	0.0085	0.0196
%RSD		1.7134	5.9758	1.0848	1.1904	3.3	5.6526	12.7924	1.5114
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:04:56	1.4432	1.3976	74.2%	0.0145				
2	16:05:55	1.4361	1.3693	77.9%	0.0170				
3	16:06:53	1.3734	1.3364	78.8%	0.0132				
x		1.4176	1.3678	77.0%	0.0149				
σ		0.0384	0.0306	2.4%	0.0019				
%RSD		2.7100	2.2384	3.2	13.0412				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:44	72.2%	19.1165	8230.1199	22.0464	60.1014	69.8796	96.8933	19.9377
2	16:11:43	72.3%	17.8855	7974.4623	20.8968	58.4535	67.1566	94.3436	18.7450
3	16:12:41	73.0%	17.5452	7856.2683	21.6226	57.6287	66.1169	95.2035	18.5844
X		72.5%	18.1824	8020.2835	21.5219	58.7279	67.7177	95.4801	19.0890
σ		0.4%	0.8266	191.0914	0.5813	1.2590	1.9431	1.2972	0.7394
%RSD		0.6	4.5464	2.3826	2.7012	2.1438	2.8694	1.3586	3.8732
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:44	280.4564	299.7716	341.5975	50.0945	53.3563	44.5204	42.5176	37.9057
2	16:11:43	268.0322	284.5751	323.6766	47.2510	51.5238	44.0103	40.2419	37.5163
3	16:12:41	264.6366	281.1388	325.4321	47.1241	51.5027	44.3279	41.5721	37.0059
X		271.0417	288.4952	330.2354	48.1565	52.1276	44.2862	41.4438	37.4760
σ		8.3283	9.9157	9.8790	1.6795	1.0642	0.2576	1.1433	0.4513
%RSD		3.0727	3.4370	2.9915	3.4877	2.0414	0.5817	2.7586	1.2042
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:44	74.4%	21.9786	26.2170	21.0597	32.0567	54.1088	54.8943	53.4383
2	16:11:43	76.2%	19.9373	25.1253	22.2033	27.2490	53.3403	54.2243	53.8109
3	16:12:41	75.3%	20.1439	26.8393	22.8421	30.4790	54.1514	54.0187	53.6027
X		75.3%	20.6866	26.0605	22.0350	29.9282	53.8668	54.3791	53.6173
σ		0.9%	1.1236	0.8677	0.9031	2.4507	0.4565	0.4579	0.1867
%RSD		1.2	5.4316	3.3294	4.0983	8.1886	0.8474	0.8420	0.3482
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:44	69.4%	16.1527	16.1396	17.6463	16.8154	16.9129	71.7%	19.5715
2	16:11:43	69.9%	15.9437	16.2043	17.8189	16.4409	17.0035	73.9%	19.6825
3	16:12:41	69.4%	16.0576	16.1149	17.0143	16.3991	17.2681	74.2%	19.4031
X		69.6%	16.0513	16.1529	17.4932	16.5518	17.0615	73.3%	19.5524
σ		0.3%	0.1046	0.0462	0.4236	0.2292	0.1846	1.3%	0.1407
%RSD		0.5	0.6518	0.2858	2.4214	1.3848	1.0819	1.8	0.7196
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:44	19.1018	23.2594	22.5480	22.6268	74.6%	18.0592	17.8043	18.8695
2	16:11:43	18.7149	22.6610	22.2336	22.5210	78.2%	17.7918	17.5071	18.7661
3	16:12:41	18.6313	22.6651	22.5454	22.3007	79.4%	17.4618	17.6328	18.5692
X		18.8160	22.8618	22.4423	22.4828	77.4%	17.7710	17.6481	18.7349
σ		0.2510	0.3443	0.1808	0.1664	2.5%	0.2993	0.1492	0.1525
%RSD		1.3342	1.5060	0.8057	0.7400	3.2	1.6840	0.8455	0.8141
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:10:44	18.9517	18.9477	74.8%	18.9754				
2	16:11:43	18.8772	18.7614	77.7%	19.0790				
3	16:12:41	18.8872	18.6857	79.1%	18.8532				
X		18.9054	18.7982	77.2%	18.9692				
σ		0.0405	0.1348	2.2%	0.1130				
%RSD		0.2140	0.7172	2.9	0.5958				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:09	83.6%	0.0063	209.1390	-0.2357	29.9627	58.4903	16.5724	0.2972
2	16:18:07	82.3%	0.0056	215.5972	0.1072	30.5558	57.7516	17.4329	0.3153
3	16:19:06	85.1%	0.0010	198.6310	0.1765	27.9827	53.1340	15.7942	0.2628
X		83.7%	0.0043	207.7891	0.0160	29.5004	56.4586	16.5998	0.2918
σ		1.4%	0.0028	8.5633	0.2207	1.3474	2.9028	0.8197	0.0266
%RSD		1.7	66.5410	4.1211	1378.6225	4.5675	5.1414	4.9382	9.1309
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:09	1.9278	18.0605	7.0332	16.2341	19.0212	47.7315	48.3492	44.1847
2	16:18:07	1.9191	17.1635	7.5498	16.3328	18.5451	49.5393	50.5132	45.5953
3	16:19:06	1.6734	14.8412	6.4803	14.2778	16.7395	45.2588	47.3647	42.4786
X		1.8401	16.6884	7.0211	15.6149	18.1019	47.5099	48.7424	44.0862
σ		0.1444	1.6614	0.5348	1.1590	1.2037	2.1488	1.6107	1.5607
%RSD		7.8494	9.9554	7.6173	7.4225	6.6496	4.5229	3.3045	3.5401
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:09	81.6%	1.4786	6.8172	1.9049	5.0380	128.9377	129.9413	130.4959
2	16:18:07	79.3%	1.0860	6.4143	0.7330	3.9122	134.8070	134.5920	136.2571
3	16:19:06	83.4%	0.9078	6.0555	0.7394	3.1900	125.4990	125.5349	125.0552
X		81.4%	1.1575	6.4290	1.1258	4.0468	129.7479	130.0227	130.6027
σ		2.1%	0.2920	0.3811	0.6748	0.9313	4.7066	4.5291	5.6017
%RSD		2.6	25.2306	5.9272	59.9382	23.0136	3.6275	3.4833	4.2891
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:09	81.7%	0.0487	0.0641	5.4776	4.9071	5.1313	82.0%	1.8176
2	16:18:07	79.3%	0.0520	0.0602	5.5107	5.1260	5.4094	81.2%	1.9178
3	16:19:06	82.9%	0.0497	0.0729	5.0696	4.9480	4.8959	84.9%	1.7452
X		81.3%	0.0502	0.0657	5.3526	4.9937	5.1456	82.7%	1.8269
σ		1.8%	0.0017	0.0065	0.2457	0.1164	0.2570	2.0%	0.0867
%RSD		2.2	3.3652	9.9090	4.5899	2.3304	4.9955	2.4	4.7460
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:09	1.8367	10.5766	10.4593	10.3898	83.6%	0.0200	0.0191	1.4735
2	16:18:07	1.9167	10.7481	10.9798	10.8628	84.4%	0.0173	0.0115	1.5223
3	16:19:06	1.7748	9.8005	10.1300	10.0902	90.1%	0.0089	0.0197	1.4066
X		1.8427	10.3750	10.5230	10.4476	86.0%	0.0154	0.0168	1.4675
σ		0.0711	0.5049	0.4285	0.3895	3.5%	0.0058	0.0046	0.0581
%RSD		3.8603	4.8667	4.0720	3.7284	4.1	37.4818	27.1230	3.9582
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:17:09	1.6371	1.5716	83.1%	0.0069				
2	16:18:07	1.7472	1.6574	84.5%	0.0094				
3	16:19:06	1.6010	1.5080	89.5%	0.0111				
X		1.6618	1.5790	85.7%	0.0092				
σ		0.0761	0.0750	3.3%	0.0021				
%RSD		4.5810	4.7490	3.9	22.9547				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:27	84.9%	0.7142	9388.0851	4.2000	5.6553	26.8153	20.4774	1.8287
2	16:26:26	85.7%	0.6126	9319.1056	4.2689	5.6287	24.7802	19.9796	1.7416
3	16:27:25	85.7%	0.6570	9117.8868	4.7220	5.5229	22.0425	19.6857	1.6670
X		85.4%	0.6613	9275.0258	4.3970	5.6023	24.5460	20.0476	1.7458
σ		0.5%	0.0510	140.3889	0.2836	0.0700	2.3950	0.4002	0.0809
%RSD		0.6	7.7056	1.5136	6.4504	1.2499	9.7573	1.9963	4.6337
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:27	11.5697	15.8809	13.4426	58.7319	59.7581	348.6071	331.1482	334.5036
2	16:26:26	11.0319	14.6686	12.9463	56.5168	56.8596	344.4275	325.0825	329.1318
3	16:27:25	11.5373	13.0126	12.7492	54.8659	55.8400	341.1009	320.8823	334.7184
X		11.3796	14.5207	13.0461	56.7049	57.4859	344.7118	325.7043	332.7846
σ		0.3016	1.4399	0.3573	1.9398	2.0327	3.7611	5.1611	3.1653
%RSD		2.6502	9.9159	2.7387	3.4209	3.5361	1.0911	1.5846	0.9511
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:27	88.9%	0.3568	3.3824	0.9862	0.2162	2.6700	2.5661	2.6930
2	16:26:26	89.4%	0.2116	4.0507	0.2334	0.3754	2.7733	2.6307	2.7017
3	16:27:25	89.9%	0.1744	4.2725	0.2821	-0.0614	2.6369	2.8143	2.6824
X		89.4%	0.2476	3.9019	0.5006	0.1767	2.6934	2.6704	2.6924
σ		0.5%	0.0963	0.4634	0.4213	0.2211	0.0711	0.1288	0.0096
%RSD		0.5	38.9105	11.8754	84.1538	125.0993	2.6407	4.8217	0.3574
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:27	85.4%	0.0482	0.0253	1.3766	1.3221	1.4330	84.0%	0.0505
2	16:26:26	85.1%	0.0401	0.0293	1.3392	1.3357	1.3500	85.5%	0.0509
3	16:27:25	83.6%	0.0438	0.0336	1.4276	1.3600	1.4277	85.9%	0.0680
X		84.7%	0.0440	0.0294	1.3812	1.3393	1.4036	85.2%	0.0565
σ		0.9%	0.0041	0.0041	0.0444	0.0192	0.0465	1.0%	0.0100
%RSD		1.1	9.2833	14.0677	3.2139	1.4355	3.3100	1.2	17.6728
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:27	0.0512	41.7666	41.8947	42.3445	84.7%	0.0619	0.0580	3.5673
2	16:26:26	0.0661	40.7188	40.4275	41.3700	89.0%	0.0568	0.0603	3.5198
3	16:27:25	0.0629	41.4751	41.1982	41.7236	90.1%	0.0482	0.0567	3.5393
X		0.0601	41.3202	41.1735	41.8127	87.9%	0.0556	0.0583	3.5422
σ		0.0078	0.5408	0.7339	0.4933	2.9%	0.0069	0.0019	0.0239
%RSD		13.0586	1.3088	1.7824	1.1799	3.3	12.4049	3.2011	0.6742
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:25:27	3.9605	3.7630	94.2%	0.4024				
2	16:26:26	3.8813	3.7010	98.9%	0.3865				
3	16:27:25	3.8799	3.7100	100.8%	0.3959				
X		3.9072	3.7247	98.0%	0.3949				
σ		0.0461	0.0335	3.4%	0.0080				
%RSD		1.1802	0.8987	3.5	2.0253				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:05	84.8%	0.0194	55.3223	-0.1244	0.5615	20.2413	22.2633	0.1062
2	16:31:04	86.2%	0.0245	53.5073	-0.2734	0.4591	18.7526	21.1719	0.1014
3	16:32:03	86.9%	0.0115	52.7562	0.1477	0.4497	17.3334	20.9851	0.0935
x		86.0%	0.0185	53.8619	-0.0834	0.4901	18.7757	21.4734	0.1004
σ		1.0%	0.0066	1.3193	0.2135	0.0620	1.4541	0.6903	0.0064
%RSD		1.2	35.6848	2.4494	256.1498	12.6490	7.7445	3.2149	6.3885
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:05	0.7000	3.1158	0.8902	2.2046	3.3281	14.0906	15.5784	13.5509
2	16:31:04	0.7141	2.8670	0.7908	2.0419	3.0275	13.8989	14.6095	12.5799
3	16:32:03	0.5526	-0.4233	0.8700	1.9464	2.9203	13.7180	13.4444	12.2807
x		0.6555	1.8531	0.8503	2.0643	3.0920	13.9025	14.5441	12.8038
σ		0.0895	1.9754	0.0525	0.1306	0.2114	0.1863	1.0685	0.6640
%RSD		13.6469	106.5966	6.1789	6.3247	6.8364	1.3401	7.3466	5.1863
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:05	83.8%	0.7520	3.0524	0.9166	1.7446	0.2082	0.2318	0.1876
2	16:31:04	86.3%	0.5364	3.1132	0.5808	1.5399	0.2133	0.2225	0.1945
3	16:32:03	87.2%	0.4342	2.9110	0.2793	1.0563	0.1826	0.2539	0.2189
x		85.8%	0.5742	3.0255	0.5922	1.4469	0.2014	0.2360	0.2004
σ		1.8%	0.1623	0.1038	0.3188	0.3534	0.0165	0.0162	0.0165
%RSD		2.1	28.2560	3.4292	53.8377	24.4273	8.1782	6.8516	8.2138
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:05	86.0%	0.0114	0.0129	0.0710	0.0783	0.0768	82.9%	0.0752
2	16:31:04	88.2%	0.0090	0.0104	0.0850	0.0696	0.0797	87.8%	0.0659
3	16:32:03	87.4%	0.0071	0.0065	0.0804	0.0601	0.0890	87.7%	0.0593
x		87.2%	0.0092	0.0100	0.0788	0.0693	0.0818	86.2%	0.0668
σ		1.1%	0.0021	0.0033	0.0071	0.0091	0.0063	2.8%	0.0080
%RSD		1.3	23.3085	32.7805	9.0479	13.0962	7.7598	3.2	12.0105
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:05	0.0663	2.6929	2.6188	2.7459	85.6%	-0.0002	-0.0019	0.5403
2	16:31:04	0.0754	2.5870	2.5578	2.6499	90.6%	-0.0010	-0.0065	0.5235
3	16:32:03	0.0736	2.5381	2.5538	2.6424	91.2%	-0.0001	-0.0028	0.5508
x		0.0718	2.6060	2.5768	2.6794	89.2%	-0.0004	-0.0037	0.5382
σ		0.0048	0.0791	0.0364	0.0577	3.1%	0.0005	0.0024	0.0138
%RSD		6.7028	3.0367	1.4126	2.1544	3.5	125.2102	65.1432	2.5583
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:30:05	0.6205	0.5874	86.4%	0.0461				
2	16:31:04	0.6093	0.5766	92.9%	0.0501				
3	16:32:03	0.5898	0.5781	93.9%	0.0439				
x		0.6065	0.5807	91.1%	0.0467				
σ		0.0155	0.0059	4.1%	0.0031				
%RSD		2.5606	1.0109	4.5	6.7059				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:58	81.1%	0.0023	140.5543	-1.3234	87.2622	110.0169	19.7178	0.3501
2	16:35:57	79.4%	-0.0016	139.9101	-0.6443	86.9868	107.1477	19.5968	0.3029
3	16:36:56	80.0%	0.0090	134.1440	-0.0430	81.6598	100.1778	18.7147	0.2807
X		80.2%	0.0032	138.2028	-0.6703	85.3029	105.7808	19.3431	0.3112
σ		0.8%	0.0053	3.5297	0.6406	3.1581	5.0600	0.5475	0.0354
%RSD		1.0	164.0175	2.5540	95.5749	3.7022	4.7835	2.8306	11.3891
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:58	5.1366	52.2819	17.9966	11.3134	12.6161	68.4417	70.6406	67.2183
2	16:35:57	5.3215	47.6953	16.1506	11.0213	12.0874	67.6281	67.2260	67.0736
3	16:36:56	5.0082	38.3916	15.4245	10.5523	12.1609	65.7114	64.4088	64.2844
X		5.1554	46.1229	16.5239	10.9624	12.2881	67.2604	67.4252	66.1921
σ		0.1575	7.0774	1.3260	0.3840	0.2864	1.4018	3.1207	1.6537
%RSD		3.0554	15.3446	8.0250	3.5026	2.3303	2.0841	4.6284	2.4984
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:58	73.2%	0.5527	9.0618	1.9098	3.1437	48.4881	49.3537	47.2983
2	16:35:57	73.3%	0.8455	7.5071	1.1926	3.3730	47.2083	47.9375	47.2426
3	16:36:56	73.9%	0.8566	7.2621	0.9995	2.9342	45.6981	47.1717	46.2844
X		73.4%	0.7516	7.9437	1.3673	3.1503	47.1315	48.1543	46.9418
σ		0.4%	0.1724	0.9760	0.4796	0.2195	1.3966	1.1070	0.5700
%RSD		0.5	22.9321	12.2869	35.0766	6.9668	2.9631	2.2989	1.2142
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:58	69.3%	0.2557	0.2560	30.7877	28.6061	29.1877	72.6%	1.0516
2	16:35:57	69.9%	0.2971	0.2602	30.9739	28.8987	29.4537	72.8%	1.0657
3	16:36:56	69.2%	0.2521	0.2738	29.6310	27.9967	28.5858	73.8%	1.0144
X		69.5%	0.2683	0.2633	30.4642	28.5005	29.0757	73.1%	1.0439
σ		0.4%	0.0250	0.0093	0.7276	0.4602	0.4446	0.7%	0.0265
%RSD		0.6	9.3298	3.5190	2.3883	1.6147	1.5292	0.9	2.5371
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:58	1.0090	70.5331	70.2681	70.0269	77.6%	-0.0002	0.0022	1.6215
2	16:35:57	1.0649	71.1599	70.4044	70.5635	80.2%	-0.0010	0.0043	1.5911
3	16:36:56	1.0349	68.3466	68.3295	68.7276	81.6%	0.0020	-0.0019	1.5056
X		1.0363	70.0132	69.6673	69.7727	79.8%	0.0003	0.0015	1.5727
σ		0.0280	1.4769	1.1606	0.9440	2.0%	0.0015	0.0032	0.0600
%RSD		2.6987	2.1095	1.6659	1.3530	2.5	529.6717	207.3296	3.8179
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:34:58	1.7939	1.7356	77.6%	0.0024				
2	16:35:57	1.7423	1.7316	80.0%	0.0050				
3	16:36:56	1.8004	1.6719	82.5%	0.0015				
X		1.7789	1.7130	80.0%	0.0030				
σ		0.0318	0.0357	2.4%	0.0018				
%RSD		1.7896	2.0821	3.0	60.7613				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:24	84.5%	0.0031	303.1052	-0.0846	57.9040	71.8631	2.0926	0.1172
2	16:42:23	84.8%	-0.0047	294.6036	0.0108	55.3207	67.8425	2.0015	0.1031
3	16:43:22	82.8%	0.0060	295.4230	0.3273	54.9246	67.0410	2.0085	0.1110
X		84.0%	0.0015	297.7106	0.0845	56.0498	68.9156	2.0342	0.1104
σ		1.1%	0.0056	4.6898	0.2156	1.6180	2.5839	0.0507	0.0071
%RSD		1.3	382.5821	1.5753	255.2367	2.8867	3.7494	2.4924	6.3933
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:24	1.4822	28.5723	7.9905	4.9378	5.7246	3.7164	4.9239	2.9748
2	16:42:23	1.4847	26.9664	7.5929	4.4951	5.3583	3.8071	4.3356	2.5664
3	16:43:22	1.2180	23.4055	6.8547	4.1623	5.1734	3.5242	4.1467	2.6907
X		1.3950	26.3147	7.4793	4.5317	5.4188	3.6826	4.4687	2.7440
σ		0.1532	2.6443	0.5764	0.3891	0.2805	0.1444	0.4053	0.2094
%RSD		10.9859	10.0488	7.7059	8.5854	5.1772	3.9224	9.0704	7.6300
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:24	75.7%	0.2069	5.4326	2.3884	1.7016	327.5316	325.8048	327.3170
2	16:42:23	76.9%	0.6526	4.0466	0.8159	1.7373	323.7479	327.2999	324.0536
3	16:43:22	78.8%	0.1586	4.5364	0.6350	0.9041	326.2858	326.4294	328.4781
X		77.1%	0.3393	4.6719	1.2798	1.4477	325.8551	326.5113	326.6162
σ		1.6%	0.2724	0.7029	0.9643	0.4711	1.9283	0.7509	2.2940
%RSD		2.0	80.2606	15.0448	75.3526	32.5385	0.5918	0.2300	0.7024
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:24	75.8%	0.0039	0.0137	3.4080	3.0108	3.2555	76.1%	3.7585
2	16:42:23	75.0%	0.0047	0.0273	3.3273	3.1036	3.1270	78.1%	3.6559
3	16:43:22	74.5%	0.0017	0.0082	3.5194	3.0479	3.0480	78.8%	3.6311
X		75.1%	0.0034	0.0164	3.4182	3.0541	3.1435	77.6%	3.6818
σ		0.6%	0.0016	0.0098	0.0965	0.0467	0.1047	1.4%	0.0675
%RSD		0.8	45.5344	60.0855	2.8220	1.5291	3.3300	1.8	1.8343
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:24	3.4972	2.1506	2.4147	2.4145	79.9%	0.0466	0.0453	0.8691
2	16:42:23	3.6196	2.1809	2.1981	2.3597	83.4%	0.0473	0.0512	0.9164
3	16:43:22	3.5509	2.3418	2.2481	2.3488	84.6%	0.0468	0.0464	0.8988
X		3.5559	2.2244	2.2870	2.3743	82.6%	0.0469	0.0476	0.8948
σ		0.0614	0.1028	0.1134	0.0352	2.4%	0.0004	0.0031	0.0239
%RSD		1.7264	4.6196	4.9600	1.4843	2.9	0.7502	6.5008	2.6700
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:41:24	1.0023	0.9636	81.3%	-0.0023				
2	16:42:23	1.0165	0.9638	85.3%	-0.0008				
3	16:43:22	1.0540	0.9638	85.3%	-0.0001				
X		1.0243	0.9637	84.0%	-0.0011				
σ		0.0267	0.0001	2.3%	0.0011				
%RSD		2.6105	0.0130	2.7	105.3811				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	16:54:49	86.2%	26.1206	24.0062	24.5723	25.1507	37.8009	24.9251	25.4935
2	16:55:48	87.7%	24.8800	24.1321	24.1155	24.6753	37.0946	24.7107	25.0750
3	16:56:46	87.1%	24.1261	23.9406	24.1690	24.4435	36.2594	24.5767	24.6414
X		87.0%	25.0423	24.0263	24.2856	24.7565	37.0516	24.7375	25.0699
σ		0.8%	1.0071	0.0973	0.2497	0.3605	0.7716	0.1757	0.4261
%RSD		0.9	4.0216	0.4051	1.0283	1.4562	2.0826	0.7105	1.6996
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	16:54:49	25.8062	25.9233	25.6457	25.6599	27.2490	25.7181	26.0025	24.3775
2	16:55:48	25.2128	27.2836	25.0489	24.9960	25.6107	25.1283	26.9941	24.4916
3	16:56:46	24.8713	26.7029	24.8629	24.5520	25.3520	25.0930	26.1579	24.0326
X		25.2968	26.6366	25.1858	25.0693	26.0705	25.3131	26.3849	24.3005
σ		0.4731	0.6826	0.4090	0.5576	1.0287	0.3512	0.5333	0.2390
%RSD		1.8700	2.5626	1.6238	2.2242	3.9458	1.3873	2.0214	0.9834
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	16:54:49	87.6%	24.1379	28.1549	25.7977	25.9630	24.4998	23.7861	24.4305
2	16:55:48	89.0%	21.9176	33.0925	23.9110	23.4822	24.2737	24.4307	24.4893
3	16:56:46	88.0%	25.1840	28.4231	23.3858	28.2229	24.8218	24.4790	24.4301
X		88.2%	23.7465	29.8902	24.3648	25.8894	24.5318	24.2319	24.4500
σ		0.7%	1.6680	2.7765	1.2684	2.3712	0.2754	0.3869	0.0341
%RSD		0.8	7.0241	9.2891	5.2057	9.1589	1.1227	1.5965	0.1394
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	16:54:49	88.4%	25.1788	24.8733	24.4908	24.2142	24.6302	86.5%	24.8381
2	16:55:48	88.5%	24.5283	24.5647	24.8315	24.4560	24.7090	88.9%	24.9911
3	16:56:46	86.8%	24.6814	24.4927	24.4860	24.3467	24.6547	88.7%	24.7898
X		87.9%	24.7962	24.6436	24.6028	24.3389	24.6646	88.0%	24.8730
σ		0.9%	0.3401	0.2022	0.1981	0.1211	0.0403	1.3%	0.1051
%RSD		1.1	1.3715	0.8205	0.8052	0.4976	0.1634	1.5	0.4225
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	16:54:49	24.5226	24.5908	24.4580	24.6906	86.8%	24.3958	24.3274	24.3080
2	16:55:48	24.6405	23.7697	24.6371	24.4271	90.6%	24.4568	24.1661	24.5511
3	16:56:46	24.7271	25.2039	24.3123	24.6402	90.2%	24.4493	24.4554	24.5118
X		24.6301	24.5215	24.4691	24.5860	89.2%	24.4339	24.3163	24.4570
σ		0.1026	0.7196	0.1627	0.1399	2.1%	0.0333	0.1450	0.1305
%RSD		0.4167	2.9345	0.6648	0.5690	2.4	0.1361	0.5962	0.5336
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	16:54:49	24.2384	24.4431	87.9%	24.4968				
2	16:55:48	24.3231	24.3465	91.5%	24.7442				
3	16:56:46	24.7592	24.6226	92.0%	24.5437				
X		24.4402	24.4707	90.5%	24.5949				
σ		0.2795	0.1401	2.3%	0.1314				
%RSD		1.1435	0.5727	2.5	0.5343				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:07	86.5%	0.0111	-0.0212	-0.3113	0.1582	11.4573	0.0137	-0.0001
2	17:11:04	88.1%	0.0013	-0.0326	-0.3965	0.1136	10.3057	-0.0033	0.0035
3	17:12:02	86.7%	-0.0018	-0.0048	-0.3683	0.1052	10.0927	0.0021	0.0010
X		87.1%	0.0035	-0.0196	-0.3587	0.1257	10.6186	0.0042	0.0015
σ		0.9%	0.0067	0.0140	0.0434	0.0285	0.7341	0.0087	0.0019
%RSD		1.0	190.5301	71.5527	12.1020	22.6813	6.9137	206.7508	127.1728
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:07	0.0036	0.1553	0.2479	0.1589	0.7078	0.4786	1.6231	0.0466
2	17:11:04	0.0025	0.9201	0.2036	0.1000	0.6744	0.4776	1.7538	0.0477
3	17:12:02	0.0149	-0.2985	0.2151	0.0836	0.7073	0.4221	1.8302	0.0515
X		0.0070	0.2590	0.2222	0.1142	0.6965	0.4594	1.7357	0.0486
σ		0.0069	0.6159	0.0230	0.0396	0.0192	0.0324	0.1047	0.0026
%RSD		98.2466	237.7919	10.3623	34.6602	2.7510	7.0432	6.0337	5.3473
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:07	85.3%	0.3349	2.1125	1.3067	0.7912	0.0317	0.0428	0.0411
2	17:11:04	89.5%	0.2952	1.9362	0.2918	1.0859	0.0503	0.0355	0.0734
3	17:12:02	88.1%	0.1836	1.8488	0.6597	0.6937	0.0582	0.0451	0.0685
X		87.7%	0.2712	1.9658	0.7527	0.8569	0.0467	0.0411	0.0610
σ		2.1%	0.0784	0.1343	0.5138	0.2042	0.0136	0.0050	0.0174
%RSD		2.4	28.9112	6.8331	68.2601	23.8294	29.1130	12.2291	28.5673
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:07	85.5%	0.0040	0.0026	-0.0015	0.0031	0.0023	84.1%	0.0034
2	17:11:04	85.8%	0.0066	0.0059	-0.0015	-0.0007	0.0011	88.1%	0.0032
3	17:12:02	87.4%	0.0026	0.0025	-0.0015	0.0017	0.0011	87.6%	0.0010
X		86.2%	0.0044	0.0036	-0.0015	0.0014	0.0015	86.6%	0.0026
σ		1.1%	0.0020	0.0019	0.0000	0.0019	0.0007	2.2%	0.0013
%RSD		1.2	45.9491	53.0756	0.0000	140.5825	43.4410	2.5	51.5645
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:07	0.0039	-0.0058	-0.0038	0.0057	85.1%	0.0018	0.0005	0.0111
2	17:11:04	0.0027	-0.0108	0.0061	0.0026	88.7%	-0.0013	-0.0052	0.0153
3	17:12:02	0.0027	-0.0223	0.0060	-0.0039	90.3%	-0.0043	-0.0025	0.0272
X		0.0031	-0.0129	0.0027	0.0015	88.0%	-0.0013	-0.0024	0.0179
σ		0.0007	0.0085	0.0057	0.0049	2.7%	0.0031	0.0028	0.0084
%RSD		21.8389	65.3606	206.9414	337.1503	3.0	245.7878	118.2895	46.7624
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:10:07	0.0246	0.0226	85.1%	0.0003				
2	17:11:04	0.0125	0.0160	90.8%	-0.0008				
3	17:12:02	0.0193	0.0212	90.6%	0.0003				
X		0.0188	0.0199	88.8%	-0.0001				
σ		0.0061	0.0035	3.3%	0.0007				
%RSD		32.3506	17.5079	3.7	801.2716				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	86.5%	0.0012	0.2223	-0.4797	0.1559	11.2883	0.0129	0.0040
2	17:15:33	88.5%	-0.0016	0.2565	-0.1716	0.1285	9.7768	0.0079	-0.0031
3	17:16:32	88.5%	-0.0079	0.2874	-0.2244	0.1155	9.0000	0.0109	-0.0022
X		87.8%	-0.0028	0.2554	-0.2919	0.1333	10.0217	0.0105	-0.0004
σ		1.1%	0.0046	0.0326	0.1648	0.0206	1.1636	0.0025	0.0039
%RSD		1.3	166.5534	12.7458	56.4367	15.4713	11.6112	23.8075	955.0169
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	0.0157	0.0255	0.2646	0.1442	0.6801	0.3961	1.7991	0.0328
2	17:15:33	-0.0000	-0.3154	0.1426	0.1127	0.6335	0.3842	1.4974	0.0535
3	17:16:32	-0.0002	0.3389	0.1791	0.0927	0.6148	0.3041	0.8661	0.0586
X		0.0051	0.0164	0.1954	0.1165	0.6428	0.3615	1.3876	0.0483
σ		0.0091	0.3272	0.0626	0.0259	0.0337	0.0501	0.4761	0.0136
%RSD		177.2589	2000.3912	32.0238	22.2637	5.2365	13.8503	34.3129	28.2345
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	85.8%	0.2065	1.5687	0.6435	0.7074	0.0209	0.0118	0.0093
2	17:15:33	87.3%	0.3616	1.6980	0.4294	0.9763	0.0204	0.0182	0.0155
3	17:16:32	88.4%	0.1861	2.2328	0.0668	1.2013	0.0326	0.0412	0.0281
X		87.2%	0.2514	1.8332	0.3799	0.9617	0.0246	0.0237	0.0176
σ		1.3%	0.0960	0.3521	0.2915	0.2473	0.0069	0.0155	0.0096
%RSD		1.5	38.1790	19.2051	76.7396	25.7131	28.0488	65.1647	54.4399
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	85.6%	0.0020	0.0012	0.0011	-0.0007	-0.0009	84.4%	0.0172
2	17:15:33	87.4%	-0.0000	0.0005	0.0010	0.0005	0.0011	87.7%	0.0224
3	17:16:32	88.6%	0.0038	0.0024	-0.0015	0.0005	0.0001	88.4%	0.0186
X		87.2%	0.0019	0.0014	0.0002	0.0001	0.0001	86.8%	0.0194
σ		1.5%	0.0019	0.0010	0.0015	0.0007	0.0010	2.1%	0.0027
%RSD		1.8	99.2019	73.2240	641.1385	708.7430	834.6857	2.4	13.9688
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	0.0154	-0.0099	0.0095	0.0049	85.9%	-0.0138	-0.0041	0.0013
2	17:15:33	0.0249	-0.0222	0.0082	-0.0008	89.7%	-0.0050	-0.0056	-0.0020
3	17:16:32	0.0192	-0.0072	-0.0006	0.0046	90.4%	0.0057	-0.0034	0.0010
X		0.0198	-0.0131	0.0057	0.0029	88.6%	-0.0044	-0.0044	0.0001
σ		0.0048	0.0080	0.0055	0.0032	2.4%	0.0098	0.0011	0.0018
%RSD		24.1414	61.1535	96.4621	110.4250	2.7	223.4448	25.0395	1326.1583
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:14:34	-0.0013	0.0006	85.7%	-0.0015				
2	17:15:33	-0.0025	-0.0025	90.5%	-0.0016				
3	17:16:32	0.0003	-0.0004	91.2%	-0.0012				
X		-0.0012	-0.0008	89.1%	-0.0014				
σ		0.0014	0.0016	3.0%	0.0002				
%RSD		120.5237	208.5642	3.4	13.1003				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:06	86.8%	20.2876	19.5408	19.4462	19.9119	28.2254	19.4458	19.6750
2	17:20:04	88.3%	19.4359	19.3243	19.0139	19.3910	27.0563	19.2348	19.3825
3	17:21:03	86.9%	19.1912	19.8042	18.9747	19.3647	27.4999	19.4702	19.6084
X		87.4%	19.6382	19.5564	19.1449	19.5558	27.5938	19.3836	19.5553
σ		0.8%	0.5755	0.2403	0.2616	0.3086	0.5902	0.1295	0.1533
%RSD		0.9	2.9306	1.2290	1.3666	1.5783	2.1387	0.6679	0.7840
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:06	19.9976	21.8320	21.0878	20.2641	20.5993	20.3753	22.0030	20.3419
2	17:20:04	19.5719	16.8109	19.8404	19.7428	19.9102	20.2044	21.9465	19.9330
3	17:21:03	19.5972	20.2594	19.5263	19.6894	20.2055	20.5027	20.6711	20.0963
X		19.7222	19.6341	20.1515	19.8988	20.2383	20.3608	21.5402	20.1238
σ		0.2388	2.5682	0.8259	0.3175	0.3457	0.1497	0.7532	0.2058
%RSD		1.2107	13.0806	4.0986	1.5957	1.7084	0.7351	3.4967	1.0227
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:06	85.4%	18.1431	23.6772	19.5623	19.8248	19.6556	19.9035	19.4357
2	17:20:04	87.7%	17.7068	23.7270	18.9777	18.3247	18.8803	19.0189	18.6549
3	17:21:03	86.2%	18.8185	21.7652	19.7140	21.0855	19.1995	19.1714	19.2297
X		86.4%	18.2228	23.0565	19.4180	19.7450	19.2452	19.3646	19.1068
σ		1.2%	0.5601	1.1185	0.3887	1.3821	0.3897	0.4729	0.4046
%RSD		1.4	3.0736	4.8513	2.0020	7.0000	2.0247	2.4420	2.1178
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:06	83.9%	19.7204	19.6646	19.6072	18.3261	18.8435	84.2%	19.5831
2	17:20:04	87.0%	19.2398	19.8014	19.8803	18.6570	18.9403	85.9%	19.7754
3	17:21:03	87.8%	19.0853	19.2022	19.3501	18.4935	18.9089	87.5%	19.5644
X		86.2%	19.3485	19.5561	19.6126	18.4922	18.8976	85.9%	19.6410
σ		2.0%	0.3312	0.3140	0.2651	0.1655	0.0494	1.7%	0.1168
%RSD		2.4	1.7119	1.6055	1.3518	0.8948	0.2613	1.9	0.5947
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:06	19.0801	18.7663	19.2945	19.3572	84.5%	19.5081	19.4774	19.6855
2	17:20:04	19.2293	19.4669	19.4214	19.3075	89.3%	19.1853	18.9125	19.0582
3	17:21:03	19.2172	19.0829	19.1070	19.1131	90.0%	19.0068	19.1575	19.2146
X		19.1755	19.1054	19.2743	19.2593	87.9%	19.2334	19.1824	19.3194
σ		0.0829	0.3508	0.1582	0.1290	3.0%	0.2541	0.2833	0.3265
%RSD		0.4323	1.8363	0.8207	0.6699	3.4	1.3212	1.4768	1.6901
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:19:06	19.5821	19.5257	84.9%	19.5867				
2	17:20:04	19.1321	19.0988	90.3%	19.2090				
3	17:21:03	18.9129	19.1049	91.1%	19.4200				
X		19.2090	19.2431	88.8%	19.4052				
σ		0.3412	0.2448	3.4%	0.1893				
%RSD		1.7761	1.2719	3.8	0.9754				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:29	83.6%	0.0033	2.9058	-0.3158	0.2793	14.1307	676.8247	0.1120
2	17:25:28	82.5%	0.0049	2.9299	0.0291	0.2579	12.7616	693.8165	0.0910
3	17:26:27	81.5%	0.0015	2.9773	-0.4045	0.2227	13.1564	674.3551	0.1039
x		82.5%	0.0032	2.9377	-0.2304	0.2533	13.3496	681.6654	0.1023
σ		1.1%	0.0017	0.0364	0.2291	0.0286	0.7047	10.5953	0.0106
%RSD		1.3	52.6871	1.2389	99.4416	11.2811	5.2788	1.5543	10.3742
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:29	0.9281	21.7445	0.6479	0.7538	1.0811	3.8336	4.5323	4.1589
2	17:25:28	0.7400	23.6027	0.5519	0.6875	1.0532	3.8309	4.9478	3.7543
3	17:26:27	0.7913	17.7189	0.5461	0.5929	0.9653	3.6087	4.5134	3.7436
x		0.8198	21.0220	0.5820	0.6781	1.0332	3.7577	4.6645	3.8856
σ		0.0972	3.0077	0.0572	0.0808	0.0604	0.1291	0.2455	0.2368
%RSD		11.8609	14.3073	9.8227	11.9221	5.8497	3.4361	5.2636	6.0931
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:29	81.1%	5.5177	4.6204	1.5076	1.1644	1.0417	1.1789	1.0920
2	17:25:28	80.6%	5.3659	3.5954	0.6083	-0.0329	1.0378	1.0609	1.1402
3	17:26:27	80.9%	5.0151	3.1719	0.2385	0.0523	1.1058	1.1027	1.1376
x		80.9%	5.2996	3.7959	0.7848	0.3946	1.0617	1.1142	1.1233
σ		0.2%	0.2577	0.7447	0.6527	0.6680	0.0382	0.0599	0.0271
%RSD		0.3	4.8636	19.6196	83.1687	169.2783	3.5956	5.3727	2.4134
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:29	82.2%	0.0064	0.0077	0.1708	0.1926	0.1847	80.0%	0.0658
2	17:25:28	81.6%	0.0077	0.0091	0.1834	0.1960	0.1889	82.6%	0.0628
3	17:26:27	79.0%	0.0044	0.0042	0.1951	0.1837	0.1798	81.5%	0.0762
x		80.9%	0.0061	0.0070	0.1831	0.1908	0.1845	81.4%	0.0683
σ		1.7%	0.0017	0.0025	0.0121	0.0063	0.0046	1.3%	0.0070
%RSD		2.1	27.2402	36.1591	6.6136	3.3202	2.4846	1.6	10.2768
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:29	0.0688	8.1600	8.4955	8.4606	83.7%	-0.0034	-0.0011	0.0232
2	17:25:28	0.0518	8.4114	8.1856	8.3386	87.2%	-0.0003	-0.0013	0.0333
3	17:26:27	0.0573	8.4595	8.3667	8.4322	87.7%	-0.0075	-0.0036	0.0340
x		0.0593	8.3436	8.3493	8.4105	86.2%	-0.0037	-0.0020	0.0301
σ		0.0087	0.1608	0.1557	0.0638	2.2%	0.0036	0.0014	0.0060
%RSD		14.6211	1.9276	1.8644	0.7585	2.5	95.9357	70.4906	20.0080
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:24:29	0.0291	0.0272	84.1%	0.0010				
2	17:25:28	0.0272	0.0361	88.5%	0.0043				
3	17:26:27	0.0186	0.0292	88.7%	0.0014				
x		0.0250	0.0308	87.1%	0.0022				
σ		0.0056	0.0047	2.6%	0.0018				
%RSD		22.4565	15.1657	3.0	80.9849				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	17:29:00	82.9%	0.0035	11.3933	-0.1706	0.2532	12.3114	420.9560	0.0914
2	17:29:59	82.4%	0.0018	11.1430	-0.1475	0.2403	11.9805	415.5270	0.0908
3	17:30:58	80.3%	0.0019	11.2524	-0.2562	0.1898	12.0833	416.4342	0.0824
x		81.9%	0.0024	11.2629	-0.1914	0.2278	12.1251	417.6391	0.0882
σ		1.4%	0.0010	0.1255	0.0573	0.0335	0.1694	2.9082	0.0050
%RSD		1.7	40.2943	1.1143	29.9176	14.7198	1.3969	0.6963	5.7042
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	17:29:00	0.9091	19.6333	0.7042	0.6899	0.8415	3.8972	4.6309	4.0346
2	17:29:59	0.8496	17.4870	0.6852	0.5213	0.8474	3.9294	4.9405	3.8284
3	17:30:58	0.8521	15.1061	0.5473	0.5715	0.7851	4.0122	4.6490	3.7438
x		0.8703	17.4088	0.6456	0.5943	0.8246	3.9463	4.7401	3.8689
σ		0.0336	2.2647	0.0856	0.0865	0.0344	0.0593	0.1738	0.1496
%RSD		3.8655	13.0087	13.2602	14.5639	4.1670	1.5035	3.6657	3.8661
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	17:29:00	80.2%	4.2167	3.1346	1.2191	0.5310	1.1046	1.0562	0.9955
2	17:29:59	80.7%	4.4528	3.2457	0.4086	1.8363	1.0481	1.1676	1.0744
3	17:30:58	79.4%	4.2810	3.1920	-0.2519	1.1145	1.1343	0.9987	1.1181
x		80.1%	4.3168	3.1908	0.4586	1.1606	1.0957	1.0742	1.0627
σ		0.7%	0.1221	0.0556	0.7368	0.6539	0.0438	0.0859	0.0622
%RSD		0.8	2.8279	1.7417	160.6695	56.3365	3.9965	7.9965	5.8485
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	17:29:00	79.4%	0.0037	0.0101	0.1711	0.1955	0.1967	79.3%	0.0436
2	17:29:59	78.6%	0.0087	0.0079	0.1752	0.2002	0.1982	80.6%	0.0508
3	17:30:58	76.9%	0.0052	0.0065	0.1444	0.1743	0.1857	80.0%	0.0543
x		78.3%	0.0059	0.0082	0.1636	0.1900	0.1935	80.0%	0.0496
σ		1.3%	0.0026	0.0018	0.0167	0.0138	0.0069	0.7%	0.0055
%RSD		1.6	43.7037	22.2713	10.2024	7.2614	3.5397	0.8	11.0237
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	17:29:00	0.0460	6.3867	6.1152	6.3152	82.6%	0.0064	-0.0005	0.0435
2	17:29:59	0.0421	6.1360	6.2420	6.1856	84.8%	-0.0041	-0.0046	0.0389
3	17:30:58	0.0513	6.4490	6.0769	6.2505	87.0%	0.0035	-0.0043	0.0427
x		0.0465	6.3239	6.1447	6.2504	84.8%	0.0019	-0.0031	0.0417
σ		0.0046	0.1657	0.0864	0.0648	2.2%	0.0054	0.0023	0.0025
%RSD		9.9571	2.6200	1.4062	1.0361	2.6	279.2083	71.9861	5.9822
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	17:29:00	0.0397	0.0438	84.0%	0.0006				
2	17:29:59	0.0466	0.0419	87.9%	0.0011				
3	17:30:58	0.0390	0.0374	88.2%	0.0013				
x		0.0417	0.0410	86.7%	0.0010				
σ		0.0042	0.0033	2.3%	0.0004				
%RSD		10.0922	7.9816	2.7	35.6064				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:33	77.2%	0.0062	27.9382	0.1004	1.7145	16.0832	254.5422	0.1577
2	17:34:32	77.3%	0.0074	27.3388	-0.2991	1.4944	15.9285	246.7428	0.1205
3	17:35:31	76.2%	0.0065	25.9021	-0.2089	1.5935	15.6323	250.3708	0.1476
X		76.9%	0.0067	27.0597	-0.1359	1.6008	15.8813	250.5520	0.1419
σ		0.6%	0.0006	1.0463	0.2095	0.1102	0.2291	3.9029	0.0192
%RSD		0.8	9.3625	3.8668	154.2342	6.8837	1.4424	1.5577	13.5435
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:33	1.1879	21.3924	0.9627	4.6237	4.7126	26.1473	25.2646	25.5333
2	17:34:32	1.1968	17.8027	1.1139	4.5146	4.5181	26.1607	28.0986	25.4349
3	17:35:31	0.9885	19.7073	0.9767	4.3700	4.7399	26.1127	25.2025	25.4854
X		1.1244	19.6342	1.0178	4.5028	4.6568	26.1402	26.1886	25.4845
σ		0.1178	1.7959	0.0836	0.1273	0.1210	0.0247	1.6545	0.0492
%RSD		10.4751	9.1471	8.2111	2.8260	2.5977	0.0947	6.3175	0.1932
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:33	75.2%	3.8571	5.2091	1.6231	0.8342	0.8993	0.9159	0.9751
2	17:34:32	75.8%	4.2343	3.9217	0.9175	1.5768	0.9402	0.8889	0.9206
3	17:35:31	74.5%	3.9685	4.6267	1.1124	1.3221	0.9245	0.9921	0.9919
X		75.2%	4.0200	4.5858	1.2177	1.2444	0.9213	0.9323	0.9625
σ		0.6%	0.1938	0.6447	0.3644	0.3773	0.0206	0.0535	0.0373
%RSD		0.9	4.8202	14.0585	29.9236	30.3240	2.2347	5.7428	3.8764
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:33	75.0%	0.0047	0.0084	0.0593	0.0760	0.0828	75.1%	0.1585
2	17:34:32	73.6%	0.0078	0.0037	0.0499	0.0661	0.0805	77.6%	0.1409
3	17:35:31	71.7%	0.0041	0.0046	0.0863	0.0807	0.0661	75.6%	0.1380
X		73.4%	0.0056	0.0055	0.0652	0.0743	0.0765	76.1%	0.1458
σ		1.6%	0.0020	0.0025	0.0189	0.0074	0.0090	1.3%	0.0111
%RSD		2.2	35.2935	45.0642	28.9983	10.0145	11.8260	1.7	7.5844
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:33	0.1322	6.8024	6.6181	6.6890	80.0%	0.0052	-0.0021	0.8859
2	17:34:32	0.1507	6.4725	6.4193	6.5188	82.5%	0.0017	-0.0014	0.8729
3	17:35:31	0.1570	6.5963	6.7871	6.7351	83.8%	0.0046	-0.0038	0.8655
X		0.1466	6.6238	6.6082	6.6476	82.1%	0.0038	-0.0024	0.8748
σ		0.0129	0.1666	0.1841	0.1140	1.9%	0.0019	0.0012	0.0104
%RSD		8.8138	2.5158	2.7859	1.7142	2.3	49.8902	50.1334	1.1834
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:33:33	0.9244	0.9138	83.7%	0.0260				
2	17:34:32	0.9442	0.9028	86.3%	0.0288				
3	17:35:31	0.9608	0.9190	87.9%	0.0221				
X		0.9431	0.9119	86.0%	0.0256				
σ		0.0182	0.0083	2.1%	0.0033				
%RSD		1.9344	0.9082	2.5	13.0138				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:06	78.7%	0.0222	21.3524	0.1549	1.6459	15.7598	3691.7933	0.2028
2	17:39:05	76.7%	0.0449	21.6047	0.5789	1.5856	14.4793	3692.8505	0.1924
3	17:40:04	78.1%	0.0257	21.6989	-0.0992	1.6037	15.9532	3701.9632	0.1620
X		77.9%	0.0309	21.5520	0.2115	1.6118	15.3974	3695.5356	0.1857
σ		1.0%	0.0122	0.1792	0.3426	0.0309	0.8010	5.5914	0.0212
%RSD		1.3	39.4856	0.8313	161.9418	1.9199	5.2018	0.1513	11.4070
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:06	1.0495	22.1956	0.8900	4.0821	4.0954	9.4739	11.4673	10.4909
2	17:39:05	0.9796	15.8137	0.9877	3.8348	3.9840	9.6276	11.6260	10.1401
3	17:40:04	0.9852	19.5149	0.8953	3.6679	3.9065	9.6876	9.8635	9.8690
X		1.0048	19.1747	0.9243	3.8616	3.9953	9.5964	10.9856	10.1667
σ		0.0389	3.2045	0.0549	0.2084	0.0949	0.1103	0.9750	0.3118
%RSD		3.8671	16.7122	5.9437	5.3970	2.3756	1.1490	8.8753	3.0668
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:06	77.2%	31.8717	4.1609	1.7584	2.0056	0.5469	0.6217	0.6470
2	17:39:05	76.8%	31.6251	4.2016	1.3681	1.2429	0.7220	0.7480	0.5627
3	17:40:04	76.6%	31.3049	4.1473	0.7410	1.4768	0.6225	0.7345	0.5982
X		76.9%	31.6006	4.1699	1.2892	1.5751	0.6305	0.7014	0.6026
σ		0.3%	0.2842	0.0282	0.5133	0.3907	0.0878	0.0694	0.0423
%RSD		0.4	0.8994	0.6772	39.8126	24.8078	13.9344	9.8880	7.0258
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:06	75.1%	0.0047	0.0044	0.0470	0.0565	0.0476	76.8%	0.1054
2	17:39:05	73.6%	0.0048	0.0045	0.0419	0.0559	0.0458	76.0%	0.1021
3	17:40:04	73.3%	0.0063	0.0053	0.0677	0.0599	0.0584	76.4%	0.1150
X		74.0%	0.0053	0.0047	0.0522	0.0574	0.0506	76.4%	0.1075
σ		1.0%	0.0009	0.0005	0.0137	0.0022	0.0068	0.4%	0.0067
%RSD		1.3	17.4076	9.9651	26.2246	3.7922	13.4491	0.6	6.2290
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:06	0.1114	43.8840	43.8361	44.7451	81.1%	0.0019	0.0022	0.3664
2	17:39:05	0.1017	45.5380	44.4235	45.2890	82.8%	-0.0034	0.0033	0.3243
3	17:40:04	0.0801	44.5440	44.6580	44.8442	83.3%	-0.0006	0.0035	0.3480
X		0.0977	44.6553	44.3059	44.9594	82.4%	-0.0007	0.0030	0.3462
σ		0.0160	0.8326	0.4234	0.2897	1.2%	0.0026	0.0007	0.0211
%RSD		16.4182	1.8646	0.9557	0.6443	1.4	395.0800	24.1148	6.1058
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:38:06	0.3892	0.3747	83.5%	0.0860				
2	17:39:05	0.3942	0.3809	84.4%	0.0905				
3	17:40:04	0.3991	0.3817	85.7%	0.0960				
X		0.3941	0.3791	84.5%	0.0909				
σ		0.0050	0.0038	1.1%	0.0050				
%RSD		1.2560	1.0092	1.3	5.5229				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:48	77.7%	0.0369	22.5431	0.4592	1.7332	15.1672	3554.9943	0.1858
2	17:43:47	77.7%	0.0195	22.1441	0.3705	1.6088	14.6201	3542.2399	0.2282
3	17:44:46	77.8%	0.0318	21.3054	0.4903	1.6096	14.0895	3589.7416	0.1695
X		77.7%	0.0294	21.9975	0.4400	1.6505	14.6256	3562.3253	0.1945
σ		0.0%	0.0089	0.6317	0.0622	0.0716	0.5389	24.5847	0.0303
%RSD		0.0	30.4427	2.8716	14.1319	4.3370	3.6844	0.6901	15.5719
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:48	0.9397	23.8503	0.8890	3.7901	3.8277	15.3991	16.4409	15.7271
2	17:43:47	0.8112	20.4551	0.7853	3.5312	3.7015	15.8024	16.0791	15.3272
3	17:44:46	0.7723	18.9699	0.9551	3.5418	3.6922	15.6644	15.5531	15.8508
X		0.8411	21.0918	0.8765	3.6210	3.7405	15.6220	16.0243	15.6350
σ		0.0876	2.5017	0.0856	0.1465	0.0757	0.2050	0.4464	0.2737
%RSD		10.4170	11.8611	9.7646	4.0464	2.0237	1.3120	2.7857	1.7505
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:48	76.8%	30.1117	5.4525	1.9784	1.3796	0.7345	0.6703	0.6886
2	17:43:47	77.0%	30.5474	3.4395	1.3580	1.4119	0.6362	0.6686	0.6761
3	17:44:46	76.4%	30.4338	4.1521	0.5116	1.1526	0.6140	0.6942	0.6795
X		76.8%	30.3643	4.3480	1.2826	1.3147	0.6616	0.6777	0.6814
σ		0.3%	0.2260	1.0207	0.7363	0.1413	0.0641	0.0143	0.0065
%RSD		0.4	0.7443	23.4741	57.4068	10.7499	9.6952	2.1128	0.9537
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:48	73.9%	0.0017	0.0052	0.0442	0.0495	0.0450	77.4%	0.0772
2	17:43:47	75.6%	0.0002	0.0036	0.0412	0.0579	0.0453	76.7%	0.0861
3	17:44:46	73.9%	0.0048	0.0045	0.0444	0.0427	0.0465	76.8%	0.0942
X		74.5%	0.0022	0.0044	0.0433	0.0500	0.0456	77.0%	0.0858
σ		1.0%	0.0023	0.0008	0.0018	0.0076	0.0008	0.4%	0.0085
%RSD		1.4	105.3526	17.7518	4.0772	15.1569	1.7181	0.5	9.9109
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:48	0.0857	41.9350	42.0763	42.4006	80.6%	0.0001	0.0002	0.3711
2	17:43:47	0.0872	42.5362	43.1476	43.0947	82.4%	-0.0016	0.0021	0.3682
3	17:44:46	0.0807	42.4708	42.6929	43.5696	83.9%	0.0024	0.0008	0.3657
X		0.0845	42.3140	42.6389	43.0216	82.3%	0.0003	0.0010	0.3683
σ		0.0034	0.3298	0.5377	0.5880	1.6%	0.0020	0.0010	0.0027
%RSD		4.0744	0.7795	1.2610	1.3667	2.0	690.6120	93.7166	0.7401
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:42:48	0.4085	0.3884	81.6%	0.0933				
2	17:43:47	0.4216	0.3929	84.8%	0.0924				
3	17:44:46	0.4155	0.3869	85.5%	0.0941				
X		0.4152	0.3894	84.0%	0.0933				
σ		0.0066	0.0031	2.0%	0.0009				
%RSD		1.5780	0.8028	2.4	0.9328				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:22	78.5%	0.0005	19.5817	-0.1415	1.6779	16.2073	145.1564	0.1148
2	17:48:21	77.0%	0.0043	20.1688	-0.0408	1.5790	14.8320	143.7018	0.0860
3	17:49:20	77.7%	-0.0063	21.4262	-0.0856	1.6517	14.5444	145.7247	0.0910
x		77.7%	-0.0005	20.3922	-0.0893	1.6362	15.1946	144.8609	0.0973
σ		0.8%	0.0054	0.9423	0.0504	0.0512	0.8887	1.0433	0.0154
%RSD		1.0	1084.0056	4.6210	56.4841	3.1288	5.8491	0.7202	15.8240
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:22	1.0550	17.2986	1.0537	4.6308	4.9988	33.3711	31.3049	32.3159
2	17:48:21	0.9071	17.0423	1.0341	4.3760	4.5514	33.4067	32.0276	32.6776
3	17:49:20	0.8260	12.5803	0.8985	4.3518	4.5902	33.4386	32.3411	32.8458
x		0.9294	15.6404	0.9955	4.4529	4.7135	33.4055	31.8912	32.6131
σ		0.1161	2.6532	0.0845	0.1546	0.2479	0.0338	0.5314	0.2708
%RSD		12.4972	16.9638	8.4913	3.4711	5.2592	0.1011	1.6663	0.8303
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:22	76.2%	3.5924	3.0343	1.1161	1.7549	0.8614	0.9200	0.8641
2	17:48:21	76.5%	3.2237	3.0808	1.0809	0.8277	0.8645	0.8773	0.8948
3	17:49:20	75.1%	3.1727	4.3715	0.9446	1.7768	0.8298	0.9877	0.8965
x		75.9%	3.3296	3.4955	1.0472	1.4531	0.8519	0.9283	0.8851
σ		0.7%	0.2290	0.7590	0.0906	0.5417	0.0192	0.0557	0.0182
%RSD		1.0	6.8776	21.7141	8.6537	37.2792	2.2558	5.9949	2.0598
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:22	74.0%	0.0017	0.0076	0.1050	0.0711	0.0666	76.3%	0.1240
2	17:48:21	74.6%	0.0077	0.0067	0.0778	0.0713	0.0687	77.8%	0.1114
3	17:49:20	73.1%	0.0033	0.0068	0.0816	0.0832	0.0773	77.3%	0.1145
x		73.9%	0.0042	0.0070	0.0881	0.0752	0.0709	77.1%	0.1166
σ		0.8%	0.0031	0.0005	0.0147	0.0069	0.0057	0.8%	0.0066
%RSD		1.1	73.3949	6.8440	16.7095	9.2326	8.0320	1.0	5.6242
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:22	0.1334	5.3504	5.3815	5.4213	80.3%	-0.0080	-0.0017	0.6311
2	17:48:21	0.0984	5.2416	5.3325	5.3911	83.2%	0.0005	-0.0030	0.6276
3	17:49:20	0.1155	5.3567	5.2454	5.3976	83.8%	0.0024	-0.0061	0.6432
x		0.1158	5.3163	5.3198	5.4033	82.4%	-0.0017	-0.0036	0.6340
σ		0.0175	0.0647	0.0689	0.0159	1.9%	0.0056	0.0022	0.0082
%RSD		15.1188	1.2171	1.2955	0.2940	2.3	332.3462	62.3999	1.2929
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:47:22	0.7139	0.6802	81.3%	0.0187				
2	17:48:21	0.7044	0.6754	84.2%	0.0205				
3	17:49:20	0.7185	0.6812	85.5%	0.0168				
x		0.7122	0.6789	83.7%	0.0187				
σ		0.0072	0.0031	2.2%	0.0019				
%RSD		1.0108	0.4583	2.6	10.0087				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:57	78.6%	0.0063	20.7771	-0.1551	1.7366	15.5874	140.4276	0.0944
2	17:52:54	78.3%	0.0025	20.7696	0.2283	1.4968	13.6813	139.4764	0.1182
3	17:53:52	77.6%	0.0092	20.6049	0.0837	1.4987	13.5031	141.4184	0.0988
X		78.2%	0.0060	20.7172	0.0523	1.5774	14.2573	140.4408	0.1038
σ		0.5%	0.0034	0.0973	0.1937	0.1379	1.1554	0.9711	0.0127
%RSD		0.6	56.0126	0.4697	370.4264	8.7451	8.1038	0.6914	12.2153
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:57	0.9765	16.1297	0.9653	4.5490	4.4067	32.6195	32.0498	32.1795
2	17:52:54	0.9301	17.4003	0.9224	4.2772	4.4065	33.1192	31.2909	31.8192
3	17:53:52	0.9401	13.2916	0.8919	4.1619	4.4724	32.5279	31.6351	32.8185
X		0.9489	15.6072	0.9265	4.3294	4.4286	32.7555	31.6586	32.2724
σ		0.0244	2.1036	0.0369	0.1987	0.0380	0.3183	0.3800	0.5061
%RSD		2.5737	13.4782	3.9796	4.5902	0.8574	0.9717	1.2003	1.5683
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:57	77.0%	3.3006	4.0874	1.3705	1.4080	0.8511	0.9489	0.8165
2	17:52:54	76.6%	3.0410	3.6649	0.9389	0.7799	0.8055	0.8783	0.8527
3	17:53:52	75.5%	3.1329	4.1989	1.1940	1.9017	0.9109	0.8958	0.8496
X		76.4%	3.1582	3.9837	1.1678	1.3632	0.8558	0.9077	0.8396
σ		0.8%	0.1316	0.2817	0.2170	0.5623	0.0528	0.0368	0.0201
%RSD		1.1	4.1680	7.0713	18.5793	41.2460	6.1742	4.0528	2.3910
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:57	76.3%	0.0068	0.0074	0.0578	0.0684	0.0552	77.4%	0.1422
2	17:52:54	74.9%	0.0084	0.0059	0.0780	0.0618	0.0805	77.4%	0.1078
3	17:53:52	74.1%	0.0062	0.0052	0.0695	0.0645	0.0654	77.7%	0.1528
X		75.1%	0.0072	0.0062	0.0684	0.0649	0.0671	77.5%	0.1342
σ		1.1%	0.0011	0.0011	0.0102	0.0033	0.0127	0.2%	0.0235
%RSD		1.4	15.9444	18.2354	14.8327	5.1448	18.9703	0.3	17.5337
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:57	0.1220	5.1101	5.2378	5.1851	82.0%	0.0036	0.0000	0.6176
2	17:52:54	0.0916	5.2331	5.1660	5.3095	83.1%	-0.0056	-0.0048	0.6389
3	17:53:52	0.1573	5.3338	5.2453	5.2911	84.1%	-0.0032	-0.0022	0.6448
X		0.1237	5.2257	5.2164	5.2619	83.1%	-0.0018	-0.0023	0.6338
σ		0.0329	0.1120	0.0438	0.0671	1.1%	0.0048	0.0024	0.0143
%RSD		26.5850	2.1440	0.8390	1.2760	1.3	269.5164	104.2644	2.2534
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:51:57	0.6865	0.6657	83.3%	0.0187				
2	17:52:54	0.7055	0.6782	84.7%	0.0217				
3	17:53:52	0.7227	0.6793	85.3%	0.0149				
X		0.7049	0.6744	84.5%	0.0184				
σ		0.0181	0.0076	1.0%	0.0034				
%RSD		2.5653	1.1220	1.2	18.4871				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:27	79.3%	18.9866	37.3630	18.4249	19.7953	31.0933	157.0070	18.5813
2	17:57:24	77.0%	18.1499	37.9201	17.9873	19.2541	29.9311	155.3185	18.0811
3	17:58:23	76.7%	18.1509	37.7728	18.0101	19.1659	29.5555	156.2030	17.9203
X		77.7%	18.4291	37.6853	18.1407	19.4051	30.1933	156.1762	18.1942
σ		1.4%	0.4828	0.2887	0.2463	0.3408	0.8017	0.8446	0.3447
%RSD		1.8	2.6196	0.7660	1.3579	1.7563	2.6553	0.5408	1.8947
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:27	18.9437	38.1982	19.1822	22.6152	23.0926	51.6241	50.6799	50.5189
2	17:57:24	18.3820	36.6253	18.8438	21.4489	21.8648	51.4658	51.3575	50.6520
3	17:58:23	18.3112	30.3252	18.0719	21.7404	22.1670	51.7882	49.1762	50.2910
X		18.5456	35.0496	18.6993	21.9348	22.3748	51.6260	50.4045	50.4873
σ		0.3465	4.1663	0.5691	0.6070	0.6397	0.1612	1.1164	0.1825
%RSD		1.8685	11.8869	3.0434	2.7671	2.8590	0.3122	2.2149	0.3616
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:27	75.6%	21.6206	25.9299	20.7037	21.8259	19.1272	19.8285	19.8369
2	17:57:24	75.7%	21.1814	23.1681	20.5212	19.2782	19.6729	19.9917	19.6297
3	17:58:23	75.6%	21.2458	22.1278	20.9934	21.0714	19.4442	19.5447	20.0420
X		75.7%	21.3493	23.7419	20.7394	20.7252	19.4148	19.7883	19.8362
σ		0.1%	0.2372	1.9649	0.2382	1.3086	0.2741	0.2262	0.2062
%RSD		0.1	1.1111	8.2762	1.1483	6.3142	1.4116	1.1429	1.0394
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:27	75.0%	18.4628	18.3715	18.4286	17.7547	18.4501	76.8%	18.9442
2	17:57:24	73.9%	18.0573	18.1728	18.6231	17.5915	18.5471	77.1%	19.2704
3	17:58:23	72.9%	18.5972	18.2259	19.8609	18.0936	18.2973	77.2%	19.0853
X		73.9%	18.3725	18.2567	18.9709	17.8133	18.4315	77.1%	19.1000
σ		1.1%	0.2811	0.1029	0.7770	0.2561	0.1259	0.2%	0.1636
%RSD		1.4	1.5298	0.5635	4.0955	1.4378	0.6832	0.3	0.8565
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:27	18.5598	23.8931	23.4026	23.4827	80.9%	18.4353	18.3893	18.9032
2	17:57:24	18.8412	23.1332	23.2641	23.3764	83.3%	18.1399	18.0557	18.6981
3	17:58:23	18.9960	23.6928	23.6571	23.5787	84.7%	18.0442	18.0013	18.7699
X		18.7990	23.5730	23.4412	23.4793	83.0%	18.2065	18.1488	18.7904
σ		0.2212	0.3939	0.1993	0.1012	1.9%	0.2039	0.2101	0.1041
%RSD		1.1764	1.6709	0.8504	0.4309	2.3	1.1198	1.1575	0.5539
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:56:27	18.9654	19.0647	82.4%	18.9267				
2	17:57:24	18.8776	18.8383	84.6%	18.9835				
3	17:58:23	18.6884	18.7936	85.9%	18.9504				
X		18.8438	18.8989	84.3%	18.9535				
σ		0.1416	0.1453	1.8%	0.0285				
%RSD		0.7513	0.7691	2.1	0.1506				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:44	82.9%	25.7523	23.8976	24.5504	25.5638	33.4139	24.5832	25.9354
2	18:02:42	83.3%	24.8755	24.3558	24.0282	24.2557	32.4186	24.6330	24.7061
3	18:03:41	84.9%	23.8393	23.6047	23.1812	23.7152	30.6494	24.5952	24.1155
X		83.7%	24.8224	23.9527	23.9199	24.5116	32.1606	24.6038	24.9190
$\sigma$		1.0%	0.9576	0.3785	0.6910	0.9505	1.4002	0.0260	0.9284
%RSD		1.2	3.8579	1.5804	2.8889	3.8778	4.3538	0.1058	3.7259
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:44	26.4563	25.6101	26.0114	25.8766	26.5747	25.0173	24.3630	24.3655
2	18:02:42	25.0420	23.9889	25.2297	25.2169	25.2986	25.1779	25.0533	24.6104
3	18:03:41	24.1723	25.3891	24.8446	24.4851	24.4737	24.3862	24.6248	24.4244
X		25.2235	24.9960	25.3619	25.1929	25.4490	24.8605	24.6804	24.4668
$\sigma$		1.1528	0.8792	0.5945	0.6961	1.0586	0.4185	0.3485	0.1278
%RSD		4.5702	3.5173	2.3442	2.7631	4.1595	1.6834	1.4120	0.5224
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:44	79.7%	23.9643	29.3443	27.5422	25.9749	24.5634	25.2760	24.3507
2	18:02:42	81.9%	23.9338	29.0671	25.6197	25.9818	24.8582	25.0369	25.3106
3	18:03:41	82.7%	23.4849	27.2957	24.4109	24.6284	24.8792	24.5628	24.4727
X		81.5%	23.7943	28.5690	25.8576	25.5284	24.7670	24.9586	24.7113
$\sigma$		1.6%	0.2684	1.1114	1.5792	0.7794	0.1766	0.3630	0.5226
%RSD		1.9	1.1280	3.8902	6.1072	3.0531	0.7130	1.4543	2.1148
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:44	80.2%	25.0889	25.1897	24.8838	24.9069	25.1467	79.1%	25.2527
2	18:02:42	81.8%	24.5906	24.5674	24.1438	24.3951	24.4864	84.0%	24.4228
3	18:03:41	81.8%	24.6076	24.4989	24.5805	24.2412	24.7325	84.9%	24.7193
X		81.3%	24.7623	24.7520	24.5360	24.5144	24.7885	82.7%	24.7983
$\sigma$		1.0%	0.2829	0.3806	0.3720	0.3485	0.3337	3.1%	0.4205
%RSD		1.2	1.1425	1.5376	1.5162	1.4217	1.3461	3.8	1.6958
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:44	25.1986	25.3613	24.8677	25.0010	81.7%	24.8423	24.8128	25.0241
2	18:02:42	24.5915	24.3414	24.0938	24.0226	87.1%	24.5718	24.3013	24.5001
3	18:03:41	24.5519	23.7237	23.9250	24.0077	88.4%	24.7702	24.3878	24.3499
X		24.7807	24.4755	24.2955	24.3438	85.7%	24.7281	24.5006	24.6247
$\sigma$		0.3625	0.8270	0.5026	0.5692	3.5%	0.1400	0.2738	0.3539
%RSD		1.4628	3.3788	2.0689	2.3382	4.1	0.5663	1.1176	1.4373
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:01:44	24.8404	25.0892	81.8%	25.0401				
2	18:02:42	24.3055	24.3805	88.3%	24.5398				
3	18:03:41	24.3027	24.3569	89.7%	24.5407				
X		24.4829	24.6089	86.6%	24.7069				
$\sigma$		0.3096	0.4161	4.2%	0.2886				
%RSD		1.2647	1.6909	4.9	1.1681				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	18:07:22	83.3%	0.0022	-0.0297	-0.3725	0.1318	7.7335	0.0213	0.0044
2	18:08:21	83.7%	0.0020	-0.0495	0.0364	0.1136	6.3191	0.0030	0.0001
3	18:09:19	84.0%	0.0007	-0.0623	-0.0942	0.0691	6.4204	0.0044	-0.0013
X		83.6%	0.0016	-0.0472	-0.1435	0.1049	6.8243	0.0096	0.0011
σ		0.4%	0.0008	0.0164	0.2089	0.0323	0.7890	0.0102	0.0030
%RSD		0.4	47.7419	34.8425	145.5750	30.7534	11.5614	106.3743	276.3400
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	18:07:22	0.0113	3.2026	0.3910	0.1856	0.1780	0.1497	0.5674	0.0417
2	18:08:21	0.0075	-0.0683	0.2940	0.0877	0.1700	0.1159	0.8762	0.0199
3	18:09:19	0.0011	0.2559	0.2355	0.0732	0.1499	0.0927	0.6545	0.0275
X		0.0066	1.1300	0.3068	0.1155	0.1660	0.1195	0.6994	0.0297
σ		0.0052	1.8021	0.0786	0.0611	0.0145	0.0287	0.1592	0.0111
%RSD		77.7812	159.4757	25.6062	52.9180	8.7077	23.9881	22.7637	37.2000
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	18:07:22	80.9%	0.2364	1.1613	1.1313	0.6561	0.0519	0.0747	0.0815
2	18:08:21	82.6%	0.2384	1.0577	0.8022	0.6461	0.1000	0.1090	0.0702
3	18:09:19	83.0%	-0.0888	1.8475	0.5345	0.0969	0.0964	0.0920	0.0835
X		82.2%	0.1287	1.3555	0.8226	0.4664	0.0828	0.0919	0.0784
σ		1.1%	0.1883	0.4292	0.2989	0.3200	0.0268	0.0171	0.0071
%RSD		1.3	146.3936	31.6643	36.3367	68.6139	32.4000	18.6497	9.1009
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	18:07:22	80.5%	0.0050	0.0064	0.0013	0.0033	-0.0009	80.1%	0.0020
2	18:08:21	82.1%	0.0090	0.0090	0.0012	0.0019	0.0023	82.7%	0.0019
3	18:09:19	81.1%	0.0070	0.0069	-0.0015	0.0006	0.0013	82.9%	0.0035
X		81.2%	0.0070	0.0074	0.0003	0.0019	0.0009	81.9%	0.0025
σ		0.8%	0.0020	0.0014	0.0015	0.0013	0.0016	1.5%	0.0009
%RSD		1.0	28.3775	18.8809	471.6405	70.4425	182.0032	1.9	35.6348
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	18:07:22	0.0001	-0.0003	0.0065	0.0002	82.0%	0.0025	-0.0006	0.0237
2	18:08:21	0.0010	0.0106	-0.0082	-0.0018	85.8%	0.0060	-0.0010	0.0087
3	18:09:19	0.0030	0.0104	-0.0037	-0.0062	86.2%	-0.0009	-0.0015	0.0104
X		0.0014	0.0069	-0.0018	-0.0026	84.7%	0.0025	-0.0011	0.0143
σ		0.0015	0.0062	0.0076	0.0033	2.3%	0.0035	0.0004	0.0082
%RSD		105.4873	90.4644	420.9729	124.0556	2.7	137.3538	41.8109	57.7198
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	18:07:22	0.0206	0.0210	82.0%	0.0013				
2	18:08:21	0.0133	0.0139	87.1%	0.0010				
3	18:09:19	0.0161	0.0170	87.9%	0.0015				
X		0.0166	0.0173	85.7%	0.0013				
σ		0.0037	0.0036	3.2%	0.0002				
%RSD		22.0955	20.6484	3.7	18.2815				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:52	76.8%	0.4341	155.9548	3.8125	2.0729	7.9843	45610.8020	1.2920
2	18:21:51	76.5%	0.4340	153.2220	3.4783	2.1227	8.0737	45671.4660	1.2625
3	18:22:50	76.2%	0.4686	154.4320	3.7972	2.0928	7.0109	45645.1080	1.2284
X		76.5%	0.4456	154.5363	3.6960	2.0961	7.6896	45642.4590	1.2610
σ		0.3%	0.0199	1.3693	0.1887	0.0251	0.5895	30.4183	0.0318
%RSD		0.4	4.4743	0.8861	5.1062	1.1952	7.6660	0.0666	2.5243
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:52	1.6021	32.5583	1.5507	5.5489	5.7468	42.7384	50.9424	50.4533
2	18:21:51	1.4895	25.9716	1.3740	5.2527	5.5928	43.5193	53.4528	51.2286
3	18:22:50	1.5004	21.5971	1.2964	5.2021	5.7052	43.4708	52.9953	50.2847
X		1.5306	26.7090	1.4070	5.3346	5.6816	43.2428	52.4635	50.6555
σ		0.0621	5.5177	0.1304	0.1874	0.0796	0.4375	1.3370	0.5034
%RSD		4.0584	20.6586	9.2653	3.5123	1.4018	1.0118	2.5485	0.9938
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:52	83.0%	247.5127	3.0919	1.0527	0.1390	0.1977	0.2348	0.2149
2	18:21:51	81.8%	240.7146	2.9452	0.2220	0.6264	0.2244	0.1989	0.2387
3	18:22:50	81.4%	244.7380	1.9596	0.0734	0.3179	0.2546	0.2376	0.2343
X		82.0%	244.3217	2.6655	0.4494	0.3611	0.2256	0.2238	0.2293
σ		0.8%	3.4181	0.6158	0.5278	0.2465	0.0285	0.0216	0.0126
%RSD		1.0	1.3990	23.1012	117.4460	68.2711	12.6277	9.6480	5.5132
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:52	72.8%	0.0056	0.0053	0.2627	0.2761	0.2274	75.8%	0.0658
2	18:21:51	73.2%	0.0094	0.0076	0.2522	0.2670	0.2593	76.5%	0.0685
3	18:22:50	72.1%	0.0064	0.0092	0.2745	0.2629	0.2545	77.4%	0.0544
X		72.7%	0.0071	0.0074	0.2631	0.2687	0.2471	76.6%	0.0629
σ		0.6%	0.0020	0.0020	0.0112	0.0068	0.0172	0.8%	0.0075
%RSD		0.8	28.0433	26.5086	4.2443	2.5218	6.9553	1.0	11.9112
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:52	0.0681	508.9759	509.3329	527.3912	81.4%	-0.0007	-0.0003	1.3073
2	18:21:51	0.0789	505.2500	503.2458	523.0063	83.5%	0.0016	0.0005	1.3225
3	18:22:50	0.0541	507.2620	499.4699	523.7987	84.5%	-0.0004	0.0009	1.3048
X		0.0670	507.1627	504.0162	524.7321	83.1%	0.0002	0.0004	1.3115
σ		0.0124	1.8649	4.9764	2.3367	1.6%	0.0013	0.0006	0.0096
%RSD		18.5607	0.3677	0.9874	0.4453	1.9	674.6379	160.5487	0.7315
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:20:52	1.4792	1.3993	82.7%	0.3011				
2	18:21:51	1.4348	1.3981	85.2%	0.3061				
3	18:22:50	1.5113	1.4366	86.3%	0.3023				
X		1.4751	1.4113	84.7%	0.3032				
σ		0.0384	0.0219	1.8%	0.0026				
%RSD		2.6057	1.5546	2.2	0.8566				



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*See menu*

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:25	79.2%	0.0041	0.2136	0.0190	0.1291	7.3546	1.2250	-0.0022
2	18:26:23	80.0%	-0.0012	0.3023	0.0617	0.0774	6.9417	9.3072	0.0034
3	18:27:22	81.0%	-0.0021	0.2735	-0.1248	0.0320	7.0935	6.4418	-0.0054
X		80.1%	0.0003	0.2631	-0.0147	0.0795	7.1300	5.6580	-0.0014
σ		0.9%	0.0034	0.0453	0.0977	0.0486	0.2089	4.0977	0.0044
%RSD		1.1	1111.5123	17.2079	665.0330	61.0921	2.9293	72.4238	311.8571
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:25	0.0128	-0.9155	0.2303	0.0732	0.1626	0.0584	0.3345	0.0206
2	18:26:23	0.0089	-2.9892	0.2130	0.0593	0.1125	0.0683	0.2954	0.0258
3	18:27:22	0.0188	-1.0625	0.1833	-0.0168	0.1625	0.0510	0.5582	-0.0425
X		0.0135	-1.6557	0.2089	0.0385	0.1459	0.0592	0.3960	0.0013
σ		0.0049	1.1571	0.0238	0.0484	0.0289	0.0087	0.1418	0.0380
%RSD		36.5703	69.8870	11.3808	125.6717	19.7908	14.6265	35.7999	2966.6630
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:25	77.3%	0.0313	1.3893	0.8038	0.0040	0.0018	0.0208	0.0000
2	18:26:23	78.7%	0.1817	0.9004	0.1425	-0.0379	0.0111	0.0093	0.0101
3	18:27:22	79.0%	0.2074	0.5728	0.1130	-0.0368	0.0133	0.0129	0.0143
X		78.3%	0.1401	0.9542	0.3531	-0.0236	0.0087	0.0143	0.0081
σ		0.9%	0.0951	0.4109	0.3906	0.0239	0.0061	0.0059	0.0073
%RSD		1.2	67.9043	43.0673	110.6237	101.4672	70.2380	41.2528	90.3217
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:25	77.4%	0.0001	0.0013	0.0014	0.0021	0.0014	76.9%	0.0080
2	18:26:23	78.4%	-0.0006	0.0005	-0.0015	0.0020	0.0035	80.5%	0.0100
3	18:27:22	79.4%	0.0008	0.0027	-0.0015	-0.0007	-0.0009	79.8%	0.0125
X		78.4%	0.0001	0.0015	-0.0005	0.0011	0.0013	79.1%	0.0101
σ		1.0%	0.0007	0.0011	0.0016	0.0016	0.0022	1.9%	0.0023
%RSD		1.2	580.6367	72.7847	316.3556	142.3546	163.3090	2.4	22.3360
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:25	0.0013	-0.0208	0.0099	0.0040	81.0%	0.0042	-0.0069	0.0128
2	18:26:23	0.0201	0.1100	0.1105	0.0907	85.1%	-0.0021	-0.0054	0.0086
3	18:27:22	0.0082	0.1022	0.1248	0.0489	85.7%	-0.0055	-0.0064	0.0025
X		0.0099	0.0638	0.0817	0.0479	83.9%	-0.0011	-0.0062	0.0080
σ		0.0095	0.0734	0.0626	0.0434	2.6%	0.0049	0.0008	0.0052
%RSD		96.9152	114.9332	76.6056	90.5978	3.0	443.4417	12.0615	64.8047
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:25:25	0.0042	0.0040	83.0%	0.0011				
2	18:26:23	-0.0031	0.0069	85.7%	-0.0023				
3	18:27:22	0.0138	0.0072	87.6%	-0.0036				
X		0.0050	0.0060	85.5%	-0.0016				
σ		0.0085	0.0017	2.3%	0.0024				
%RSD		170.7276	28.9207	2.7	152.2900				

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Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	18:29:56	81.1%	19.6310	19.1373	18.6229	19.0640	24.9189	18.8615	19.1454
2	18:30:54	81.7%	19.1642	19.4911	18.7634	19.1377	25.0302	20.0083	19.0979
3	18:31:53	81.8%	18.6135	18.9374	18.1914	19.1422	24.6191	20.9358	18.7686
x		81.5%	19.1362	19.1886	18.5259	19.1146	24.8561	19.9352	19.0040
σ		0.4%	0.5093	0.2804	0.2980	0.0439	0.2126	1.0391	0.2052
%RSD		0.4	2.6616	1.4614	1.6088	0.2299	0.8554	5.2122	1.0797
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	18:29:56	19.2764	19.0532	19.4368	19.5160	19.4331	19.8735	19.4339	20.1438
2	18:30:54	19.2927	18.2784	18.8910	19.4750	19.8284	20.1472	19.3803	20.2777
3	18:31:53	19.1160	15.6655	18.6573	19.1614	19.4429	19.9472	20.3840	19.4245
x		19.2284	17.6657	18.9950	19.3841	19.5682	19.9893	19.7327	19.9487
σ		0.0977	1.7750	0.4000	0.1940	0.2255	0.1416	0.5646	0.4588
%RSD		0.5079	10.0478	2.1059	1.0006	1.1522	0.7084	2.8615	2.3000
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	18:29:56	80.6%	19.3198	20.9026	20.1331	20.0358	19.0407	18.8293	19.0915
2	18:30:54	80.0%	18.3983	20.7706	20.7232	19.4634	19.3913	19.4082	19.0368
3	18:31:53	80.5%	17.7281	23.5928	19.1604	18.7014	19.5391	19.3839	19.3476
x		80.4%	18.4821	21.7553	20.0056	19.4002	19.3237	19.2071	19.1587
σ		0.3%	0.7992	1.5926	0.7892	0.6694	0.2560	0.3274	0.1659
%RSD		0.4	4.3240	7.3207	3.9447	3.4507	1.3247	1.7047	0.8659
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	18:29:56	79.6%	18.2725	18.4126	19.2516	18.3908	18.8977	80.3%	19.3838
2	18:30:54	79.8%	18.7514	18.4885	19.6316	18.7600	19.3010	81.1%	19.8196
3	18:31:53	80.3%	18.1532	18.2183	19.5119	18.7351	19.4690	81.5%	19.5822
x		79.9%	18.3924	18.3731	19.4650	18.6286	19.2226	81.0%	19.5952
σ		0.4%	0.3166	0.1393	0.1943	0.2063	0.2936	0.6%	0.2182
%RSD		0.5	1.7212	0.7582	0.9981	1.1076	1.5273	0.8	1.1133
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	18:29:56	19.1353	19.1274	19.2832	19.4716	82.8%	19.3797	19.2543	19.4217
2	18:30:54	19.5324	19.5501	19.1660	19.3842	87.0%	19.3973	19.2383	19.3734
3	18:31:53	19.6797	19.1668	19.2011	19.3528	87.3%	19.2605	19.2325	19.3114
x		19.4491	19.2814	19.2167	19.4028	85.7%	19.3458	19.2417	19.3688
σ		0.2816	0.2335	0.0601	0.0616	2.6%	0.0744	0.0113	0.0553
%RSD		1.4476	1.2109	0.3129	0.3174	3.0	0.3846	0.0587	0.2856
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	18:29:56	19.2462	19.2965	84.0%	19.4277				
2	18:30:54	19.2154	19.3636	87.5%	19.6145				
3	18:31:53	19.2877	19.2689	88.4%	19.5922				
x		19.2497	19.3097	86.6%	19.5448				
σ		0.0363	0.0487	2.3%	0.1020				
%RSD		0.1884	0.2523	2.7	0.5220				

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Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:35:14	84.6%	0.0059	13.4033	0.0269	0.3915	9.1694	118.2070	0.3373
2	18:36:13	83.2%	0.0040	13.7514	0.0799	0.3727	8.4017	116.7657	0.3370
3	18:37:10	82.0%	-0.0005	13.5504	-0.1156	0.3430	7.9329	117.5895	0.3548
X		83.3%	0.0032	13.5684	-0.0029	0.3691	8.5013	117.5207	0.3431
σ		1.3%	0.0033	0.1747	0.1011	0.0244	0.6242	0.7231	0.0102
%RSD		1.5	104.9532	1.2879	3443.8552	6.6189	7.3428	0.6153	2.9700
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:35:14	2.0531	17.6276	2.0319	1.2987	1.4357	8.5905	9.2446	8.4601
2	18:36:13	2.0283	18.6546	1.9214	1.3296	1.3834	8.5465	9.2116	8.5887
3	18:37:10	1.9081	15.3533	1.9038	1.2367	1.2333	8.8067	8.4813	8.6635
X		1.9965	17.2118	1.9524	1.2883	1.3508	8.6479	8.9792	8.5708
σ		0.0775	1.6895	0.0694	0.0473	0.1051	0.1393	0.4315	0.1029
%RSD		3.8831	9.8158	3.5562	3.6721	7.7795	1.6107	4.8056	1.2004
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:35:14	81.1%	1.1788	1.4050	0.7995	0.9993	0.6578	0.7052	0.6229
2	18:36:13	80.3%	1.0253	0.7345	0.4211	0.5282	0.6693	0.6828	0.6698
3	18:37:10	81.0%	0.8658	0.9191	0.0384	0.4430	0.7188	0.7193	0.6987
X		80.8%	1.0233	1.0195	0.4197	0.6569	0.6820	0.7024	0.6638
σ		0.4%	0.1565	0.3464	0.3806	0.2996	0.0324	0.0184	0.0383
%RSD		0.6	15.2966	33.9735	90.6854	45.6144	4.7505	2.6174	5.7689
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:35:14	80.6%	0.0079	0.0056	0.0040	0.0112	0.0123	80.3%	0.2325
2	18:36:13	80.9%	0.0057	0.0106	0.0066	0.0137	0.0144	81.2%	0.2143
3	18:37:10	78.7%	0.0037	0.0049	0.0175	0.0178	0.0166	81.1%	0.2290
X		80.1%	0.0057	0.0071	0.0093	0.0143	0.0144	80.8%	0.2252
σ		1.2%	0.0021	0.0031	0.0072	0.0033	0.0021	0.5%	0.0097
%RSD		1.5	36.3209	44.0537	76.8605	23.3793	14.8480	0.6	4.2884
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:35:14	0.2308	15.9519	15.9200	15.8310	82.7%	0.0060	-0.0017	0.1026
2	18:36:13	0.2405	15.5328	15.7067	15.8415	85.2%	-0.0027	0.0031	0.1315
3	18:37:10	0.2270	15.8100	16.0215	15.8693	85.2%	0.0015	0.0013	0.1187
X		0.2328	15.7649	15.8827	15.8473	84.4%	0.0016	0.0009	0.1176
σ		0.0070	0.2132	0.1607	0.0198	1.4%	0.0044	0.0025	0.0145
%RSD		2.9944	1.3523	1.0116	0.1251	1.7	275.7547	270.2625	12.3288
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:35:14	0.1356	0.1333	83.5%	0.0107				
2	18:36:13	0.1220	0.1368	86.8%	0.0142				
3	18:37:10	0.1290	0.1374	87.3%	0.0145				
X		0.1289	0.1358	85.9%	0.0131				
σ		0.0068	0.0022	2.1%	0.0021				
%RSD		5.2675	1.6144	2.4	16.1283				

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Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:45	83.9%	0.0098	13.8763	-0.1196	0.3724	7.6130	119.8344	0.3700
2	18:40:42	82.6%	0.0042	13.4577	0.1300	0.3616	7.2120	118.7064	0.3618
3	18:41:41	82.6%	0.0060	13.5204	0.1540	0.3198	6.1968	117.4949	0.3473
X		83.0%	0.0067	13.6181	0.0548	0.3513	7.0073	118.6786	0.3597
σ		0.7%	0.0028	0.2258	0.1515	0.0278	0.7300	1.1700	0.0115
%RSD		0.9	42.5272	1.6579	276.3968	7.9092	10.4174	0.9859	3.1971
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:45	2.1283	19.2932	1.9391	1.2711	1.3649	8.7018	8.6181	8.8371
2	18:40:42	2.0846	18.2648	2.0738	1.3188	1.2320	8.8899	8.7750	8.7385
3	18:41:41	2.1065	17.2760	1.7060	1.2096	1.3515	8.5575	7.8661	9.1226
X		2.1065	18.2780	1.9063	1.2665	1.3161	8.7164	8.4197	8.8994
σ		0.0219	1.0086	0.1861	0.0547	0.0732	0.1667	0.4858	0.1995
%RSD		1.0378	5.5183	9.7625	4.3199	5.5587	1.9121	5.7700	2.2419
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:45	80.4%	1.0898	1.0511	0.4626	0.8768	0.6589	0.7186	0.6720
2	18:40:42	79.9%	0.7460	1.1339	0.2862	0.1394	0.7349	0.6869	0.6553
3	18:41:41	80.1%	0.5434	1.5616	0.6171	-0.0784	0.6363	0.6331	0.6266
X		80.1%	0.7931	1.2489	0.4553	0.3126	0.6767	0.6795	0.6513
σ		0.2%	0.2762	0.2739	0.1656	0.5006	0.0516	0.0432	0.0229
%RSD		0.3	34.8305	21.9349	36.3598	160.1427	7.6301	6.3613	3.5232
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:45	80.0%	0.0044	0.0027	0.0121	0.0113	0.0146	79.8%	0.2245
2	18:40:42	77.8%	0.0037	0.0042	0.0201	0.0085	0.0100	81.9%	0.2494
3	18:41:41	79.6%	0.0051	0.0027	0.0094	0.0072	0.0123	80.8%	0.2110
X		79.1%	0.0044	0.0032	0.0139	0.0090	0.0123	80.9%	0.2283
σ		1.2%	0.0007	0.0009	0.0056	0.0021	0.0023	1.1%	0.0195
%RSD		1.5	15.5689	26.4631	40.3270	23.0776	19.0103	1.3	8.5360
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:45	0.1922	16.2823	15.9950	15.9308	83.6%	-0.0052	-0.0015	0.1259
2	18:40:42	0.2059	15.6920	16.3498	15.8474	86.0%	0.0018	-0.0014	0.1335
3	18:41:41	0.2372	16.1296	15.8250	16.1404	86.0%	-0.0038	-0.0049	0.1289
X		0.2118	16.0346	16.0566	15.9729	85.2%	-0.0024	-0.0026	0.1294
σ		0.0231	0.3064	0.2678	0.1510	1.4%	0.0037	0.0020	0.0038
%RSD		10.8895	1.9107	1.6676	0.9451	1.6	154.3241	77.4459	2.9615
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:39:45	0.1522	0.1349	84.5%	0.0117				
2	18:40:42	0.1681	0.1428	87.0%	0.0148				
3	18:41:41	0.1412	0.1364	87.4%	0.0159				
X		0.1538	0.1381	86.3%	0.0141				
σ		0.0135	0.0042	1.6%	0.0022				
%RSD		8.8047	3.0302	1.8	15.5705				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:15	83.0%	20.3818	33.4218	19.5239	19.8715	24.4307	141.8462	20.3534
2	18:45:13	82.1%	19.6971	33.3853	18.9506	18.9708	24.4245	138.5146	19.5118
3	18:46:12	82.0%	18.8682	32.9262	18.5187	19.1858	25.1712	140.2999	19.6878
X		82.3%	19.6490	33.2444	18.9977	19.3427	24.6754	140.2202	19.8510
$\sigma$		0.6%	0.7579	0.2762	0.5043	0.4704	0.4293	1.6672	0.4439
%RSD		0.7	3.8573	0.8308	2.6543	2.4321	1.7399	1.1890	2.2363
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:15	21.8634	37.4614	21.7660	20.9248	20.7141	28.4228	30.0340	29.6136
2	18:45:13	21.3078	41.4756	20.9734	20.3995	19.9177	28.5046	28.4933	28.4368
3	18:46:12	20.4328	39.0244	20.9239	20.0926	20.1459	28.8644	28.8420	28.2664
X		21.2013	39.3205	21.2211	20.4723	20.2592	28.5973	29.1231	28.7723
$\sigma$		0.7212	2.0234	0.4725	0.4209	0.4101	0.2349	0.8079	0.7336
%RSD		3.4018	5.1458	2.2267	2.0558	2.0243	0.8215	2.7740	2.5497
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:15	80.5%	19.5696	22.2511	20.2200	19.1118	20.2444	20.2826	19.7912
2	18:45:13	80.4%	19.0000	20.8674	19.1710	19.0483	20.1715	19.6946	20.0312
3	18:46:12	78.9%	19.4154	23.0865	20.4644	19.4667	20.4210	19.8970	20.2752
X		79.9%	19.3283	22.0683	19.9518	19.2090	20.2790	19.9581	20.0325
$\sigma$		0.9%	0.2946	1.1208	0.6871	0.2255	0.1283	0.2987	0.2420
%RSD		1.1	1.5243	5.0786	3.4440	1.1737	0.6325	1.4966	1.2082
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:15	79.5%	18.3529	18.7753	19.8429	18.4513	19.3345	79.3%	20.1957
2	18:45:13	78.9%	18.2896	17.9258	19.9418	18.8001	19.0839	80.7%	20.0918
3	18:46:12	78.2%	18.0727	17.9969	19.2129	18.8859	19.1997	80.2%	20.1475
X		78.9%	18.2384	18.2326	19.6659	18.7124	19.2061	80.1%	20.1450
$\sigma$		0.6%	0.1469	0.4713	0.3954	0.2302	0.1254	0.7%	0.0520
%RSD		0.8	0.8056	2.5849	2.0106	1.2300	0.6530	0.9	0.2579
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:15	20.0385	36.1284	36.0940	36.1448	83.5%	19.2820	19.3307	19.4717
2	18:45:13	19.9944	35.9693	35.3408	35.9196	85.1%	19.4454	19.2255	19.5601
3	18:46:12	19.6978	35.8967	35.3083	35.7073	86.3%	19.0023	19.0102	19.3931
X		19.9103	35.9982	35.5811	35.9239	85.0%	19.2432	19.1888	19.4750
$\sigma$		0.1853	0.1185	0.4445	0.2188	1.4%	0.2240	0.1634	0.0835
%RSD		0.9305	0.3292	1.2493	0.6089	1.6	1.1643	0.8513	0.4290
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:44:15	19.4069	19.3911	84.6%	19.7381				
2	18:45:13	19.5458	19.3631	86.3%	19.8003				
3	18:46:12	19.4184	19.3809	87.3%	19.9338				
X		19.4570	19.3784	86.0%	19.8241				
$\sigma$		0.0771	0.0142	1.4%	0.1000				
%RSD		0.3963	0.0731	1.6	0.5044				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:36	85.4%	-0.0002	0.1914	-0.0523	0.1434	4.5451	0.0512	-0.0020
2	18:50:35	85.2%	-0.0084	0.2286	-0.1893	0.0650	3.9879	0.0900	0.0002
3	18:51:34	86.7%	-0.0046	0.2746	0.0135	0.0882	3.4634	0.0928	0.0017
X		85.8%	-0.0044	0.2315	-0.0760	0.0989	3.9988	0.0780	-0.0000
σ		0.8%	0.0041	0.0417	0.1034	0.0403	0.5409	0.0233	0.0019
%RSD		0.9	92.4784	17.9913	136.0655	40.7525	13.5275	29.8220	6181.8992
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:36	0.0073	1.1865	0.3216	0.1666	0.0581	0.1771	0.8660	0.2626
2	18:50:35	0.0164	-1.1641	0.1666	0.1082	0.0615	0.2510	0.3471	0.2739
3	18:51:34	0.0041	-0.4068	0.2357	0.0678	0.0659	0.2865	0.3004	0.1510
X		0.0093	-0.1281	0.2413	0.1142	0.0619	0.2382	0.5045	0.2292
σ		0.0064	1.1998	0.0776	0.0497	0.0039	0.0558	0.3139	0.0679
%RSD		68.7800	936.4189	32.1779	43.5039	6.3128	23.4346	62.2281	29.6412
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:36	83.1%	0.1806	0.5027	1.2158	0.7715	0.0532	0.0483	0.0400
2	18:50:35	84.2%	0.4064	0.4270	0.3095	1.3505	0.0843	0.0732	0.0537
3	18:51:34	83.1%	0.0678	0.1970	0.5942	-0.1129	0.0551	0.0658	0.0440
X		83.5%	0.2183	0.3756	0.7065	0.6697	0.0642	0.0624	0.0459
σ		0.6%	0.1724	0.1592	0.4635	0.7370	0.0174	0.0128	0.0071
%RSD		0.8	78.9945	42.3953	65.6017	110.0440	27.1201	20.5181	15.3667
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:36	81.8%	0.0029	0.0020	0.0012	0.0019	-0.0009	81.1%	0.0059
2	18:50:35	81.8%	0.0063	0.0048	0.0092	0.0071	0.0002	81.8%	0.0035
3	18:51:34	82.3%	0.0055	0.0040	0.0038	0.0006	0.0002	84.0%	0.0050
X		81.9%	0.0049	0.0036	0.0047	0.0032	-0.0002	82.3%	0.0048
σ		0.3%	0.0018	0.0015	0.0041	0.0035	0.0006	1.5%	0.0012
%RSD		0.4	36.9963	40.9263	86.1494	108.0477	355.8720	1.8	25.5213
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:36	0.0031	-0.0008	0.0038	0.0046	83.4%	0.0015	0.0005	0.0025
2	18:50:35	0.0089	-0.0013	0.0193	-0.0026	86.3%	-0.0005	-0.0049	-0.0060
3	18:51:34	0.0020	0.0059	0.0139	0.0064	87.4%	0.0017	-0.0012	0.0012
X		0.0047	0.0013	0.0123	0.0028	85.7%	0.0009	-0.0019	-0.0008
σ		0.0038	0.0040	0.0079	0.0048	2.0%	0.0012	0.0028	0.0046
%RSD		80.4406	319.5174	63.8587	171.4733	2.4	130.5468	149.3172	582.9746
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:49:36	-0.0000	0.0036	83.3%	-0.0001				
2	18:50:35	0.0051	0.0035	87.6%	0.0007				
3	18:51:34	0.0034	0.0038	89.1%	0.0031				
X		0.0028	0.0036	86.7%	0.0012				
σ		0.0026	0.0001	3.0%	0.0017				
%RSD		92.4591	3.2508	3.4	137.6054				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:14	82.4%	0.0129	14.2058	-0.3090	0.5437	6.7919	119.4028	0.3777
2	18:55:13	82.4%	0.0031	13.5596	-0.2520	0.4875	6.2395	117.8469	0.3325
3	18:56:12	81.8%	0.0069	13.1712	0.2092	0.4829	4.8631	118.0925	0.3646
X		82.2%	0.0076	13.6455	-0.1173	0.5047	5.9648	118.4474	0.3583
σ		0.3%	0.0049	0.5226	0.2842	0.0339	0.9933	0.8365	0.0233
%RSD		0.4	64.5551	3.8299	242.3443	6.7093	16.6529	0.7062	6.5014
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:14	2.0946	24.3909	2.1157	1.3884	1.3166	9.3174	8.7717	8.9309
2	18:55:13	2.0830	18.1186	2.0208	1.2945	1.2965	8.9986	9.4490	8.8771
3	18:56:12	2.0079	18.2697	2.0087	1.2746	1.3169	8.9119	10.0026	9.0472
X		2.0618	20.2597	2.0484	1.3192	1.3100	9.0760	9.4078	8.9517
σ		0.0471	3.5785	0.0586	0.0607	0.0117	0.2135	0.6165	0.0869
%RSD		2.2834	17.6629	2.8596	4.6045	0.8928	2.3527	6.5529	0.9712
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:14	78.3%	0.8624	1.6113	1.0030	0.8037	0.7297	0.6581	0.5881
2	18:55:13	78.7%	0.7474	1.2213	0.3104	-0.0380	0.7874	0.6921	0.6468
3	18:56:12	79.1%	0.7185	1.2844	0.2552	0.2726	0.6948	0.6367	0.7057
X		78.7%	0.7761	1.3723	0.5229	0.3461	0.7373	0.6623	0.6469
σ		0.4%	0.0761	0.2093	0.4167	0.4256	0.0468	0.0279	0.0588
%RSD		0.5	9.8103	15.2524	79.7006	122.9775	6.3433	4.2142	9.0848
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:14	79.0%	0.0044	0.0050	0.0095	0.0167	0.0080	79.8%	0.2167
2	18:55:13	78.4%	0.0066	0.0072	0.0149	0.0167	0.0124	80.2%	0.2102
3	18:56:12	77.0%	0.0082	0.0087	0.0095	0.0141	0.0180	80.0%	0.2259
X		78.1%	0.0064	0.0070	0.0113	0.0158	0.0128	80.0%	0.2176
σ		1.0%	0.0019	0.0019	0.0031	0.0015	0.0050	0.2%	0.0079
%RSD		1.3	29.3917	27.3085	27.6108	9.4959	39.1090	0.3	3.6137
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:14	0.2138	15.1746	15.4924	15.9576	83.0%	-0.0051	-0.0051	0.1311
2	18:55:13	0.2451	15.9998	15.7638	15.9244	85.0%	-0.0014	-0.0008	0.1476
3	18:56:12	0.2304	15.8201	15.4636	15.8754	85.5%	-0.0003	-0.0058	0.1333
X		0.2298	15.6649	15.5733	15.9191	84.5%	-0.0023	-0.0039	0.1373
σ		0.0157	0.4340	0.1656	0.0414	1.3%	0.0025	0.0027	0.0089
%RSD		6.8229	2.7702	1.0635	0.2598	1.6	112.2908	69.5969	6.5161
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:54:14	0.1474	0.1333	84.1%	0.0122				
2	18:55:13	0.1355	0.1445	86.6%	0.0132				
3	18:56:12	0.1326	0.1367	87.2%	0.0125				
X		0.1385	0.1382	86.0%	0.0126				
σ		0.0079	0.0057	1.6%	0.0005				
%RSD		5.6875	4.1602	1.9	4.1867				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:58	84.6%	0.1758	26.8954	-0.0847	1.8292	5.5759	23.7284	0.3039
2	18:59:57	83.2%	0.1760	26.7377	0.0738	1.9370	5.2784	23.4247	0.2648
3	19:00:54	83.6%	0.1666	27.1053	0.2189	1.7630	4.8147	23.2587	0.2616
X		83.8%	0.1728	26.9128	0.0693	1.8431	5.2230	23.4706	0.2768
σ		0.7%	0.0054	0.1844	0.1519	0.0878	0.3836	0.2382	0.0235
%RSD		0.9	3.1096	0.6852	219.1462	4.7641	7.3446	1.0148	8.5069
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:58	0.9156	4.1404	1.2409	16.1657	16.4512	15.1625	14.1942	14.1153
2	18:59:57	0.8049	0.8185	0.9600	15.3006	15.4576	15.0266	13.7985	14.6486
3	19:00:54	0.7916	0.3853	0.9534	15.3245	15.3150	14.8382	14.2278	14.8956
X		0.8374	1.7814	1.0514	15.5970	15.7413	15.0091	14.0735	14.5532
σ		0.0681	2.0544	0.1641	0.4927	0.6189	0.1628	0.2387	0.3988
%RSD		8.1292	115.3276	15.6106	3.1591	3.9318	1.0848	1.6962	2.7406
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:58	81.5%	12.7412	1.0829	0.9270	0.1819	0.1758	0.1680	0.1601
2	18:59:57	81.6%	13.4930	0.1507	0.1454	0.8604	0.1843	0.1582	0.2026
3	19:00:54	82.0%	12.8452	0.2763	-0.0446	-0.1599	0.1633	0.1949	0.1852
X		81.7%	13.0265	0.5033	0.3426	0.2941	0.1745	0.1737	0.1826
σ		0.2%	0.4074	0.5058	0.5149	0.5193	0.0106	0.0190	0.0214
%RSD		0.3	3.1274	100.4986	150.3120	176.5620	6.0656	10.9124	11.7158
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:58	81.3%	0.0022	0.0012	0.0092	0.0241	0.0143	81.9%	0.0399
2	18:59:57	82.9%	0.0049	0.0027	0.0092	0.0163	0.0143	81.3%	0.0495
3	19:00:54	80.4%	0.0029	0.0048	0.0172	0.0136	0.0164	82.3%	0.0482
X		81.5%	0.0033	0.0029	0.0118	0.0180	0.0150	81.8%	0.0459
σ		1.2%	0.0014	0.0018	0.0046	0.0054	0.0012	0.5%	0.0052
%RSD		1.5	42.5936	62.3061	38.9724	30.2309	7.9506	0.6	11.3833
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:58	0.0475	3.9375	4.0193	3.9768	83.6%	-0.0021	0.0016	0.1013
2	18:59:57	0.0338	4.1487	4.0354	4.0132	86.4%	0.0018	0.0009	0.1085
3	19:00:54	0.0393	4.0676	3.8144	3.9676	86.6%	0.0032	-0.0046	0.1168
X		0.0402	4.0513	3.9564	3.9859	85.6%	0.0009	-0.0007	0.1089
σ		0.0069	0.1065	0.1232	0.0241	1.7%	0.0028	0.0034	0.0078
%RSD		17.2633	2.6300	3.1137	0.6043	2.0	296.0277	479.6805	7.1376
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:58:58	0.1022	0.1110	84.2%	-0.0010				
2	18:59:57	0.1206	0.1164	86.6%	0.0022				
3	19:00:54	0.1287	0.1097	88.3%	-0.0008				
X		0.1172	0.1123	86.4%	0.0001				
σ		0.0136	0.0035	2.0%	0.0018				
%RSD		11.6109	3.1459	2.4	1335.3408				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:33	86.2%	-0.0016	2.7815	-0.3541	0.2658	5.5040	115.5048	0.3401
2	19:04:32	86.1%	0.0142	2.7922	-0.0362	0.2028	4.2607	113.3230	0.3265
3	19:05:31	86.3%	0.0118	2.7291	-0.1814	0.2303	4.6497	113.9212	0.3134
X		86.2%	0.0081	2.7676	-0.1906	0.2330	4.8048	114.2497	0.3267
σ		0.1%	0.0085	0.0338	0.1591	0.0316	0.6360	1.1274	0.0133
%RSD		0.1	104.4620	1.2198	83.5165	13.5501	13.2369	0.9868	4.0821
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:33	2.1861	21.6457	2.1212	0.9644	0.9892	7.7260	7.2624	8.3323
2	19:04:32	1.9321	17.3763	1.7591	0.8071	0.8332	7.6769	7.6377	7.6010
3	19:05:31	1.8532	15.7274	1.5552	0.7991	0.8724	7.5391	7.5918	7.4955
X		1.9905	18.2498	1.8118	0.8568	0.8983	7.6473	7.4973	7.8096
σ		0.1739	3.0543	0.2867	0.0932	0.0812	0.0969	0.2047	0.4557
%RSD		8.7388	16.7361	15.8220	10.8780	9.0377	1.2673	2.7304	5.8351
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:33	81.0%	0.2853	1.9077	0.4616	0.3975	0.5921	0.6143	0.5683
2	19:04:32	82.2%	0.3430	1.1303	0.5514	-0.0308	0.5792	0.6226	0.5864
3	19:05:31	80.8%	0.4972	1.3459	0.1526	-0.1183	0.6470	0.6605	0.5960
X		81.3%	0.3752	1.4613	0.3885	0.0828	0.6061	0.6324	0.5836
σ		0.8%	0.1096	0.4013	0.2092	0.2760	0.0360	0.0246	0.0141
%RSD		0.9	29.2060	27.4643	53.8379	333.2936	5.9446	3.8920	2.4109
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:33	80.6%	0.0008	0.0020	-0.0015	0.0073	0.0079	80.1%	0.2146
2	19:04:32	81.3%	0.0049	0.0005	0.0117	0.0045	0.0045	82.8%	0.2023
3	19:05:31	81.4%	0.0035	0.0012	0.0012	0.0045	0.0034	82.9%	0.1849
X		81.1%	0.0031	0.0012	0.0038	0.0054	0.0053	82.0%	0.2006
σ		0.4%	0.0021	0.0007	0.0070	0.0016	0.0024	1.6%	0.0149
%RSD		0.5	68.0913	59.0984	182.6096	29.9636	45.1944	1.9	7.4380
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:33	0.2174	15.2468	14.8313	15.0548	84.6%	-0.0072	-0.0034	0.0250
2	19:04:32	0.1939	14.6985	14.9400	14.8003	86.8%	-0.0028	-0.0050	0.0111
3	19:05:31	0.1722	14.5303	14.6181	14.9191	87.3%	-0.0000	-0.0022	0.0192
X		0.1945	14.8252	14.7965	14.9247	86.3%	-0.0033	-0.0035	0.0184
σ		0.0226	0.3747	0.1637	0.1273	1.4%	0.0036	0.0014	0.0070
%RSD		11.6149	2.5273	1.1065	0.8531	1.7	108.9563	39.0319	38.0433
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:03:33	0.0177	0.0235	85.3%	0.0084				
2	19:04:32	0.0194	0.0194	88.5%	0.0113				
3	19:05:31	0.0125	0.0169	89.2%	0.0153				
X		0.0165	0.0199	87.7%	0.0117				
σ		0.0036	0.0033	2.1%	0.0034				
%RSD		21.8653	16.7927	2.4	29.3244				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:06	86.5%	24.8404	23.9518	23.6341	24.2986	27.5629	24.2256	24.6293
2	19:09:04	87.7%	23.8956	23.4338	23.3429	23.9395	27.0622	24.2084	24.1179
3	19:10:03	87.5%	23.9053	23.3662	23.5459	23.4098	25.7077	23.8102	23.8487
X		87.2%	24.2138	23.5839	23.5076	23.8827	26.7776	24.0814	24.1986
σ		0.6%	0.5427	0.3204	0.1493	0.4471	0.9598	0.2350	0.3965
%RSD		0.7	2.2413	1.3584	0.6352	1.8720	3.5842	0.9760	1.6385
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:06	24.6111	28.9996	25.4259	24.7006	24.6738	24.8440	25.5403	24.8166
2	19:09:04	24.3491	25.2201	24.8380	24.3046	24.5063	24.5922	24.9431	23.6542
3	19:10:03	23.5969	23.3572	23.0715	24.1302	24.5499	23.8849	25.4825	23.6156
X		24.1857	25.8590	24.4452	24.3785	24.5767	24.4404	25.3220	24.0288
σ		0.5264	2.8750	1.2254	0.2923	0.0869	0.4972	0.3293	0.6826
%RSD		2.1767	11.1178	5.0128	1.1990	0.3534	2.0344	1.3006	2.8406
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:06	84.4%	24.3589	24.9446	25.4307	25.2038	23.8492	23.7975	23.8431
2	19:09:04	85.1%	24.2911	27.3119	24.8102	25.2259	24.3210	24.0748	24.0269
3	19:10:03	84.6%	23.4943	26.4725	24.5976	25.7891	24.2882	24.3420	24.2554
X		84.7%	24.0481	26.2430	24.9461	25.4063	24.1528	24.0714	24.0418
σ		0.3%	0.4808	1.2003	0.4329	0.3317	0.2634	0.2723	0.2065
%RSD		0.4	1.9994	4.5736	1.7352	1.3056	1.0906	1.1310	0.8591
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:06	84.4%	24.5073	24.2392	24.0427	24.0402	24.1844	84.4%	24.2128
2	19:09:04	83.7%	24.7775	24.4910	24.3212	24.5541	24.5435	85.1%	24.7183
3	19:10:03	82.0%	24.5508	24.5252	24.1769	23.9535	24.5027	86.5%	24.2735
X		83.4%	24.6119	24.4185	24.1803	24.1826	24.4102	85.3%	24.4016
σ		1.2%	0.1451	0.1562	0.1392	0.3246	0.1966	1.0%	0.2760
%RSD		1.5	0.5895	0.6395	0.5759	1.3424	0.8055	1.2	1.1311
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:06	24.2669	24.2200	24.2632	24.0058	84.9%	24.4028	24.2846	24.4414
2	19:09:04	24.4917	24.6091	24.3566	24.4624	87.5%	24.3273	24.3744	24.4019
3	19:10:03	23.6387	23.4554	23.8771	23.8998	89.3%	24.3252	24.0826	24.1357
X		24.1325	24.0948	24.1656	24.1226	87.2%	24.3517	24.2472	24.3263
σ		0.4421	0.5869	0.2542	0.2989	2.2%	0.0442	0.1495	0.1663
%RSD		1.8321	2.4359	1.0520	1.2393	2.5	0.1815	0.6164	0.6836
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:08:06	24.1958	24.3480	86.8%	24.2082				
2	19:09:04	24.3472	24.3275	89.5%	24.4073				
3	19:10:03	24.0047	24.0961	90.5%	24.4626				
X		24.1826	24.2572	89.0%	24.3594				
σ		0.1716	0.1399	1.9%	0.1338				
%RSD		0.7096	0.5768	2.1	0.5494				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	19:22:27	83.3%	0.0016	-0.0117	-0.2406	0.0701	2.0766	0.0359	0.0014
2	19:23:26	84.7%	-0.0024	-0.0298	-0.3109	0.0466	1.9361	0.0353	-0.0027
3	19:24:25	84.0%	-0.0022	-0.0347	-0.2284	0.0513	1.5571	0.0122	-0.0066
X		84.0%	-0.0010	-0.0254	-0.2600	0.0560	1.8566	0.0278	-0.0026
σ		0.7%	0.0023	0.0121	0.0445	0.0125	0.2687	0.0135	0.0040
%RSD		0.8	222.3741	47.6229	17.1343	22.2405	14.4736	48.6129	152.4015
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	19:22:27	0.0181	0.3871	0.3026	0.1385	0.0416	0.0449	0.2160	0.0572
2	19:23:26	0.0048	-0.9452	0.1527	0.0608	0.0431	0.0531	-0.1314	0.0111
3	19:24:25	-0.0082	-0.3603	0.2975	0.0837	0.0481	0.0492	0.2451	0.0235
X		0.0049	-0.3061	0.2509	0.0943	0.0443	0.0491	0.1099	0.0306
σ		0.0131	0.6678	0.0851	0.0399	0.0034	0.0041	0.2095	0.0238
%RSD		267.9694	218.1655	33.9185	42.3372	7.7166	8.3435	190.6753	77.8053
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	19:22:27	80.2%	0.2345	0.1104	1.4826	0.4426	0.0406	0.0383	0.0352
2	19:23:26	80.8%	0.2794	-0.0214	0.4290	0.6563	0.0381	0.0418	0.0365
3	19:24:25	81.1%	0.2625	-0.0856	0.6776	0.5270	0.0337	0.0347	0.0466
X		80.7%	0.2588	0.0011	0.8631	0.5419	0.0375	0.0382	0.0394
σ		0.5%	0.0227	0.1000	0.5507	0.1076	0.0035	0.0036	0.0062
%RSD		0.6	8.7542	8906.6200	63.8094	19.8563	9.2225	9.2868	15.8189
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	19:22:27	80.5%	0.0065	0.0049	-0.0015	0.0046	0.0013	79.7%	0.0028
2	19:23:26	80.7%	0.0036	0.0062	-0.0015	0.0006	0.0002	82.8%	0.0050
3	19:24:25	80.1%	0.0071	0.0041	0.0039	0.0032	-0.0009	82.0%	0.0011
X		80.4%	0.0057	0.0051	0.0003	0.0028	0.0002	81.5%	0.0030
σ		0.3%	0.0019	0.0011	0.0031	0.0020	0.0011	1.6%	0.0020
%RSD		0.4	33.1069	20.9323	942.8161	72.9537	526.2371	2.0	65.1818
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	19:22:27	0.0001	-0.0086	0.0042	-0.0012	82.4%	-0.0002	0.0004	0.0211
2	19:23:26	0.0040	-0.0176	0.0031	-0.0021	86.4%	0.0004	-0.0027	0.0146
3	19:24:25	-0.0009	-0.0055	0.0122	-0.0016	87.6%	-0.0019	-0.0032	0.0213
X		0.0011	-0.0106	0.0065	-0.0016	85.5%	-0.0006	-0.0019	0.0190
σ		0.0026	0.0063	0.0050	0.0004	2.7%	0.0012	0.0020	0.0038
%RSD		241.9770	59.3144	76.5753	25.5838	3.2	206.7398	105.3791	20.0825
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	19:22:27	0.0282	0.0223	84.1%	-0.0020				
2	19:23:26	0.0192	0.0154	87.6%	0.0029				
3	19:24:25	0.0250	0.0227	87.7%	0.0005				
X		0.0241	0.0201	86.5%	0.0005				
σ		0.0046	0.0041	2.1%	0.0024				
%RSD		18.9485	20.3403	2.4	533.8686				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:59	84.6%	0.0030	0.1719	-0.1263	0.1331	1.5986	0.0256	-0.0099
2	19:27:58	85.5%	0.0021	0.1786	-0.2488	0.0819	1.6269	0.0353	-0.0022
3	19:28:55	85.0%	-0.0054	0.1481	-0.1764	0.0878	1.3829	0.0407	-0.0075
X		85.0%	-0.0001	0.1662	-0.1838	0.1010	1.5361	0.0339	-0.0065
σ		0.5%	0.0046	0.0160	0.0616	0.0280	0.1335	0.0076	0.0040
%RSD		0.6	4062.7563	9.6564	33.5166	27.7331	8.6894	22.5934	60.8801
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:59	0.0303	-0.0177	0.3763	0.1880	0.1270	0.2794	0.2024	0.3024
2	19:27:58	0.0337	0.1638	0.3271	0.1285	0.1443	0.3549	0.3655	0.2870
3	19:28:55	0.0714	-0.5622	0.2328	0.1478	0.0898	0.3522	0.4115	0.2506
X		0.0451	-0.1387	0.3121	0.1548	0.1203	0.3288	0.3264	0.2800
σ		0.0228	0.3778	0.0729	0.0303	0.0278	0.0429	0.1099	0.0266
%RSD		50.4801	272.3872	23.3689	19.6015	23.1167	13.0320	33.6615	9.4963
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:59	81.4%	-0.1769	0.7086	0.8116	-0.2431	0.0038	0.0123	0.0027
2	19:27:58	81.0%	0.0744	0.5372	0.3706	0.4835	0.0017	0.0163	0.0084
3	19:28:55	82.1%	0.3221	-0.0979	0.4427	0.7331	0.0083	0.0088	0.0165
X		81.5%	0.0732	0.3826	0.5416	0.3245	0.0046	0.0124	0.0092
σ		0.6%	0.2495	0.4248	0.2366	0.5071	0.0034	0.0037	0.0069
%RSD		0.7	340.7527	111.0360	43.6839	156.2708	73.7657	30.0785	75.1474
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:59	82.9%	0.0014	0.0012	-0.0015	0.0006	-0.0009	80.7%	0.0004
2	19:27:58	80.7%	0.0008	0.0005	-0.0015	0.0006	0.0002	83.1%	0.0027
3	19:28:55	82.1%	0.0014	0.0005	-0.0015	-0.0007	-0.0009	83.1%	0.0011
X		81.9%	0.0012	0.0008	-0.0015	0.0002	-0.0005	82.3%	0.0014
σ		1.2%	0.0004	0.0004	0.0000	0.0008	0.0006	1.4%	0.0012
%RSD		1.4	31.7396	54.9952	0.0000	471.5972	116.2497	1.7	84.7888
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:59	0.0011	-0.0049	0.0247	0.0188	84.5%	-0.0028	-0.0054	0.0113
2	19:27:58	-0.0009	-0.0097	0.0278	0.0151	86.6%	-0.0060	-0.0046	0.0043
3	19:28:55	0.0098	0.0103	0.0210	0.0057	86.6%	-0.0048	-0.0029	0.0112
X		0.0033	-0.0014	0.0245	0.0132	85.9%	-0.0045	-0.0043	0.0089
σ		0.0057	0.0104	0.0034	0.0067	1.2%	0.0016	0.0013	0.0040
%RSD		171.1794	719.7773	13.8438	51.1418	1.4	35.9830	30.2251	45.0366
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:26:59	0.0021	0.0081	84.7%	-0.0026				
2	19:27:58	0.0038	0.0041	87.6%	-0.0034				
3	19:28:55	0.0006	0.0059	88.3%	0.0001				
X		0.0022	0.0060	86.9%	-0.0020				
σ		0.0016	0.0020	1.9%	0.0018				
%RSD		72.3714	32.7494	2.2	92.0532				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:30	86.5%	0.0047	2.7677	-0.2522	0.2691	3.3638	111.3816	0.3119
2	19:32:29	85.6%	0.0003	2.8952	-0.2318	0.2355	3.4090	113.4907	0.3300
3	19:33:28	85.9%	-0.0044	2.9467	-0.1478	0.2405	2.9169	114.1259	0.3328
x		86.0%	0.0002	2.8699	-0.2106	0.2484	3.2299	112.9994	0.3249
σ		0.5%	0.0046	0.0922	0.0553	0.0181	0.2720	1.4366	0.0114
%RSD		0.5	2424.6347	3.2118	26.2805	7.3063	8.4218	1.2713	3.5001
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:30	1.9100	19.7013	2.1865	0.9165	0.8183	7.7319	7.2990	7.4557
2	19:32:29	1.8744	15.1252	1.8202	0.9621	0.9239	7.6759	8.4560	7.4526
3	19:33:28	1.9522	16.2170	1.7839	0.8384	0.8156	7.6908	8.3146	7.5781
x		1.9122	17.0145	1.9302	0.9057	0.8526	7.6995	8.0232	7.4954
σ		0.0389	2.3900	0.2227	0.0625	0.0618	0.0290	0.6312	0.0716
%RSD		2.0363	14.0471	11.5379	6.9055	7.2430	0.3766	7.8669	0.9549
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:30	83.1%	0.6605	1.2934	0.6868	0.8557	0.5807	0.6376	0.5755
2	19:32:29	81.2%	0.3605	0.9021	0.3767	0.0964	0.5699	0.6866	0.6199
3	19:33:28	81.6%	0.2232	1.6346	0.0625	-0.1165	0.5638	0.5265	0.5961
x		82.0%	0.4147	1.2767	0.3753	0.2785	0.5715	0.6169	0.5972
σ		1.0%	0.2236	0.3665	0.3121	0.5111	0.0085	0.0820	0.0222
%RSD		1.2	53.9168	28.7106	83.1704	183.4984	1.4960	13.2981	3.7243
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:30	81.6%	0.0035	0.0034	0.0091	0.0188	0.0142	82.2%	0.2065
2	19:32:29	81.7%	0.0021	0.0041	0.0065	0.0109	0.0077	82.8%	0.1845
3	19:33:28	81.9%	0.0021	0.0041	0.0117	0.0045	0.0130	82.8%	0.2341
x		81.7%	0.0026	0.0038	0.0091	0.0114	0.0116	82.6%	0.2084
σ		0.2%	0.0008	0.0004	0.0026	0.0072	0.0035	0.3%	0.0249
%RSD		0.2	31.0776	10.4526	28.8966	62.9855	29.8626	0.4	11.9340
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:30	0.1869	14.6303	14.3692	14.5901	84.7%	-0.0042	-0.0066	0.0182
2	19:32:29	0.2214	14.9645	14.2418	14.8162	86.7%	-0.0022	-0.0043	0.0182
3	19:33:28	0.2035	14.8505	14.7773	14.8258	87.8%	-0.0030	0.0003	0.0256
x		0.2039	14.8151	14.4628	14.7440	86.4%	-0.0031	-0.0036	0.0207
σ		0.0172	0.1699	0.2798	0.1334	1.6%	0.0010	0.0035	0.0042
%RSD		8.4525	1.1468	1.9343	0.9049	1.8	31.9815	98.2362	20.4690
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:31:30	0.0207	0.0248	85.7%	0.0120				
2	19:32:29	0.0313	0.0228	87.9%	0.0116				
3	19:33:28	0.0233	0.0222	89.0%	0.0127				
x		0.0251	0.0232	87.5%	0.0121				
σ		0.0055	0.0014	1.7%	0.0005				
%RSD		21.8894	5.9012	2.0	4.5078				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:05	82.6%	0.0419	575.9674	1.6957	1.3976	5.1087	568.1064	4.1791
2	19:37:04	80.0%	0.0409	579.2529	1.6408	1.4237	5.4636	576.6052	4.1620
3	19:38:03	80.3%	0.0432	586.7020	1.9782	1.3370	4.5291	580.7367	4.3415
X		81.0%	0.0420	580.6408	1.7716	1.3861	5.0338	575.1494	4.2275
σ		1.4%	0.0011	5.5003	0.1810	0.0445	0.4717	6.4397	0.0990
%RSD		1.7	2.7201	0.9473	10.2197	3.2085	9.3714	1.1197	2.3428
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:05	5.4272	47.1917	4.8357	2.1843	2.3657	5.4795	9.6706	8.1174
2	19:37:04	5.1015	44.0665	4.8083	2.1604	2.3546	5.2544	8.6304	8.3843
3	19:38:03	5.2705	43.1669	4.3907	2.0953	2.4329	5.4837	8.3351	7.7835
X		5.2664	44.8084	4.6782	2.1467	2.3844	5.4059	8.8787	8.0951
σ		0.1629	2.1125	0.2494	0.0461	0.0424	0.1312	0.7015	0.3010
%RSD		3.0932	4.7144	5.3313	2.1453	1.7770	2.4274	7.9012	3.7185
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:05	79.5%	2.0306	2.8108	1.0658	0.5836	3.9075	3.7273	3.6036
2	19:37:04	77.9%	1.9983	2.6211	0.9526	0.3198	3.7520	3.8217	3.7738
3	19:38:03	77.3%	2.2945	2.1137	0.2628	0.6822	3.7057	3.8956	3.6884
X		78.3%	2.1078	2.5152	0.7604	0.5285	3.7884	3.8149	3.6886
σ		1.1%	0.1625	0.3604	0.4347	0.1873	0.1057	0.0844	0.0851
%RSD		1.5	7.7092	14.3286	57.1599	35.4423	2.7906	2.2114	2.3078
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:05	76.2%	0.0046	0.0044	0.0437	0.0588	0.0507	77.3%	0.0828
2	19:37:04	75.5%	0.0046	0.0059	0.0574	0.0308	0.0398	78.6%	0.0832
3	19:38:03	76.1%	0.0016	0.0066	0.0513	0.0495	0.0338	79.4%	0.0774
X		75.9%	0.0036	0.0056	0.0508	0.0464	0.0414	78.4%	0.0811
σ		0.4%	0.0017	0.0011	0.0068	0.0143	0.0086	1.0%	0.0032
%RSD		0.5	47.7553	20.0362	13.4605	30.7519	20.6774	1.3	3.9635
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:05	0.0823	152.2668	153.6974	155.0928	83.7%	0.0096	0.0077	0.5708
2	19:37:04	0.0902	152.0668	152.9135	154.1126	84.5%	0.0114	0.0045	0.6076
3	19:38:03	0.0730	151.7577	151.0539	153.4139	85.6%	0.0176	0.0058	0.5737
X		0.0818	152.0304	152.5549	154.2065	84.6%	0.0129	0.0060	0.5840
σ		0.0086	0.2565	1.3577	0.8434	1.0%	0.0042	0.0016	0.0205
%RSD		10.4946	0.1687	0.8900	0.5469	1.1	32.6529	26.4099	3.5060
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:36:05	0.6117	0.6188	86.5%	0.7799				
2	19:37:04	0.6651	0.6429	89.3%	0.7628				
3	19:38:03	0.6810	0.6407	90.4%	0.7592				
X		0.6526	0.6341	88.7%	0.7673				
σ		0.0363	0.0133	2.0%	0.0111				
%RSD		5.5663	2.0981	2.3	1.4408				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:41	81.7%	0.0439	565.7795	1.5878	1.4957	5.5663	577.9550	4.2202
2	19:41:40	81.3%	0.0468	573.2212	1.4707	1.4220	5.3857	592.7351	4.2705
3	19:42:39	81.1%	0.0475	563.5927	1.4887	1.3907	5.3714	588.6622	4.2295
X		81.4%	0.0460	567.5312	1.5157	1.4362	5.4411	586.4508	4.2401
σ		0.3%	0.0019	5.0476	0.0631	0.0539	0.1087	7.6342	0.0267
%RSD		0.4	4.1450	0.8894	4.1614	3.7553	1.9970	1.3018	0.6309
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:41	5.5808	51.8429	5.0338	2.3702	2.6352	5.3400	9.2292	8.0789
2	19:41:40	5.1226	47.6322	4.6367	2.2710	2.3829	5.7795	9.2777	7.9835
3	19:42:39	5.2336	38.5493	4.8331	2.1461	2.4317	5.6572	7.9994	8.1327
X		5.3123	46.0081	4.8345	2.2624	2.4833	5.5922	8.8354	8.0651
σ		0.2390	6.7940	0.1986	0.1123	0.1338	0.2268	0.7244	0.0756
%RSD		4.4992	14.7669	4.1071	4.9617	5.3896	4.0564	8.1992	0.9370
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:41	78.0%	2.2100	2.4183	0.5122	0.1393	3.8863	3.7503	3.8368
2	19:41:40	77.1%	2.3026	2.4471	0.1339	0.5475	3.9159	3.7259	3.7096
3	19:42:39	77.3%	2.0933	2.3269	0.6199	0.2307	3.8273	3.8952	3.7965
X		77.5%	2.2020	2.3974	0.4220	0.3058	3.8765	3.7905	3.7810
σ		0.5%	0.1049	0.0627	0.2552	0.2142	0.0451	0.0916	0.0650
%RSD		0.6	4.7644	2.6162	60.4804	70.0505	1.1631	2.4153	1.7193
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:41	76.0%	0.0024	0.0059	0.0632	0.0654	0.0515	77.9%	0.0617
2	19:41:40	76.3%	0.0016	0.0021	0.0568	0.0645	0.0641	79.2%	0.0662
3	19:42:39	74.2%	0.0039	0.0044	0.0601	0.0443	0.0417	79.5%	0.0709
X		75.5%	0.0026	0.0041	0.0601	0.0581	0.0524	78.8%	0.0663
σ		1.2%	0.0012	0.0019	0.0032	0.0119	0.0112	0.9%	0.0046
%RSD		1.5	44.3628	46.9059	5.3128	20.4869	21.4335	1.1	6.9647
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:41	0.0695	154.5954	154.6559	156.4892	83.0%	0.0115	0.0095	0.6452
2	19:41:40	0.0712	151.0950	151.5536	154.4795	85.5%	0.0020	0.0054	0.5945
3	19:42:39	0.0659	155.4234	153.2880	155.4102	85.6%	0.0098	0.0089	0.6165
X		0.0688	153.7046	153.1658	155.4596	84.7%	0.0078	0.0079	0.6187
σ		0.0027	2.2976	1.5548	1.0058	1.5%	0.0051	0.0022	0.0254
%RSD		3.8975	1.4948	1.0151	0.6470	1.7	65.7288	27.6940	4.1125
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:40:41	0.6839	0.6645	86.3%	0.7845				
2	19:41:40	0.6749	0.6315	89.2%	0.7702				
3	19:42:39	0.6446	0.6466	89.8%	0.7878				
X		0.6678	0.6475	88.4%	0.7808				
σ		0.0206	0.0165	1.8%	0.0093				
%RSD		3.0820	2.5530	2.1	1.1975				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:17	81.1%	19.4079	603.4089	19.9294	20.1966	23.4471	608.1918	23.1812
2	19:46:16	80.2%	19.2393	602.9495	20.6233	20.0928	23.3529	619.6302	23.4199
3	19:47:15	80.4%	18.4782	597.3255	20.1307	19.8146	22.9203	597.7194	22.7543
X		80.6%	19.0418	601.2280	20.2278	20.0347	23.2401	608.5138	23.1185
σ		0.5%	0.4953	3.3875	0.3570	0.1975	0.2809	10.9590	0.3372
%RSD		0.6	2.6011	0.5634	1.7650	0.9860	1.2088	1.8009	1.4587
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:17	23.4931	72.2698	23.7291	20.7351	21.0569	24.3695	30.3470	27.2665
2	19:46:16	23.8767	67.4074	23.6133	20.7455	21.0063	24.5073	30.0403	27.2627
3	19:47:15	23.0308	60.7722	22.9232	20.3491	20.5583	24.3515	27.9381	26.2798
X		23.4669	66.8164	23.4219	20.6099	20.8738	24.4094	29.4418	26.9363
σ		0.4236	5.7715	0.4357	0.2259	0.2744	0.0852	1.3113	0.5686
%RSD		1.8049	8.6379	1.8604	1.0962	1.3146	0.3492	4.4538	2.1109
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:17	79.4%	21.5243	20.5197	20.6081	20.9358	23.2402	23.2127	22.4289
2	19:46:16	77.5%	19.9216	25.2234	20.1882	21.2257	23.2856	23.1949	23.2225
3	19:47:15	78.7%	19.7041	23.7238	19.0842	20.4492	22.7979	22.9223	22.8835
X		78.5%	20.3834	23.1556	19.9602	20.8702	23.1079	23.1100	22.8450
σ		1.0%	0.9941	2.4028	0.7872	0.3924	0.2695	0.1628	0.3982
%RSD		1.3	4.8770	10.3765	3.9436	1.8800	1.1661	0.7043	1.7430
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:17	76.2%	18.2359	17.8880	19.3130	18.0631	18.6213	78.8%	18.3080
2	19:46:16	75.8%	18.0946	17.7354	18.7159	18.3597	18.8046	80.1%	18.3332
3	19:47:15	76.2%	17.6400	18.0091	19.7036	18.3049	18.9199	80.5%	18.1227
X		76.1%	17.9902	17.8775	19.2442	18.2426	18.7819	79.8%	18.2546
σ		0.2%	0.3114	0.1372	0.4974	0.1578	0.1506	0.9%	0.1149
%RSD		0.3	1.7309	0.7673	2.5848	0.8651	0.8016	1.2	0.6296
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:17	17.9071	174.9755	173.0475	175.9525	83.4%	18.7149	18.4233	19.0877
2	19:46:16	17.7869	173.0945	172.8556	175.1685	86.3%	18.5567	18.4637	18.7968
3	19:47:15	18.1367	172.3514	172.2765	174.9689	86.2%	18.5980	18.5324	18.9729
X		17.9436	173.4738	172.7265	175.3633	85.3%	18.6232	18.4731	18.9525
σ		0.1777	1.3526	0.4014	0.5199	1.7%	0.0821	0.0552	0.1465
%RSD		0.9904	0.7797	0.2324	0.2965	2.0	0.4407	0.2988	0.7732
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:45:17	19.0674	19.0520	87.6%	19.5212				
2	19:46:16	19.0116	18.8949	90.1%	19.5433				
3	19:47:15	19.2216	19.0798	90.5%	19.7649				
X		19.1002	19.0089	89.4%	19.6098				
σ		0.1088	0.0997	1.6%	0.1348				
%RSD		0.5695	0.5245	1.8	0.6874				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:38	84.9%	0.0065	95.1216	0.2898	0.2748	24.5226	1275.9086	12.5292
2	19:51:37	86.2%	0.0013	92.0382	0.6032	0.2583	22.4330	1285.8007	12.3495
3	19:52:34	86.9%	0.0034	90.3457	0.5775	0.2078	22.2402	1265.3393	12.3161
X		86.0%	0.0037	92.5019	0.4902	0.2470	23.0653	1275.6828	12.3983
σ		1.0%	0.0026	2.4214	0.1740	0.0349	1.2658	10.2326	0.1146
%RSD		1.2	68.9613	2.6177	35.5016	14.1259	5.4878	0.8021	0.9247
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:38	15.9593	150.9128	13.6980	0.8472	1.3463	1.3262	5.7744	3.3701
2	19:51:37	15.0982	130.5506	13.7748	0.8252	1.2076	1.2414	5.6285	3.3422
3	19:52:34	14.9430	121.6643	13.5320	0.8271	1.1966	1.3059	4.9295	3.4323
X		15.3335	134.3759	13.6683	0.8331	1.2502	1.2912	5.4441	3.3815
σ		0.5475	14.9948	0.1241	0.0122	0.0834	0.0443	0.4516	0.0461
%RSD		3.5705	11.1588	0.9080	1.4603	6.6722	3.4293	8.2958	1.3644
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:38	79.9%	0.1810	10.5878	1.7617	1.1082	37.1912	37.8036	37.0995
2	19:51:37	81.2%	0.1293	9.4358	0.1511	-0.0352	37.9324	37.5047	38.1362
3	19:52:34	81.5%	0.3913	9.0032	0.8970	0.8310	37.9265	37.3683	37.3644
X		80.9%	0.2339	9.6756	0.9366	0.6347	37.6833	37.5589	37.5334
σ		0.9%	0.1388	0.8191	0.8060	0.5964	0.4263	0.2226	0.5387
%RSD		1.1	59.3471	8.4653	86.0591	93.9730	1.1312	0.5927	1.4351
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:38	77.5%	0.0082	0.0095	0.0763	0.0701	0.0814	78.6%	0.1030
2	19:51:37	77.4%	0.0095	0.0094	0.0800	0.0484	0.0494	81.3%	0.1241
3	19:52:34	78.4%	0.0122	0.0049	0.0575	0.0478	0.0390	82.3%	0.1100
X		77.8%	0.0100	0.0079	0.0713	0.0554	0.0566	80.8%	0.1124
σ		0.6%	0.0021	0.0026	0.0120	0.0127	0.0221	1.9%	0.0108
%RSD		0.7	20.7560	33.2040	16.8983	22.8864	39.0075	2.4	9.6017
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:38	0.1027	102.2767	104.2203	105.6234	83.3%	0.0099	0.0149	0.0337
2	19:51:37	0.0992	104.3579	104.9863	104.8536	86.0%	0.0163	0.0093	0.0291
3	19:52:34	0.1066	103.4095	103.9824	105.8504	87.9%	0.0064	0.0102	0.0426
X		0.1028	103.3481	104.3964	105.4425	85.7%	0.0109	0.0115	0.0351
σ		0.0037	1.0420	0.5246	0.5224	2.3%	0.0050	0.0030	0.0069
%RSD		3.6102	1.0082	0.5025	0.4955	2.7	46.4334	26.2466	19.5864
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:50:38	0.0358	0.0412	83.5%	4.3703				
2	19:51:37	0.0604	0.0412	86.6%	4.4364				
3	19:52:34	0.0419	0.0443	87.8%	4.4098				
X		0.0460	0.0422	86.0%	4.4055				
σ		0.0128	0.0018	2.2%	0.0333				
%RSD		27.7823	4.2214	2.6	0.7552				

*cd correction = 0.0155*

K1004575-003 05/14/2010 07:56:53 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:53	88.0%	0.0054	91.6748	0.2029	0.2388	23.2053	1275.5461	12.6501
2	19:57:52	87.8%	-0.0025	90.2349	0.6185	0.2262	22.0586	1304.8541	12.3869
3	19:58:51	88.3%	0.0127	92.7059	0.3886	0.2244	22.2050	1290.1634	12.3581
X		88.0%	0.0052	91.5385	0.4033	0.2298	22.4896	1290.1878	12.4650
σ		0.3%	0.0076	1.2411	0.2082	0.0079	0.6241	14.6540	0.1609
%RSD		0.3	147.3362	1.3558	51.6134	3.4251	2.7751	1.1358	1.2909
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:53	16.0291	155.5045	14.0891	1.0181	1.3095	1.5460	5.7342	3.8584
2	19:57:52	15.3535	130.1315	14.3740	0.8712	1.2261	1.5660	5.1961	3.5443
3	19:58:51	15.3071	133.5599	13.9014	0.9525	1.0840	1.3930	5.1495	3.5744
X		15.5632	139.7320	14.1215	0.9473	1.2065	1.5017	5.3599	3.6591
σ		0.4041	13.7666	0.2380	0.0736	0.1140	0.0946	0.3250	0.1733
%RSD		2.5964	9.8521	1.6852	7.7698	9.4498	6.3011	6.0627	4.7361
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:53	83.4%	0.1484	9.7281	1.8982	-0.0296	36.6416	37.0523	37.7556
2	19:57:52	82.2%	-0.1705	10.6437	1.2114	0.7396	37.8098	37.4165	37.9576
3	19:58:51	82.3%	0.2803	10.6666	1.2374	1.4313	38.0907	38.7707	38.1626
X		82.6%	0.0861	10.3461	1.4490	0.7137	37.5140	37.7465	37.9586
σ		0.7%	0.2318	0.5353	0.3892	0.7308	0.7685	0.9055	0.2035
%RSD		0.8	269.3166	5.1743	26.8620	102.3902	2.0485	2.3989	0.5362
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:53	81.1%	0.0022	0.0020	0.0868	0.0479	0.0601	81.2%	0.0982
2	19:57:52	79.2%	0.0079	0.0063	0.0756	0.0656	0.0709	83.0%	0.0930
3	19:58:51	78.1%	0.0022	0.0042	0.0707	0.0619	0.0720	83.0%	0.1068
X		79.5%	0.0041	0.0041	0.0777	0.0584	0.0677	82.4%	0.0993
σ		1.5%	0.0033	0.0022	0.0083	0.0093	0.0065	1.0%	0.0070
%RSD		1.9	79.6640	52.2898	10.6535	15.9950	9.6662	1.2	7.0340
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:53	0.1005	104.7779	104.7341	106.1479	84.2%	0.0060	0.0068	0.0578
2	19:57:52	0.1090	104.6173	104.0137	104.7996	86.9%	0.0096	0.0136	0.0566
3	19:58:51	0.1126	104.1788	104.0628	105.7645	87.8%	0.0123	0.0070	0.0459
X		0.1074	104.5247	104.2702	105.5707	86.3%	0.0093	0.0091	0.0535
σ		0.0062	0.3101	0.4025	0.6947	1.9%	0.0031	0.0039	0.0065
%RSD		5.7751	0.2967	0.3860	0.6581	2.1	33.7282	42.2000	12.2366
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:56:53	0.0561	0.0588	84.3%	4.3989				
2	19:57:52	0.0577	0.0545	87.4%	4.3750				
3	19:58:51	0.0578	0.0601	87.6%	4.4070				
X		0.0572	0.0578	86.4%	4.3936				
σ		0.0010	0.0029	1.9%	0.0166				
%RSD		1.6888	5.0955	2.1	0.3783				

*Cd Correction = 0.0221*

K1004575-004 05/14/2010 08:03:13 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:13	98.6%	0.0012	0.9224	-0.1108	0.1201	0.9702	0.1451	0.0062
2	20:04:10	100.4%	0.0028	0.8611	-0.1417	0.0970	0.3807	0.1548	0.0049
3	20:05:10	101.3%	-0.0014	0.9396	-0.0808	0.0958	-0.0058	0.1722	0.0008
x		100.1%	0.0009	0.9077	-0.1111	0.1043	0.4484	0.1574	0.0040
σ		1.3%	0.0021	0.0413	0.0305	0.0137	0.4915	0.0137	0.0028
%RSD		1.3	245.1892	4.5485	27.4401	13.1521	109.6246	8.7291	70.7131
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:13	0.0177	0.3975	0.3515	0.2756	0.0696	0.3561	0.0804	0.3595
2	20:04:10	0.0250	0.0590	0.2553	0.1876	0.0839	0.4283	0.4970	0.3647
3	20:05:10	0.0063	-0.1463	0.1757	0.1352	0.0068	0.3803	0.2576	0.3531
x		0.0163	0.1034	0.2608	0.1995	0.0535	0.3882	0.2783	0.3591
σ		0.0094	0.2746	0.0880	0.0709	0.0410	0.0367	0.2091	0.0058
%RSD		57.6914	265.5103	33.7482	35.5481	76.7205	9.4528	75.1229	1.6129
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:13	94.2%	0.2567	0.1097	1.7874	0.5808	0.1463	0.1370	0.1366
2	20:04:10	96.6%	0.1190	0.2436	1.1179	0.3197	0.1560	0.1691	0.1634
3	20:05:10	95.3%	-0.0029	0.4675	0.3396	0.2849	0.1333	0.1814	0.1552
x		95.3%	0.1243	0.2736	1.0816	0.3951	0.1452	0.1625	0.1517
σ		1.2%	0.1299	0.1808	0.7246	0.1617	0.0114	0.0229	0.0137
%RSD		1.2	104.5342	66.0696	66.9893	40.9315	7.8462	14.1103	9.0493
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:13	95.5%	0.0005	0.0011	0.0009	0.0016	-0.0009	91.0%	0.0031
2	20:04:10	96.3%	-0.0013	0.0004	-0.0015	-0.0007	0.0001	93.4%	0.0107
3	20:05:10	96.5%	0.0010	0.0004	-0.0015	0.0004	0.0000	94.6%	0.0078
x		96.1%	0.0001	0.0006	-0.0007	0.0004	-0.0003	93.0%	0.0072
σ		0.5%	0.0012	0.0004	0.0014	0.0012	0.0005	1.8%	0.0038
%RSD		0.5	1694.7603	58.4979	202.3001	265.1605	208.9941	2.0	52.7902
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:13	0.0070	0.0519	0.0792	0.0417	89.2%	-0.0006	-0.0039	0.0152
2	20:04:10	0.0042	0.0562	0.0471	0.0549	93.9%	-0.0097	-0.0041	0.0144
3	20:05:10	0.0110	0.0554	0.0465	0.0455	94.0%	-0.0016	-0.0050	0.0142
x		0.0074	0.0545	0.0576	0.0474	92.4%	-0.0040	-0.0044	0.0146
σ		0.0034	0.0023	0.0187	0.0068	2.7%	0.0050	0.0006	0.0005
%RSD		46.0974	4.1846	32.4564	14.3142	3.0	124.5526	13.5971	3.7463
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:03:13	0.0207	0.0187	88.7%	0.0016				
2	20:04:10	0.0179	0.0206	92.9%	0.0027				
3	20:05:10	0.0023	0.0121	93.9%	0.0013				
x		0.0137	0.0171	91.9%	0.0019				
σ		0.0099	0.0045	2.8%	0.0007				
%RSD		72.4313	26.1007	3.0	39.0121				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:43	92.4%	0.0029	7.4214	0.5903	0.2596	7.1836	181.5115	2.0470
2	20:08:40	92.6%	0.0050	6.8826	0.8639	0.2737	6.7479	184.4809	2.0519
3	20:09:39	92.3%	-0.0036	8.6759	0.6346	0.2076	6.7002	183.1754	1.9735
X		92.5%	0.0014	7.6600	0.6963	0.2470	6.8772	183.0559	2.0241
σ		0.1%	0.0045	0.9201	0.1469	0.0348	0.2664	1.4883	0.0439
%RSD		0.2	310.9517	12.0122	21.0962	14.0895	3.8736	0.8131	2.1702
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:43	5.0519	92.6546	3.3790	0.5363	0.7507	0.6052	3.0145	2.1610
2	20:08:40	4.5489	78.5405	3.2377	0.4535	0.7148	0.5661	2.4187	2.1488
3	20:09:39	4.6956	80.6584	3.1460	0.4419	0.8846	0.5001	2.5336	2.0395
X		4.7654	83.9512	3.2542	0.4772	0.7834	0.5571	2.6556	2.1164
σ		0.2587	7.6114	0.1174	0.0515	0.0895	0.0531	0.3161	0.0669
%RSD		5.4278	9.0665	3.6062	10.7834	11.4226	9.5348	11.9036	3.1613
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:43	86.7%	0.4201	4.1708	1.2821	0.7038	15.0192	14.8098	14.5703
2	20:08:40	86.6%	0.4319	4.3640	1.1596	0.7074	14.9605	15.0717	14.6766
3	20:09:39	87.1%	0.8411	2.0571	0.2223	0.1790	14.7340	14.3140	14.3126
X		86.8%	0.5643	3.5307	0.8880	0.5301	14.9046	14.7319	14.5199
σ		0.3%	0.2397	1.2798	0.5798	0.3040	0.1506	0.3848	0.1872
%RSD		0.3	42.4810	36.2478	65.2900	57.3540	1.0104	2.6122	1.2890
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:43	85.6%	0.0020	0.0019	0.0396	0.0170	0.0296	84.1%	0.1149
2	20:08:40	84.1%	0.0000	0.0032	0.0264	0.0179	0.0186	86.4%	0.1184
3	20:09:39	86.1%	0.0026	0.0012	0.0261	0.0214	0.0205	87.1%	0.1300
X		85.3%	0.0016	0.0021	0.0307	0.0188	0.0229	85.9%	0.1211
σ		1.0%	0.0014	0.0011	0.0077	0.0023	0.0059	1.6%	0.0079
%RSD		1.2	87.8311	50.6042	25.1487	12.3922	25.6832	1.9	6.5260
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:43	0.1058	72.0176	71.0406	71.7746	87.0%	-0.0044	0.0008	0.0102
2	20:08:40	0.1317	70.6162	69.7851	71.4507	90.3%	-0.0056	-0.0005	0.0145
3	20:09:39	0.0972	70.6689	69.9594	70.8336	91.4%	-0.0006	0.0004	0.0172
X		0.1116	71.1009	70.2617	71.3530	89.5%	-0.0036	0.0003	0.0140
σ		0.0179	0.7943	0.6801	0.4781	2.3%	0.0026	0.0007	0.0036
%RSD		16.0802	1.1171	0.9680	0.6700	2.6	73.3540	248.8492	25.6322
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:07:43	0.0134	0.0140	88.4%	6.6877				
2	20:08:40	0.0109	0.0154	91.3%	6.8012				
3	20:09:39	0.0146	0.0171	92.1%	6.7940				
X		0.0130	0.0155	90.6%	6.7610				
σ		0.0019	0.0016	1.9%	0.0635				
%RSD		14.6078	10.0033	2.1	0.9397				

K1004635-002 05/14/2010 08:13:14 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:14	102.8%	0.0060	0.5416	-0.2484	0.1228	0.0821	0.2605	0.0047
2	20:14:13	104.8%	0.0012	0.5105	-0.0302	0.0813	-0.8719	0.2297	0.0048
3	20:15:11	104.1%	-0.0015	0.4622	-0.0053	0.0408	-1.1419	0.2649	0.0024
X		103.9%	0.0019	0.5048	-0.0947	0.0816	-0.6439	0.2517	0.0040
σ		1.0%	0.0038	0.0400	0.1337	0.0410	0.6431	0.0192	0.0014
%RSD		0.9	202.1216	7.9226	141.2934	50.2311	99.8779	7.6208	34.2444
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:14	0.0397	1.4743	0.1734	0.2237	0.0412	0.5071	0.4194	0.5633
2	20:14:13	0.0468	-0.5296	0.1830	0.1486	0.0352	0.6200	0.3912	0.5517
3	20:15:11	0.0604	-0.7718	0.1558	0.0886	0.0405	0.5015	0.2355	0.5886
X		0.0490	0.0577	0.1707	0.1536	0.0390	0.5428	0.3487	0.5678
σ		0.0105	1.2328	0.0138	0.0677	0.0033	0.0669	0.0990	0.0189
%RSD		21.4683	2138.2200	8.0838	44.0294	8.4949	12.3195	28.4021	3.3225
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:14	98.9%	0.0667	0.0075	1.6178	0.2795	0.1941	0.2211	0.2020
2	20:14:13	100.0%	0.2432	-0.1024	0.4610	0.5902	0.2017	0.1961	0.2062
3	20:15:11	99.3%	0.2473	-0.4496	0.4711	0.5254	0.2167	0.2327	0.2115
X		99.4%	0.1857	-0.1815	0.8500	0.4650	0.2042	0.2167	0.2066
σ		0.5%	0.1031	0.2386	0.6650	0.1639	0.0115	0.0187	0.0047
%RSD		0.5	55.5264	131.4639	78.2399	35.2526	5.6243	8.6360	2.2989
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:14	100.6%	0.0016	0.0010	-0.0015	0.0015	0.0010	93.9%	0.0030
2	20:14:13	101.2%	0.0010	0.0010	0.0008	-0.0007	0.0010	95.5%	0.0009
3	20:15:11	99.0%	-0.0002	-0.0002	0.0008	0.0047	0.0018	97.5%	0.0062
X		100.2%	0.0008	0.0006	0.0000	0.0019	0.0013	95.6%	0.0034
σ		1.2%	0.0009	0.0007	0.0013	0.0027	0.0005	1.8%	0.0027
%RSD		1.2	111.6479	114.7553	4342.4016	147.9015	39.3787	1.9	78.6681
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:14	-0.0010	0.1285	0.1066	0.1156	92.4%	0.0013	-0.0036	0.0070
2	20:14:13	0.0041	0.0508	0.1074	0.1038	96.0%	-0.0067	-0.0044	0.0097
3	20:15:11	0.0031	0.1013	0.1053	0.1114	96.7%	-0.0092	-0.0064	0.0035
X		0.0020	0.0935	0.1064	0.1103	95.0%	-0.0048	-0.0048	0.0067
σ		0.0027	0.0394	0.0010	0.0060	2.3%	0.0055	0.0015	0.0031
%RSD		132.1871	42.1723	0.9825	5.4386	2.4	112.6637	30.9576	45.9658
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:13:14	0.0076	0.0074	91.6%	-0.0001				
2	20:14:13	0.0074	0.0057	95.4%	-0.0012				
3	20:15:11	0.0149	0.0087	96.6%	-0.0021				
X		0.0100	0.0073	94.5%	-0.0011				
σ		0.0043	0.0015	2.6%	0.0010				
%RSD		42.7051	21.0035	2.8	88.7562				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:46	98.5%	25.7110	24.0987	24.5714	25.3350	25.7314	24.9358	25.4923
2	20:18:45	98.3%	24.5340	23.8807	24.0155	24.3819	23.7249	24.3316	24.5450
3	20:19:44	97.4%	24.2130	23.6186	23.5332	23.8391	23.9859	24.1103	24.1711
x		98.1%	24.8193	23.8660	24.0400	24.5187	24.4808	24.4593	24.7361
σ		0.6%	0.7887	0.2404	0.5195	0.7573	1.0909	0.4273	0.6810
%RSD		0.6	3.1779	1.0072	2.1610	3.0886	4.4563	1.7469	2.7531
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:46	25.8060	28.2343	25.9669	26.2536	26.1241	24.5287	24.8051	24.8244
2	20:18:45	24.5900	25.8294	24.5855	25.0995	25.4868	24.3155	25.4172	24.0886
3	20:19:44	23.7967	24.5481	24.1101	24.3563	24.1283	24.5512	25.2263	24.2436
x		24.7309	26.2039	24.8875	25.2365	25.2464	24.4651	25.1496	24.3855
σ		1.0120	1.8714	0.9645	0.9560	1.0194	0.1301	0.3132	0.3879
%RSD		4.0921	7.1416	3.8755	3.7883	4.0377	0.5317	1.2454	1.5905
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:46	92.9%	24.3021	25.2600	25.9061	22.5377	25.0026	23.9586	24.0007
2	20:18:45	94.8%	23.7561	25.3732	23.6512	25.2865	23.7489	23.7722	24.1090
3	20:19:44	94.7%	23.4352	27.4885	26.5004	24.4128	24.4268	24.6075	24.3789
x		94.1%	23.8311	26.0406	25.3525	24.0790	24.3928	24.1128	24.1629
σ		1.0%	0.4383	1.2552	1.5031	1.4044	0.6275	0.4385	0.1948
%RSD		1.1	1.8391	4.8203	5.9288	5.8326	2.5727	1.8185	0.8060
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:46	93.3%	24.9909	25.0840	24.4613	23.9310	24.6604	91.9%	24.7623
2	20:18:45	94.4%	24.2462	24.1728	23.7557	24.0870	24.0206	94.7%	24.5102
3	20:19:44	93.3%	24.5571	24.5818	24.6934	24.3124	24.6612	94.4%	24.5800
x		93.7%	24.5981	24.6129	24.3035	24.1101	24.4474	93.7%	24.6175
σ		0.6%	0.3741	0.4564	0.4883	0.1918	0.3696	1.6%	0.1302
%RSD		0.7	1.5207	1.8542	2.0094	0.7953	1.5119	1.7	0.5288
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:46	24.3546	24.1063	24.7910	24.5510	90.3%	24.6585	24.3441	24.6182
2	20:18:45	24.2569	24.3796	24.8154	24.3365	94.1%	24.2902	24.1399	24.3632
3	20:19:44	24.2838	24.7808	24.4649	24.3497	94.3%	24.3783	24.2287	24.1458
x		24.2984	24.4222	24.6904	24.4124	92.9%	24.4423	24.2376	24.3757
σ		0.0505	0.3393	0.1957	0.1202	2.3%	0.1923	0.1024	0.2365
%RSD		0.2078	1.3891	0.7925	0.4925	2.4	0.7869	0.4224	0.9702
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:17:46	24.2379	24.5017	91.2%	24.1309				
2	20:18:45	24.1463	24.1330	95.1%	24.2654				
3	20:19:44	24.2402	24.2797	95.5%	24.4673				
x		24.2081	24.3048	94.0%	24.2878				
σ		0.0536	0.1857	2.4%	0.1693				
%RSD		0.2213	0.7639	2.5	0.6972				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:50	91.3%	0.0021	0.0023	-0.0653	0.0327	-0.3419	0.0269	0.0040
2	20:33:49	93.4%	-0.0017	-0.0028	-0.0444	0.0416	-0.7897	0.0186	0.0085
3	20:34:48	93.5%	-0.0044	0.0119	-0.2217	0.0191	-0.4210	0.0290	0.0052
X		92.8%	-0.0013	0.0038	-0.1105	0.0311	-0.5175	0.0248	0.0059
σ		1.2%	0.0033	0.0074	0.0969	0.0113	0.2390	0.0055	0.0023
%RSD		1.3	244.8524	196.5677	87.7419	36.3332	46.1848	22.2254	39.6527
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:50	-0.0061	1.1354	0.2368	0.1536	-0.0007	0.0098	-0.1537	0.0698
2	20:33:49	0.0052	0.8152	0.0966	0.0509	-0.0207	-0.0055	-0.2398	0.0749
3	20:34:48	0.0279	-1.7293	0.0734	0.0304	-0.0047	-0.0072	-0.2818	0.0359
X		0.0090	0.0738	0.1356	0.0783	-0.0087	-0.0010	-0.2251	0.0602
σ		0.0173	1.5697	0.0884	0.0660	0.0106	0.0094	0.0653	0.0212
%RSD		192.0955	2127.8646	65.2041	84.3257	121.9826	938.2864	29.0126	35.2082
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:50	87.1%	0.0191	-0.1503	1.1088	-0.1385	0.0536	0.0413	0.0448
2	20:33:49	89.5%	0.0954	0.1118	0.2201	0.3336	0.0342	0.0537	0.0643
3	20:34:48	90.8%	0.1375	-0.1235	0.4837	0.3316	0.0422	0.0568	0.0440
X		89.2%	0.0840	-0.0540	0.6042	0.1756	0.0433	0.0506	0.0510
σ		1.9%	0.0600	0.1442	0.4565	0.2720	0.0097	0.0082	0.0115
%RSD		2.1	71.4525	267.1978	75.5479	154.9024	22.4172	16.2181	22.5179
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:50	88.7%	0.0064	0.0018	0.0010	0.0017	0.0061	88.6%	0.0032
2	20:33:49	89.9%	0.0050	0.0044	-0.0015	0.0064	0.0021	89.7%	0.0032
3	20:34:48	89.9%	0.0069	0.0024	0.0033	-0.0007	-0.0009	90.8%	0.0010
X		89.5%	0.0061	0.0028	0.0010	0.0025	0.0024	89.7%	0.0025
σ		0.7%	0.0010	0.0013	0.0024	0.0036	0.0035	1.1%	0.0013
%RSD		0.8	15.8493	47.3749	248.9925	146.8432	144.3315	1.2	51.7369
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:50	0.0009	-0.0032	-0.0069	0.0066	87.8%	0.0035	-0.0053	0.0138
2	20:33:49	0.0026	0.0073	-0.0009	-0.0051	91.5%	-0.0007	-0.0020	0.0132
3	20:34:48	0.0017	0.0069	0.0155	0.0083	92.5%	-0.0048	-0.0050	0.0148
X		0.0017	0.0037	0.0026	0.0033	90.6%	-0.0007	-0.0041	0.0139
σ		0.0009	0.0059	0.0116	0.0073	2.5%	0.0041	0.0019	0.0008
%RSD		51.3180	161.5475	450.6933	221.8579	2.8	617.8756	45.4208	5.9213
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:32:50	0.0206	0.0194	87.8%	0.0016				
2	20:33:49	0.0279	0.0188	92.4%	-0.0008				
3	20:34:48	0.0202	0.0202	92.2%	-0.0002				
X		0.0229	0.0195	90.8%	0.0002				
σ		0.0043	0.0007	2.6%	0.0013				
%RSD		18.8329	3.6596	2.9	640.3644				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:21	79.6%	0.0002	20665.7530	-0.2112	0.3363	13.7182	1.3445	0.9451
2	20:38:20	79.1%	0.0054	20397.9710	0.0344	0.3299	11.1424	1.3157	0.8534
3	20:39:18	78.9%	0.0049	20536.9700	0.1276	0.2670	10.0588	1.3370	0.8540
x		79.2%	0.0035	20533.5640	-0.0164	0.3111	11.6398	1.3324	0.8842
σ		0.4%	0.0029	133.9235	0.1750	0.0383	1.8797	0.0149	0.0528
%RSD		0.5	81.9366	0.6522	1066.1157	12.3093	16.1490	1.1186	5.9704
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:21	1.8605	57.3136	3.8603	0.5552	0.8271	1.6329	1.9204	1.1782
2	20:38:20	1.5971	45.7382	3.6615	0.4201	0.7565	1.4852	1.8060	1.3198
3	20:39:18	1.6223	44.1980	3.4848	0.4627	0.7479	1.3703	1.6856	1.2805
x		1.6933	49.0833	3.6688	0.4794	0.7771	1.4961	1.8040	1.2595
σ		0.1454	7.1691	0.1879	0.0691	0.0434	0.1316	0.1174	0.0731
%RSD		8.5851	14.6061	5.1204	14.4080	5.5899	8.7962	6.5083	5.8056
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:21	77.4%	-0.2133	6.1140	1.8076	-1.4076	52.3889	52.6204	52.1306
2	20:38:20	78.4%	-0.3456	5.3968	0.4359	-2.1193	51.8982	51.9254	51.5463
3	20:39:18	77.6%	0.0021	5.6926	0.6554	-0.4944	52.5545	52.2149	52.2690
x		77.8%	-0.1856	5.7344	0.9663	-1.3405	52.2805	52.2536	51.9820
σ		0.6%	0.1755	0.3604	0.7368	0.8145	0.3413	0.3491	0.3836
%RSD		0.7	94.5410	6.2854	76.2485	60.7636	0.6529	0.6682	0.7379
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:21	75.1%	0.0533	0.0510	0.0917	0.0614	0.0709	77.9%	0.0261
2	20:38:20	74.6%	0.0556	0.0531	0.1417	0.0678	0.0566	78.8%	0.0388
3	20:39:18	75.9%	0.0358	0.0529	0.0575	0.0639	0.0684	78.1%	0.0524
x		75.2%	0.0482	0.0524	0.0970	0.0644	0.0653	78.3%	0.0391
σ		0.6%	0.0108	0.0012	0.0423	0.0032	0.0076	0.5%	0.0132
%RSD		0.8	22.4353	2.2613	43.6630	5.0228	11.6600	0.6	33.6585
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:21	0.0395	0.1237	0.1058	0.1131	81.6%	0.0511	0.0479	0.1080
2	20:38:20	0.0420	0.1586	0.1460	0.1135	84.0%	0.0455	0.0392	0.1155
3	20:39:18	0.0321	0.0762	0.1240	0.1064	82.8%	0.0509	0.0385	0.1234
x		0.0379	0.1195	0.1253	0.1110	82.8%	0.0492	0.0419	0.1156
σ		0.0051	0.0414	0.0201	0.0040	1.2%	0.0032	0.0052	0.0077
%RSD		13.5590	34.6010	16.0683	3.6219	1.5	6.5338	12.5106	6.6436
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:37:21	0.1414	0.1321	82.6%	0.0074				
2	20:38:20	0.1418	0.1339	84.9%	0.0060				
3	20:39:18	0.1272	0.1306	84.7%	0.0054				
x		0.1368	0.1322	84.1%	0.0062				
σ		0.0083	0.0016	1.3%	0.0010				
%RSD		6.0941	1.2462	1.5	16.1959				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:36	79.9%	0.0108	20358.4000	49.3411	49.3264	54.3842	50.5228	49.9355
2	20:44:35	79.7%	-0.0030	20320.5730	49.3726	49.3559	55.4258	50.7759	49.6434
3	20:45:34	79.7%	-0.0043	20230.6340	48.5228	48.8831	53.5595	49.9288	48.6257
X		79.8%	0.0012	20303.2020	49.0789	49.1885	54.4565	50.4091	49.4015
$\sigma$		0.1%	0.0083	65.6304	0.4818	0.2649	0.9352	0.4348	0.6876
%RSD		0.1	708.4187	0.3233	0.9817	0.5385	1.7174	0.8626	1.3918
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:36	48.5799	112.6633	51.4597	48.2873	48.3531	25.6417	26.0794	23.8592
2	20:44:35	50.8255	102.5687	52.3635	48.4140	48.4458	25.5612	24.5429	23.8211
3	20:45:34	49.0460	98.0509	50.2424	46.1628	46.5163	24.5050	25.8800	23.2769
X		49.4838	104.4276	51.3552	47.6214	47.7717	25.2360	25.5008	23.6524
$\sigma$		1.1851	7.4815	1.0644	1.2648	1.0882	0.6343	0.8355	0.3258
%RSD		2.3949	7.1643	2.0726	2.6559	2.2779	2.5134	3.2764	1.3773
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:36	79.5%	24.1659	29.0587	25.7228	24.4180	51.2171	50.9562	51.9423
2	20:44:35	78.2%	23.0285	31.4520	25.4817	22.3641	52.9500	52.9095	52.3411
3	20:45:34	79.2%	25.4001	25.9028	25.2307	24.3695	51.5103	52.4577	52.1474
X		79.0%	24.1982	28.8045	25.4784	23.7172	51.8925	52.1078	52.1436
$\sigma$		0.7%	1.1861	2.7833	0.2460	1.1721	0.9275	1.0226	0.1994
%RSD		0.8	4.9016	9.6627	0.9657	4.9420	1.7873	1.9624	0.3824
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:36	76.4%	12.2043	12.0847	23.8418	22.7182	23.6852	77.5%	0.0430
2	20:44:35	74.8%	12.2953	12.2473	24.9882	23.2846	23.7380	78.3%	0.0416
3	20:45:34	76.2%	12.0702	11.9928	24.4197	22.9679	23.5955	79.5%	0.0548
X		75.8%	12.1899	12.1082	24.4165	22.9902	23.6729	78.4%	0.0465
$\sigma$		0.9%	0.1132	0.1289	0.5732	0.2839	0.0720	1.0%	0.0072
%RSD		1.1	0.9289	1.0645	2.3477	1.2348	0.3043	1.3	15.5699
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:36	0.0586	0.1210	0.1071	0.1295	80.1%	0.0462	0.0500	0.1501
2	20:44:35	0.0548	0.1144	0.0835	0.1080	82.3%	0.0418	0.0364	0.1376
3	20:45:34	0.0569	0.1162	0.1454	0.1219	83.6%	0.0391	0.0347	0.1192
X		0.0568	0.1172	0.1120	0.1198	82.0%	0.0424	0.0404	0.1356
$\sigma$		0.0019	0.0034	0.0312	0.0109	1.8%	0.0036	0.0084	0.0156
%RSD		3.3750	2.9088	27.8764	9.1095	2.2	8.4142	20.7934	11.4671
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:43:36	0.1492	0.1475	82.1%	0.0053				
2	20:44:35	0.1560	0.1358	85.0%	0.0063				
3	20:45:34	0.1257	0.1256	84.9%	0.0080				
X		0.1436	0.1363	84.0%	0.0065				
$\sigma$		0.0159	0.0109	1.6%	0.0014				
%RSD		11.0514	8.0319	1.9	21.1375				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	20:50:09	84.6%	25.4807	23.9504	24.6300	24.7980	21.9458	24.6711	25.0618
2	20:51:08	84.4%	24.5090	24.5779	23.3721	23.7309	20.8670	24.4668	24.3621
3	20:52:07	85.3%	24.7071	24.1308	24.2093	24.1680	20.5386	24.6055	24.4073
x		84.8%	24.8989	24.2197	24.0705	24.2323	21.1171	24.5811	24.6104
σ		0.5%	0.5135	0.3231	0.6403	0.5365	0.7362	0.1043	0.3916
%RSD		0.6	2.0622	1.3339	2.6602	2.2138	3.4863	0.4244	1.5913
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	20:50:09	24.3170	25.3391	25.6363	25.1160	24.8435	24.2551	24.2412	24.0148
2	20:51:08	23.8554	25.2946	24.8956	24.3044	24.2980	23.5685	23.6832	24.0225
3	20:52:07	24.1462	25.9487	24.0791	24.2807	24.7515	24.7402	23.9202	24.5517
x		24.1062	25.5275	24.8703	24.5671	24.6310	24.1879	23.9482	24.1963
σ		0.2334	0.3655	0.7789	0.4755	0.2920	0.5887	0.2800	0.3078
%RSD		0.9681	1.4318	3.1317	1.9357	1.1855	2.4341	1.1694	1.2719
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	20:50:09	84.1%	24.6294	25.4152	25.9856	27.1877	23.4758	23.9150	24.0638
2	20:51:08	85.7%	22.7426	28.1378	23.8297	23.1553	23.9394	24.1576	23.8503
3	20:52:07	84.5%	23.1239	24.4208	24.3046	23.5661	24.1915	23.8751	23.5865
x		84.8%	23.4986	25.9913	24.7066	24.6364	23.8689	23.9826	23.8335
σ		0.8%	0.9977	1.9243	1.1328	2.2191	0.3630	0.1529	0.2391
%RSD		1.0	4.2456	7.4035	4.5849	9.0072	1.5209	0.6374	1.0030
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	20:50:09	83.8%	24.6055	24.4797	24.3250	23.7864	24.2175	84.2%	24.4281
2	20:51:08	84.9%	24.1283	24.9379	24.4840	24.4919	24.5452	85.1%	24.6225
3	20:52:07	85.8%	24.1294	24.2759	23.9868	24.4452	24.5124	86.3%	24.8712
x		84.9%	24.2877	24.5645	24.2653	24.2412	24.4250	85.2%	24.6406
σ		1.0%	0.2752	0.3391	0.2539	0.3945	0.1805	1.0%	0.2221
%RSD		1.2	1.1331	1.3804	1.0464	1.6275	0.7389	1.2	0.9013
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	20:50:09	23.8453	24.5067	23.9263	24.1569	84.0%	24.2002	24.3861	24.2038
2	20:51:08	24.8359	24.1323	23.7454	24.4377	88.6%	24.2849	24.2546	24.2350
3	20:52:07	24.5230	23.4819	24.0737	24.3327	89.5%	24.4139	24.3321	24.3507
x		24.4014	24.0403	23.9152	24.3091	87.4%	24.2997	24.3243	24.2632
σ		0.5064	0.5186	0.1644	0.1419	2.9%	0.1076	0.0661	0.0774
%RSD		2.0752	2.1571	0.6875	0.5837	3.4	0.4427	0.2718	0.3192
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	20:50:09	24.1641	24.2350	85.5%	24.0842				
2	20:51:08	24.1197	24.1904	89.3%	24.3276				
3	20:52:07	24.3059	24.2015	91.1%	24.4556				
x		24.1966	24.2090	88.7%	24.2892				
σ		0.0973	0.0232	2.9%	0.1887				
%RSD		0.4020	0.0960	3.3	0.7768				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:01	85.6%	0.0026	0.0053	-0.0926	-0.0213	-2.5434	0.0204	0.0064
2	21:06:00	84.9%	-0.0031	0.0397	-0.1910	-0.0065	-2.5049	0.0060	0.0088
3	21:06:59	86.4%	-0.0005	0.0410	-0.0608	-0.0033	-2.8966	0.0024	0.0018
x		85.6%	-0.0003	0.0287	-0.1148	-0.0104	-2.6483	0.0096	0.0056
σ		0.7%	0.0029	0.0203	0.0679	0.0096	0.2159	0.0095	0.0035
%RSD		0.8	880.2861	70.6677	59.1306	92.1558	8.1532	98.5472	62.9143
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:01	0.0038	0.0544	0.2973	0.1593	-0.0077	0.0641	-0.3654	0.0575
2	21:06:00	0.0130	-0.8591	0.3197	0.0361	0.0025	0.0480	-0.2903	0.0313
3	21:06:59	0.0098	-0.2579	0.1631	0.0701	-0.0111	0.0104	-0.2159	0.0179
x		0.0089	-0.3542	0.2600	0.0885	-0.0054	0.0408	-0.2905	0.0355
σ		0.0047	0.4643	0.0847	0.0636	0.0071	0.0276	0.0747	0.0202
%RSD		52.7695	131.0883	32.5847	71.9274	130.7252	67.5342	25.7220	56.7310
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:01	84.4%	0.0937	-0.3622	0.8311	0.0162	0.0467	0.0634	0.0622
2	21:06:00	84.8%	0.1792	-0.1260	0.6887	0.4672	0.0687	0.0638	0.0600
3	21:06:59	85.1%	0.2858	-0.4247	0.2845	0.6298	0.0533	0.0463	0.0557
x		84.8%	0.1862	-0.3043	0.6014	0.3711	0.0562	0.0578	0.0593
σ		0.3%	0.0962	0.1575	0.2835	0.3179	0.0113	0.0100	0.0033
%RSD		0.4	51.6641	51.7765	47.1455	85.6620	20.0317	17.2788	5.5330
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:01	85.8%	0.0020	0.0073	0.0011	-0.0007	-0.0009	84.6%	0.0003
2	21:06:00	85.0%	0.0013	0.0046	-0.0015	0.0005	-0.0009	87.0%	0.0018
3	21:06:59	85.4%	0.0053	0.0032	-0.0015	0.0030	0.0012	86.4%	0.0011
x		85.4%	0.0029	0.0050	-0.0006	0.0009	-0.0002	86.0%	0.0011
σ		0.4%	0.0021	0.0021	0.0015	0.0019	0.0012	1.2%	0.0007
%RSD		0.5	73.8546	41.9026	245.1661	201.2369	586.6142	1.4	68.7682
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:01	-0.0009	-0.0060	-0.0017	0.0010	85.9%	-0.0015	-0.0000	0.0197
2	21:06:00	0.0009	-0.0184	0.0125	0.0085	90.7%	-0.0072	-0.0014	0.0195
3	21:06:59	0.0028	-0.0069	0.0170	0.0027	91.3%	0.0017	-0.0023	0.0190
x		0.0009	-0.0104	0.0093	0.0041	89.3%	-0.0023	-0.0012	0.0194
σ		0.0019	0.0069	0.0098	0.0039	3.0%	0.0045	0.0011	0.0004
%RSD		204.2425	66.5867	105.5719	96.2798	3.3	191.2620	91.8351	1.8792
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:05:01	0.0178	0.0211	86.3%	0.0007				
2	21:06:00	0.0192	0.0198	90.5%	-0.0009				
3	21:06:59	0.0180	0.0228	90.4%	-0.0010				
x		0.0183	0.0212	89.1%	-0.0004				
σ		0.0008	0.0015	2.4%	0.0009				
%RSD		4.3071	7.0347	2.6	236.4790				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:32	91.8%	0.0179	135.6501	1.1173	0.4245	11.4626	69.0039	5.6229
2	21:10:31	92.1%	0.0156	130.3398	1.0199	0.4033	14.3459	68.1985	5.6437
3	21:11:30	91.6%	0.0174	130.2307	1.1258	0.5208	15.1897	68.6846	5.5899
x		91.8%	0.0170	132.0735	1.0877	0.4495	13.6660	68.6290	5.6188
σ		0.2%	0.0012	3.0979	0.0588	0.0626	1.9543	0.4056	0.0271
%RSD		0.2	7.1621	2.3456	5.4083	13.9339	14.3006	0.5910	0.4823
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:32	7.2701	124.7388	5.4830	0.8893	1.2454	1.4586	10.7294	7.7151
2	21:10:31	6.7635	106.7467	5.3129	0.8419	1.2098	1.5139	10.3148	7.5436
3	21:11:30	6.5826	95.0397	5.1709	0.8430	1.0698	1.5469	9.9160	7.4202
x		6.8720	108.8417	5.3223	0.8581	1.1750	1.5065	10.3201	7.5596
σ		0.3564	14.9600	0.1562	0.0270	0.0928	0.0446	0.4067	0.1481
%RSD		5.1862	13.7447	2.9355	3.1507	7.9014	2.9620	3.9410	1.9585
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:32	85.4%	1.6622	5.7855	1.0406	0.9582	16.6899	17.0455	16.5633
2	21:10:31	85.7%	1.6127	6.5597	0.6424	1.1121	16.4576	16.8010	16.7006
3	21:11:30	85.8%	1.6494	7.0797	1.2515	1.1919	16.5905	16.3941	16.5295
x		85.7%	1.6415	6.4750	0.9782	1.0874	16.5793	16.7469	16.5978
σ		0.2%	0.0257	0.6513	0.3093	0.1188	0.1165	0.3290	0.0906
%RSD		0.2	1.5660	10.0581	31.6241	10.9242	0.7028	1.9648	0.5461
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:32	84.0%	0.0155	0.0122	0.0368	0.0456	0.0343	85.6%	0.3048
2	21:10:31	86.0%	0.0158	0.0086	0.0489	0.0388	0.0288	86.5%	0.3116
3	21:11:30	86.3%	0.0144	0.0126	0.0385	0.0335	0.0568	87.5%	0.3242
x		85.4%	0.0153	0.0111	0.0414	0.0393	0.0400	86.5%	0.3135
σ		1.2%	0.0007	0.0022	0.0065	0.0060	0.0149	1.0%	0.0098
%RSD		1.4	4.8263	19.6900	15.7701	15.3828	37.1346	1.1	3.1399
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:32	0.2861	301.1593	301.8637	310.4053	88.7%	0.0010	0.0015	0.4368
2	21:10:31	0.2918	302.2282	302.5019	306.7358	91.2%	-0.0042	0.0006	0.4202
3	21:11:30	0.3068	296.4644	298.9097	307.7569	92.3%	0.0018	0.0004	0.4043
x		0.2949	299.9507	301.0918	308.2993	90.8%	-0.0005	0.0008	0.4205
σ		0.0107	3.0661	1.9165	1.8939	1.9%	0.0033	0.0006	0.0163
%RSD		3.6300	1.0222	0.6365	0.6143	2.0	723.2905	70.4659	3.8707
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:09:32	0.4897	0.4543	89.1%	20.8788				
2	21:10:31	0.4682	0.4442	92.1%	20.8727				
3	21:11:30	0.4673	0.4470	93.3%	20.6263				
x		0.4751	0.4485	91.5%	20.7926				
σ		0.0127	0.0052	2.2%	0.1441				
%RSD		2.6704	1.1684	2.4	0.6929				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	21:15:10	104.8%	-0.0060	0.1737	-0.1069	0.0708	0.1238	0.0041	0.0032
2	21:16:08	104.4%	-0.0031	0.2224	-0.0586	0.0509	-0.5026	0.0132	-0.0016
3	21:17:06	105.6%	-0.0043	0.1684	0.0364	0.0185	-1.2193	0.0167	-0.0004
X		104.9%	-0.0044	0.1882	-0.0430	0.0467	-0.5327	0.0113	0.0004
σ		0.6%	0.0015	0.0298	0.0729	0.0264	0.6721	0.0065	0.0025
%RSD		0.6	33.2063	15.8283	169.4053	56.5096	126.1591	57.3358	596.5347
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	21:15:10	0.0002	0.4173	0.2737	0.1527	-0.0393	-0.0617	0.1159	-0.0281
2	21:16:08	-0.0003	-0.6589	0.1994	0.0534	-0.0012	-0.0920	-0.1459	-0.0889
3	21:17:06	0.0045	-0.1481	0.1788	0.0353	-0.0440	-0.0594	-0.1382	-0.0661
X		0.0015	-0.1299	0.2173	0.0804	-0.0282	-0.0710	-0.0561	-0.0610
σ		0.0027	0.5383	0.0499	0.0632	0.0235	0.0182	0.1490	0.0307
%RSD		180.5145	414.4117	22.9683	78.5831	83.4632	25.5899	265.6912	50.3666
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	21:15:10	97.9%	0.0069	-0.1890	1.6480	-0.3543	0.0252	0.0392	0.0328
2	21:16:08	100.8%	0.1032	-0.2579	0.6185	0.2426	0.0630	0.0649	0.0593
3	21:17:06	102.3%	0.1689	0.0306	0.2614	0.5498	0.0394	0.0475	0.0639
X		100.4%	0.0930	-0.1388	0.8426	0.1460	0.0425	0.0506	0.0520
σ		2.2%	0.0815	0.1507	0.7199	0.4597	0.0191	0.0131	0.0168
%RSD		2.2	87.5753	108.5700	85.4381	314.7553	44.9003	25.8697	32.2473
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	21:15:10	100.4%	-0.0007	0.0010	-0.0015	0.0004	-0.0009	94.8%	0.0003
2	21:16:08	101.3%	-0.0008	0.0004	-0.0015	0.0014	0.0009	100.3%	0.0060
3	21:17:06	100.7%	-0.0002	0.0004	-0.0015	0.0004	0.0009	99.9%	0.0002
X		100.8%	-0.0006	0.0006	-0.0015	0.0007	0.0003	98.3%	0.0022
σ		0.5%	0.0003	0.0004	0.0000	0.0006	0.0010	3.1%	0.0034
%RSD		0.5	57.4244	60.3044	0.0000	82.5913	349.2591	3.2	154.5192
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	21:15:10	0.0033	-0.0052	0.0041	0.0119	93.9%	-0.0066	-0.0017	0.0013
2	21:16:08	-0.0003	0.0271	0.0180	0.0107	98.2%	-0.0034	-0.0085	-0.0013
3	21:17:06	0.0038	-0.0134	0.0140	0.0224	99.8%	-0.0056	-0.0055	0.0041
X		0.0023	0.0028	0.0121	0.0150	97.3%	-0.0052	-0.0052	0.0014
σ		0.0022	0.0214	0.0071	0.0065	3.0%	0.0017	0.0034	0.0027
%RSD		97.7306	753.2997	59.2903	43.0843	3.1	32.1033	64.8709	200.4632
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	21:15:10	0.0082	0.0047	93.2%	-0.0020				
2	21:16:08	-0.0003	0.0017	97.3%	-0.0015				
3	21:17:06	0.0020	0.0030	98.7%	-0.0013				
X		0.0033	0.0031	96.4%	-0.0016				
σ		0.0044	0.0015	2.9%	0.0003				
%RSD		133.7863	47.7107	3.0	20.2875				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	21:19:43	100.0%	20.2142	19.8965	19.1404	19.6707	18.8784	19.3676	19.8676
2	21:20:40	100.2%	19.7996	19.8025	19.3942	19.3144	17.6968	19.3362	19.3270
3	21:21:39	98.4%	19.4432	19.6683	19.2808	19.5829	18.2955	19.2083	19.1661
X		99.5%	19.8190	19.7891	19.2718	19.5227	18.2903	19.3040	19.4536
σ		1.0%	0.3859	0.1147	0.1272	0.1856	0.5908	0.0844	0.3675
%RSD		1.0	1.9469	0.5795	0.6598	0.9508	3.2303	0.4372	1.8889
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	21:19:43	20.2467	20.7956	20.5595	20.0307	19.9490	20.3027	19.7097	19.9063
2	21:20:40	19.3423	18.4691	19.8729	19.5209	20.0674	19.9710	19.7632	19.8319
3	21:21:39	19.3556	21.0698	19.1857	19.3788	19.5454	20.2000	19.1458	19.6859
X		19.6482	20.1115	19.8727	19.6434	19.8539	20.1579	19.5396	19.8081
σ		0.5184	1.4289	0.6869	0.3428	0.2736	0.1698	0.3420	0.1121
%RSD		2.6382	7.1051	3.4563	1.7451	1.3783	0.8426	1.7505	0.5661
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	21:19:43	96.1%	19.2444	19.8764	20.6222	19.9254	19.0405	19.1786	19.3602
2	21:20:40	96.6%	17.8351	21.1027	20.7087	18.4669	19.7620	19.5037	19.6769
3	21:21:39	96.7%	18.3420	19.5869	19.5659	18.8305	19.8071	19.6744	19.4130
X		96.5%	18.4738	20.1887	20.2989	19.0743	19.5365	19.4523	19.4833
σ		0.3%	0.7138	0.8047	0.6363	0.7592	0.4302	0.2519	0.1697
%RSD		0.4	3.8640	3.9859	3.1348	3.9804	2.2018	1.2950	0.8709
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	21:19:43	96.9%	19.0234	19.5232	19.3054	18.2954	19.0092	95.4%	19.5900
2	21:20:40	96.8%	19.1027	19.2580	19.3789	18.3767	18.8524	96.6%	19.6576
3	21:21:39	94.8%	19.1478	19.3268	19.6040	19.1185	19.1321	96.5%	19.7841
X		96.2%	19.0913	19.3694	19.4294	18.5969	18.9979	96.2%	19.6772
σ		1.2%	0.0630	0.1376	0.1556	0.4535	0.1402	0.7%	0.0986
%RSD		1.3	0.3298	0.7106	0.8009	2.4388	0.7379	0.7	0.5008
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	21:19:43	19.3808	19.3233	19.5088	19.4809	94.2%	19.6335	19.4023	19.5398
2	21:20:40	19.5066	19.2538	19.4165	19.3203	97.0%	19.1723	19.0307	19.5383
3	21:21:39	19.7509	19.5281	19.5768	19.3927	97.6%	19.6351	19.3283	19.1088
X		19.5461	19.3684	19.5007	19.3980	96.3%	19.4803	19.2538	19.3956
σ		0.1882	0.1426	0.0805	0.0804	1.8%	0.2667	0.1967	0.2484
%RSD		0.9630	0.7362	0.4126	0.4147	1.9	1.3693	1.0214	1.2808
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	21:19:43	19.6271	19.5617	93.0%	19.5471				
2	21:20:40	19.2903	19.3321	97.9%	19.3463				
3	21:21:39	19.3099	19.2814	98.5%	19.4999				
X		19.4091	19.3917	96.4%	19.4645				
σ		0.1890	0.1494	3.0%	0.1050				
%RSD		0.9738	0.7702	3.1	0.5395				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	91.1%	0.0005	129.0607	1.2306	5.0909	5.5612	9.5424	0.1960
2	21:26:15	91.4%	0.0042	126.6336	1.3423	4.9834	5.0311	9.2847	0.1909
3	21:27:14	92.5%	0.0088	124.5879	1.4029	4.8628	4.5560	9.1417	0.1950
X		91.7%	0.0045	126.7608	1.3253	4.9790	5.0494	9.3229	0.1939
σ		0.8%	0.0041	2.2391	0.0874	0.1141	0.5028	0.2031	0.0027
%RSD		0.8	91.8886	1.7664	6.5936	2.2917	9.9582	2.1783	1.3950
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	2.3913	5.6958	2.5095	16.4409	16.7152	116.4540	110.2955	113.7605
2	21:26:15	2.3158	2.4910	2.2708	15.9554	16.2152	113.2719	107.2023	110.3062
3	21:27:14	2.3278	4.2488	2.3081	15.5466	15.4040	116.2392	107.3400	112.0762
X		2.3450	4.1452	2.3628	15.9810	16.1114	115.3217	108.2792	112.0476
σ		0.0406	1.6049	0.1284	0.4477	0.6617	1.7784	1.7475	1.7273
%RSD		1.7298	38.7173	5.4328	2.8012	4.1072	1.5421	1.6139	1.5416
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	88.4%	0.5718	0.2338	1.2711	0.2952	0.3701	0.4207	0.4387
2	21:26:15	90.2%	0.6486	0.1043	0.6583	0.8730	0.4203	0.4000	0.4301
3	21:27:14	90.3%	0.4543	0.3809	0.5875	0.2548	0.4234	0.4099	0.3344
X		89.6%	0.5582	0.2397	0.8390	0.4743	0.4046	0.4102	0.4011
σ		1.1%	0.0979	0.1384	0.3759	0.3458	0.0299	0.0103	0.0579
%RSD		1.2	17.5328	57.7358	44.8071	72.9096	7.3981	2.5193	14.4389
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	91.0%	0.0195	0.0135	0.0569	0.0603	0.0460	88.4%	0.6416
2	21:26:15	90.0%	0.0170	0.0160	0.0467	0.0407	0.0629	90.2%	0.6062
3	21:27:14	90.8%	0.0180	0.0208	0.0600	0.0572	0.0451	92.5%	0.5840
X		90.6%	0.0182	0.0168	0.0546	0.0527	0.0514	90.4%	0.6106
σ		0.5%	0.0013	0.0037	0.0069	0.0106	0.0100	2.0%	0.0291
%RSD		0.6	6.9639	22.2826	12.7136	20.0259	19.4855	2.2	4.7601
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	0.5766	5.0407	4.7891	5.0181	89.3%	0.0008	-0.0036	4.7533
2	21:26:15	0.6014	4.9795	4.9396	4.8685	92.9%	0.0005	-0.0007	4.8405
3	21:27:14	0.5581	4.9012	5.2155	4.9721	94.7%	-0.0020	-0.0008	4.7311
X		0.5787	4.9738	4.9814	4.9529	92.3%	-0.0002	-0.0017	4.7750
σ		0.0217	0.0700	0.2162	0.0766	2.7%	0.0015	0.0016	0.0579
%RSD		3.7493	1.4066	4.3405	1.5468	3.0	630.7731	94.8607	1.2116
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:25:18	5.3798	5.1141	90.0%	0.0149				
2	21:26:15	5.2507	5.0898	93.9%	0.0103				
3	21:27:14	5.2396	5.0663	95.9%	0.0146				
X		5.2901	5.0901	93.3%	0.0132				
σ		0.0779	0.0239	3.0%	0.0026				
%RSD		1.4734	0.4698	3.3	19.4639				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:53	91.3%	-0.0001	24.9516	0.2970	1.0243	0.7202	1.8810	0.0480
2	21:30:50	93.4%	-0.0006	25.1993	0.1810	0.9724	0.6655	1.8638	0.0377
3	21:31:48	93.4%	-0.0039	26.4807	0.1994	0.9131	0.3776	1.8077	0.0415
X		92.7%	-0.0016	25.5439	0.2258	0.9699	0.5878	1.8508	0.0424
σ		1.3%	0.0020	0.8207	0.0623	0.0556	0.1841	0.0383	0.0052
%RSD		1.4	131.2895	3.2130	27.6058	5.7362	31.3156	2.0713	12.2271
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:53	0.4436	0.3881	0.6096	3.3464	3.2751	23.0971	21.1518	22.9500
2	21:30:50	0.5017	-0.6095	0.5010	3.1870	3.2560	23.8589	21.7675	23.3724
3	21:31:48	0.3903	-0.1396	0.5298	3.1715	2.9195	23.1971	21.6502	22.9695
X		0.4452	-0.1203	0.5468	3.2350	3.1502	23.3844	21.5232	23.0973
σ		0.0557	0.4991	0.0563	0.0968	0.2000	0.4140	0.3269	0.2385
%RSD		12.5155	414.7080	10.2933	2.9920	6.3502	1.7705	1.5189	1.0324
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:53	91.8%	0.2433	0.1400	1.2456	0.5565	0.0875	0.0877	0.0814
2	21:30:50	91.3%	0.2960	-0.0188	0.2256	0.5968	0.0900	0.0656	0.0867
3	21:31:48	92.6%	0.2909	-0.1413	0.0034	0.4775	0.0926	0.0964	0.0781
X		91.9%	0.2767	-0.0067	0.4915	0.5436	0.0901	0.0833	0.0821
σ		0.7%	0.0291	0.1411	0.6624	0.0607	0.0026	0.0159	0.0043
%RSD		0.7	10.5002	2101.9959	134.7806	11.1667	2.8358	19.0383	5.2886
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:53	91.8%	0.0049	0.0017	0.0176	0.0121	0.0137	91.1%	0.1449
2	21:30:50	91.4%	0.0018	0.0049	0.0056	0.0062	0.0096	92.9%	0.1307
3	21:31:48	92.8%	0.0030	0.0036	0.0009	0.0131	0.0067	93.0%	0.1221
X		92.0%	0.0032	0.0034	0.0080	0.0105	0.0100	92.3%	0.1326
σ		0.7%	0.0016	0.0016	0.0086	0.0037	0.0035	1.1%	0.0115
%RSD		0.8	49.0019	46.7596	107.2871	35.5362	34.9029	1.2	8.6916
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:53	0.1149	1.0378	0.9888	0.9734	91.1%	-0.0025	-0.0057	0.9235
2	21:30:50	0.1177	1.0460	0.9533	0.9893	93.8%	-0.0020	-0.0062	0.9370
3	21:31:48	0.1260	1.0754	0.9653	1.0019	95.3%	-0.0040	-0.0048	0.9474
X		0.1195	1.0530	0.9691	0.9882	93.4%	-0.0028	-0.0056	0.9360
σ		0.0058	0.0198	0.0181	0.0143	2.1%	0.0010	0.0007	0.0120
%RSD		4.8516	1.8803	1.8662	1.4481	2.3	36.2581	12.2020	1.2819
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:29:53	1.1179	1.0205	91.2%	0.0001				
2	21:30:50	1.0896	1.0202	94.3%	0.0017				
3	21:31:48	1.1336	1.0264	96.1%	0.0004				
X		1.1137	1.0224	93.8%	0.0008				
σ		0.0223	0.0035	2.5%	0.0009				
%RSD		2.0033	0.3398	2.7	114.1067				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:26	90.6%	20.0077	144.7599	20.3869	24.2321	22.8650	27.7871	18.9240
2	21:35:25	91.0%	19.2217	143.4821	20.3836	23.7168	22.5438	27.9066	18.9370
3	21:36:24	90.7%	18.8839	143.3524	19.6070	23.7181	23.2675	28.0330	18.9904
X		90.8%	19.3711	143.8648	20.1258	23.8890	22.8921	27.9089	18.9505
σ		0.2%	0.5766	0.7779	0.4493	0.2971	0.3626	0.1230	0.0352
%RSD		0.3	2.9768	0.5407	2.2324	1.2438	1.5839	0.4406	0.1855
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:26	21.4812	23.8670	21.1658	35.0618	35.0898	131.4455	120.5378	128.3291
2	21:35:25	21.5984	25.5488	21.3449	35.0185	35.4432	131.8037	124.9688	128.9007
3	21:36:24	20.7543	23.3026	20.7756	33.8080	34.6306	130.9433	121.5024	126.7359
X		21.2780	24.2395	21.0954	34.6294	35.0545	131.3975	122.3363	127.9886
σ		0.4573	1.1685	0.2911	0.7117	0.4074	0.4322	2.3302	1.1218
%RSD		2.1491	4.8205	1.3800	2.0552	1.1623	0.3289	1.9048	0.8765
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:26	90.3%	18.5398	21.8085	20.1489	18.2235	19.3511	19.3425	19.0425
2	21:35:25	90.4%	18.7966	20.2079	17.9254	18.5511	19.1304	18.9895	18.9244
3	21:36:24	91.2%	18.3668	20.8624	17.9463	18.3528	19.5551	19.2157	19.3205
X		90.6%	18.5677	20.9596	18.6735	18.3758	19.3456	19.1826	19.0958
σ		0.5%	0.2163	0.8048	1.2778	0.1650	0.2124	0.1788	0.2034
%RSD		0.5	1.1648	3.8396	6.8426	0.8981	1.0980	0.9321	1.0650
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:26	89.0%	9.5971	9.6894	18.7546	18.4963	18.7474	90.2%	19.8745
2	21:35:25	90.9%	9.4384	9.4674	19.4570	19.0027	18.9748	90.4%	19.8653
3	21:36:24	88.8%	9.7680	9.7861	19.2517	19.1097	19.2440	90.0%	20.3315
X		89.6%	9.6012	9.6476	19.1544	18.8695	18.9887	90.2%	20.0237
σ		1.1%	0.1648	0.1634	0.3612	0.3277	0.2486	0.2%	0.2665
%RSD		1.3	1.7164	1.6938	1.8856	1.7365	1.3093	0.2	1.3311
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:26	19.6588	23.4250	23.9896	23.8775	90.4%	18.8586	18.7661	23.8009
2	21:35:25	19.8623	23.6719	23.7253	23.8831	92.3%	19.0125	18.9947	23.8961
3	21:36:24	19.9326	24.1988	24.1841	23.9169	93.5%	18.8591	18.8184	23.9006
X		19.8179	23.7652	23.9663	23.8925	92.1%	18.9100	18.8597	23.8659
σ		0.1422	0.3953	0.2303	0.0213	1.6%	0.0888	0.1198	0.0563
%RSD		0.7176	1.6632	0.9608	0.0891	1.7	0.4693	0.6351	0.2359
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:34:26	24.0953	23.8504	91.5%	18.4403				
2	21:35:25	24.3775	24.1903	93.2%	18.9811				
3	21:36:24	24.0875	24.1476	95.1%	18.9688				
X		24.1868	24.0628	93.3%	18.7967				
σ		0.1652	0.1851	1.8%	0.3087				
%RSD		0.6831	0.7693	1.9	1.6424				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:56	98.3%	0.0013	1.6846	-0.1781	0.0949	-1.6641	363.2176	0.5557
2	21:40:54	96.2%	0.0029	1.6272	-0.0311	0.1059	-2.2129	361.6441	0.5413
3	21:41:52	95.9%	0.0003	1.6356	0.0378	0.0960	-2.5063	369.6459	0.5158
x		96.8%	0.0015	1.6492	-0.0571	0.0989	-2.1278	364.8359	0.5376
σ		1.3%	0.0013	0.0310	0.1103	0.0060	0.4275	4.2393	0.0202
%RSD		1.3	84.8810	1.8791	193.0574	6.0887	20.0930	1.1620	3.7602
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:56	1.6813	62.1146	0.5980	0.3118	0.4542	1.5863	4.0835	3.9882
2	21:40:54	1.4647	54.2565	0.3617	0.3004	0.4104	1.6618	3.9096	3.9149
3	21:41:52	1.5010	51.4853	0.5391	0.2862	0.4776	1.7763	3.6267	3.6157
x		1.5490	55.9521	0.4996	0.2995	0.4474	1.6748	3.8732	3.8396
σ		0.1160	5.5138	0.1230	0.0129	0.0341	0.0957	0.2306	0.1973
%RSD		7.4865	9.8545	24.6215	4.2943	7.6161	5.7112	5.9527	5.1394
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:56	93.0%	5.8160	2.3072	1.0158	0.3281	0.3675	0.4264	0.4328
2	21:40:54	92.4%	5.6937	2.4338	0.5554	-0.1257	0.4364	0.4364	0.4480
3	21:41:52	92.5%	6.1305	1.3399	0.1908	-0.0884	0.3568	0.4668	0.3585
x		92.6%	5.8800	2.0270	0.5873	0.0380	0.3869	0.4432	0.4131
σ		0.3%	0.2253	0.5983	0.4135	0.2519	0.0432	0.0210	0.0479
%RSD		0.4	3.8320	29.5191	70.3968	663.0098	11.1704	4.7456	11.5956
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:56	91.0%	0.0005	0.0062	-0.0015	0.0005	0.0039	91.6%	0.0328
2	21:40:54	91.0%	0.0024	0.0037	-0.0015	0.0098	0.0011	91.1%	0.0322
3	21:41:52	90.7%	0.0043	0.0030	0.0009	0.0016	0.0040	91.5%	0.0441
x		90.9%	0.0024	0.0043	-0.0007	0.0040	0.0030	91.4%	0.0364
σ		0.2%	0.0019	0.0017	0.0014	0.0051	0.0017	0.3%	0.0067
%RSD		0.2	77.4335	39.3415	208.5552	128.5928	55.9280	0.3	18.3362
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:56	0.0335	103.6020	103.5742	104.5733	91.5%	-0.0054	-0.0034	0.0120
2	21:40:54	0.0460	104.5415	104.8026	105.6026	94.0%	0.0008	-0.0021	0.0095
3	21:41:52	0.0467	103.8564	104.1602	104.7356	95.1%	0.0003	-0.0054	0.0056
x		0.0421	104.0000	104.1790	104.9705	93.5%	-0.0014	-0.0036	0.0090
σ		0.0074	0.4859	0.6144	0.5534	1.8%	0.0034	0.0016	0.0033
%RSD		17.5924	0.4672	0.5897	0.5272	1.9	239.6075	45.0713	36.1053
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:39:56	0.0043	0.0062	91.3%	0.4227				
2	21:40:54	0.0058	0.0070	93.5%	0.4243				
3	21:41:52	0.0064	0.0037	95.5%	0.4033				
x		0.0055	0.0056	93.5%	0.4167				
σ		0.0011	0.0017	2.1%	0.0117				
%RSD		20.4274	30.5110	2.3	2.8010				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	97.5%	0.0036	1.4159	0.0122	0.0977	-2.2736	369.9097	0.5622
2	21:45:26	97.0%	-0.0010	1.5316	-0.0904	0.0590	-2.3288	363.1930	0.5426
3	21:46:25	97.4%	-0.0036	1.3476	-0.0137	0.0434	-2.4410	365.4119	0.5796
X		97.3%	-0.0003	1.4317	-0.0307	0.0667	-2.3478	366.1715	0.5615
σ		0.3%	0.0036	0.0930	0.0533	0.0279	0.0853	3.4222	0.0185
%RSD		0.3	1094.6291	6.4958	173.9429	41.8479	3.6340	0.9346	3.3003
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	1.5142	60.1020	0.4653	0.2864	0.4239	1.4559	4.1299	3.6983
2	21:45:26	1.4069	55.4804	0.4459	0.1578	0.2929	1.5753	4.2573	3.6682
3	21:46:25	1.3860	52.7629	0.2780	0.1670	0.3120	1.4676	4.0618	3.8308
X		1.4357	56.1151	0.3964	0.2037	0.3429	1.4996	4.1497	3.7324
σ		0.0688	3.7105	0.1030	0.0717	0.0708	0.0658	0.0992	0.0865
%RSD		4.7892	6.6123	25.9837	35.2135	20.6464	4.3879	2.3915	2.3178
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	92.4%	6.4261	1.3313	1.3024	-0.3503	0.3493	0.4272	0.3706
2	21:45:26	93.4%	6.3077	1.2604	0.1658	0.5517	0.3558	0.4092	0.4135
3	21:46:25	92.8%	6.0037	1.7095	0.3055	-0.1242	0.4113	0.3500	0.3868
X		92.9%	6.2458	1.4337	0.5912	0.0257	0.3721	0.3955	0.3903
σ		0.5%	0.2178	0.2415	0.6199	0.4693	0.0341	0.0404	0.0217
%RSD		0.5	3.4879	16.8414	104.8437	1823.0573	9.1610	10.2048	5.5515
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	92.6%	0.0011	0.0036	0.0009	0.0004	0.0010	92.7%	0.0555
2	21:45:26	92.1%	0.0048	0.0011	0.0032	0.0073	0.0010	94.1%	0.0415
3	21:46:25	91.8%	0.0011	0.0017	-0.0015	0.0027	0.0077	93.2%	0.0426
X		92.1%	0.0024	0.0021	0.0009	0.0035	0.0032	93.4%	0.0465
σ		0.4%	0.0021	0.0013	0.0023	0.0035	0.0038	0.7%	0.0078
%RSD		0.5	89.7291	62.1104	264.8703	99.7281	119.0476	0.8	16.6595
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	0.0383	103.3189	104.0143	103.5667	93.6%	0.0010	-0.0072	0.0041
2	21:45:26	0.0497	102.5192	102.4696	103.7529	95.5%	-0.0005	-0.0013	0.0064
3	21:46:25	0.0476	103.2479	102.7183	104.1935	96.1%	-0.0019	-0.0036	0.0138
X		0.0452	103.0286	103.0674	103.8377	95.1%	-0.0005	-0.0040	0.0081
σ		0.0061	0.4427	0.8294	0.3219	1.3%	0.0014	0.0030	0.0051
%RSD		13.4205	0.4296	0.8047	0.3100	1.3	312.5651	73.5173	62.9175
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:44:27	0.0044	0.0083	92.3%	0.4040				
2	21:45:26	0.0086	0.0050	95.5%	0.4152				
3	21:46:25	-0.0005	0.0097	96.5%	0.3975				
X		0.0041	0.0077	94.8%	0.4056				
σ		0.0046	0.0024	2.2%	0.0089				
%RSD		110.3282	31.3185	2.3	2.2022				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:07	99.5%	19.4208	19.8381	19.5183	19.4425	15.8466	371.5762	19.8793
2	21:50:06	98.6%	18.6775	19.9433	18.8819	19.0216	15.7267	371.1353	19.5818
3	21:51:05	97.8%	18.8371	19.6769	18.6254	18.4753	15.5774	368.5216	19.2114
X		98.6%	18.9785	19.8195	19.0085	18.9798	15.7169	370.4110	19.5575
σ		0.9%	0.3913	0.1342	0.4597	0.4849	0.1349	1.6511	0.3346
%RSD		0.9	2.0618	0.6772	2.4183	2.5549	0.8581	0.4457	1.7108
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:07	20.3970	72.2587	19.7777	19.7179	19.8635	20.9508	22.8290	22.6438
2	21:50:06	19.6892	71.0102	19.0641	18.5992	18.8607	20.7157	23.2473	21.7135
3	21:51:05	20.2736	72.3011	18.9400	18.3316	18.6664	19.8744	23.4903	22.1563
X		20.1199	71.8566	19.2606	18.8829	19.1302	20.5136	23.1888	22.1712
σ		0.3781	0.7334	0.4521	0.7354	0.6424	0.5659	0.3345	0.4654
%RSD		1.8790	1.0206	2.3474	3.8946	3.3583	2.7587	1.4425	2.0990
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:07	94.1%	25.0890	20.0741	19.1472	19.4287	19.0985	19.3761	19.2237
2	21:50:06	93.2%	24.3150	21.4158	18.5724	19.2845	19.1274	19.1610	19.3321
3	21:51:05	93.0%	23.3411	21.9030	19.0954	18.0305	19.3124	19.5800	19.3098
X		93.5%	24.2484	21.1310	18.9383	18.9146	19.1794	19.3724	19.2885
σ		0.6%	0.8759	0.9472	0.3179	0.7690	0.1161	0.2095	0.0573
%RSD		0.6	3.6122	4.4823	1.6788	4.0658	0.6053	1.0814	0.2969
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:07	94.3%	18.3699	18.5490	19.0055	17.3110	18.0653	94.4%	18.7818
2	21:50:06	93.3%	18.2399	18.5138	18.8433	17.7544	18.2245	93.3%	19.2142
3	21:51:05	92.8%	18.2407	18.2435	18.6933	17.9976	18.0031	92.9%	19.2945
X		93.5%	18.2835	18.4354	18.8474	17.6877	18.0976	93.5%	19.0968
σ		0.7%	0.0748	0.1672	0.1562	0.3481	0.1142	0.8%	0.2758
%RSD		0.8	0.4092	0.9067	0.8285	1.9680	0.6308	0.8	1.4441
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:07	18.6764	115.1260	116.5808	118.0365	93.8%	18.4526	18.5595	18.4187
2	21:50:06	18.8444	117.6513	116.1021	118.4285	96.1%	18.5453	18.4548	18.4961
3	21:51:05	19.0154	116.0518	116.3204	118.8148	96.9%	18.6325	18.3722	18.2399
X		18.8454	116.2764	116.3344	118.4266	95.6%	18.5434	18.4621	18.3849
σ		0.1695	1.2775	0.2396	0.3891	1.6%	0.0900	0.0938	0.1314
%RSD		0.8994	1.0987	0.2060	0.3286	1.7	0.4853	0.5083	0.7147
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:49:07	18.1175	18.2662	94.7%	19.0252				
2	21:50:06	18.4200	18.4445	95.0%	19.5931				
3	21:51:05	18.1075	18.2261	97.3%	19.2554				
X		18.2150	18.3122	95.7%	19.2912				
σ		0.1776	0.1163	1.4%	0.2857				
%RSD		0.9753	0.6349	1.5	1.4808				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:43	102.4%	0.0027	0.0897	0.0694	0.0895	-1.8551	0.0299	-0.0020
2	21:55:42	102.7%	-0.0008	0.1001	-0.0390	0.0545	-1.7857	0.0431	0.0017
3	21:56:41	101.9%	0.0004	0.0998	0.0518	0.0261	-1.8955	0.0558	0.0042
x		102.3%	0.0008	0.0965	0.0274	0.0567	-1.8455	0.0430	0.0013
σ		0.5%	0.0018	0.0060	0.0582	0.0318	0.0555	0.0130	0.0031
%RSD		0.4	221.7882	6.1686	212.3018	56.0629	3.0082	30.1521	236.1570
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:43	-0.0104	0.1388	0.2474	0.1242	-0.0142	-0.0377	-0.2954	-0.0243
2	21:55:42	0.0003	0.2027	0.1868	0.0258	-0.0346	-0.0536	-0.3613	-0.0859
3	21:56:41	-0.0049	-1.5285	0.0860	0.0154	-0.0224	-0.0824	-0.3578	-0.0555
x		-0.0050	-0.3957	0.1734	0.0551	-0.0238	-0.0579	-0.3382	-0.0552
σ		0.0053	0.9816	0.0815	0.0600	0.0103	0.0227	0.0370	0.0308
%RSD		106.3859	248.0787	47.0279	108.9230	43.2279	39.1572	10.9558	55.7895
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:43	98.0%	0.0579	-0.2365	1.2527	0.1038	0.0446	0.0252	0.0394
2	21:55:42	97.9%	0.2294	-0.1867	0.5594	0.8478	0.0721	0.0636	0.0653
3	21:56:41	96.9%	0.1034	0.1310	0.2213	0.3535	0.0630	0.0787	0.0597
x		97.6%	0.1302	-0.0974	0.6778	0.4350	0.0599	0.0558	0.0548
σ		0.6%	0.0888	0.1993	0.5258	0.3786	0.0140	0.0276	0.0136
%RSD		0.6	68.2196	204.6593	77.5702	87.0396	23.3784	49.4651	24.8490
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:43	97.6%	0.0022	0.0028	0.0008	-0.0007	-0.0009	95.2%	0.0030
2	21:55:42	99.0%	0.0021	0.0034	0.0008	0.0069	0.0027	98.1%	0.0022
3	21:56:41	98.8%	0.0062	0.0093	0.0008	0.0015	0.0018	97.7%	0.0082
x		98.5%	0.0035	0.0052	0.0008	0.0025	0.0012	97.0%	0.0045
σ		0.8%	0.0023	0.0036	0.0000	0.0039	0.0019	1.6%	0.0033
%RSD		0.8	66.1155	69.6153	3.8994	153.4568	153.7787	1.6	72.9354
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:43	0.0024	0.0090	0.0061	0.0032	93.4%	-0.0041	-0.0054	0.0006
2	21:55:42	0.0039	-0.0095	0.0032	0.0050	96.6%	-0.0003	-0.0027	-0.0018
3	21:56:41	0.0056	0.0042	0.0188	0.0079	97.7%	-0.0044	-0.0032	-0.0042
x		0.0040	0.0012	0.0094	0.0053	95.9%	-0.0029	-0.0038	-0.0018
σ		0.0016	0.0096	0.0083	0.0024	2.2%	0.0023	0.0014	0.0024
%RSD		40.4975	772.2596	88.3244	44.3409	2.3	78.7014	38.1043	130.5624
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:54:43	-0.0019	0.0001	92.4%	-0.0025				
2	21:55:42	-0.0043	-0.0004	95.5%	0.0010				
3	21:56:41	-0.0019	-0.0009	96.9%	0.0008				
x		-0.0027	-0.0004	94.9%	-0.0002				
σ		0.0014	0.0005	2.3%	0.0020				
%RSD		52.0649	134.1880	2.5	865.1795				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	21:59:17	96.7%	25.2370	24.6574	24.5898	24.9193	24.1081	24.7494	24.9765
2	22:00:15	96.8%	24.4383	24.6652	24.4776	24.8308	23.0243	25.0468	24.5540
3	22:01:14	97.4%	24.0321	24.2408	24.4730	24.2937	21.8822	24.6321	24.3186
x		96.9%	24.5691	24.5211	24.5135	24.6813	23.0049	24.8094	24.6164
σ		0.4%	0.6130	0.2428	0.0661	0.3385	1.1131	0.2137	0.3334
%RSD		0.4	2.4951	0.9901	0.2697	1.3717	4.8386	0.8615	1.3542
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	21:59:17	25.0401	26.1679	25.7220	25.8674	25.5602	24.7605	24.5564	24.3687
2	22:00:15	24.5657	24.6375	24.9948	24.6501	25.5550	24.5675	25.0529	24.0868
3	22:01:14	24.3933	24.1762	24.5228	24.6479	24.5859	24.2093	25.0657	24.5225
x		24.6663	24.9938	25.0799	25.0551	25.2337	24.5124	24.8917	24.3260
σ		0.3350	1.0426	0.6041	0.7035	0.5610	0.2797	0.2904	0.2210
%RSD		1.3580	4.1713	2.4086	2.8077	2.2233	1.1410	1.1667	0.9084
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	21:59:17	94.4%	24.3210	25.6089	26.2759	25.3938	23.9950	23.9745	23.8158
2	22:00:15	95.9%	23.9975	23.7497	23.5298	25.1103	24.7268	24.1886	24.3950
3	22:01:14	95.6%	24.0434	24.6700	25.4010	24.9592	24.3537	24.7969	24.3286
x		95.3%	24.1206	24.6762	25.0689	25.1544	24.3585	24.3200	24.1798
σ		0.8%	0.1751	0.9296	1.4029	0.2206	0.3659	0.4267	0.3170
%RSD		0.8	0.7258	3.7673	5.5960	0.8771	1.5022	1.7545	1.3108
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	21:59:17	97.6%	24.3885	24.6528	24.2658	24.6836	24.6143	94.0%	24.6632
2	22:00:15	96.6%	24.6170	24.4735	24.3752	23.8760	24.2522	96.9%	24.4431
3	22:01:14	95.2%	24.7418	25.0752	24.5930	24.4454	24.5203	96.8%	24.5956
x		96.5%	24.5824	24.7338	24.4113	24.3350	24.4622	95.9%	24.5673
σ		1.2%	0.1792	0.3089	0.1666	0.4149	0.1879	1.7%	0.1128
%RSD		1.2	0.7289	1.2491	0.6824	1.7051	0.7682	1.7	0.4590
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	21:59:17	24.4768	24.0224	24.7460	24.9162	94.2%	24.2756	24.2124	24.5218
2	22:00:15	23.7584	24.1240	24.4240	24.3650	96.5%	24.5182	24.2132	24.4268
3	22:01:14	24.4021	23.7978	24.2817	24.5188	97.8%	24.3473	24.3043	24.8043
x		24.2124	23.9814	24.4839	24.6000	96.2%	24.3804	24.2433	24.5843
σ		0.3950	0.1669	0.2379	0.2844	1.8%	0.1246	0.0528	0.1964
%RSD		1.6314	0.6961	0.9716	1.1562	1.9	0.5110	0.2179	0.7987
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	21:59:17	24.2590	24.3684	94.5%	24.2681				
2	22:00:15	24.1811	24.2436	97.5%	24.1994				
3	22:01:14	24.4041	24.5962	97.8%	24.4331				
x		24.2814	24.4027	96.6%	24.3002				
σ		0.1132	0.1788	1.8%	0.1201				
%RSD		0.4661	0.7326	1.9	0.4943				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:02	94.7%	-0.0020	-0.0827	-0.0029	0.0331	-1.6633	0.0079	0.0162
2	22:11:01	95.2%	0.0005	-0.1166	-0.0190	-0.0151	-1.5723	0.0153	-0.0035
3	22:12:00	97.4%	-0.0057	-0.0999	-0.2773	0.0070	-1.3649	0.0133	0.0020
X		95.8%	-0.0024	-0.0997	-0.0997	0.0083	-1.5335	0.0122	0.0049
σ		1.4%	0.0031	0.0170	0.1540	0.0241	0.1529	0.0038	0.0101
%RSD		1.5	129.2227	16.9947	154.4021	290.1391	9.9727	31.1764	206.5670
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:02	-0.0125	2.3425	0.2266	0.0995	0.0112	-0.0655	-0.5328	-0.0789
2	22:11:01	0.0042	0.4868	0.1410	0.0657	-0.0192	-0.0636	-0.2405	-0.0349
3	22:12:00	-0.0099	-0.4016	0.0837	0.0227	-0.0216	-0.0301	-0.3965	-0.0539
X		-0.0061	0.8092	0.1504	0.0626	-0.0099	-0.0531	-0.3900	-0.0559
σ		0.0090	1.4002	0.0719	0.0385	0.0183	0.0199	0.1463	0.0221
%RSD		148.6710	173.0300	47.8069	61.4754	184.9186	37.5266	37.5066	39.5174
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:02	91.9%	0.2023	-0.0799	0.9734	0.6315	0.0274	0.0236	0.0185
2	22:11:01	93.3%	0.0022	-0.2564	0.1878	-0.1582	0.0268	0.0387	0.0325
3	22:12:00	93.2%	0.0448	-0.2553	-0.1216	-0.1589	0.0269	0.0388	0.0338
X		92.8%	0.0831	-0.1972	0.3465	0.1048	0.0270	0.0337	0.0283
σ		0.8%	0.1054	0.1016	0.5645	0.4561	0.0003	0.0087	0.0085
%RSD		0.9	126.8617	51.5167	162.8975	435.2163	1.1993	25.9308	30.0959
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:02	92.0%	0.0018	0.0017	-0.0015	0.0016	0.0010	91.5%	0.0031
2	22:11:01	94.1%	0.0017	0.0048	-0.0015	0.0004	-0.0009	93.3%	0.0010
3	22:12:00	93.9%	0.0029	0.0036	-0.0015	0.0004	0.0001	93.2%	0.0030
X		93.3%	0.0021	0.0034	-0.0015	0.0008	0.0001	92.7%	0.0024
σ		1.2%	0.0007	0.0015	0.0000	0.0007	0.0010	1.0%	0.0012
%RSD		1.3	32.0985	46.1610	0.0000	82.7748	1281.6187	1.1	51.7387
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:02	-0.0010	-0.0189	0.0051	-0.0038	91.0%	-0.0044	-0.0031	0.0015
2	22:11:01	-0.0010	-0.0086	0.0083	-0.0046	95.1%	-0.0050	-0.0028	-0.0008
3	22:12:00	-0.0002	-0.0122	0.0062	-0.0007	96.2%	-0.0030	-0.0068	0.0003
X		-0.0007	-0.0132	0.0065	-0.0030	94.1%	-0.0041	-0.0042	0.0003
σ		0.0005	0.0052	0.0016	0.0020	2.7%	0.0010	0.0022	0.0011
%RSD		67.8118	39.6075	25.0416	66.9733	2.9	25.2383	53.2230	346.5289
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:10:02	0.0062	0.0034	90.6%	-0.0024				
2	22:11:01	0.0037	0.0025	94.8%	0.0001				
3	22:12:00	0.0001	0.0006	96.1%	0.0009				
X		0.0033	0.0022	93.8%	-0.0005				
σ		0.0031	0.0014	2.9%	0.0017				
%RSD		92.6437	66.0589	3.1	371.3778				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	98e ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	22:14:41	95.7%	19.7816	19.4034	19.4156	19.3930	17.2592	19.7922	19.9500
2	22:15:40	95.3%	19.4128	19.4332	19.1928	19.2302	16.8103	19.5199	19.3374
3	22:16:37	94.6%	19.5671	19.6818	19.2420	19.2323	17.0811	19.6005	19.4402
X		95.2%	19.5872	19.5061	19.2835	19.2852	17.0502	19.6376	19.5759
σ		0.6%	0.1852	0.1529	0.1171	0.0934	0.2260	0.1399	0.3280
%RSD		0.6	0.9457	0.7837	0.6071	0.4842	1.3258	0.7124	1.6757
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	22:14:41	19.8781	21.6746	19.9997	20.6061	20.2342	20.1093	20.5492	19.7494
2	22:15:40	19.5138	20.6481	19.4689	19.4349	19.1383	20.0496	19.5947	19.6443
3	22:16:37	19.5560	22.2941	19.8746	20.0885	19.7914	20.2467	20.0883	19.6517
X		19.6493	21.5389	19.7810	20.0432	19.7213	20.1352	20.0774	19.6818
σ		0.1993	0.8314	0.2775	0.5869	0.5513	0.1011	0.4773	0.0587
%RSD		1.0141	3.8598	1.4029	2.9281	2.7956	0.5021	2.3775	0.2980
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	22:14:41	91.8%	19.3677	21.1426	19.2765	20.1745	18.8360	19.2962	19.0065
2	22:15:40	93.3%	18.5172	18.3104	19.5152	18.6976	19.4482	19.6121	19.4760
3	22:16:37	92.4%	18.6240	19.9200	19.2079	19.3958	19.2786	19.9862	19.2108
X		92.5%	18.8363	19.7910	19.3332	19.4226	19.1876	19.6315	19.2311
σ		0.7%	0.4633	1.4205	0.1613	0.7388	0.3161	0.3454	0.2354
%RSD		0.8	2.4596	7.1775	0.8344	3.8040	1.6473	1.7595	1.2240
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	22:14:41	94.6%	19.1710	19.6294	19.0046	18.2298	18.7013	91.5%	19.4509
2	22:15:40	93.5%	19.6246	19.7399	19.0201	18.4903	18.6436	94.7%	19.4884
3	22:16:37	93.8%	19.5894	19.5953	19.6996	18.3640	19.1383	93.8%	19.9322
X		94.0%	19.4617	19.6549	19.2414	18.3614	18.8277	93.3%	19.6238
σ		0.5%	0.2524	0.0756	0.3968	0.1303	0.2705	1.6%	0.2677
%RSD		0.6	1.2967	0.3846	2.0623	0.7094	1.4368	1.7	1.3644
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	22:14:41	19.2569	19.6540	19.6321	19.5285	93.1%	19.2914	19.1716	19.2638
2	22:15:40	19.1343	19.2902	18.9545	19.1725	95.9%	19.2143	19.1778	19.4156
3	22:16:37	19.5589	19.2284	19.6608	19.5421	96.6%	19.3179	19.2917	19.5555
X		19.3167	19.3909	19.4158	19.4144	95.2%	19.2745	19.2137	19.4117
σ		0.2185	0.2300	0.3997	0.2096	1.9%	0.0538	0.0676	0.1459
%RSD		1.1311	1.1860	2.0588	1.0795	2.0	0.2791	0.3520	0.7515
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	22:14:41	19.3814	19.3195	92.9%	19.4348				
2	22:15:40	19.5446	19.4423	96.3%	19.5796				
3	22:16:37	19.3547	19.6048	96.4%	19.5594				
X		19.4269	19.4556	95.2%	19.5246				
σ		0.1028	0.1431	2.0%	0.0784				
%RSD		0.5292	0.7355	2.1	0.4017				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:21	95.5%	0.0110	16.5507	-0.1005	0.2187	-0.4559	112.3028	0.2913
2	22:21:20	97.0%	0.0084	16.2853	-0.0195	0.2142	-0.9149	109.5589	0.2696
3	22:22:19	95.8%	0.0046	15.9968	-0.0127	0.1958	-1.1729	111.7714	0.2492
X		96.1%	0.0080	16.2776	-0.0442	0.2096	-0.8479	111.2110	0.2700
σ		0.8%	0.0032	0.2771	0.0488	0.0122	0.3632	1.4553	0.0210
%RSD		0.8	40.3588	1.7021	110.4119	5.7987	42.8333	1.3086	7.7929
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:21	1.2465	23.6411	0.7414	5.7830	5.8709	29.2658	28.2886	28.1364
2	22:21:20	0.9974	19.2538	0.7481	5.3733	5.6587	28.3577	26.1248	27.5955
3	22:22:19	0.9664	14.7747	0.6942	5.4712	5.7689	28.9408	28.1540	27.5730
X		1.0701	19.2232	0.7279	5.5425	5.7662	28.8548	27.5225	27.7683
σ		0.1536	4.4333	0.0294	0.2139	0.1061	0.4601	1.2123	0.3190
%RSD		14.3502	23.0621	4.0388	3.8598	1.8405	1.5945	4.4047	1.1487
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:21	92.0%	0.1798	0.9535	1.1648	0.3651	0.2187	0.2222	0.1918
2	22:21:20	93.5%	0.3695	0.4958	0.3402	0.6219	0.2302	0.1825	0.2141
3	22:22:19	92.5%	0.1524	1.3917	0.5204	0.6310	0.1924	0.1750	0.2019
X		92.7%	0.2339	0.9470	0.6751	0.5393	0.2138	0.1932	0.2026
σ		0.7%	0.1182	0.4480	0.4336	0.1510	0.0194	0.0254	0.0111
%RSD		0.8	50.5512	47.3111	64.2185	27.9917	9.0773	13.1268	5.4971
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:21	93.5%	0.0042	0.0086	0.0475	0.0473	0.0523	93.1%	0.1724
2	22:21:20	94.2%	0.0108	0.0092	0.0404	0.0484	0.0514	92.9%	0.1876
3	22:22:19	91.2%	0.0024	0.0093	0.0714	0.0511	0.0477	93.1%	0.2014
X		93.0%	0.0058	0.0090	0.0531	0.0489	0.0505	93.1%	0.1871
σ		1.6%	0.0044	0.0004	0.0162	0.0019	0.0025	0.1%	0.0145
%RSD		1.7	76.6453	4.3507	30.5364	3.9183	4.9062	0.1	7.7537
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:21	0.1856	4.2739	4.2525	4.3909	93.2%	-0.0022	-0.0000	0.1274
2	22:21:20	0.1758	4.3964	4.4748	4.4249	95.2%	-0.0021	-0.0028	0.1107
3	22:22:19	0.1948	4.1670	4.3517	4.4524	97.5%	0.0065	-0.0039	0.1145
X		0.1854	4.2791	4.3596	4.4227	95.3%	0.0007	-0.0022	0.1175
σ		0.0095	0.1148	0.1113	0.0308	2.1%	0.0050	0.0020	0.0087
%RSD		5.1399	2.6821	2.5540	0.6970	2.3	675.8166	89.3795	7.4294
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:20:21	0.1425	0.1363	93.1%	0.3160				
2	22:21:20	0.1275	0.1263	96.0%	0.3005				
3	22:22:19	0.1290	0.1257	97.6%	0.3149				
X		0.1330	0.1294	95.6%	0.3104				
σ		0.0083	0.0059	2.3%	0.0087				
%RSD		6.2135	4.5771	2.4	2.7908				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	22:24:54	97.2%	0.0067	15.6493	-0.0871	0.2156	-1.0380	112.8113	0.3015
2	22:25:53	96.6%	0.0028	15.8547	0.0338	0.2217	-1.3140	113.4290	0.2477
3	22:26:50	96.5%	0.0038	15.8786	0.0515	0.2107	-1.5749	111.7651	0.2717
X		96.8%	0.0044	15.7942	-0.0006	0.2160	-1.3089	112.6685	0.2737
σ		0.4%	0.0021	0.1260	0.0754	0.0055	0.2685	0.8411	0.0269
%RSD		0.4	46.5461	0.7980	12210.8820	2.5595	20.5108	0.7465	9.8474
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	22:24:54	1.1205	21.8239	0.9351	5.8534	5.8655	28.9112	26.3590	28.2042
2	22:25:53	1.0056	20.3057	0.6617	5.4951	5.5891	27.9728	26.2977	28.1806
3	22:26:50	0.8207	14.4034	0.5455	5.3245	5.5179	27.8131	27.3911	27.7339
X		0.9823	18.8443	0.7141	5.5576	5.6575	28.2324	26.6826	28.0396
σ		0.1513	3.9202	0.2000	0.2699	0.1836	0.5933	0.6144	0.2650
%RSD		15.3984	20.8030	28.0073	4.8571	3.2455	2.1015	2.3025	0.9451
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	22:24:54	92.6%	0.1966	0.7793	0.8000	0.1764	0.1292	0.1803	0.1631
2	22:25:53	93.6%	0.1448	0.7136	0.9230	0.2882	0.1513	0.1969	0.1640
3	22:26:50	93.6%	0.3785	0.7710	0.2880	0.5509	0.1867	0.1767	0.1781
X		93.3%	0.2400	0.7546	0.6703	0.3385	0.1557	0.1846	0.1684
σ		0.6%	0.1227	0.0358	0.3367	0.1922	0.0290	0.0108	0.0084
%RSD		0.6	51.1337	4.7421	50.2339	56.7839	18.6394	5.8461	4.9948
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	22:24:54	93.9%	0.0042	0.0054	0.0522	0.0498	0.0554	92.6%	0.1625
2	22:25:53	93.1%	0.0048	0.0011	0.0500	0.0544	0.0745	92.7%	0.1889
3	22:26:50	91.9%	0.0067	0.0023	0.0660	0.0539	0.0490	94.2%	0.1759
X		93.0%	0.0052	0.0029	0.0561	0.0527	0.0596	93.2%	0.1758
σ		1.0%	0.0013	0.0023	0.0086	0.0026	0.0132	0.9%	0.0132
%RSD		1.1	25.0015	76.7367	15.4119	4.8566	22.2176	1.0	7.5181
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	22:24:54	0.1791	4.4715	4.6439	4.4396	94.4%	0.0012	-0.0028	0.1248
2	22:25:53	0.1511	4.5506	4.3662	4.4113	97.7%	-0.0054	-0.0029	0.1313
3	22:26:50	0.1954	4.2896	4.3972	4.4419	97.5%	-0.0011	-0.0064	0.1176
X		0.1752	4.4372	4.4691	4.4309	96.5%	-0.0018	-0.0040	0.1246
σ		0.0224	0.1338	0.1522	0.0171	1.8%	0.0034	0.0020	0.0069
%RSD		12.7770	3.0162	3.4048	0.3848	1.9	189.0737	50.0919	5.5031
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	22:24:54	0.1492	0.1357	95.6%	0.3088				
2	22:25:53	0.1399	0.1319	96.2%	0.3199				
3	22:26:50	0.1397	0.1308	97.8%	0.3155				
X		0.1429	0.1328	96.6%	0.3147				
σ		0.0054	0.0026	1.1%	0.0056				
%RSD		3.7786	1.9467	1.2	1.7708				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:27	101.8%	0.0063	3.2951	0.1114	0.0699	-2.4683	22.3326	0.0625
2	22:30:26	102.2%	-0.0026	2.9814	0.0142	0.0346	-2.4401	22.2021	0.0493
3	22:31:23	102.7%	0.0075	3.1968	0.1040	0.0373	-2.5766	22.1352	0.0547
x		102.3%	0.0037	3.1578	0.0765	0.0473	-2.4950	22.2233	0.0555
σ		0.5%	0.0056	0.1604	0.0541	0.0196	0.0721	0.1004	0.0067
%RSD		0.4	148.5565	5.0805	70.7426	41.5586	2.8891	0.4516	12.0164
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:27	0.2575	3.9737	0.3107	1.2381	1.1230	5.8729	5.4535	5.8963
2	22:30:26	0.1855	3.1309	0.1833	1.1322	1.1109	5.9696	5.3083	5.6219
3	22:31:23	0.1756	3.2381	0.1925	1.0982	1.0618	6.0689	5.1865	5.5819
x		0.2062	3.4476	0.2288	1.1562	1.0986	5.9705	5.3161	5.7001
σ		0.0447	0.4588	0.0710	0.0730	0.0324	0.0980	0.1336	0.1712
%RSD		21.6738	13.3078	31.0443	6.3109	2.9502	1.6411	2.5139	3.0029
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:27	98.7%	-0.0193	0.1092	0.5580	0.0344	0.0340	0.0242	0.0336
2	22:30:26	100.3%	0.2687	-0.5048	0.1988	0.4171	0.0380	0.0480	0.0464
3	22:31:23	99.9%	0.0764	-0.2025	0.2871	-0.0689	0.0467	0.0358	0.0403
x		99.6%	0.1086	-0.1994	0.3480	0.1275	0.0396	0.0360	0.0401
σ		0.9%	0.1467	0.3070	0.1872	0.2560	0.0065	0.0119	0.0064
%RSD		0.9	135.0972	153.9924	53.7903	200.7476	16.4193	33.0394	16.0307
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:27	101.7%	0.0015	0.0027	0.0094	0.0110	0.0133	99.7%	0.0335
2	22:30:26	100.0%	0.0044	0.0016	0.0072	0.0121	0.0106	100.0%	0.0411
3	22:31:23	101.5%	-0.0002	-0.0002	0.0115	0.0099	0.0142	99.7%	0.0385
x		101.0%	0.0019	0.0014	0.0094	0.0110	0.0127	99.8%	0.0377
σ		0.9%	0.0023	0.0015	0.0022	0.0011	0.0019	0.1%	0.0039
%RSD		0.9	122.1826	107.7554	22.9443	9.7717	14.5792	0.1	10.2908
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:27	0.0365	0.9514	0.7884	0.9040	97.7%	-0.0074	-0.0048	0.0246
2	22:30:26	0.0314	0.7998	0.8305	0.8773	100.5%	-0.0036	-0.0087	0.0274
3	22:31:23	0.0354	0.8998	0.8773	0.9028	102.3%	-0.0054	-0.0047	0.0280
x		0.0344	0.8837	0.8321	0.8947	100.2%	-0.0055	-0.0061	0.0267
σ		0.0027	0.0771	0.0445	0.0151	2.3%	0.0019	0.0023	0.0018
%RSD		7.8050	8.7235	5.3441	1.6859	2.3	35.1234	37.8596	6.6810
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:29:27	0.0216	0.0259	97.3%	0.0544				
2	22:30:26	0.0198	0.0227	100.3%	0.0626				
3	22:31:23	0.0234	0.0289	101.2%	0.0662				
x		0.0216	0.0258	99.6%	0.0611				
σ		0.0018	0.0031	2.1%	0.0061				
%RSD		8.4099	11.9240	2.1	9.9768				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:59	98.2%	20.0319	34.5155	19.2456	19.4053	17.9424	129.2694	19.9259
2	22:34:58	95.2%	19.7661	34.8683	19.3111	19.5853	16.6456	129.1673	19.2566
3	22:35:57	96.0%	19.1275	34.5450	19.4740	19.5124	17.1657	129.4444	19.3385
X		96.5%	19.6418	34.6429	19.3436	19.5010	17.2512	129.2937	19.5070
σ		1.6%	0.4648	0.1957	0.1176	0.0905	0.6526	0.1401	0.3651
%RSD		1.6	2.3666	0.5650	0.6077	0.4642	3.7832	0.1084	1.8715
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:59	21.0754	44.0095	20.6944	25.0457	24.7975	48.7693	47.0267	47.4634
2	22:34:58	20.0188	37.2719	19.7768	24.6661	24.7819	48.5334	45.0519	46.6882
3	22:35:57	20.6409	39.3574	19.9352	24.4776	24.6337	48.1563	46.8006	46.3557
X		20.5784	40.2129	20.1355	24.7298	24.7377	48.4863	46.2930	46.8358
σ		0.5311	3.4493	0.4905	0.2893	0.0904	0.3092	1.0808	0.5684
%RSD		2.5807	8.5776	2.4358	1.1700	0.3654	0.6377	2.3347	1.2136
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:59	94.9%	19.5999	21.0181	18.9734	20.0595	19.3832	20.0264	19.7261
2	22:34:58	94.7%	19.3835	20.0349	20.3280	20.0384	19.4931	19.8256	19.3836
3	22:35:57	92.6%	19.4378	20.1362	19.9381	21.7886	19.7505	20.1385	19.5286
X		94.1%	19.4737	20.3964	19.7465	20.6288	19.5422	19.9969	19.5461
σ		1.3%	0.1126	0.5408	0.6973	1.0044	0.1885	0.1585	0.1719
%RSD		1.4	0.5783	2.6514	3.5313	4.8690	0.9648	0.7926	0.8794
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:59	93.8%	9.5557	9.8184	19.0960	19.4870	19.2271	95.1%	20.1139
2	22:34:58	93.9%	9.4435	9.4331	19.7122	18.9756	19.1341	95.5%	20.1092
3	22:35:57	93.1%	9.5576	9.5573	18.9565	19.4336	19.5344	94.8%	20.2829
X		93.6%	9.5190	9.6029	19.2549	19.2987	19.2985	95.1%	20.1687
σ		0.5%	0.0654	0.1967	0.4021	0.2811	0.2095	0.3%	0.0990
%RSD		0.5	0.6866	2.0481	2.0884	1.4567	1.0855	0.3	0.4906
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:59	19.7634	23.7488	23.6255	23.6716	96.8%	19.0626	18.9852	19.2559
2	22:34:58	19.7285	23.4546	23.5371	23.5452	97.1%	18.9246	19.0205	19.1864
3	22:35:57	19.7125	23.8023	23.4527	23.7735	98.3%	18.9417	18.9660	19.4070
X		19.7348	23.6686	23.5384	23.6634	97.4%	18.9763	18.9906	19.2831
σ		0.0261	0.1872	0.0864	0.1144	0.8%	0.0753	0.0276	0.1128
%RSD		0.1320	0.7911	0.3672	0.4834	0.8	0.3965	0.1454	0.5848
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:33:59	19.0388	19.1578	96.2%	19.5368				
2	22:34:58	19.3185	19.1824	99.3%	19.2335				
3	22:35:57	19.4113	19.4014	97.8%	19.7487				
X		19.2562	19.2472	97.7%	19.5063				
σ		0.1939	0.1341	1.6%	0.2590				
%RSD		1.0070	0.6966	1.6	1.3277				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:37	97.1%	20.7240	36.4433	20.4410	20.3645	17.3176	132.5193	20.3782
2	22:40:36	95.6%	19.3846	34.8169	19.0986	19.5584	17.2834	131.2008	19.8915
3	22:41:35	94.9%	19.3672	34.9109	19.4014	19.1405	16.2914	129.7961	19.2446
X		95.9%	19.8253	35.3904	19.6470	19.6878	16.9641	131.1721	19.8381
σ		1.1%	0.7783	0.9130	0.7041	0.6222	0.5828	1.3618	0.5687
%RSD		1.2	3.9260	2.5799	3.5837	3.1603	3.4357	1.0382	2.8666
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:37	21.1234	46.1227	20.4072	25.9101	25.4701	49.0302	47.2886	48.4279
2	22:40:36	21.0711	39.2648	19.7563	25.1517	24.9169	48.2455	45.6561	47.7824
3	22:41:35	19.7444	33.4258	19.6790	24.1711	24.6174	47.2961	46.4384	46.3509
X		20.6463	39.6045	19.9475	25.0776	25.0015	48.1906	46.4610	47.5204
σ		0.7815	6.3552	0.4000	0.8718	0.4326	0.8683	0.8165	1.0630
%RSD		3.7853	16.0468	2.0052	3.4765	1.7303	1.8019	1.7573	2.2369
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:37	93.3%	19.8198	20.4232	22.5853	19.9134	20.0155	20.6144	19.8756
2	22:40:36	92.8%	19.5092	22.1838	20.6059	20.4947	20.0285	19.5591	20.0703
3	22:41:35	93.4%	19.8268	20.5087	19.1550	21.2471	20.1681	20.1535	20.0497
X		93.2%	19.7186	21.0386	20.7821	20.5517	20.0707	20.1090	19.9985
σ		0.3%	0.1814	0.9927	1.7219	0.6687	0.0846	0.5290	0.1070
%RSD		0.3	0.9197	4.7187	8.2857	3.2537	0.4215	2.6309	0.5349
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:37	92.3%	19.3222	19.2053	19.6866	18.4715	18.9392	93.5%	19.7739
2	22:40:36	92.3%	19.2759	19.0284	19.5572	18.2584	19.4028	92.9%	20.1457
3	22:41:35	89.9%	19.1963	19.2268	19.9128	18.6762	19.1583	92.9%	20.3595
X		91.5%	19.2648	19.1535	19.7189	18.4687	19.1668	93.1%	20.0930
σ		1.4%	0.0637	0.1089	0.1800	0.2089	0.2319	0.3%	0.2963
%RSD		1.5	0.3305	0.5684	0.9126	1.1313	1.2098	0.4	1.4749
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:37	19.6386	23.6819	24.1622	24.1745	93.3%	19.2409	19.1840	19.1318
2	22:40:36	19.8805	23.7955	23.8006	24.0095	96.3%	19.0938	18.9646	19.3205
3	22:41:35	20.0420	25.0931	24.6836	24.3672	96.4%	19.3503	19.2166	19.2979
X		19.8537	24.1901	24.2155	24.1838	95.4%	19.2283	19.1217	19.2501
σ		0.2030	0.7840	0.4439	0.1790	1.8%	0.1287	0.1371	0.1031
%RSD		1.0226	3.2411	1.8333	0.7401	1.8	0.6695	0.7167	0.5354
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:39:37	19.5335	19.3431	94.4%	19.5712				
2	22:40:36	19.0211	19.2165	96.5%	19.8289				
3	22:41:35	19.4061	19.4132	97.3%	20.0100				
X		19.3202	19.3242	96.1%	19.8034				
σ		0.2668	0.0997	1.5%	0.2205				
%RSD		1.3807	0.5158	1.6	1.1133				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:16	99.8%	0.0085	60.4957	1.6349	0.9331	-3.0187	12.7386	1.1422
2	22:46:15	95.2%	0.0079	62.0046	1.5210	0.7941	-3.0456	13.0130	1.0690
3	22:47:14	96.9%	0.0084	61.1421	1.6056	0.7663	-3.5049	12.6599	1.0483
X		97.3%	0.0083	61.2141	1.5872	0.8312	-3.1897	12.8038	1.0865
σ		2.3%	0.0003	0.7570	0.0591	0.0894	0.2733	0.1854	0.0493
%RSD		2.4	3.9783	1.2366	3.7258	10.7560	8.5682	1.4478	4.5402
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:16	5.4427	209.1678	1.6945	5.6652	6.2255	1.4986	3.7042	3.6816
2	22:46:15	4.6609	177.2999	1.6186	5.3288	5.9044	1.6219	3.6454	3.2664
3	22:47:14	4.3764	170.3750	1.7564	5.2423	5.6990	1.6629	3.2513	3.5110
X		4.8267	185.6142	1.6899	5.4121	5.9430	1.5945	3.5336	3.4863
σ		0.5522	20.6897	0.0690	0.2234	0.2654	0.0855	0.2463	0.2087
%RSD		11.4398	11.1466	4.0844	4.1283	4.4656	5.3626	6.9697	5.9857
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:16	93.6%	0.4761	6.1044	1.3462	0.2509	2.3379	2.2709	2.3017
2	22:46:15	92.5%	1.0744	4.1748	1.0096	1.0082	2.3265	2.2356	2.2688
3	22:47:14	93.0%	0.7071	5.2388	0.5081	1.0806	2.2993	2.3148	2.4275
X		93.0%	0.7525	5.1727	0.9546	0.7799	2.3212	2.2737	2.3326
σ		0.6%	0.3017	0.9665	0.4217	0.4596	0.0198	0.0397	0.0837
%RSD		0.6	40.0944	18.6843	44.1800	58.9222	0.8541	1.7452	3.5897
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:16	92.8%	0.0116	0.0118	0.0174	0.0166	0.0222	92.0%	0.2902
2	22:46:15	91.5%	0.0147	0.0112	0.0173	0.0234	0.0105	93.1%	0.3121
3	22:47:14	91.2%	0.0174	0.0062	0.0080	0.0238	0.0155	91.6%	0.2850
X		91.8%	0.0146	0.0097	0.0142	0.0213	0.0161	92.3%	0.2958
σ		0.8%	0.0029	0.0031	0.0054	0.0040	0.0058	0.8%	0.0144
%RSD		0.9	19.8470	31.6547	37.6949	18.9235	36.3050	0.9	4.8625
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:16	0.2498	88.7174	89.5840	90.8355	93.6%	0.0131	0.0030	0.0421
2	22:46:15	0.2517	88.7021	89.1294	89.4610	95.8%	0.0046	0.0079	0.0390
3	22:47:14	0.2746	91.3101	89.6488	91.2950	96.3%	0.0059	0.0029	0.0445
X		0.2587	89.5765	89.4541	90.5305	95.2%	0.0078	0.0046	0.0418
σ		0.0138	1.5013	0.2830	0.9543	1.4%	0.0046	0.0028	0.0028
%RSD		5.3415	1.6760	0.3164	1.0541	1.5	58.9346	61.2599	6.5981
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:45:16	0.0531	0.0439	92.8%	2.4159				
2	22:46:15	0.0525	0.0479	94.8%	2.4268				
3	22:47:14	0.0380	0.0433	95.7%	2.4212				
X		0.0478	0.0450	94.4%	2.4213				
σ		0.0085	0.0025	1.5%	0.0055				
%RSD		17.8676	5.5083	1.6	0.2251				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:52	88.7%	0.0181	54.6674	22.8436	3.5985	0.0061	1344.1837	2.0114
2	22:50:51	90.4%	0.0207	54.4073	22.9797	3.5212	0.2329	1352.9916	1.9995
3	22:51:48	90.6%	0.0144	54.5878	22.2622	3.4317	-0.0403	1350.3112	1.9102
x		89.9%	0.0177	54.5542	22.6952	3.5171	0.0662	1349.1622	1.9737
σ		1.1%	0.0031	0.1333	0.3811	0.0834	0.1462	4.5150	0.0553
%RSD		1.2	17.7191	0.2443	1.6791	2.3725	220.7271	0.3347	2.8017
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:52	3.2069	107.4693	6.6662	0.7372	0.7744	0.8815	4.5538	3.2611
2	22:50:51	2.9590	97.4172	6.8107	0.7163	0.6839	0.8472	4.6869	3.3980
3	22:51:48	2.9490	97.2087	6.9341	0.6214	0.6586	0.8300	4.7230	3.4622
x		3.0383	100.6984	6.8037	0.6916	0.7056	0.8529	4.6546	3.3738
σ		0.1461	5.8647	0.1341	0.0617	0.0608	0.0262	0.0891	0.1027
%RSD		4.8087	5.8240	1.9709	8.9223	8.6225	3.0762	1.9143	3.0443
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:52	86.7%	0.9373	3.2572	2.1318	0.8712	0.3898	0.3930	0.3918
2	22:50:51	87.8%	1.3279	2.5518	1.1728	1.0548	0.4098	0.4280	0.3962
3	22:51:48	90.7%	1.3021	2.3520	0.9335	1.3494	0.4328	0.4503	0.4435
x		88.4%	1.1891	2.7203	1.4127	1.0918	0.4108	0.4238	0.4105
σ		2.1%	0.2184	0.4756	0.6342	0.2413	0.0215	0.0289	0.0286
%RSD		2.3	18.3694	17.4824	44.8914	22.0972	5.2443	6.8081	6.9762
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:52	83.6%	0.0498	0.0225	0.0240	0.0167	0.0022	86.3%	0.1838
2	22:50:51	86.7%	0.0416	0.0238	0.0183	0.0259	0.0031	88.8%	0.1778
3	22:51:48	86.4%	0.0487	0.0170	0.0254	0.0184	0.0070	90.1%	0.1981
x		85.6%	0.0467	0.0211	0.0226	0.0203	0.0041	88.4%	0.1866
σ		1.7%	0.0044	0.0036	0.0038	0.0049	0.0025	1.9%	0.0104
%RSD		2.0	9.5044	17.0070	16.7963	23.8866	62.1551	2.2	5.5741
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:52	0.1769	126.8288	127.6922	128.3616	89.6%	0.0062	-0.0049	0.0379
2	22:50:51	0.1581	128.1195	128.5463	130.1088	92.3%	-0.0067	-0.0104	0.0526
3	22:51:48	0.1826	129.0737	127.8350	129.8134	94.4%	-0.0055	-0.0052	0.0455
x		0.1725	128.0074	128.0245	129.4279	92.1%	-0.0020	-0.0068	0.0453
σ		0.0128	1.1266	0.4575	0.9352	2.4%	0.0071	0.0031	0.0074
%RSD		7.4067	0.8801	0.3574	0.7226	2.6	357.0567	45.6567	16.2642
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:49:52	0.0521	0.0487	89.2%	0.1997				
2	22:50:51	0.0494	0.0557	91.7%	0.2094				
3	22:51:48	0.0553	0.0538	93.3%	0.2076				
x		0.0523	0.0527	91.4%	0.2055				
σ		0.0030	0.0036	2.1%	0.0052				
%RSD		5.6935	6.8568	2.3	2.5137				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:23	89.6%	0.1619	770.6622	17.9768	17.0565	14.9694	2501.4567	3.6502
2	22:55:20	88.1%	0.1800	791.0148	18.1864	17.1160	15.1254	2565.0420	3.6542
3	22:56:19	88.2%	0.1655	768.2723	18.2274	17.3094	14.6130	2535.9560	3.6848
X		88.6%	0.1691	776.6498	18.1302	17.1606	14.9026	2534.1516	3.6631
σ		0.9%	0.0096	12.4977	0.1345	0.1322	0.2627	31.8310	0.0190
%RSD		1.0	5.6521	1.6092	0.7417	0.7705	1.7626	1.2561	0.5175
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:23	3.4663	52.7692	11.3742	1.9325	1.6953	6.4555	8.8032	8.5295
2	22:55:20	3.4655	42.9453	12.8075	1.9057	1.5030	6.7893	9.4301	8.2378
3	22:56:19	3.2527	40.3781	13.1439	1.9299	1.5558	6.6217	9.2066	8.8990
X		3.3949	45.3642	12.4419	1.9227	1.5847	6.6222	9.1467	8.5554
σ		0.1231	6.5401	0.9398	0.0148	0.0994	0.1669	0.3177	0.3314
%RSD		3.6268	14.4169	7.5534	0.7700	6.2708	2.5197	3.4737	3.8730
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:23	90.1%	4.4384	2.3576	1.6699	1.3861	0.4761	0.5715	0.5367
2	22:55:20	88.4%	4.4661	2.4147	1.0691	1.2467	0.5037	0.5462	0.5541
3	22:56:19	89.3%	4.9147	1.3131	1.4446	2.2267	0.5704	0.5921	0.5590
X		89.2%	4.6064	2.0285	1.3945	1.6198	0.5167	0.5699	0.5499
σ		0.9%	0.2673	0.6202	0.3036	0.5302	0.0485	0.0230	0.0117
%RSD		1.0	5.8037	30.5726	21.7670	32.7310	9.3847	4.0358	2.1349
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:23	87.8%	0.0303	0.0183	0.0550	0.1028	0.0789	88.8%	0.2565
2	22:55:20	87.3%	0.0335	0.0156	0.0496	0.1099	0.0619	90.4%	0.2235
3	22:56:19	86.7%	0.0385	0.0199	0.0654	0.0879	0.0705	88.2%	0.2569
X		87.3%	0.0341	0.0179	0.0567	0.1002	0.0704	89.1%	0.2456
σ		0.6%	0.0041	0.0022	0.0080	0.0112	0.0085	1.2%	0.0192
%RSD		0.7	12.1044	12.0462	14.1986	11.2058	12.0467	1.3	7.8160
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:23	0.2329	109.8538	108.7291	110.8685	92.0%	-0.0019	-0.0028	0.5363
2	22:55:20	0.2342	109.9317	108.8591	110.3441	93.1%	-0.0050	-0.0046	0.5135
3	22:56:19	0.2665	112.7293	112.3759	113.2508	94.0%	0.0010	-0.0023	0.5426
X		0.2445	110.8383	109.9881	111.4878	93.0%	-0.0020	-0.0032	0.5308
σ		0.0191	1.6382	2.0690	1.5492	1.0%	0.0030	0.0012	0.0153
%RSD		7.7915	1.4780	1.8811	1.3896	1.1	154.2270	36.5523	2.8803
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:54:23	0.5976	0.5526	94.8%	0.5512				
2	22:55:20	0.5446	0.5352	97.4%	0.5481				
3	22:56:19	0.5393	0.5613	97.3%	0.5475				
X		0.5605	0.5497	96.5%	0.5490				
σ		0.0323	0.0133	1.5%	0.0020				
%RSD		5.7548	2.4153	1.5	0.3613				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:55	96.9%	0.0176	76.9174	0.1440	0.3262	-0.7071	51.1643	1.2673
2	22:59:54	99.1%	0.0127	74.5562	0.0919	0.3535	-0.6543	50.5679	1.2645
3	23:00:53	96.2%	0.0206	75.6648	0.0290	0.3033	-0.7423	51.3056	1.2414
X		97.4%	0.0170	75.7128	0.0883	0.3277	-0.7012	51.0126	1.2577
σ		1.5%	0.0040	1.1813	0.0576	0.0251	0.0443	0.3916	0.0142
%RSD		1.5	23.4034	1.5603	65.1965	7.6657	6.3123	0.7676	1.1304
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:55	1.3817	21.2632	2.2939	5.3488	5.1673	13.3860	12.4214	12.9865
2	22:59:54	1.4045	20.5441	2.0533	5.1043	5.0864	13.6860	12.5751	12.9489
3	23:00:53	1.4414	16.9592	1.8072	5.1068	5.0532	13.5094	12.5546	13.2275
X		1.4092	19.5888	2.0515	5.1866	5.1023	13.5272	12.5170	13.0543
σ		0.0302	2.3055	0.2433	0.1404	0.0587	0.1508	0.0834	0.1511
%RSD		2.1406	11.7696	11.8620	2.7078	1.1498	1.1149	0.6665	1.1578
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:55	98.8%	0.4658	0.8310	1.1403	0.0684	0.3017	0.3586	0.2741
2	22:59:54	97.6%	0.5116	0.5344	1.1882	0.5289	0.2575	0.3243	0.2851
3	23:00:53	95.9%	0.3195	1.3535	0.6792	0.3567	0.2882	0.2824	0.2894
X		97.4%	0.4323	0.9063	1.0026	0.3180	0.2825	0.3218	0.2829
σ		1.5%	0.1003	0.4147	0.2811	0.2327	0.0226	0.0381	0.0079
%RSD		1.5	23.2103	45.7593	28.0356	73.1641	8.0167	11.8501	2.7968
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:55	97.7%	0.0039	0.0040	0.0074	0.0113	0.0154	98.1%	0.8346
2	22:59:54	99.6%	0.0016	0.0028	0.0140	0.0210	0.0145	97.7%	0.8205
3	23:00:53	96.3%	0.0004	0.0022	0.0008	0.0188	0.0126	98.8%	0.8199
X		97.9%	0.0020	0.0030	0.0074	0.0170	0.0141	98.2%	0.8250
σ		1.7%	0.0018	0.0009	0.0066	0.0051	0.0014	0.5%	0.0083
%RSD		1.7	90.2898	30.5165	89.5302	30.0483	10.0557	0.6	1.0086
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:55	0.8537	5.1849	5.1619	5.3365	95.7%	0.0037	-0.0021	0.2787
2	22:59:54	0.8367	5.4293	5.2026	5.3755	98.3%	0.0023	-0.0019	0.2796
3	23:00:53	0.7666	5.1147	5.3522	5.2543	98.0%	0.0022	-0.0013	0.2891
X		0.8190	5.2430	5.2389	5.3221	97.3%	0.0027	-0.0018	0.2825
σ		0.0462	0.1651	0.1002	0.0619	1.4%	0.0008	0.0005	0.0057
%RSD		5.6388	3.1497	1.9127	1.1628	1.5	31.4014	26.2018	2.0339
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:58:55	0.3220	0.2941	95.6%	0.2992				
2	22:59:54	0.3286	0.2951	97.4%	0.2985				
3	23:00:53	0.3019	0.2902	98.2%	0.2988				
X		0.3175	0.2931	97.0%	0.2989				
σ		0.0139	0.0026	1.3%	0.0003				
%RSD		4.3848	0.8986	1.4	0.1039				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	23:03:28	103.0%	25.4169	24.5707	25.3827	25.4788	23.3154	25.0045	25.5446
2	23:04:27	100.5%	25.4680	24.4394	24.3794	24.5647	22.8037	24.4395	24.6226
3	23:05:26	99.6%	24.5487	23.8506	24.8300	24.9440	23.3279	25.0595	25.0865
x		101.1%	25.1446	24.2869	24.8641	24.9958	23.1490	24.8345	25.0846
σ		1.8%	0.5166	0.3835	0.5025	0.4593	0.2991	0.3432	0.4610
%RSD		1.8	2.0547	1.5791	2.0210	1.8374	1.2921	1.3819	1.8378
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	23:03:28	25.4943	25.6491	26.4789	25.6561	26.0366	24.8043	25.2205	24.4373
2	23:04:27	24.8787	23.1245	25.3415	24.7540	24.9060	24.4991	25.3712	24.1881
3	23:05:26	25.5360	27.1493	26.4265	24.8218	24.3634	24.9134	23.2476	24.2056
x		25.3030	25.3076	26.0823	25.0773	25.1020	24.7390	24.6131	24.2770
σ		0.3680	2.0340	0.6421	0.5024	0.8537	0.2147	1.1849	0.1391
%RSD		1.4545	8.0371	2.4618	2.0035	3.4008	0.8680	4.8142	0.5731
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	23:03:28	99.6%	23.9809	26.0775	25.4628	24.1713	23.7689	23.9769	23.9899
2	23:04:27	101.7%	23.9474	23.8522	25.0177	23.8014	24.2718	24.1989	24.0601
3	23:05:26	98.3%	23.1403	25.2835	25.4214	23.7123	24.1359	24.5987	24.0422
x		99.9%	23.6895	25.0711	25.3006	23.8950	24.0588	24.2582	24.0307
σ		1.7%	0.4759	1.1278	0.2459	0.2434	0.2602	0.3151	0.0365
%RSD		1.7	2.0091	4.4982	0.9720	1.0187	1.0814	1.2988	0.1519
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	23:03:28	103.0%	24.4541	24.4401	23.8796	23.9697	24.3197	99.6%	24.3382
2	23:04:27	101.9%	24.3974	24.6136	24.0619	24.0169	24.4653	100.5%	24.5513
3	23:05:26	101.4%	24.2478	24.1407	24.3779	23.8914	24.6941	100.1%	24.5575
x		102.1%	24.3664	24.3982	24.1065	23.9593	24.4930	100.1%	24.4823
σ		0.8%	0.1066	0.2392	0.2522	0.0634	0.1888	0.4%	0.1248
%RSD		0.8	0.4375	0.9805	1.0460	0.2644	0.7707	0.4	0.5099
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	23:03:28	24.2534	24.8090	24.7014	24.8180	97.2%	24.3159	24.3098	24.7353
2	23:04:27	24.0656	24.7895	24.6053	24.8022	99.4%	24.3548	23.9747	24.3875
3	23:05:26	24.5518	24.6628	24.8890	24.6073	100.1%	24.7880	24.4592	24.7490
x		24.2903	24.7538	24.7319	24.7425	98.9%	24.4863	24.2479	24.6239
σ		0.2452	0.0794	0.1443	0.1173	1.5%	0.2621	0.2481	0.2049
%RSD		1.0094	0.3208	0.5835	0.4742	1.6	1.0703	1.0232	0.8320
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	23:03:28	24.6101	24.4270	97.9%	23.9526				
2	23:04:27	24.2896	24.3555	100.3%	24.1303				
3	23:05:26	24.4832	24.5868	99.6%	24.3674				
x		24.4610	24.4564	99.3%	24.1501				
σ		0.1614	0.1184	1.2%	0.2081				
%RSD		0.6597	0.4843	1.2	0.8617				

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User Pre-dilution: 1.000

Run	Time	6Li	98e	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:00	95.6%	-0.0007	-0.0951	-0.1508	0.0165	-2.4004	0.0126	-0.0005
2	23:14:59	95.9%	-0.0049	-0.0922	-0.1544	-0.0070	-2.4650	0.0214	0.0015
3	23:15:58	95.9%	0.0081	-0.1023	-0.0555	0.0054	-2.8074	0.0143	0.0036
X		95.8%	0.0009	-0.0966	-0.1203	0.0049	-2.5576	0.0161	0.0016
σ		0.2%	0.0067	0.0052	0.0561	0.0118	0.2187	0.0046	0.0020
%RSD		0.2	781.6227	5.3899	46.6289	237.7360	8.5526	28.8098	130.1986
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:00	-0.0044	-2.1663	0.3988	0.1056	-0.0416	-0.0508	-0.4179	-0.0560
2	23:14:59	0.0009	-1.3288	0.3143	0.0722	-0.0047	-0.0406	-0.3864	-0.0720
3	23:15:58	-0.0046	-1.8265	0.2375	0.0013	-0.0005	-0.0573	-0.3878	-0.0578
X		-0.0027	-1.7739	0.3169	0.0597	-0.0156	-0.0496	-0.3974	-0.0619
σ		0.0032	0.4212	0.0807	0.0533	0.0226	0.0085	0.0178	0.0088
%RSD		116.6297	23.7453	25.4639	89.2522	144.8629	17.0508	4.4790	14.1971
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:00	94.8%	0.0384	0.2574	0.8291	0.4295	0.0221	0.0282	0.0220
2	23:14:59	95.6%	-0.0407	-0.2725	1.0837	-0.2608	0.0397	0.0165	0.0354
3	23:15:58	96.1%	-0.0088	-0.0694	0.3600	0.0315	0.0258	0.0281	0.0324
X		95.5%	-0.0037	-0.0281	0.7576	0.0667	0.0292	0.0243	0.0300
σ		0.7%	0.0398	0.2673	0.3671	0.3465	0.0093	0.0068	0.0070
%RSD		0.7	1074.2414	950.0078	48.4542	519.3168	31.8672	27.8747	23.4981
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:00	98.3%	0.0022	0.0022	-0.0015	0.0004	0.0010	94.0%	0.0009
2	23:14:59	95.9%	0.0028	0.0023	-0.0015	0.0049	0.0010	95.2%	0.0009
3	23:15:58	98.1%	0.0033	0.0052	-0.0015	0.0015	0.0028	96.4%	0.0009
X		97.4%	0.0028	0.0032	-0.0015	0.0023	0.0016	95.2%	0.0009
σ		1.3%	0.0006	0.0017	0.0000	0.0023	0.0010	1.2%	0.0000
%RSD		1.3	20.4602	53.0208	0.0000	103.0338	65.7276	1.2	1.9893
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:00	0.0024	-0.0014	0.0022	-0.0014	93.8%	-0.0006	-0.0035	0.0001
2	23:14:59	0.0041	0.0014	-0.0003	-0.0071	97.5%	-0.0016	0.0015	0.0040
3	23:15:58	0.0006	-0.0267	0.0033	-0.0032	98.3%	0.0007	-0.0032	-0.0006
X		0.0024	-0.0089	0.0018	-0.0039	96.6%	-0.0005	-0.0018	0.0012
σ		0.0017	0.0155	0.0019	0.0029	2.4%	0.0011	0.0028	0.0025
%RSD		72.4568	173.7164	106.8615	73.9786	2.5	225.5775	159.7641	210.9225
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:14:00	0.0009	0.0027	92.4%	-0.0016				
2	23:14:59	0.0011	0.0026	95.8%	-0.0031				
3	23:15:58	0.0040	0.0013	97.8%	-0.0014				
X		0.0020	0.0022	95.3%	-0.0021				
σ		0.0017	0.0008	2.7%	0.0009				
%RSD		87.4607	35.5844	2.8	44.6578				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:34	101.2%	0.0066	4.0241	-0.0351	0.2054	-0.4182	215.9627	1.2585
2	23:19:31	97.9%	0.0075	4.1696	0.0090	0.2138	-0.4542	214.9657	1.2483
3	23:20:30	96.8%	0.0073	4.1896	0.0421	0.1906	-0.6744	211.6592	1.1831
X		98.7%	0.0072	4.1277	0.0053	0.2033	-0.5156	214.1959	1.2300
σ		2.3%	0.0005	0.0903	0.0387	0.0118	0.1387	2.2527	0.0409
%RSD		2.3	7.2566	2.1874	725.3042	5.7900	26.9047	1.0517	3.3265
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:34	6.2914	118.7107	4.1985	7.4598	7.8917	10.7415	10.9973	10.5870
2	23:19:31	5.9875	111.8495	4.2871	7.6029	8.2207	10.8525	9.4075	11.2202
3	23:20:30	5.7428	101.5224	3.9512	7.1718	7.8667	10.7159	9.9203	10.6190
X		6.0073	110.6942	4.1456	7.4115	7.9930	10.7699	10.1084	10.8087
σ		0.2748	8.6522	0.1741	0.2195	0.1976	0.0726	0.8114	0.3567
%RSD		4.5751	7.8163	4.1987	2.9623	2.4717	0.6741	8.0271	3.3000
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:34	95.1%	0.4880	2.7582	1.1714	0.1019	1.4648	1.4283	1.3896
2	23:19:31	93.2%	0.5787	3.2510	0.9562	0.5114	1.4681	1.6153	1.4372
3	23:20:30	94.8%	0.3700	3.6854	0.9112	0.5461	1.5296	1.4620	1.4465
X		94.4%	0.4789	3.2315	1.0130	0.3865	1.4875	1.5019	1.4245
σ		1.0%	0.1046	0.4639	0.1391	0.2470	0.0365	0.0997	0.0305
%RSD		1.1	21.8510	14.3556	13.7302	63.9244	2.4508	6.6357	2.1420
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:34	94.0%	0.0120	0.0128	0.0882	0.0624	0.0618	94.7%	0.6269
2	23:19:31	94.0%	0.0090	0.0073	0.0724	0.0536	0.0555	94.2%	0.6370
3	23:20:30	92.6%	0.0097	0.0073	0.0593	0.0783	0.0609	93.2%	0.6183
X		93.6%	0.0102	0.0091	0.0733	0.0648	0.0594	94.0%	0.6274
σ		0.8%	0.0016	0.0032	0.0145	0.0125	0.0034	0.8%	0.0094
%RSD		0.8	15.3064	34.8041	19.7937	19.3076	5.7184	0.8	1.4915
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:34	0.5747	16.5433	16.7942	16.6743	95.2%	0.0135	0.0149	0.0871
2	23:19:31	0.5692	16.9723	16.4876	16.7460	96.8%	0.0042	0.0104	0.0903
3	23:20:30	0.6188	16.9995	16.7237	16.6687	97.7%	0.0156	0.0080	0.1047
X		0.5876	16.8384	16.6685	16.6963	96.5%	0.0111	0.0111	0.0940
σ		0.0272	0.2559	0.1606	0.0431	1.3%	0.0061	0.0035	0.0094
%RSD		4.6259	1.5197	0.9632	0.2582	1.3	54.6019	31.1949	9.9959
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:18:34	0.1065	0.1050	95.0%	2.0795				
2	23:19:31	0.0976	0.1004	96.0%	2.1218				
3	23:20:30	0.1008	0.1059	96.9%	2.1192				
X		0.1016	0.1038	96.0%	2.1068				
σ		0.0045	0.0029	1.0%	0.0237				
%RSD		4.4414	2.8211	1.0	1.1237				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:12	100.3%	0.0098	28.0607	1.9331	0.4201	-2.3832	1245.4940	2.5921
2	23:24:09	98.3%	0.0089	28.5612	2.0860	0.4292	-3.0908	1226.0791	2.4264
3	23:25:08	97.9%	0.0101	28.5701	2.1401	0.4217	-3.2735	1245.2202	2.5065
X		98.9%	0.0096	28.3973	2.0530	0.4237	-2.9158	1238.9311	2.5083
σ		1.3%	0.0006	0.2916	0.1074	0.0049	0.4702	11.1310	0.0829
%RSD		1.3	6.3204	1.0268	5.2293	1.1514	16.1265	0.8984	3.3039
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:12	1.9764	59.1058	0.9389	0.8468	0.9781	10.6918	10.9261	11.0784
2	23:24:09	1.8366	54.5815	0.9749	0.7853	0.9502	10.4991	11.7302	11.7773
3	23:25:08	1.8590	55.6782	1.0278	0.8068	1.0065	10.9736	10.2375	11.4806
X		1.8906	56.4552	0.9805	0.8129	0.9783	10.7215	10.9646	11.4454
σ		0.0751	2.3601	0.0447	0.0312	0.0282	0.2386	0.7471	0.3507
%RSD		3.9714	4.1805	4.5589	3.8406	2.8784	2.2256	6.8138	3.0645
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:12	97.7%	1.5446	1.6251	1.1147	0.6396	2.0548	2.0733	1.9070
2	23:24:09	96.1%	1.5001	1.1885	0.7301	-0.0050	1.9217	1.7728	1.9266
3	23:25:08	95.0%	1.5346	1.1636	0.8437	0.5053	2.0547	1.9673	2.0353
X		96.3%	1.5264	1.3257	0.8962	0.3800	2.0104	1.9378	1.9563
σ		1.4%	0.0234	0.2596	0.1976	0.3401	0.0768	0.1524	0.0691
%RSD		1.4	1.5324	19.5778	22.0521	89.5076	3.8198	7.8652	3.5306
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:12	96.8%	0.0028	0.0034	0.0121	0.0137	0.0221	96.3%	0.2246
2	23:24:09	97.0%	0.0051	0.0016	0.0075	0.0148	0.0267	96.3%	0.2343
3	23:25:08	95.2%	0.0040	0.0029	0.0258	0.0149	0.0158	95.8%	0.2021
X		96.3%	0.0040	0.0026	0.0151	0.0144	0.0215	96.2%	0.2203
σ		1.0%	0.0012	0.0009	0.0095	0.0007	0.0055	0.3%	0.0165
%RSD		1.0	29.3921	35.2062	62.8524	4.6867	25.4892	0.3	7.5034
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:12	0.2038	47.9515	48.0679	48.0680	96.1%	0.0002	0.0010	0.1515
2	23:24:09	0.2017	47.0769	47.1713	47.9470	97.8%	0.0080	0.0034	0.1373
3	23:25:08	0.1888	48.0501	47.3343	47.6421	99.0%	0.0035	-0.0016	0.1359
X		0.1981	47.6928	47.5245	47.8857	97.6%	0.0039	0.0009	0.1416
σ		0.0081	0.5357	0.4776	0.2195	1.5%	0.0039	0.0025	0.0087
%RSD		4.1025	1.1232	1.0050	0.4583	1.5	100.9358	269.7170	6.1098
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:23:12	0.1470	0.1478	95.4%	0.4600				
2	23:24:09	0.1523	0.1493	97.0%	0.4776				
3	23:25:08	0.1552	0.1381	98.5%	0.4651				
X		0.1515	0.1450	97.0%	0.4676				
σ		0.0042	0.0061	1.6%	0.0091				
%RSD		2.7495	4.1779	1.6	1.9396				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	23:27:46	97.4%	0.0123	14.5984	1.2193	0.6313	-3.5113	1011.3636	1.6845
2	23:28:45	97.1%	0.0109	14.3692	1.0862	0.6125	-3.2997	1010.1748	1.6605
3	23:29:44	97.5%	0.0056	14.1808	1.0171	0.6160	-3.3403	1020.0441	1.6749
x		97.4%	0.0096	14.3828	1.1075	0.6199	-3.3838	1013.8608	1.6733
σ		0.2%	0.0036	0.2091	0.1027	0.0100	0.1123	5.3877	0.0121
%RSD		0.2	37.0269	1.4541	9.2768	1.6137	3.3193	0.5314	0.7236
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	23:27:46	2.1182	70.5284	1.4876	2.6221	2.7688	2.0785	2.9534	3.1696
2	23:28:45	1.7759	65.0395	1.6122	2.5353	2.5964	1.9859	2.8681	3.1384
3	23:29:44	1.9546	64.5643	1.8273	2.5283	2.7718	1.9774	2.8519	2.9774
x		1.9496	66.7107	1.6424	2.5619	2.7123	2.0139	2.8912	3.0951
σ		0.1712	3.3147	0.1719	0.0522	0.1004	0.0561	0.0545	0.1032
%RSD		8.7811	4.9688	10.4657	2.0391	3.7023	2.7850	1.8842	3.3334
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	23:27:46	94.5%	3.1608	2.0913	1.8789	0.9538	0.6183	0.6481	0.5722
2	23:28:45	95.0%	2.7494	1.3828	1.1316	0.2862	0.6355	0.5181	0.5680
3	23:29:44	95.9%	2.9893	1.2005	0.9913	0.4667	0.6099	0.5391	0.5628
x		95.1%	2.9665	1.5582	1.3339	0.5689	0.6212	0.5684	0.5677
σ		0.7%	0.2066	0.4706	0.4771	0.3453	0.0130	0.0698	0.0047
%RSD		0.8	6.9656	30.2014	35.7692	60.7009	2.0990	12.2780	0.8236
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	23:27:46	93.0%	0.0029	0.0017	0.0055	0.0220	0.0208	94.0%	0.2368
2	23:28:45	93.7%	0.0059	0.0029	0.0078	0.0174	0.0123	94.2%	0.2603
3	23:29:44	95.0%	0.0058	0.0016	0.0077	0.0127	0.0149	95.6%	0.2377
x		93.9%	0.0049	0.0021	0.0070	0.0174	0.0160	94.6%	0.2449
σ		1.0%	0.0017	0.0007	0.0013	0.0047	0.0044	0.9%	0.0133
%RSD		1.1	34.7170	34.7862	18.3332	26.8830	27.3502	0.9	5.4434
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	23:27:46	0.2318	51.2639	50.3424	51.2000	95.1%	0.0016	0.0001	0.1802
2	23:28:45	0.2168	51.3297	51.4093	52.1845	97.7%	-0.0024	-0.0003	0.1851
3	23:29:44	0.2476	52.8475	51.9064	51.7319	98.7%	-0.0064	0.0004	0.1790
x		0.2321	51.8137	51.2194	51.7054	97.1%	-0.0024	0.0001	0.1815
σ		0.0154	0.8959	0.7991	0.4928	1.8%	0.0040	0.0004	0.0032
%RSD		6.6330	1.7291	1.5602	0.9531	1.9	167.8611	370.4963	1.7766
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	23:27:46	0.2010	0.1902	94.6%	0.7723				
2	23:28:45	0.2038	0.1905	95.9%	0.7938				
3	23:29:44	0.1865	0.1834	97.5%	0.7849				
x		0.1971	0.1880	96.0%	0.7837				
σ		0.0093	0.0040	1.5%	0.0108				
%RSD		4.6961	2.1501	1.5	1.3763				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:26	96.1%	0.0159	4.7249	0.2435	0.2264	0.8846	4524.3371	1.0649
2	23:33:25	94.7%	0.0181	5.1126	0.2549	0.2149	1.1688	4542.5829	1.0560
3	23:34:24	95.9%	0.0123	4.6085	0.0997	0.1695	1.6467	4542.5168	1.0580
x		95.6%	0.0154	4.8153	0.1994	0.2036	1.2334	4536.4789	1.0597
σ		0.8%	0.0029	0.2639	0.0865	0.0301	0.3851	10.5152	0.0047
%RSD		0.8	18.7571	5.4808	43.3898	14.7775	31.2250	0.2318	0.4406
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:26	2.0077	71.6253	2.2277	1.0998	1.1733	2.3085	4.8704	3.7037
2	23:33:25	2.0005	67.3962	2.7087	1.0805	1.1397	2.2608	3.7451	3.9237
3	23:34:24	1.6703	60.0964	2.8658	1.0449	0.9871	2.2699	3.6656	3.5959
x		1.8928	66.3726	2.6007	1.0750	1.1001	2.2798	4.0937	3.7411
σ		0.1928	5.8322	0.3325	0.0279	0.0992	0.0253	0.6738	0.1671
%RSD		10.1839	8.7871	12.7848	2.5933	9.0195	1.1115	16.4606	4.4663
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:26	94.6%	1.9653	3.1023	1.8735	0.7678	0.4298	0.3503	0.3705
2	23:33:25	95.0%	2.2626	2.5004	0.7157	0.5809	0.3575	0.4146	0.4280
3	23:34:24	94.3%	1.8117	3.2810	0.6001	0.5109	0.3906	0.3860	0.4029
x		94.6%	2.0132	2.9612	1.0631	0.6199	0.3926	0.3837	0.4005
σ		0.3%	0.2292	0.4090	0.7042	0.1328	0.0362	0.0322	0.0288
%RSD		0.3	11.3863	13.8111	66.2418	21.4262	9.2136	8.3960	7.2003
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:26	93.3%	0.0036	0.0023	0.0055	0.0062	0.0039	93.2%	0.2457
2	23:33:25	93.7%	0.0011	0.0004	0.0009	0.0061	0.0048	94.3%	0.2360
3	23:34:24	92.1%	0.0048	0.0017	0.0102	0.0107	0.0038	93.9%	0.2373
x		93.0%	0.0032	0.0015	0.0055	0.0076	0.0041	93.8%	0.2397
σ		0.8%	0.0019	0.0010	0.0047	0.0026	0.0005	0.5%	0.0053
%RSD		0.9	59.8314	65.0861	84.4435	34.6003	12.5588	0.6	2.1915
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:26	0.2373	64.4643	65.0281	65.5474	94.2%	-0.0001	-0.0046	0.0936
2	23:33:25	0.2474	65.0851	65.5574	65.9497	95.6%	-0.0059	-0.0019	0.0834
3	23:34:24	0.2678	66.4657	66.5301	66.3408	96.5%	-0.0057	-0.0039	0.0956
x		0.2508	65.3384	65.7052	65.9460	95.4%	-0.0039	-0.0034	0.0908
σ		0.0155	1.0245	0.7619	0.3967	1.2%	0.0033	0.0014	0.0065
%RSD		6.1923	1.5679	1.1595	0.6015	1.2	84.9830	41.0578	7.1862
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:32:26	0.0859	0.0930	93.7%	0.6470				
2	23:33:25	0.0995	0.0989	95.8%	0.6597				
3	23:34:24	0.1000	0.0996	95.9%	0.6774				
x		0.0951	0.0972	95.2%	0.6614				
σ		0.0080	0.0036	1.2%	0.0153				
%RSD		8.3901	3.7245	1.3	2.3091				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:05	101.1%	0.0323	5.0830	-0.0852	0.2667	3.1783	631.2492	1.3988
2	23:38:02	100.4%	0.0223	4.9670	0.2800	0.2424	3.0537	625.3719	1.2426
3	23:39:01	98.6%	0.0144	5.0246	0.2447	0.2472	3.4558	628.8215	1.2337
x		100.0%	0.0230	5.0248	0.1465	0.2521	3.2293	628.4809	1.2917
σ		1.3%	0.0090	0.0580	0.2014	0.0129	0.2058	2.9535	0.0929
%RSD		1.3	39.0036	1.1546	137.4933	5.0986	6.3739	0.4699	7.1897
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:05	3.5778	110.7369	1.7469	50.3887	49.8484	10.4774	11.9631	11.3984
2	23:38:02	3.1364	102.5291	1.4524	49.2387	49.8640	9.8539	11.8282	11.6727
3	23:39:01	2.8898	97.0143	1.5625	49.1252	49.5746	9.9942	11.8278	11.6198
x		3.2013	103.4267	1.5873	49.5842	49.7623	10.1085	11.8730	11.5636
σ		0.3485	6.9052	0.1488	0.6990	0.1628	0.3271	0.0780	0.1455
%RSD		10.8875	6.6764	9.3749	1.4098	0.3271	3.2358	0.6570	1.2585
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:05	98.9%	1.1421	4.6482	1.7225	3.3092	0.3333	0.3442	0.3319
2	23:38:02	97.7%	1.1373	3.7879	1.2441	2.8461	0.3645	0.3471	0.3196
3	23:39:01	96.8%	1.3094	3.5186	0.8967	2.4755	0.2978	0.3810	0.2959
x		97.8%	1.1963	3.9849	1.2878	2.8769	0.3319	0.3574	0.3158
σ		1.1%	0.0980	0.5900	0.4146	0.4177	0.0334	0.0205	0.0183
%RSD		1.1	8.1931	14.8057	32.1972	14.5177	10.0555	5.7300	5.7872
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:05	98.5%	0.0155	0.0218	0.0561	0.0384	0.0326	97.8%	0.5334
2	23:38:02	97.8%	0.0185	0.0184	0.0342	0.0245	0.0264	97.2%	0.5478
3	23:39:01	96.8%	0.0221	0.0173	0.0165	0.0333	0.0301	97.2%	0.5094
x		97.7%	0.0187	0.0192	0.0356	0.0321	0.0297	97.4%	0.5302
σ		0.9%	0.0034	0.0024	0.0199	0.0071	0.0031	0.4%	0.0194
%RSD		0.9	17.9231	12.3749	55.8216	22.0202	10.4093	0.4	3.6617
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:05	0.5534	72.9421	71.9005	72.4884	96.5%	0.0035	-0.0031	0.1341
2	23:38:02	0.5204	72.9613	71.8950	72.4710	98.1%	0.0020	-0.0020	0.1388
3	23:39:01	0.5723	71.1882	71.0894	72.0821	99.0%	0.0046	-0.0035	0.1427
x		0.5487	72.3639	71.6283	72.3472	97.8%	0.0034	-0.0029	0.1385
σ		0.0263	1.0182	0.4667	0.2297	1.3%	0.0013	0.0008	0.0043
%RSD		4.7897	1.4071	0.6516	0.3175	1.3	39.4482	27.1644	3.0933
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:37:05	0.1655	0.1473	96.0%	1.3971				
2	23:38:02	0.1527	0.1502	96.9%	1.4259				
3	23:39:01	0.1418	0.1452	98.4%	1.4113				
x		0.1533	0.1476	97.1%	1.4114				
σ		0.0118	0.0025	1.2%	0.0144				
%RSD		7.7245	1.7171	1.3	1.0187				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:37	91.0%	0.0452	28.3319	2.9482	0.9361	4.9160	15833.1480	13.7242
2	23:42:34	91.5%	0.0493	28.1081	3.0426	0.9809	4.2736	15948.3950	13.6325
3	23:43:32	90.9%	0.0286	28.1344	3.0852	0.8981	3.8155	15571.4230	13.0917
X		91.1%	0.0411	28.1915	3.0253	0.9384	4.3350	15784.3220	13.4828
σ		0.3%	0.0109	0.1223	0.0701	0.0415	0.5528	193.1703	0.3418
%RSD		0.3	26.6487	0.4340	2.3181	4.4192	12.7529	1.2238	2.5350
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:37	6.2839	221.6201	3.4197	2.7311	3.5092	8.8299	11.3041	10.3616
2	23:42:34	5.6004	198.2348	3.4694	2.6807	3.1554	8.8967	11.4854	10.5848
3	23:43:32	5.4086	190.8043	3.6965	2.5528	3.2864	8.6102	10.9006	10.2478
X		5.7643	203.5530	3.5285	2.6549	3.3170	8.7789	11.2300	10.3981
σ		0.4601	16.0816	0.1476	0.0919	0.1789	0.1499	0.2994	0.1714
%RSD		7.9812	7.9004	4.1828	3.4622	5.3924	1.7072	2.6657	1.6485
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:37	89.0%	21.6559	7.0487	1.4941	0.8859	3.7148	3.6537	3.5413
2	23:42:34	87.9%	22.2541	7.4341	1.2034	1.6109	3.6806	3.4373	3.7702
3	23:43:32	90.5%	21.3156	6.6184	1.1464	1.9737	3.7149	3.6285	3.7997
X		89.1%	21.7419	7.0337	1.2813	1.4902	3.7034	3.5732	3.7038
σ		1.3%	0.4751	0.4081	0.1865	0.5538	0.0198	0.1183	0.1414
%RSD		1.5	2.1854	5.8014	14.5553	37.1662	0.5345	3.3121	3.8186
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:37	87.5%	0.0220	0.0098	0.1171	0.0938	0.0966	88.1%	0.3242
2	23:42:34	86.8%	0.0221	0.0038	0.1341	0.0934	0.0870	88.8%	0.3426
3	23:43:32	86.7%	0.0182	0.0038	0.0871	0.0824	0.0838	89.1%	0.3403
X		87.0%	0.0208	0.0058	0.1128	0.0899	0.0891	88.7%	0.3357
σ		0.5%	0.0022	0.0035	0.0238	0.0065	0.0067	0.5%	0.0100
%RSD		0.5	10.7461	59.6981	21.0727	7.1919	7.5090	0.6	2.9919
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:37	0.3094	93.9678	92.1901	93.8137	90.5%	0.0029	0.0055	0.0795
2	23:42:34	0.3468	92.2656	94.0259	93.9137	93.3%	0.0054	0.0069	0.0829
3	23:43:32	0.3269	92.5964	92.8723	93.9221	93.3%	0.0080	0.0040	0.0818
X		0.3277	92.9432	93.0294	93.8832	92.4%	0.0054	0.0055	0.0814
σ		0.0187	0.9026	0.9279	0.0603	1.6%	0.0026	0.0015	0.0017
%RSD		5.7121	0.9711	0.9975	0.0643	1.7	47.2234	27.1038	2.1085
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:41:37	0.1008	0.0865	91.1%	6.2787				
2	23:42:34	0.0806	0.0876	92.0%	6.4031				
3	23:43:32	0.0965	0.0888	93.2%	6.4512				
X		0.0927	0.0876	92.1%	6.3776				
σ		0.0106	0.0012	1.0%	0.0890				
%RSD		11.4929	1.3227	1.1	1.3960				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:16	86.0%	0.0427	21.1201	12.6905	2.6848	1.3231	3903.0367	6.3630
2	23:47:15	87.5%	0.0382	20.6425	12.6759	2.6456	0.9758	3937.0663	6.2078
3	23:48:14	87.4%	0.0308	20.6430	13.0404	2.6811	0.0546	3884.0722	6.2616
X		87.0%	0.0372	20.8019	12.8023	2.6705	0.7845	3908.0584	6.2774
σ		0.8%	0.0060	0.2756	0.2064	0.0216	0.6555	26.8516	0.0788
%RSD		1.0	16.2083	1.3250	1.6119	0.8104	83.5581	0.6871	1.2553
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:16	5.9495	58.0579	16.3766	1.3032	0.6870	8.5235	18.8732	15.7992
2	23:47:15	5.8585	55.9589	16.8701	1.2820	0.5699	8.6389	18.2470	15.6059
3	23:48:14	5.7090	54.2707	15.6805	1.2590	0.8044	8.3114	17.0437	15.6145
X		5.8390	56.0958	16.3091	1.2814	0.6871	8.4913	18.0546	15.6732
σ		0.1214	1.8973	0.5976	0.0221	0.1173	0.1661	0.9298	0.1092
%RSD		2.0799	3.3823	3.6645	1.7247	17.0692	1.9563	5.1499	0.6969
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:16	86.9%	25.9754	2.3075	1.9620	2.2834	7.6482	7.7277	7.7662
2	23:47:15	86.2%	25.3925	1.9092	1.9726	1.1095	7.7422	7.5717	7.6463
3	23:48:14	87.4%	25.3672	2.6274	2.0950	2.0612	7.8512	7.5684	7.8743
X		86.9%	25.5784	2.2813	2.0099	1.8180	7.7472	7.6226	7.7623
σ		0.6%	0.3441	0.3598	0.0739	0.6236	0.1016	0.0910	0.1140
%RSD		0.7	1.3451	15.7715	3.6760	34.2983	1.3119	1.1944	1.4692
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:16	84.3%	0.0182	0.0074	0.0088	0.0181	0.0116	85.3%	0.2841
2	23:47:15	85.7%	0.0179	0.0073	0.0213	0.0216	0.0084	85.9%	0.3262
3	23:48:14	86.0%	0.0164	0.0045	0.0236	0.0189	0.0133	87.2%	0.3370
X		85.3%	0.0175	0.0064	0.0179	0.0195	0.0111	86.1%	0.3158
σ		0.9%	0.0009	0.0016	0.0080	0.0019	0.0025	1.0%	0.0280
%RSD		1.0	5.2703	25.3690	44.5902	9.5359	22.5718	1.1	8.8593
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:16	0.3017	350.3563	347.8507	359.3395	87.3%	-0.0090	-0.0062	0.1162
2	23:47:15	0.3396	349.7209	352.5189	360.9792	89.2%	-0.0040	-0.0055	0.1064
3	23:48:14	0.3235	345.7260	346.7678	357.7792	89.8%	-0.0049	-0.0082	0.1067
X		0.3216	348.6011	349.0458	359.3660	88.8%	-0.0059	-0.0066	0.1098
σ		0.0190	2.5100	3.0562	1.6001	1.3%	0.0027	0.0014	0.0056
%RSD		5.9167	0.7200	0.8756	0.4453	1.5	45.0675	21.6050	5.0940
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:46:16	0.1175	0.1129	87.3%	0.0641				
2	23:47:15	0.1239	0.1212	88.7%	0.0653				
3	23:48:14	0.1161	0.1079	89.0%	0.0660				
X		0.1192	0.1140	88.4%	0.0651				
σ		0.0042	0.0067	0.9%	0.0010				
%RSD		3.4993	5.8643	1.0	1.5258				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:51:10	89.8%	0.1132	24.8739	8.5274	4.8950	2.9820	5325.5060	1.7214
2	23:52:09	89.0%	0.1081	25.0306	8.5306	5.0393	3.0090	5476.5291	1.7019
3	23:53:08	90.4%	0.1018	24.9050	8.5645	5.0584	2.5490	5411.3242	1.6663
x		89.7%	0.1077	24.9365	8.5408	4.9976	2.8467	5404.4531	1.6965
σ		0.7%	0.0057	0.0830	0.0206	0.0893	0.2581	75.7456	0.0280
%RSD		0.7	5.2790	0.3327	0.2410	1.7868	9.0672	1.4015	1.6479
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:51:10	5.2952	151.4196	10.8027	1.5870	1.4102	40.4925	46.4722	44.9744
2	23:52:09	5.3495	153.9991	11.5777	1.5337	1.3759	41.0713	45.5778	45.0880
3	23:53:08	4.8727	136.5204	11.3467	1.4468	1.2146	41.5309	44.6900	45.1421
x		5.1725	147.3130	11.2424	1.5225	1.3336	41.0316	45.5800	45.0681
σ		0.2610	9.4352	0.3979	0.0707	0.1044	0.5203	0.8911	0.0856
%RSD		5.0463	6.4049	3.5391	4.6461	7.8322	1.2681	1.9551	0.1899
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:51:10	89.3%	13.2971	4.1625	2.2301	1.6421	0.6418	0.6938	0.6662
2	23:52:09	87.8%	13.0706	4.5240	2.2223	1.5401	0.6721	0.7771	0.6583
3	23:53:08	87.8%	13.0065	3.7188	2.0235	1.6214	0.7583	0.7949	0.7197
x		88.3%	13.1248	4.1351	2.1586	1.6012	0.6907	0.7553	0.6814
σ		0.9%	0.1527	0.4033	0.1171	0.0539	0.0605	0.0540	0.0334
%RSD		1.0	1.1632	9.7540	5.4237	3.3674	8.7523	7.1459	4.8969
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:51:10	85.6%	0.0284	0.0066	0.0186	0.0387	0.0113	87.0%	0.2688
2	23:52:09	85.3%	0.0226	0.0046	0.0313	0.0314	0.0185	86.6%	0.2523
3	23:53:08	85.2%	0.0278	0.0079	0.0211	0.0312	0.0194	87.3%	0.3228
x		85.3%	0.0263	0.0064	0.0237	0.0338	0.0164	87.0%	0.2813
σ		0.2%	0.0032	0.0017	0.0067	0.0042	0.0044	0.3%	0.0369
%RSD		0.3	12.2548	26.6766	28.3725	12.5549	26.9995	0.4	13.1195
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:51:10	0.2426	256.1729	255.8351	261.0863	86.9%	-0.0097	-0.0038	0.3781
2	23:52:09	0.2852	256.1565	260.6247	265.1499	88.0%	0.0018	-0.0077	0.3783
3	23:53:08	0.2716	255.7680	258.8604	265.6107	89.1%	-0.0021	-0.0063	0.3411
x		0.2665	256.0325	258.4401	263.9490	88.0%	-0.0033	-0.0060	0.3658
σ		0.0217	0.2292	2.4223	2.4899	1.1%	0.0058	0.0020	0.0214
%RSD		8.1535	0.0895	0.9373	0.9433	1.3	174.9152	32.8420	5.8463
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:51:10	0.3730	0.3816	86.6%	0.1345				
2	23:52:09	0.3722	0.3773	87.4%	0.1463				
3	23:53:08	0.3808	0.3560	87.7%	0.1405				
x		0.3753	0.3716	87.2%	0.1404				
σ		0.0047	0.0137	0.6%	0.0059				
%RSD		1.2635	3.6861	0.7	4.2049				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:46	81.2%	0.1331	278.0290	34.2966	4.5030	6.3503	8966.5520	6.2555
2	23:56:45	80.9%	0.1247	279.5472	33.2908	4.3590	6.5577	8898.8499	6.0077
3	23:57:42	81.4%	0.1221	276.3102	33.4278	4.4420	7.0515	8865.0714	6.1742
X		81.2%	0.1267	277.9622	33.6717	4.4346	6.6532	8910.1578	6.1458
σ		0.2%	0.0058	1.6196	0.5455	0.0723	0.3602	51.6767	0.1263
%RSD		0.3	4.5528	0.5827	1.6199	1.6295	5.4143	0.5800	2.0554
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:46	5.3976	61.8107	23.5801	2.9306	2.0647	6.8198	11.2161	8.7237
2	23:56:45	5.1190	48.9503	22.9383	2.8829	2.1268	6.5118	10.0914	7.9910
3	23:57:42	5.4464	52.3803	22.5623	2.9234	2.0105	6.6073	10.6458	8.3732
X		5.3210	54.3804	23.0269	2.9123	2.0673	6.6463	10.6511	8.3626
σ		0.1767	6.6594	0.5146	0.0257	0.0582	0.1577	0.5624	0.3664
%RSD		3.3199	12.2460	2.2349	0.8840	2.8146	2.3724	5.2803	4.3819
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:46	81.2%	12.7343	2.5107	2.5822	2.8298	1.1986	1.2782	1.2366
2	23:56:45	83.1%	12.0204	3.5567	2.0939	2.8057	1.2542	1.2863	1.2956
3	23:57:42	82.2%	12.1175	2.5488	1.8414	1.7583	1.2663	1.1976	1.3044
X		82.2%	12.2908	2.8721	2.1725	2.4646	1.2397	1.2540	1.2789
σ		0.9%	0.3872	0.5932	0.3766	0.6118	0.0361	0.0490	0.0368
%RSD		1.1	3.1500	20.6544	17.3352	24.8229	2.9133	3.9102	2.8813
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:46	82.0%	0.0411	0.0156	0.0225	0.0425	0.0198	81.3%	0.2358
2	23:56:45	80.6%	0.0448	0.0098	0.0356	0.0226	0.0109	82.7%	0.2418
3	23:57:42	80.7%	0.0511	0.0148	0.0303	0.0317	0.0174	82.6%	0.2433
X		81.1%	0.0457	0.0134	0.0295	0.0323	0.0160	82.2%	0.2403
σ		0.8%	0.0051	0.0031	0.0066	0.0099	0.0046	0.8%	0.0039
%RSD		0.9	11.0802	23.2940	22.3386	30.7585	28.6382	1.0	1.6319
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:46	0.2626	98.3305	98.5120	99.4389	84.1%	-0.0074	-0.0022	0.5435
2	23:56:45	0.2539	98.0884	97.3326	98.3673	86.3%	-0.0048	-0.0012	0.5663
3	23:57:42	0.2391	98.5491	97.7961	99.5960	87.2%	-0.0026	0.0022	0.5678
X		0.2519	98.3226	97.8802	99.1340	85.9%	-0.0049	-0.0004	0.5592
σ		0.0119	0.2304	0.5942	0.6687	1.6%	0.0024	0.0023	0.0136
%RSD		4.7182	0.2344	0.6071	0.6745	1.8	48.5087	602.7651	2.4361
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:55:46	0.5919	0.5621	87.5%	1.7067				
2	23:56:45	0.6195	0.5791	89.0%	1.7042				
3	23:57:42	0.6126	0.5732	90.0%	1.6950				
X		0.6080	0.5715	88.8%	1.7020				
σ		0.0144	0.0087	1.3%	0.0062				
%RSD		2.3609	1.5137	1.4	0.3622				

K1004252-005 05/15/2010 12:00:24 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:24	85.1%	0.1165	98.9022	88.5032	132.8031	127.7777	950.2802	3.0495
2	00:01:23	84.9%	0.1061	98.7573	88.5607	132.9465	125.7009	951.4284	2.9406
3	00:02:22	86.1%	0.1106	97.3364	85.3981	129.8424	124.9236	927.8973	2.8652
x		85.3%	0.1111	98.3319	87.4873	131.8640	126.1341	943.2019	2.9518
σ		0.7%	0.0052	0.8652	1.8095	1.7522	1.4756	13.2667	0.0926
%RSD		0.8	4.6926	0.8799	2.0684	1.3288	1.1698	1.4066	3.1381
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:24	164.7588	236.4232	172.5568	1.1541	1.0858	34.9517	41.0931	36.4682
2	00:01:23	158.1779	225.0045	169.1371	1.1111	0.9868	35.4492	39.0638	36.6506
3	00:02:22	156.0915	226.4607	166.6614	1.0415	0.9617	33.9040	38.7090	35.9833
x		159.6760	229.2961	169.4518	1.1022	1.0114	34.7683	39.6220	36.3674
σ		4.5237	6.2150	2.9603	0.0568	0.0656	0.7888	1.2863	0.3449
%RSD		2.8330	2.7105	1.7470	5.1534	6.4886	2.2686	3.2464	0.9483
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:24	86.2%	191.0489	5.5023	3.2215	2.9536	8.5495	8.4843	8.3572
2	00:01:23	87.1%	189.8186	4.4005	2.2668	2.8216	8.8407	8.8974	9.0297
3	00:02:22	88.1%	184.1774	5.7514	2.1778	2.9244	9.0924	9.1758	9.2439
x		87.1%	188.3483	5.2181	2.5553	2.8999	8.8275	8.8525	8.8769
σ		1.0%	3.6641	0.7189	0.5786	0.0693	0.2717	0.3479	0.4627
%RSD		1.1	1.9454	13.7769	22.6431	2.3905	3.0778	3.9301	5.2121
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:24	80.3%	0.2764	0.1477	0.1063	0.2925	0.1120	80.8%	12.5099
2	00:01:23	79.4%	0.2642	0.1206	0.1241	0.3052	0.1307	82.3%	12.8672
3	00:02:22	79.5%	0.2548	0.1460	0.1102	0.2801	0.1138	82.9%	13.4075
x		79.7%	0.2651	0.1381	0.1135	0.2926	0.1188	82.0%	12.9282
σ		0.5%	0.0108	0.0152	0.0094	0.0126	0.0104	1.0%	0.4519
%RSD		0.6	4.0773	11.0074	8.2728	4.2956	8.7141	1.3	3.4955
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:24	12.1690	166.0086	164.7832	166.2604	83.1%	-0.0022	-0.0011	0.0490
2	00:01:23	12.7603	166.3362	164.6877	166.4675	85.6%	-0.0042	-0.0060	0.0610
3	00:02:22	13.1921	166.5783	165.9767	167.0776	87.0%	-0.0000	-0.0042	0.0616
x		12.7071	166.3077	165.1492	166.6019	85.2%	-0.0021	-0.0038	0.0572
σ		0.5136	0.2859	0.7183	0.4248	2.0%	0.0021	0.0025	0.0071
%RSD		4.0418	0.1719	0.4349	0.2550	2.4	97.4552	66.7265	12.4709
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:00:24	0.0422	0.0591	82.4%	1.2735				
2	00:01:23	0.0700	0.0636	84.4%	1.2528				
3	00:02:22	0.0556	0.0661	86.6%	1.2620				
x		0.0559	0.0629	84.5%	1.2627				
σ		0.0139	0.0036	2.1%	0.0104				
%RSD		24.8575	5.6439	2.5	0.8216				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:50	99.0%	26.6087	25.0134	25.3876	25.6765	27.1200	25.2237	26.1419
2	00:09:49	98.4%	25.7450	24.6594	25.2119	25.1774	25.7851	24.9430	25.8050
3	00:10:48	97.6%	25.2415	24.5011	25.0695	25.2838	26.2703	25.0785	24.9844
X		98.3%	25.8651	24.7246	25.2230	25.3792	26.3918	25.0817	25.6438
σ		0.7%	0.6915	0.2623	0.1593	0.2629	0.6757	0.1404	0.5954
%RSD		0.7	2.6734	1.0610	0.6316	1.0358	2.5603	0.5597	2.3216
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:50	27.1304	28.1329	27.0680	25.9412	26.0197	24.8370	25.3758	24.1510
2	00:09:49	25.5705	27.4216	26.1093	26.7184	26.9984	24.7949	24.8734	23.7968
3	00:10:48	25.7686	27.0684	26.6846	25.5689	26.3003	25.0378	25.3484	24.9385
X		26.1565	27.5410	26.6206	26.0761	26.4395	24.8899	25.1992	24.2954
σ		0.8492	0.5422	0.4825	0.5865	0.5040	0.1298	0.2825	0.5844
%RSD		3.2466	1.9688	1.8126	2.2492	1.9062	0.5216	1.1209	2.4052
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:50	99.1%	24.1503	27.6258	26.7086	24.0127	24.1661	24.6990	24.0293
2	00:09:49	98.5%	24.0555	27.7882	25.3469	25.1722	24.7147	24.4948	24.4462
3	00:10:48	96.8%	23.3021	26.0018	24.3034	22.6650	24.7655	24.2885	24.2275
X		98.1%	23.8360	27.1386	25.4530	23.9500	24.5488	24.4941	24.2343
σ		1.2%	0.4648	0.9878	1.2061	1.2548	0.3324	0.2052	0.2085
%RSD		1.2	1.9498	3.6400	4.7387	5.2392	1.3538	0.8379	0.8605
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:50	100.9%	24.0487	23.9613	23.9012	23.9183	24.1424	96.2%	24.5666
2	00:09:49	99.5%	24.4375	24.2037	24.2366	24.0884	24.2899	97.4%	24.6518
3	00:10:48	98.8%	24.1608	24.5844	24.1830	24.0442	23.9087	97.7%	24.3770
X		99.7%	24.2157	24.2498	24.1069	24.0170	24.1137	97.1%	24.5318
σ		1.1%	0.2001	0.3141	0.1802	0.0883	0.1922	0.8%	0.1407
%RSD		1.1	0.8265	1.2954	0.7473	0.3675	0.7971	0.8	0.5734
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:50	24.3633	24.8441	24.8107	24.7965	93.3%	23.2251	23.2606	24.4625
2	00:09:49	24.1793	25.0111	24.9283	24.8133	95.8%	23.4674	23.4605	24.5705
3	00:10:48	24.0371	24.7775	24.9464	24.8437	97.1%	23.8796	23.7187	24.8017
X		24.1932	24.8776	24.8951	24.8178	95.4%	23.5240	23.4799	24.6116
σ		0.1635	0.1204	0.0737	0.0239	1.9%	0.3309	0.2297	0.1733
%RSD		0.6760	0.4839	0.2960	0.0963	2.0	1.4067	0.9782	0.7040
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:08:50	24.1636	24.2715	93.7%	23.8667				
2	00:09:49	24.7490	24.6591	95.7%	24.2025				
3	00:10:48	24.4619	24.6597	96.1%	24.6398				
X		24.4582	24.5301	95.2%	24.2363				
σ		0.2928	0.2240	1.2%	0.3876				
%RSD		1.1969	0.9130	1.3	1.5994				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:22:21	95.0%	0.0000	-0.0715	-0.1850	0.0784	2.2921	0.0524	0.0046
2	00:23:20	95.1%	0.0042	-0.0656	-0.2177	0.0788	2.4349	0.0499	0.0128
3	00:24:19	94.1%	0.0024	-0.0818	-0.0756	0.0931	2.0695	0.0395	0.0009
X		94.7%	0.0022	-0.0730	-0.1594	0.0834	2.2655	0.0473	0.0061
σ		0.6%	0.0021	0.0082	0.0744	0.0084	0.1841	0.0068	0.0061
%RSD		0.6	94.9469	11.2286	46.6805	10.0707	8.1281	14.4570	99.4675
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:22:21	-0.0041	-0.1728	1.0485	0.1582	0.0968	0.0523	0.2513	-0.0300
2	00:23:20	-0.0045	-0.5512	0.9876	0.0979	0.1696	0.0699	0.0240	-0.0003
3	00:24:19	-0.0071	0.3872	1.3255	0.0784	0.1280	0.1088	-0.1735	-0.0849
X		-0.0052	-0.1123	1.1205	0.1115	0.1315	0.0770	0.0339	-0.0384
σ		0.0016	0.4721	0.1801	0.0416	0.0365	0.0289	0.2126	0.0430
%RSD		30.9103	420.4207	16.0734	37.3274	27.7676	37.5423	626.6505	111.9485
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:22:21	92.7%	-0.0050	0.9869	1.4724	-0.0098	0.0264	0.0227	0.0272
2	00:23:20	95.1%	0.0378	0.8376	0.7991	0.1392	0.0528	0.0377	0.0340
3	00:24:19	93.9%	-0.0473	1.0783	0.4688	-0.1933	0.0654	0.0477	0.0382
X		93.9%	-0.0048	0.9676	0.9134	-0.0213	0.0482	0.0360	0.0332
σ		1.2%	0.0426	0.1215	0.5115	0.1665	0.0199	0.0126	0.0055
%RSD		1.3	885.2050	12.5555	55.9931	780.6942	41.2785	34.9588	16.6967
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:22:21	96.1%	0.0149	0.0159	-0.0015	0.0004	0.0029	92.6%	0.0129
2	00:23:20	96.9%	0.0170	0.0163	-0.0015	0.0015	0.0000	94.7%	0.0187
3	00:24:19	95.0%	0.0263	0.0252	-0.0015	0.0004	-0.0009	93.7%	0.0093
X		96.0%	0.0194	0.0191	-0.0015	0.0008	0.0007	93.7%	0.0136
σ		0.9%	0.0061	0.0053	0.0000	0.0006	0.0020	1.1%	0.0048
%RSD		1.0	31.4717	27.4987	0.0000	79.8922	285.5521	1.1	35.0914
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:22:21	0.0086	-0.0191	-0.0076	-0.0025	91.7%	0.0429	0.0340	0.0052
2	00:23:20	0.0135	-0.0195	0.0120	-0.0009	95.4%	0.0485	0.0543	0.0062
3	00:24:19	0.0120	-0.0122	0.0266	-0.0021	94.4%	0.0613	0.0528	0.0007
X		0.0114	-0.0169	0.0103	-0.0018	93.8%	0.0509	0.0470	0.0040
σ		0.0025	0.0041	0.0172	0.0008	1.9%	0.0094	0.0113	0.0029
%RSD		21.8918	24.3118	166.1255	46.0483	2.0	18.5393	24.0308	73.0213
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:22:21	0.0018	0.0047	91.9%	-0.0006				
2	00:23:20	-0.0029	0.0048	94.0%	-0.0008				
3	00:24:19	0.0040	0.0028	94.1%	-0.0022				
X		0.0009	0.0041	93.3%	-0.0012				
σ		0.0035	0.0011	1.2%	0.0009				
%RSD		373.6132	27.2215	1.3	72.0574				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:20	88.5%	0.0466	53.5872	23.5226	3.4737	8.6427	4947.5717	0.7715
2	00:32:19	89.3%	0.0539	53.9375	23.5345	3.5940	7.0327	5042.7200	0.7422
3	00:33:16	89.7%	0.0524	53.0214	23.0489	3.4212	6.1386	5028.0220	0.6789
X		89.2%	0.0510	53.5154	23.3687	3.4963	7.2713	5006.1045	0.7309
σ		0.6%	0.0038	0.4623	0.2770	0.0886	1.2690	51.2209	0.0474
%RSD		0.7	7.5067	0.8638	1.1852	2.5333	17.4519	1.0232	6.4819
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:20	4.4824	145.3028	7.3130	0.7479	0.6610	4.3472	11.3158	9.5407
2	00:32:19	4.1785	132.5431	7.9131	0.6279	0.6416	4.4590	11.6876	9.5507
3	00:33:16	4.2822	132.5767	7.8403	0.6101	0.6166	4.3709	11.4612	9.1236
X		4.3144	136.8075	7.6888	0.6620	0.6397	4.3923	11.4882	9.4050
σ		0.1545	7.3571	0.3275	0.0749	0.0223	0.0589	0.1873	0.2437
%RSD		3.5812	5.3777	4.2594	11.3209	3.4823	1.3418	1.6308	2.5915
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:20	84.8%	4.0635	6.4479	2.1454	2.0857	0.1941	0.2071	0.1706
2	00:32:19	85.5%	4.0328	6.0792	1.5029	1.7772	0.2000	0.2703	0.1734
3	00:33:16	87.0%	3.9858	5.0588	1.6495	1.6837	0.1964	0.2648	0.2178
X		85.8%	4.0274	5.8620	1.7659	1.8489	0.1968	0.2474	0.1872
σ		1.1%	0.0391	0.7195	0.3367	0.2104	0.0030	0.0350	0.0265
%RSD		1.3	0.9707	12.2748	19.0689	11.3780	1.5206	14.1543	14.1359
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:20	82.6%	0.1482	0.0701	0.0455	0.0569	0.0012	83.5%	0.0677
2	00:32:19	84.0%	0.1246	0.0688	0.0344	0.0519	0.0012	85.4%	0.0784
3	00:33:16	83.1%	0.1308	0.0663	0.0447	0.0507	0.0053	85.6%	0.0819
X		83.3%	0.1345	0.0684	0.0415	0.0532	0.0026	84.8%	0.0760
σ		0.7%	0.0122	0.0019	0.0062	0.0032	0.0024	1.1%	0.0074
%RSD		0.8	9.0741	2.8239	14.9652	6.0985	92.0029	1.3	9.6945
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:20	0.0843	248.5046	249.1941	253.8288	85.9%	0.0522	0.0466	0.0133
2	00:32:19	0.0805	252.1373	250.7298	253.9503	88.0%	0.0648	0.0656	0.0149
3	00:33:16	0.0736	252.6942	249.5879	256.2772	89.3%	0.0595	0.0625	0.0052
X		0.0795	251.1120	249.8373	254.6855	87.7%	0.0589	0.0582	0.0111
σ		0.0054	2.2752	0.7976	1.3799	1.7%	0.0063	0.0102	0.0052
%RSD		6.8319	0.9060	0.3193	0.5418	2.0	10.6953	17.4777	47.0572
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:31:20	0.0081	0.0123	85.2%	0.0880				
2	00:32:19	0.0190	0.0129	86.9%	0.0940				
3	00:33:16	0.0051	0.0082	88.6%	0.0841				
X		0.0107	0.0111	86.9%	0.0887				
σ		0.0073	0.0025	1.7%	0.0050				
%RSD		68.4517	22.9275	1.9	5.6444				



K1004252-007 05/15/2010 12:35:53 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:53	103.2%	0.0074	4.3567	0.0151	0.2669	2.0033	0.4591	0.0828
2	00:36:52	103.7%	-0.0010	4.2132	-0.1453	0.2405	2.1409	1.1436	0.0625
3	00:37:51	103.3%	0.0001	4.3776	0.0318	0.2187	1.6547	0.9721	0.0695
X		103.4%	0.0021	4.3158	-0.0328	0.2421	1.9330	0.8583	0.0716
σ		0.3%	0.0045	0.0895	0.0978	0.0241	0.2506	0.3562	0.0103
%RSD		0.3	212.5511	2.0740	298.0929	9.9731	12.9659	41.5015	14.4094
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:53	0.0688	0.4989	1.5838	0.1560	0.0216	0.7786	0.4955	0.9186
2	00:36:52	0.0484	-0.9343	1.4620	0.1170	0.0022	0.9044	0.8168	0.9223
3	00:37:51	0.0416	0.4000	1.2899	0.0821	0.0106	0.8900	0.9867	0.8379
X		0.0530	-0.0118	1.4453	0.1184	0.0115	0.8577	0.7663	0.8929
σ		0.0141	0.8004	0.1477	0.0370	0.0097	0.0689	0.2495	0.0477
%RSD		26.7025	6786.8352	10.2176	31.2311	84.5780	8.0289	32.5583	5.3411
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:53	102.3%	0.0574	0.4639	1.3053	-0.0967	0.0311	0.0234	0.0260
2	00:36:52	101.9%	0.2657	0.5732	1.0174	0.5821	0.0156	0.0267	0.0276
3	00:37:51	100.2%	0.0700	0.6436	0.3749	0.3112	0.0156	0.0325	0.0353
X		101.5%	0.1310	0.5603	0.8992	0.2655	0.0208	0.0275	0.0296
σ		1.1%	0.1168	0.0905	0.4763	0.3417	0.0090	0.0046	0.0050
%RSD		1.1	89.1602	16.1614	52.9690	128.6904	43.2883	16.7621	16.8604
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:53	105.0%	0.0081	0.0072	-0.0015	0.0025	-0.0000	99.5%	0.0199
2	00:36:52	102.6%	0.0081	0.0090	-0.0015	0.0014	0.0026	101.2%	0.0304
3	00:37:51	103.0%	0.0098	0.0119	-0.0015	0.0003	0.0018	100.1%	0.0333
X		103.5%	0.0087	0.0094	-0.0015	0.0014	0.0015	100.3%	0.0279
σ		1.3%	0.0010	0.0024	0.0000	0.0011	0.0013	0.9%	0.0071
%RSD		1.3	11.5410	25.1111	0.0000	75.4499	91.3721	0.9	25.4112
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:53	0.0276	0.0075	0.0148	0.0194	95.4%	0.0182	0.0151	0.0173
2	00:36:52	0.0351	0.0636	0.0614	0.0466	98.7%	0.0223	0.0177	0.0280
3	00:37:51	0.0379	0.0372	0.0562	0.0309	98.8%	0.0162	0.0157	0.0238
X		0.0336	0.0361	0.0441	0.0323	97.7%	0.0189	0.0162	0.0230
σ		0.0053	0.0280	0.0256	0.0137	1.9%	0.0031	0.0014	0.0054
%RSD		15.8386	77.7111	57.9131	42.4176	2.0	16.3989	8.4013	23.5113
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:35:53	0.0263	0.0201	94.5%	-0.0001				
2	00:36:52	0.0179	0.0222	96.3%	0.0013				
3	00:37:51	0.0206	0.0202	98.2%	0.0004				
X		0.0216	0.0208	96.3%	0.0005				
σ		0.0043	0.0012	1.9%	0.0007				
%RSD		19.8583	5.6562	1.9	136.3482				

K1004252-008 05/15/2010 12:40:26 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:26	89.8%	0.0506	49.5990	22.3787	3.4839	5.8902	4845.1605	1.1499
2	00:41:25	90.1%	0.0393	50.0681	22.5163	3.3885	5.3131	4895.1606	1.1605
3	00:42:24	91.2%	0.0517	48.8596	23.0093	3.4468	4.7413	4904.0176	1.1319
X		90.4%	0.0472	49.5089	22.6348	3.4397	5.3149	4881.4462	1.1474
σ		0.7%	0.0069	0.6093	0.3316	0.0481	0.5744	31.7349	0.0145
%RSD		0.8	14.6151	1.2307	1.4649	1.3974	10.8082	0.6501	1.2601
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:26	4.6706	147.4407	7.3648	0.6558	0.7829	4.4800	11.4761	9.4270
2	00:41:25	4.2934	138.8273	7.4278	0.7131	0.7357	4.3929	12.5869	9.6362
3	00:42:24	4.2489	132.0086	7.4246	0.5800	0.6019	4.2809	11.7958	9.2652
X		4.4043	139.4255	7.4057	0.6496	0.7069	4.3846	11.9529	9.4428
σ		0.2317	7.7334	0.0355	0.0668	0.0939	0.0998	0.5718	0.1860
%RSD		5.2610	5.5466	0.4794	10.2799	13.2805	2.2755	4.7838	1.9694
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:26	86.2%	3.9674	5.3706	2.0989	2.1260	0.1459	0.2256	0.1553
2	00:41:25	86.5%	3.8997	4.9433	2.0198	1.4337	0.1739	0.1912	0.1727
3	00:42:24	87.5%	3.6631	5.0705	1.7206	1.3461	0.1805	0.1708	0.1690
X		86.7%	3.8434	5.1281	1.9464	1.6353	0.1668	0.1959	0.1657
σ		0.7%	0.1598	0.2194	0.1996	0.4272	0.0184	0.0277	0.0092
%RSD		0.8	4.1576	4.2789	10.2528	26.1240	11.0226	14.1419	5.5301
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:26	85.1%	0.1182	0.0513	0.0394	0.0368	0.0012	85.2%	0.0810
2	00:41:25	85.0%	0.1044	0.0475	0.0440	0.0364	0.0012	86.5%	0.0759
3	00:42:24	84.6%	0.1083	0.0429	0.0518	0.0378	0.0001	86.1%	0.0829
X		84.9%	0.1103	0.0472	0.0451	0.0370	0.0008	85.9%	0.0799
σ		0.3%	0.0071	0.0042	0.0063	0.0007	0.0006	0.7%	0.0036
%RSD		0.3	6.4610	8.8435	13.9865	1.9654	71.6826	0.8	4.5168
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:26	0.0714	242.4064	241.0549	245.4305	86.4%	0.0206	0.0205	0.0169
2	00:41:25	0.0964	243.2358	243.9197	247.8183	88.4%	0.0376	0.0299	0.0170
3	00:42:24	0.0985	247.0401	246.5766	251.5822	89.6%	0.0354	0.0315	0.0177
X		0.0887	244.2274	243.8504	248.2770	88.1%	0.0312	0.0273	0.0172
σ		0.0151	2.4709	2.7615	3.1014	1.6%	0.0092	0.0059	0.0004
%RSD		16.9905	1.0117	1.1325	1.2492	1.8	29.5591	21.7662	2.4479
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:40:26	0.0240	0.0169	85.9%	0.0800				
2	00:41:25	0.0242	0.0194	87.5%	0.0765				
3	00:42:24	0.0130	0.0142	87.7%	0.0909				
X		0.0204	0.0168	87.0%	0.0825				
σ		0.0064	0.0026	1.0%	0.0075				
%RSD		31.4042	15.3855	1.2	9.1068				

K1004475-003 05/15/2010 12:45:01 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:01	96.0%	0.0290	2.2672	0.8261	0.1188	6.1402	922.3039	2.4409
2	00:45:58	95.4%	0.0410	2.2381	0.9476	0.1311	6.1678	925.8179	2.3439
3	00:46:57	95.2%	0.0290	2.2405	0.7921	0.0946	6.9459	913.5787	2.3354
X		95.6%	0.0330	2.2486	0.8553	0.1148	6.4180	920.5669	2.3734
σ		0.4%	0.0069	0.0161	0.0818	0.0185	0.4574	6.3018	0.0586
%RSD		0.4	20.9934	0.7164	9.5615	16.1522	7.1268	0.6846	2.4691
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:01	4.3756	85.5351	3.6036	0.2871	0.6201	2.7091	8.6986	6.8852
2	00:45:58	4.1652	81.6722	3.4624	0.3569	0.5171	2.7906	7.7834	6.8774
3	00:46:57	4.1233	77.2498	3.3879	0.3118	0.5088	2.8536	7.8725	6.5974
X		4.2214	81.4857	3.4846	0.3186	0.5487	2.7844	8.1182	6.7867
σ		0.1352	4.1458	0.1096	0.0354	0.0620	0.0725	0.5047	0.1640
%RSD		3.2036	5.0877	3.1441	11.1094	11.2971	2.6022	6.2164	2.4158
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:01	94.1%	0.8943	3.6945	1.6423	0.3235	0.4404	0.4514	0.4766
2	00:45:58	92.7%	1.1290	3.1135	1.0217	0.2140	0.4421	0.3961	0.4534
3	00:46:57	92.5%	0.8625	4.4429	1.4179	1.0074	0.4018	0.4722	0.4710
X		93.1%	0.9619	3.7503	1.3607	0.5150	0.4281	0.4399	0.4670
σ		0.8%	0.1455	0.6664	0.3142	0.4300	0.0228	0.0393	0.0121
%RSD		0.9	15.1310	17.7707	23.0942	83.4914	5.3207	8.9355	2.5963
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:01	94.9%	0.0077	0.0066	-0.0015	-0.0007	0.0010	93.5%	0.1280
2	00:45:58	93.2%	0.0054	0.0036	0.0055	0.0027	0.0001	93.2%	0.1462
3	00:46:57	91.7%	0.0092	0.0043	-0.0015	-0.0007	0.0020	91.7%	0.1442
X		93.3%	0.0074	0.0048	0.0009	0.0004	0.0010	92.8%	0.1395
σ		1.6%	0.0019	0.0016	0.0040	0.0020	0.0010	1.0%	0.0100
%RSD		1.7	25.9476	33.2879	460.0004	455.1385	94.8084	1.0	7.1413
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:01	0.1198	168.4711	167.5747	169.4857	92.8%	0.0209	0.0183	0.0490
2	00:45:58	0.1337	168.6290	169.2474	170.9570	94.9%	0.0193	0.0212	0.0574
3	00:46:57	0.1375	170.2200	168.5327	170.6465	94.4%	0.0192	0.0137	0.0541
X		0.1303	169.1067	168.4516	170.3631	94.0%	0.0198	0.0177	0.0535
σ		0.0093	0.9674	0.8393	0.7755	1.1%	0.0010	0.0038	0.0042
%RSD		7.1402	0.5721	0.4982	0.4552	1.2	4.8111	21.2283	7.8957
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:45:01	0.0495	0.0576	92.4%	0.4206				
2	00:45:58	0.0625	0.0595	93.4%	0.4352				
3	00:46:57	0.0571	0.0613	94.5%	0.4184				
X		0.0563	0.0595	93.4%	0.4248				
σ		0.0065	0.0018	1.0%	0.0091				
%RSD		11.5912	3.0610	1.1	2.1438				

50ppb Mo STD 05/15/2010 12:49:31 AM

User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	00:49:31	103.1%	0.0074	0.0273	0.0871	0.0715	2.2367	0.2300	0.0004
2	00:50:28	104.9%	0.0059	0.0339	-0.0356	0.0621	2.2647	0.5603	-0.0024
3	00:51:27	104.0%	0.0057	0.0433	0.0002	0.0755	2.3142	0.4109	0.0051
x		104.0%	0.0063	0.0348	0.0172	0.0697	2.2719	0.4004	0.0010
σ		0.9%	0.0009	0.0081	0.0631	0.0069	0.0392	0.1654	0.0038
%RSD		0.9	14.4992	23.1769	366.4866	9.8797	1.7275	41.3057	359.7128
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	00:49:31	-0.0081	-0.8245	0.6696	0.0954	-0.0149	-0.0561	0.2018	-0.0264
2	00:50:28	0.0200	-1.4491	0.5994	0.0519	-0.0307	-0.0387	-0.0416	-0.0622
3	00:51:27	-0.0081	-0.6831	0.5958	0.0388	-0.0102	-0.0276	0.1403	-0.0399
x		0.0012	-0.9855	0.6216	0.0621	-0.0186	-0.0408	0.1002	-0.0428
σ		0.0162	0.4076	0.0416	0.0296	0.0107	0.0144	0.1265	0.0181
%RSD		1300.6197	41.3568	6.6966	47.7319	57.7351	35.3077	126.3090	42.2556
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	00:49:31	101.5%	0.0172	0.3782	1.1650	-0.0655	50.1290	51.3776	49.6949
2	00:50:28	102.1%	0.1996	0.5645	0.9265	0.6117	50.2465	48.8285	48.9936
3	00:51:27	101.1%	0.0826	1.0206	0.8041	0.5126	49.5291	50.0116	49.7721
x		101.6%	0.0998	0.6544	0.9652	0.3530	49.9682	50.0726	49.4869
σ		0.5%	0.0924	0.3305	0.1835	0.3657	0.3848	1.2756	0.4289
%RSD		0.5	92.6288	50.4987	19.0136	103.6209	0.7701	2.5476	0.8668
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	00:49:31	103.6%	0.0015	0.0073	0.0613	0.0441	0.0562	98.8%	0.0134
2	00:50:28	105.3%	0.0020	0.0066	0.0814	0.0527	0.0552	100.7%	0.0112
3	00:51:27	105.4%	0.0025	0.0038	0.0792	0.0400	0.0489	100.9%	0.0150
x		104.8%	0.0020	0.0059	0.0740	0.0456	0.0534	100.1%	0.0132
σ		1.0%	0.0005	0.0019	0.0110	0.0065	0.0039	1.2%	0.0019
%RSD		1.0	26.3223	31.8183	14.8844	14.1494	7.3861	1.2	14.6056
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	00:49:31	0.0130	-0.0164	0.0169	0.0116	95.4%	0.0149	0.0063	0.0037
2	00:50:28	0.0070	0.0305	0.0372	0.0602	97.5%	0.0093	0.0072	-0.0012
3	00:51:27	0.0078	0.0473	0.0294	0.0341	97.7%	0.0125	0.0067	-0.0005
x		0.0093	0.0204	0.0278	0.0353	96.9%	0.0122	0.0067	0.0007
σ		0.0032	0.0330	0.0102	0.0243	1.2%	0.0028	0.0004	0.0026
%RSD		34.9424	161.4528	36.7073	68.8548	1.3	23.3107	6.6614	390.5921
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	00:49:31	-0.0012	0.0018	93.4%	-0.0024				
2	00:50:28	0.0048	0.0010	96.7%	-0.0007				
3	00:51:27	-0.0019	0.0012	97.5%	-0.0027				
x		0.0006	0.0013	95.9%	-0.0019				
σ		0.0037	0.0004	2.2%	0.0011				
%RSD		652.2598	32.4833	2.2	54.6192				

$$\frac{Cd^{111} \ 0.0740}{Mo^{95} \ 49.9682} = 0.0014809$$

CCV13 05/15/2010 12:56:36 AM

User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	00:56:36	97.5%	27.2867	24.9560	26.2576	26.0352	28.3871	25.4528	26.3985
2	00:57:35	98.0%	26.5043	24.5486	25.0352	25.3748	28.1079	25.2732	25.8219
3	00:58:34	96.5%	25.8936	24.5361	25.4431	24.9935	28.0860	25.1163	25.2431
X		97.3%	26.5615	24.6803	25.5786	25.4679	28.1937	25.2808	25.8212
σ		0.7%	0.6983	0.2389	0.6224	0.5271	0.1679	0.1684	0.5777
%RSD		0.7	2.6290	0.9681	2.4331	2.0695	0.5955	0.6659	2.2373
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	00:56:36	26.6720	29.3939	27.4658	26.5949	26.3790	24.6939	25.6086	25.0126
2	00:57:35	26.1850	30.0743	26.4422	25.6703	25.8732	24.3475	25.1981	23.9779
3	00:58:34	25.5139	25.3448	25.9225	25.4571	25.7557	24.3035	24.7388	24.3604
X		26.1237	28.2710	26.6102	25.9074	26.0027	24.4483	25.1818	24.4503
σ		0.5815	2.5569	0.7852	0.6048	0.3312	0.2138	0.4351	0.5232
%RSD		2.2259	9.0443	2.9509	2.3345	1.2736	0.8747	1.7279	2.1397
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	00:56:36	94.8%	24.4789	26.0529	26.6184	24.0579	24.2090	24.5328	24.3593
2	00:57:35	96.3%	24.5780	25.2313	25.0144	24.0007	24.1678	24.3191	23.9640
3	00:58:34	96.2%	23.4587	26.1258	24.2312	24.2226	24.5573	24.3886	24.0133
X		95.7%	24.1719	25.8033	25.2880	24.0938	24.3114	24.4135	24.1122
σ		0.8%	0.6196	0.4968	1.2169	0.1152	0.2140	0.1090	0.2154
%RSD		0.8	2.5632	1.9252	4.8122	0.4782	0.8801	0.4467	0.8935
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	00:56:36	97.5%	24.4328	24.6248	23.9347	23.6639	24.1701	94.8%	23.8666
2	00:57:35	98.0%	24.1860	24.0611	24.3416	23.6183	24.2578	95.8%	23.9968
3	00:58:34	97.2%	24.3350	24.5528	24.1213	23.8235	24.3415	95.5%	24.3285
X		97.6%	24.3179	24.4129	24.1325	23.7019	24.2565	95.4%	24.0640
σ		0.4%	0.1243	0.3068	0.2037	0.1078	0.0857	0.5%	0.2382
%RSD		0.4	0.5111	1.2565	0.8439	0.4546	0.3532	0.6	0.9897
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	00:56:36	23.8048	25.2317	24.3523	24.7390	90.8%	24.3130	24.0350	24.4300
2	00:57:35	23.8020	25.0497	24.5141	24.5148	94.2%	24.1426	24.0015	24.1835
3	00:58:34	24.1104	24.6676	24.6250	24.9523	94.0%	24.4044	24.4125	24.5234
X		23.9057	24.9830	24.4971	24.7353	93.0%	24.2866	24.1497	24.3790
σ		0.1772	0.2879	0.1371	0.2188	1.9%	0.1329	0.2282	0.1756
%RSD		0.7414	1.1524	0.5599	0.8845	2.1	0.5471	0.9450	0.7203
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	00:56:36	24.4974	24.4598	91.1%	23.7742				
2	00:57:35	24.4757	24.2690	93.9%	24.1918				
3	00:58:34	24.5355	24.5796	94.5%	24.4120				
X		24.5029	24.4361	93.2%	24.1260				
σ		0.0303	0.1567	1.8%	0.3240				
%RSD		0.1237	0.6411	2.0	1.3428				

CCB13 05/15/2010 01:07:15 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:15	93.8%	0.0019	-0.0787	-0.0228	0.0341	3.0813	0.0625	0.0024
2	01:08:14	94.5%	-0.0014	-0.0883	-0.0576	0.0583	2.8408	0.0597	0.0053
3	01:09:13	92.7%	-0.0010	-0.0871	0.0821	0.0568	2.5188	0.0479	-0.0034
X		93.7%	-0.0002	-0.0847	0.0006	0.0497	2.8136	0.0567	0.0014
σ		0.9%	0.0018	0.0052	0.0727	0.0136	0.2822	0.0077	0.0044
%RSD		1.0	996.0678	6.1312	12754.2560	27.2884	10.0313	13.6566	308.2640
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:15	-0.0012	0.8882	0.6038	0.0936	0.0228	0.0191	0.1147	-0.0409
2	01:08:14	-0.0125	1.3072	0.6547	0.0557	0.0641	-0.0259	0.0989	-0.0290
3	01:09:13	0.0043	-2.1539	0.5597	0.0281	0.0382	0.0091	0.0018	-0.0541
X		-0.0031	0.0138	0.6061	0.0591	0.0417	0.0008	0.0718	-0.0413
σ		0.0086	1.8890	0.0476	0.0329	0.0209	0.0237	0.0611	0.0125
%RSD		273.2886	13648.4530	7.8505	55.6809	50.1044	3135.9964	85.1306	30.3493
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:15	92.4%	0.1687	0.4051	0.8598	0.5528	0.0331	0.0266	0.0305
2	01:08:14	92.1%	0.1483	0.7271	0.7386	0.5873	0.0694	0.0632	0.0608
3	01:09:13	93.5%	0.1091	0.7635	0.3851	0.4733	0.0678	0.0480	0.0456
X		92.7%	0.1420	0.6319	0.6612	0.5378	0.0567	0.0459	0.0456
σ		0.8%	0.0303	0.1973	0.2466	0.0585	0.0205	0.0184	0.0151
%RSD		0.8	21.3365	31.2213	37.3044	10.8769	36.1022	40.0445	33.1845
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:15	92.9%	0.0110	0.0074	0.0009	0.0005	0.0011	90.7%	0.0060
2	01:08:14	95.5%	0.0107	0.0129	0.0009	0.0016	0.0010	91.8%	0.0031
3	01:09:13	94.4%	0.0102	0.0086	-0.0015	0.0016	0.0010	91.8%	0.0031
X		94.3%	0.0107	0.0096	0.0001	0.0012	0.0010	91.4%	0.0041
σ		1.3%	0.0004	0.0029	0.0014	0.0007	0.0000	0.6%	0.0017
%RSD		1.4	3.7613	29.8752	1159.3244	53.8595	1.3923	0.7	41.3614
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:15	0.0026	-0.0262	-0.0031	0.0049	90.1%	0.0209	0.0097	-0.0023
2	01:08:14	0.0078	-0.0045	-0.0055	-0.0050	93.0%	0.0085	0.0088	0.0010
3	01:09:13	0.0043	-0.0118	0.0110	-0.0015	93.0%	0.0164	0.0144	0.0040
X		0.0049	-0.0142	0.0008	-0.0006	92.0%	0.0153	0.0110	0.0009
σ		0.0027	0.0111	0.0089	0.0050	1.7%	0.0063	0.0030	0.0032
%RSD		54.5237	78.2705	1117.8784	899.7754	1.8	41.0047	27.4129	341.5699
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	01:07:15	0.0049	0.0020	88.8%	0.0016				
2	01:08:14	0.0055	0.0041	92.6%	-0.0022				
3	01:09:13	0.0066	0.0046	92.9%	-0.0002				
X		0.0057	0.0036	91.5%	-0.0003				
σ		0.0009	0.0014	2.3%	0.0019				
%RSD		15.4674	38.6925	2.5	696.0298				

## Performance Report

### Sample details

Acquired at : 05/17/2010 09:52:34 AM

Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

### Mass Calibration verification

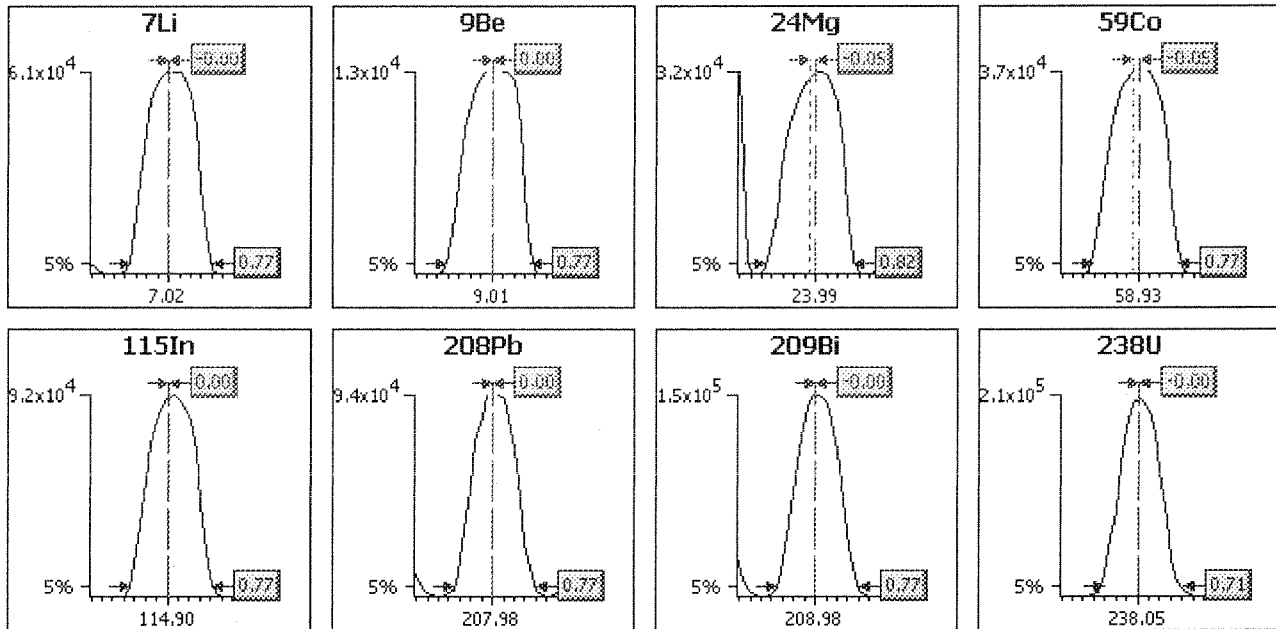
#### Acquisition parameters

Sweeps : 100

Dwell : 1.0 mSecs

Point spacing : 0.05 amu

Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.90	0.60	0.10	0.77	-0.00
9Be	0.90	0.60	0.10	0.77	0.00
24Mg	0.90	0.60	0.10	0.82	-0.05
59Co	0.90	0.60	0.10	0.77	-0.05
115In	0.90	0.60	0.10	0.77	0.00
208Pb	0.90	0.60	0.10	0.77	0.00
209Bi	0.90	0.60	0.10	0.77	-0.00
238U	0.90	0.60	0.10	0.71	-0.00

**Sample details**

Acquired at : 05/17/2010 09:52:34 AM

Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

**Tune conditions**

Major		Minor		Global		Add. Gases
Extraction	-106	Lens 2	-17.3	Standard resolution	115	
Lens 1	4.7	Lens 3	-182.7	High resolution	105	
Focus	20.2	Forward power	1200	Analogue Detector	2000	
D1	-37.6	Horizontal	111	PC Detector	3422	
Pole Bias	0.4	Vertical	19			
Hexapole Bias	4.9	D2	-151			
Nebuliser	0.71	DA	-42.4			
Sampling Depth	20	Cool	13.0			
		Auxiliary	0.67			

**Sensitivity and stability results****Acquisition parameters**

Sweeps : 400

Run	Time	5Bkg	7Li	9Be	24Mg	59Co	115In	140Ce	156Ce O	208Pb
<b>Dwell (mSecs)</b>		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Limits</b>	<b>%RSD</b>	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	-	5.0%
	<b>Countrate</b>	-	>1000	>1000	>1000	>1000	>1000	-	-	>1000
1	09:53:06 AM	0.000	61492.270	13433.668	31964.848	38051.971	93833.776	100615.22	1646.149	99043.354
2	09:54:19 AM	0.000	61389.328	13332.019	31998.466	38310.554	93827.967	100727.46	1651.900	99341.582
3	09:55:32 AM	0.000	61859.499	13428.160	31806.042	38001.511	93810.791	100719.12	1616.144	99296.594
4	09:56:45 AM	0.000	61579.609	13459.957	31822.098	37952.306	93647.874	100772.96	1683.156	99131.558
5	09:57:58 AM	0.000	61558.466	13380.089	32061.688	37911.888	93407.672	100802.28	1614.893	99251.354
x		0.000	61575.835	13406.779	31930.628	38045.646	93705.616	100727.41	1642.448	99212.888
$\sigma$		0.00	175.04	50.77	112.08	157.14	183.41	71.30	28.33	122.89
%RSD		0.000	0.284	0.379	0.351	0.413	0.196	0.071	1.725	0.124

Run	Time	209Bi	220Bkg	238U
<b>Dwell (mSecs)</b>		10.0	10.0	10.0
<b>Limits</b>	<b>%RSD</b>	5.0%	-	5.0%
	<b>Countrate</b>	>1000	-	>1000
1	09:53:06 AM	151200.52	0.250	214094.67
2	09:54:19 AM	151368.78	0.000	213973.87
3	09:55:32 AM	151487.74	0.000	213552.90
4	09:56:45 AM	151312.61	0.000	214153.28
5	09:57:58 AM	151020.31	0.250	213584.63
x		151277.99	0.100	213871.87
$\sigma$		177.37	0.14	284.38
%RSD		0.117	136.931	0.133

**Ratio results**

Run	Time	156Ce O/140Ce
<b>Ratio limits</b>		<0.0200
1	09:53:06 AM	0.016
2	09:54:19 AM	0.016
3	09:55:32 AM	0.016
4	09:56:45 AM	0.017
5	09:57:58 AM	0.016
x		0.0163
$\sigma$		0.00
%RSD		1.7295

Result : The performance report passed.



**Sample List**

No	Label	Type	Weight	Rack	Row	Col	Height
1	Cal. Blk	Blank	1.000	0	1	1	150
2	Cal. Stn	Fully Quant Standard	1.000	0	1	2	150
3	ICV1	Unknown	1.000	0	1	3	150
4	CCV1	Unknown	1.000	0	1	2	150
5	ICB1	Unknown	1.000	0	1	1	150
6	CCB1	Unknown	1.000	0	1	1	150
7	CRA	Unknown	1.000	0	1	4	150
8	ICSA	Unknown	1.000	0	1	5	150
9	ICSAB	Unknown	1.000	0	1	6	150
10	K1004738-MB	Unknown	1.000	1	1	11	150
11	LCSW	Unknown	1.000	1	1	12	150
12	K1004738-011	Unknown	1.000	1	2	1	150
13	K1004738-012	Unknown	1.000	1	2	2	150
14	K1004738-013	Unknown	1.000	1	2	3	150
15	K1004738-013D	Unknown	1.000	1	2	4	150
16	K1004738-013S	Unknown	1.000	1	2	5	150
17	CCV2	Unknown	1.000	0	1	2	150
18	CCB2	Unknown	1.000	0	1	1	150
19	K1004738-014	Unknown	1.000	1	2	6	150
20	K1004510-MB	Unknown	1.000	1	2	7	150
21	LCSW	Unknown	1.000	1	2	8	150
22	K1004510-001	Unknown	1.000	1	2	9	150
23	K1004510-001D	Unknown	1.000	1	2	10	150
24	K1004510-001S	Unknown	1.000	1	2	11	150
25	K1004510-002	Unknown	1.000	1	2	12	150
26	K1004510-003	Unknown	1.000	1	3	1	150
27	K1004510-005	Unknown	1.000	1	3	2	150
28	K1004510-001 DISS	Unknown	1.000	1	3	3	150
29	CCV3	Unknown	1.000	0	1	2	150
30	CCB3	Unknown	1.000	0	1	1	150

## Dilution Corrected Concentrations

Cal. Blk 05/17/2010 04:55:08 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:08	-0.0456	0.0358	-0.0030	-0.0174	-0.0578	0.0117	100.1%	100.4%
2	16:55:31	0.0179	-0.0126	0.0084	0.0176	0.0067	-0.0088	98.6%	99.4%
3	16:55:54	0.0277	-0.0232	-0.0054	-0.0002	0.0511	-0.0029	101.3%	100.2%
x		-0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0000	100.0%	100.0%
$\sigma$		0.0398	0.0315	0.0074	0.0175	0.0548	0.0106	1.4%	0.5%
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.4	0.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:55:08	0.0009	-0.0035	0.0006					
2	16:55:31	0.0004	0.0021	0.0004					
3	16:55:54	-0.0013	0.0014	-0.0011					
x		0.0000	0.0000	-0.0000					
$\sigma$		0.0011	0.0030	0.0009					
%RSD		0.0000	0.0000	0.0000					

Cal. Stn 05/17/2010 04:57:50 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:50	24.4491	24.3994	24.4525	24.1923	23.1929	24.4410	99.5%	95.8%
2	16:58:12	25.4758	25.8637	25.5838	26.0344	25.7356	25.7510	97.3%	97.1%
3	16:58:34	25.0751	24.7369	24.9637	24.7733	26.0715	24.8080	99.0%	99.7%
x		25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	98.6%	97.6%
$\sigma$		0.5174	0.7668	0.5665	0.9418	1.5740	0.6758	1.2%	2.0%
%RSD		2.0697	3.0671	2.2662	3.7671	6.2960	2.7032	1.2	2.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:57:50	24.3987	24.7942	24.6102					
2	16:58:12	25.4737	25.1489	25.4076					
3	16:58:34	25.1277	25.0569	24.9822					
x		25.0000	25.0000	25.0000					
$\sigma$		0.5487	0.1841	0.3990					
%RSD		2.1950	0.7362	1.5961					

ICV1 05/17/2010 05:00:33 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:33	24.6105	12.5652	12.5434	25.1490	27.6194	26.4217	99.5%	97.7%
2	17:00:54	25.1444	12.6490	12.7919	26.4873	28.4841	28.2084	99.2%	99.0%
3	17:01:17	24.7403	12.4878	12.3784	25.0386	27.5826	27.7721	100.2%	100.1%
x		24.8317	12.5673	12.5712	25.5583	27.8953	27.4674	99.6%	98.9%
$\sigma$		0.2785	0.0806	0.2081	0.8064	0.5102	0.9315	0.5%	1.2%
%RSD		1.1215	0.6414	1.6557	3.1553	1.8289	3.3912	0.5	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:00:33	23.2012	25.4019	24.3625					
2	17:00:54	23.3437	26.0217	24.8559					
3	17:01:17	23.7507	26.6652	25.2612					
x		23.4319	26.0296	24.8265					
$\sigma$		0.2852	0.6317	0.4501					
%RSD		1.2171	2.4268	1.8128					

CCV1 05/17/2010 05:03:17 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:17	24.7737	24.6379	24.8402	24.7995	23.7878	25.2779	97.6%	97.4%
2	17:03:39	24.5501	24.6154	24.1622	24.0958	23.2587	24.8437	99.7%	97.9%
3	17:04:00	24.8993	24.4054	24.0756	24.3534	24.1445	23.9233	99.3%	99.7%
x		24.7410	24.5529	24.3593	24.4162	23.7303	24.6816	98.9%	98.3%
σ		0.1769	0.1283	0.4187	0.3560	0.4457	0.6917	1.1%	1.2%
%RSD		0.7150	0.5224	1.7187	1.4581	1.8782	2.8026	1.2	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:03:17	24.2249	23.9644	24.0518					
2	17:03:39	24.9233	24.7943	24.9069					
3	17:04:00	24.6205	24.7548	24.7224					
x		24.5896	24.5045	24.5604					
σ		0.3502	0.4681	0.4500					
%RSD		1.4242	1.9105	1.8321					

ICB1 05/17/2010 05:05:55 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:55	0.0791	0.1106	-0.0132	-0.0154	0.1420	0.0405	98.7%	96.0%
2	17:06:17	0.1683	0.1131	0.0078	-0.0325	-0.1708	-0.0275	99.3%	97.5%
3	17:06:39	0.0483	0.0577	0.0363	0.0479	0.0671	-0.0310	98.2%	99.6%
x		0.0986	0.0938	0.0103	-0.0000	0.0128	-0.0060	98.7%	97.7%
σ		0.0623	0.0313	0.0248	0.0423	0.1633	0.0403	0.6%	1.8%
%RSD		63.2393	33.3524	241.1383	1126033.1000	1279.9642	668.1362	0.6	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:05:55	-0.0016	0.0024	-0.0005					
2	17:06:17	0.0005	0.0009	0.0009					
3	17:06:39	0.0031	0.0007	0.0013					
x		0.0007	0.0013	0.0006					
σ		0.0023	0.0010	0.0009					
%RSD		336.8316	70.8717	162.2351					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:16	0.1554	0.1117	0.0495	0.0238	-0.1445	0.0020	97.0%	95.2%
2	17:08:39	-0.0035	0.0867	-0.0084	0.0030	0.0114	0.0515	97.5%	97.2%
3	17:09:01	0.0633	0.0518	0.0322	0.0426	-0.0733	-0.0363	99.1%	99.4%
x		0.0717	0.0834	0.0244	0.0232	-0.0688	0.0057	97.9%	97.3%
σ		0.0797	0.0301	0.0297	0.0198	0.0781	0.0440	1.1%	2.1%
%RSD		111.1713	36.1153	121.6030	85.4843	113.4863	768.4787	1.1	2.1
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:08:16	0.0030	0.0011	0.0021					
2	17:08:39	-0.0033	-0.0005	0.0000					
3	17:09:01	0.0036	0.0007	0.0035					
x		0.0011	0.0004	0.0019					
σ		0.0038	0.0008	0.0017					
%RSD		343.8920	196.4146	92.1326					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:43	0.0612	0.2403	0.1865	0.5200	0.2226	0.5762	95.4%	93.9%
2	17:17:04	0.2124	0.2370	0.1250	0.6018	0.5159	0.5065	98.3%	95.9%
3	17:17:26	0.2236	0.1237	0.0964	0.5905	0.6847	0.4632	97.2%	99.3%
X		0.1657	0.2003	0.1359	0.5707	0.4744	0.5153	97.0%	96.4%
σ		0.0907	0.0664	0.0461	0.0443	0.2339	0.0570	1.4%	2.7%
%RSD		54.7317	33.1506	33.8934	7.7635	49.2933	11.0621	1.5	2.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:16:43	0.0088	0.0152	0.0170					
2	17:17:04	0.0173	0.0154	0.0223					
3	17:17:26	0.0208	0.0161	0.0174					
X		0.0156	0.0156	0.0189					
σ		0.0062	0.0005	0.0030					
%RSD		39.5493	2.9560	15.6784					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:49	-0.0160	0.5772	1.0437	1.3469	2.9608	1.0770	94.8%	94.4%
2	17:19:11	0.1455	0.5880	0.8814	1.4362	3.2621	1.0592	94.4%	94.0%
3	17:19:33	-0.0783	0.5698	0.8889	1.5332	2.4906	1.2018	95.6%	95.3%
X		0.0170	0.5783	0.9380	1.4387	2.9045	1.1127	94.9%	94.6%
σ		0.1155	0.0091	0.0917	0.0932	0.3888	0.0777	0.6%	0.7%
%RSD		677.9834	1.5818	9.7719	6.4747	13.3861	6.9814	0.7	0.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:18:49	0.1086	0.0942	0.1194					
2	17:19:11	0.1278	0.1387	0.1300					
3	17:19:33	0.1131	0.1397	0.1233					
X		0.1165	0.1242	0.1242					
σ		0.0100	0.0260	0.0054					
%RSD		8.6080	20.9305	4.3144					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:14	48.5411	46.5951	46.9323	24.2008	25.5994	23.1223	93.2%	92.4%
2	17:21:36	47.9650	45.5850	46.9777	24.3414	26.1037	23.7181	94.5%	93.6%
3	17:21:58	48.9359	45.0116	46.1845	25.0175	26.7018	23.2840	93.9%	94.6%
X		48.4807	45.7306	46.6982	24.5199	26.1350	23.3748	93.9%	93.5%
σ		0.4883	0.8017	0.4454	0.4366	0.5519	0.3081	0.6%	1.1%
%RSD		1.0072	1.7531	0.9538	1.7807	2.1116	1.3181	0.7	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:21:14	0.1290	0.1309	0.1401					
2	17:21:36	0.1220	0.1327	0.1287					
3	17:21:58	0.1247	0.1261	0.1337					
X		0.1253	0.1299	0.1342					
σ		0.0035	0.0034	0.0057					
%RSD		2.8167	2.5894	4.2533					

**K1004738-MB** 05/17/2010 05:23:56 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:56	0.2421	0.2184	-0.0500	0.0080	0.0158	0.0668	96.6%	96.2%
2	17:24:18	0.1244	0.1538	-0.0306	0.0091	0.2850	0.0056	97.8%	97.9%
3	17:24:40	0.0310	0.1301	-0.0288	0.0120	0.0679	0.1322	98.0%	99.7%
x		0.1325	0.1674	-0.0364	0.0097	0.1229	0.0682	97.5%	97.9%
σ		0.1058	0.0457	0.0117	0.0021	0.1428	0.0633	0.8%	1.7%
%RSD		79.8249	27.3010	32.2268	21.4578	116.1605	92.8118	0.8	1.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:23:56	-0.0038	-0.0019	-0.0032					
2	17:24:18	-0.0044	-0.0027	-0.0033					
3	17:24:40	-0.0050	-0.0055	-0.0043					
x		-0.0044	-0.0034	-0.0036					
σ		0.0006	0.0019	0.0007					
%RSD		13.5212	56.8226	18.1880					

**LCSW** 05/17/2010 05:26:37 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:26:37	18.5332	19.7084	18.9375	19.5246	18.5553	19.2924	99.8%	97.4%
2	17:26:58	19.6070	19.9732	19.4383	20.5753	19.4114	20.1467	98.4%	97.7%
3	17:27:20	19.3746	19.8548	19.4605	19.9164	20.3562	20.1063	98.6%	99.3%
x		19.1716	19.8455	19.2787	20.0054	19.4410	19.8485	98.9%	98.1%
σ		0.5649	0.1327	0.2958	0.5310	0.9008	0.4820	0.7%	1.0%
%RSD		2.9467	0.6684	1.5341	2.6542	4.6336	2.4284	0.8	1.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:26:37	19.0381	18.8963	18.9107					
2	17:26:58	19.6858	19.4621	19.6623					
3	17:27:20	19.4127	19.6008	19.4978					
x		19.3789	19.3197	19.3569					
σ		0.3252	0.3732	0.3951					
%RSD		1.6781	1.9316	2.0411					

**K1004738-011** 05/17/2010 05:29:21 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:21	0.5389	4.2028	4.0907	9.6042	9.5767	11.0368	94.9%	92.7%
2	17:29:43	0.8099	3.9828	3.9479	9.0989	9.6157	10.4813	97.8%	96.5%
3	17:30:05	0.7100	3.9109	3.8723	9.9754	10.2402	10.1387	97.2%	97.8%
x		0.6862	4.0322	3.9703	9.5595	9.8109	10.5523	96.6%	95.6%
σ		0.1370	0.1520	0.1109	0.4399	0.3723	0.4532	1.5%	2.7%
%RSD		19.9698	3.7709	2.7929	4.6022	3.7951	4.2949	1.6	2.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:29:21	0.3569	0.3946	0.3784					
2	17:29:43	0.3530	0.3903	0.3620					
3	17:30:05	0.3628	0.3743	0.3721					
x		0.3576	0.3864	0.3708					
σ		0.0050	0.0107	0.0083					
%RSD		1.3846	2.7731	2.2323					

K1004738-012 05/17/2010 05:32:00 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:00	0.8011	3.8472	3.4936	15.2694	15.7481	15.5946	97.4%	93.8%
2	17:32:21	0.8415	3.8114	3.6112	15.3327	14.8299	15.3839	96.1%	95.1%
3	17:32:43	0.8453	3.5487	3.5645	15.1125	14.2175	15.6102	97.2%	97.8%
X		0.8293	3.7358	3.5565	15.2382	14.9318	15.5296	96.9%	95.6%
σ		0.0245	0.1630	0.0592	0.1134	0.7704	0.1264	0.7%	2.1%
%RSD		2.9517	4.3627	1.6650	0.7441	5.1591	0.8140	0.7	2.1
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:32:00	0.3753	0.4209	0.3997					
2	17:32:21	0.3558	0.4111	0.3848					
3	17:32:43	0.3622	0.4004	0.3848					
X		0.3644	0.4108	0.3898					
σ		0.0099	0.0103	0.0086					
%RSD		2.7296	2.4958	2.2123					

K1004738-013 05/17/2010 05:34:49 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:49	0.1027	4.7805	4.7332	33.0574	30.0819	32.9084	96.5%	94.7%
2	17:35:12	0.2502	4.6263	4.3803	32.9491	28.6181	32.3842	97.3%	97.0%
3	17:35:34	0.4580	4.4594	4.2265	31.0177	29.2499	30.3473	98.9%	100.9%
X		0.2703	4.6220	4.4467	32.3414	29.3166	31.8800	97.6%	97.5%
σ		0.1785	0.1606	0.2598	1.1476	0.7342	1.3530	1.2%	3.2%
%RSD		66.0296	3.4746	5.8428	3.5484	2.5042	4.2439	1.2	3.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:34:49	0.6342	0.6511	0.6560					
2	17:35:12	0.6241	0.7319	0.6722					
3	17:35:34	0.5836	0.6454	0.6260					
X		0.6140	0.6761	0.6514					
σ		0.0268	0.0484	0.0235					
%RSD		4.3667	7.1546	3.6022					

K1004738-013D 05/17/2010 05:37:30 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:37:30	-0.0915	4.3736	4.2674	31.5121	28.3765	31.5748	98.4%	95.5%
2	17:37:52	0.3244	4.2418	4.2823	32.4734	31.0476	31.2947	99.0%	98.6%
3	17:38:13	0.2232	4.4688	4.5408	33.5439	29.8855	34.0086	94.8%	97.0%
X		0.1520	4.3614	4.3635	32.5098	29.7699	32.2927	97.4%	97.1%
σ		0.2169	0.1140	0.1537	1.0164	1.3393	1.4926	2.3%	1.6%
%RSD		142.6983	2.6137	3.5224	3.1263	4.4988	4.6221	2.3	1.6
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:37:30	0.5980	0.6707	0.6610					
2	17:37:52	0.6356	0.7306	0.6713					
3	17:38:13	0.6553	0.7453	0.7029					
X		0.6296	0.7155	0.6784					
σ		0.0291	0.0395	0.0218					
%RSD		4.6235	5.5225	3.2139					

**K1004738-013S** 05/17/2010 05:40:09 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:09	18.8538	23.2563	22.4909	50.4247	48.0865	49.7355	96.3%	95.8%
2	17:40:31	19.0831	23.4422	22.7371	52.6197	48.9443	50.4430	95.9%	97.6%
3	17:40:53	18.9289	22.5110	21.7961	50.8812	46.9158	49.1074	96.5%	98.5%
X		18.9553	23.0698	22.3414	51.3086	47.9822	49.7620	96.2%	97.3%
σ		0.1169	0.4928	0.4880	1.1582	1.0183	0.6682	0.3%	1.4%
%RSD		0.6169	2.1363	2.1842	2.2573	2.1221	1.3428	0.3	1.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:40:09	18.9224	18.8722	18.9285					
2	17:40:31	18.9580	18.9264	18.9601					
3	17:40:53	19.0524	18.7178	18.9989					
X		18.9776	18.8388	18.9625					
σ		0.0672	0.1082	0.0352					
%RSD		0.3540	0.5743	0.1858					

**CCV2** 05/17/2010 05:42:50 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:50	24.6104	25.7626	25.1956	24.5984	23.9900	25.3355	100.8%	98.8%
2	17:43:12	25.2807	25.6325	25.7172	25.3167	24.8646	24.6726	101.4%	99.8%
3	17:43:34	24.3012	24.4716	23.9747	24.4846	23.2231	24.1941	104.4%	102.3%
X		24.7308	25.2889	24.9625	24.7999	24.0259	24.7341	102.2%	100.3%
σ		0.5007	0.7108	0.8944	0.4512	0.8214	0.5732	2.0%	1.8%
%RSD		2.0247	2.8106	3.5828	1.8192	3.4187	2.3173	1.9	1.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:42:50	24.5523	24.1462	24.2719					
2	17:43:12	24.8825	24.7875	24.8139					
3	17:43:34	24.4558	24.5131	24.6310					
X		24.6302	24.4823	24.5723					
σ		0.2238	0.3218	0.2758					
%RSD		0.9085	1.3143	1.1223					

**CCB2** 05/17/2010 05:45:34 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:34	0.1380	0.1971	0.0002	-0.0333	0.0582	0.0342	99.9%	96.0%
2	17:45:55	0.0843	0.1566	-0.0022	-0.0381	0.1469	-0.0071	101.2%	99.2%
3	17:46:16	0.1622	0.1112	-0.0841	-0.0235	-0.1406	0.0397	102.1%	101.7%
X		0.1282	0.1550	-0.0287	-0.0316	0.0215	0.0223	101.1%	99.0%
σ		0.0399	0.0430	0.0480	0.0074	0.1472	0.0256	1.1%	2.8%
%RSD		31.1145	27.7206	167.4455	23.4787	686.0024	114.9946	1.1	2.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:45:34	0.0018	-0.0026	0.0009					
2	17:45:55	-0.0007	-0.0013	0.0006					
3	17:46:16	0.0008	-0.0008	0.0001					
X		0.0006	-0.0016	0.0005					
σ		0.0012	0.0009	0.0004					
%RSD		195.7975	58.3302	73.7422					

**K1004738-014** 05/17/2010 05:48:12 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:12	3.8887	5.1932	5.3355	39.2647	48.2403	48.8967	109.1%	93.6%
2	17:48:33	3.7585	4.7950	5.2851	38.7432	47.6377	48.2868	109.1%	94.5%
3	17:48:55	3.8183	5.0400	4.9654	38.7750	48.3997	48.2872	108.5%	96.0%
x		3.8218	5.0094	5.1953	38.9276	48.0925	48.4902	108.9%	94.7%
σ		0.0652	0.2008	0.2007	0.2924	0.4019	0.3520	0.3%	1.2%
%RSD		1.7054	4.0094	3.8638	0.7510	0.8357	0.7259	0.3	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:48:12	1.3243	1.4762	1.3969					
2	17:48:33	1.3087	1.5013	1.4048					
3	17:48:55	1.2760	1.4202	1.3829					
x		1.3030	1.4659	1.3949					
σ		0.0246	0.0415	0.0111					
%RSD		1.8897	2.8336	0.7952					

**K1004510-MB** 05/17/2010 05:50:54 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:54	0.0933	0.1754	-0.0511	-0.0352	-0.0122	0.0483	93.9%	93.8%
2	17:51:15	0.1305	0.0603	-0.0859	-0.0113	-0.1618	0.0723	96.1%	96.7%
3	17:51:37	0.0804	0.1314	-0.1060	-0.0354	0.0158	0.0209	96.6%	98.0%
x		0.1014	0.1224	-0.0810	-0.0273	-0.0527	0.0471	95.6%	96.2%
σ		0.0260	0.0581	0.0278	0.0138	0.0955	0.0257	1.4%	2.1%
%RSD		25.6434	47.4564	34.3067	50.6864	181.0291	54.5965	1.5	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:50:54	-0.0037	-0.0003	-0.0034					
2	17:51:15	-0.0027	-0.0019	-0.0026					
3	17:51:37	-0.0044	-0.0041	-0.0033					
x		-0.0036	-0.0021	-0.0031					
σ		0.0008	0.0019	0.0004					
%RSD		23.6451	90.8665	13.3819					

**LCSW** 05/17/2010 05:53:34 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:53:34	19.7573	20.1261	19.9365	19.6167	19.1822	20.3512	97.0%	95.5%
2	17:53:56	19.7930	20.2457	20.1905	20.8052	18.6218	20.7516	97.3%	97.9%
3	17:54:18	19.1587	19.7432	19.5145	20.1979	19.0259	20.4829	98.6%	98.3%
x		19.5697	20.0383	19.8805	20.2066	18.9433	20.5286	97.6%	97.2%
σ		0.3564	0.2625	0.3415	0.5943	0.2892	0.2041	0.9%	1.5%
%RSD		1.8210	1.3099	1.7176	2.9410	1.5266	0.9940	0.9	1.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:53:34	19.5733	19.7977	19.7345					
2	17:53:56	19.7562	19.6396	19.7169					
3	17:54:18	19.8170	19.9749	19.9601					
x		19.7155	19.8041	19.8038					
σ		0.1268	0.1677	0.1356					
%RSD		0.6433	0.8469	0.6846					



**K1004510-001** 05/17/2010 05:56:16 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:16	0.5478	1.4351	1.2941	8.9726	9.3138	9.0671	97.2%	97.0%
2	17:56:37	0.2669	1.3185	1.1809	8.8002	8.4387	8.9741	98.8%	99.8%
3	17:56:59	0.2828	1.3017	1.2625	8.2430	7.4850	8.7977	99.1%	99.9%
X		0.3658	1.3518	1.2458	8.6719	8.4125	8.9463	98.4%	98.9%
σ		0.1578	0.0727	0.0584	0.3813	0.9147	0.1368	1.0%	1.6%
%RSD		43.1354	5.3748	4.6883	4.3975	10.8732	1.5296	1.0	1.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:56:16	0.1456	0.1235	0.1361					
2	17:56:37	0.1210	0.1310	0.1317					
3	17:56:59	0.1273	0.1260	0.1358					
X		0.1313	0.1268	0.1345					
σ		0.0127	0.0038	0.0025					
%RSD		9.7068	3.0074	1.8339					

**K1004510-001D** 05/17/2010 05:58:58 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:58:58	0.3595	1.3545	1.2588	8.2082	8.8400	8.8694	98.7%	96.5%
2	17:59:20	0.4291	1.3604	1.1216	8.4770	8.6649	8.9080	98.3%	99.2%
3	17:59:42	0.4574	1.2157	1.0102	8.5983	7.9043	8.7916	100.5%	98.8%
X		0.4154	1.3102	1.1302	8.4278	8.4697	8.8564	99.2%	98.1%
σ		0.0504	0.0819	0.1245	0.1997	0.4974	0.0593	1.2%	1.5%
%RSD		12.1301	6.2515	11.0153	2.3690	5.8728	0.6695	1.2	1.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:58:58	0.1182	0.1393	0.1332					
2	17:59:20	0.1256	0.1472	0.1330					
3	17:59:42	0.1288	0.1240	0.1344					
X		0.1242	0.1368	0.1335					
σ		0.0054	0.0118	0.0008					
%RSD		4.3639	8.6079	0.5900					

**K1004510-001S** 05/17/2010 06:01:40 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:40	19.8221	20.6142	20.6769	28.0811	27.0309	28.4571	99.3%	98.1%
2	18:02:01	20.2665	21.2518	20.4794	28.7825	27.1085	29.7379	99.0%	99.4%
3	18:02:23	20.1722	20.7782	20.2711	28.7710	27.8804	28.7554	98.6%	99.0%
X		20.0869	20.8814	20.4758	28.5449	27.3399	28.9835	99.0%	98.8%
σ		0.2342	0.3311	0.2029	0.4017	0.4697	0.6702	0.3%	0.7%
%RSD		1.1658	1.5857	0.9911	1.4072	1.7180	2.3123	0.3	0.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:01:40	19.2208	18.8246	18.9379					
2	18:02:01	19.3907	19.0996	19.2941					
3	18:02:23	19.5466	19.7135	19.5572					
X		19.3860	19.2125	19.2631					
σ		0.1630	0.4551	0.3109					
%RSD		0.8407	2.3687	1.6137					

**K1004510-002** 05/17/2010 06:04:30 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:30	-0.0368	0.1619	-0.1036	0.2804	-0.0645	0.2623	101.9%	99.0%
2	18:04:51	0.1655	0.1494	-0.0752	0.1645	0.2328	0.2600	102.5%	100.1%
3	18:05:13	0.1251	0.1388	-0.0594	0.1449	0.2983	0.1955	103.8%	101.4%
X		0.0846	0.1500	-0.0794	0.1966	0.1555	0.2393	102.7%	100.2%
σ		0.1070	0.0115	0.0224	0.0733	0.1934	0.0380	1.0%	1.2%
%RSD		126.5062	7.6937	28.1456	37.2633	124.3216	15.8644	1.0	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:04:30	-0.0039	-0.0013	-0.0029					
2	18:04:51	-0.0007	-0.0028	-0.0021					
3	18:05:13	-0.0034	-0.0035	-0.0023					
X		-0.0027	-0.0025	-0.0024					
σ		0.0017	0.0011	0.0004					
%RSD		63.9335	43.6366	17.3362					

**K1004510-003** 05/17/2010 06:07:10 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:10	0.3036	1.4104	1.1176	9.1958	8.8607	9.4594	97.8%	96.5%
2	18:07:31	0.3777	1.3502	1.2635	8.9785	8.7258	9.0102	98.9%	98.4%
3	18:07:53	0.3494	1.4061	1.1917	8.5967	8.3107	9.2634	99.6%	100.0%
X		0.3436	1.3889	1.1909	8.9237	8.6324	9.2443	98.8%	98.3%
σ		0.0374	0.0336	0.0730	0.3033	0.2867	0.2252	0.9%	1.8%
%RSD		10.8719	2.4175	6.1279	3.3991	3.3208	2.4363	0.9	1.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:07:10	0.1365	0.1486	0.1395					
2	18:07:31	0.1255	0.1358	0.1344					
3	18:07:53	0.1346	0.1328	0.1370					
X		0.1322	0.1391	0.1369					
σ		0.0059	0.0084	0.0025					
%RSD		4.4253	6.0576	1.8521					

**K1004510-005** 05/17/2010 06:09:51 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:51	0.6178	16.7001	16.5390	15.4030	13.1351	14.2299	101.4%	98.1%
2	18:10:13	0.3531	16.3192	16.3779	15.3587	14.6286	15.0975	101.5%	99.4%
3	18:10:35	0.3472	16.7681	16.4993	15.2797	14.7792	14.9535	100.5%	101.3%
X		0.4394	16.5958	16.4721	15.3471	14.1810	14.7603	101.2%	99.6%
σ		0.1545	0.2420	0.0839	0.0625	0.9089	0.4649	0.5%	1.7%
%RSD		35.1711	1.4580	0.5096	0.4070	6.4090	3.1500	0.5	1.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:09:51	0.1059	0.1271	0.1151					
2	18:10:13	0.1001	0.1058	0.1082					
3	18:10:35	0.1059	0.1207	0.1117					
X		0.1040	0.1178	0.1117					
σ		0.0034	0.0109	0.0034					
%RSD		3.2459	9.2825	3.0844					

**K1004510-001 DISS** 05/17/2010 06:12:31 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:31	0.1443	1.0617	0.8174	7.4311	6.6358	7.8150	102.3%	100.1%
2	18:12:53	0.3422	0.9867	0.9672	7.4530	6.8650	7.7671	101.4%	100.8%
3	18:13:15	0.2120	0.9715	0.7701	7.4625	7.0176	7.7541	102.5%	101.2%
X		0.2328	1.0067	0.8516	7.4489	6.8395	7.7787	102.1%	100.7%
σ		0.1006	0.0483	0.1029	0.0161	0.1922	0.0320	0.5%	0.6%
%RSD		43.1925	4.7992	12.0859	0.2165	2.8102	0.4118	0.5	0.6
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:12:31	0.0073	0.0090	0.0133					
2	18:12:53	0.0077	0.0130	0.0130					
3	18:13:15	0.0108	0.0170	0.0146					
X		0.0086	0.0130	0.0136					
σ		0.0019	0.0040	0.0009					
%RSD		22.3978	30.9061	6.3171					

**CCV3** 05/17/2010 06:15:10 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:10	25.0740	24.5809	24.7412	24.2738	23.6543	24.4936	104.3%	101.6%
2	18:15:31	25.4464	25.1411	24.9364	25.2504	24.0555	24.6227	104.7%	103.1%
3	18:15:53	24.8990	25.0552	24.3013	24.7281	23.8422	24.7298	105.3%	103.3%
X		25.1398	24.9257	24.6596	24.7508	23.8507	24.6154	104.8%	102.7%
σ		0.2795	0.3017	0.3253	0.4887	0.2008	0.1182	0.5%	0.9%
%RSD		1.1119	1.2104	1.3192	1.9745	0.8417	0.4804	0.5	0.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:15:10	24.1374	23.8537	23.9385					
2	18:15:31	24.9094	24.4252	24.6701					
3	18:15:53	24.9369	24.4807	24.6486					
X		24.6612	24.2532	24.4191					
σ		0.4539	0.3471	0.4163					
%RSD		1.8405	1.4312	1.7048					

**CCB3** 05/17/2010 06:20:26 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:26	0.0681	0.2177	-0.0704	-0.0461	-0.0858	0.0391	102.6%	98.5%
2	18:20:47	0.1761	0.2281	-0.0807	-0.0054	-0.1422	0.0476	102.7%	100.7%
3	18:21:09	0.2506	0.1388	-0.1065	-0.0824	-0.0745	-0.0318	104.7%	102.6%
X		0.1649	0.1949	-0.0859	-0.0446	-0.1008	0.0183	103.3%	100.6%
σ		0.0918	0.0488	0.0186	0.0385	0.0363	0.0436	1.2%	2.1%
%RSD		55.6542	25.0515	21.6566	86.2268	35.9665	238.7346	1.1	2.1
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:20:26	-0.0001	0.0008	0.0015					
2	18:20:47	-0.0018	0.0013	-0.0002					
3	18:21:09	0.0022	0.0059	0.0016					
X		0.0001	0.0027	0.0010					
σ		0.0020	0.0028	0.0010					
%RSD		1730.9530	104.9328	109.2845					

## Performance Report

### Sample details

Acquired at : 05/18/2010 11:13:42 AM

Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

### Mass Calibration verification

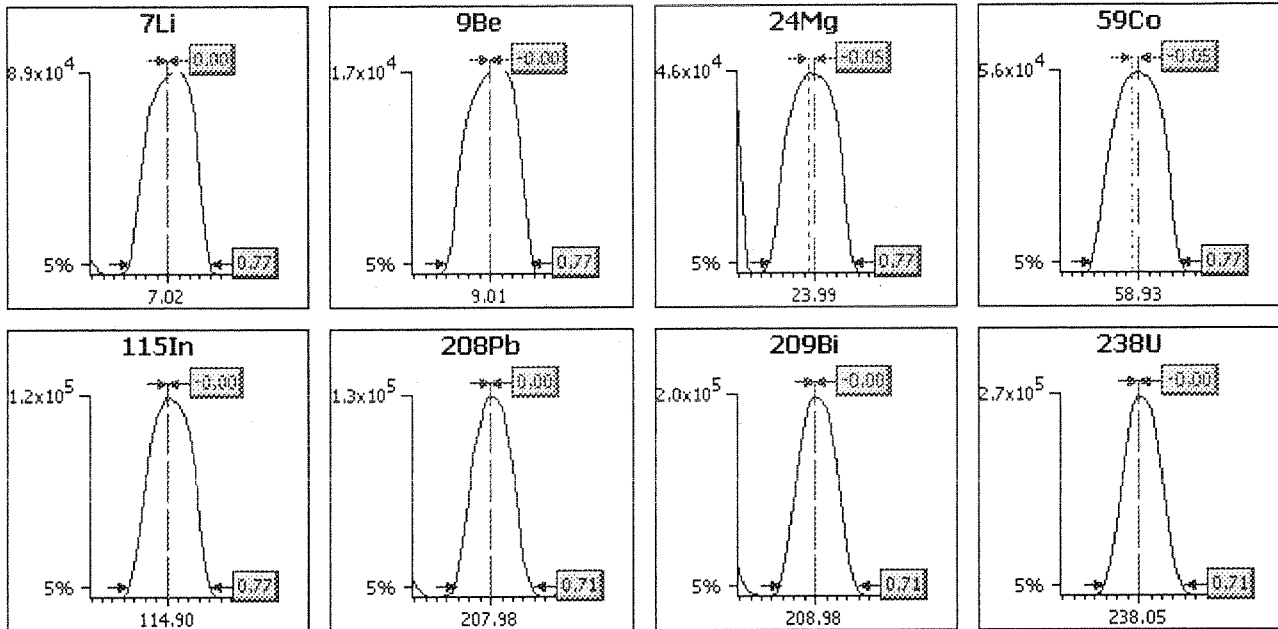
#### Acquisition parameters

Sweeps : 100

Dwell : 1.0 mSecs

Point spacing : 0.05 amu

Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.90	0.60	0.10	0.77	0.00
9Be	0.90	0.60	0.10	0.77	-0.00
24Mg	0.90	0.60	0.10	0.77	-0.05
59Co	0.90	0.60	0.10	0.77	-0.05
115In	0.90	0.60	0.10	0.77	-0.00
208Pb	0.90	0.60	0.10	0.71	0.00
209Bi	0.90	0.60	0.10	0.71	-0.00
238U	0.90	0.60	0.10	0.71	-0.00

**Sample details**

Acquired at : 05/18/2010 11:13:42 AM

Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

**Tune conditions**

Major		Minor		Global		Add. Gases
Extraction	-141	Lens 2	-18.0	Standard resolution	115	
Lens 1	3.8	Lens 3	-176.5	High resolution	105	
Focus	19.8	Forward power	1200	Analogue Detector	2000	
D1	-37.6	Horizontal	110	PC Detector	3422	
Pole Bias	1.2	Vertical	0			
Hexapole Bias	4.7	D2	-151			
Nebuliser	0.72	DA	-42.4			
Sampling Depth	20	Cool	13.0			
		Auxiliary	0.67			

**Sensitivity and stability results****Acquisition parameters**

Sweeps : 400

Run	Time	5Bkg	7Li	9Be	24Mg	59Co	115In	140Ce	156Ce O	208Pb
Dwell (mSecs)		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	-	5.0%
	Countrate	-	>1000	>1000	>1000	>1000	>1000	-	-	>1000
1	11:14:14 AM	0.250	88675.889	17515.107	45733.497	55758.473	124138.07	132868.68	2222.772	130042.76
2	11:15:28 AM	0.000	89436.536	17465.511	45906.114	55611.325	124335.49	133844.59	2247.028	131188.29
3	11:16:41 AM	0.000	89294.146	17535.897	45737.014	55592.209	124269.34	133638.09	2236.275	131165.46
4	11:17:54 AM	0.250	89345.144	17536.398	45955.361	55963.728	124309.38	133951.65	2279.786	130609.55
5	11:19:07 AM	0.000	89997.784	17596.514	46131.500	56257.533	125207.84	134767.58	2283.787	131912.66
x		0.100	89349.900	17529.885	45892.697	55836.654	124452.02	133814.12	2253.929	130983.74
$\sigma$		0.14	470.29	47.12	166.37	278.35	429.28	680.77	26.88	700.58
%RSD		136.931	0.526	0.269	0.363	0.499	0.345	0.509	1.193	0.535

Run	Time	209Bi	220Bkg	238U
Dwell (mSecs)		10.0	10.0	10.0
Limits	%RSD	5.0%	-	5.0%
	Countrate	>1000	-	>1000
1	11:14:14 AM	199671.97	0.500	278725.06
2	11:15:28 AM	200475.62	0.250	279374.54
3	11:16:41 AM	200210.37	0.000	278976.34
4	11:17:54 AM	200088.99	0.500	278626.87
5	11:19:07 AM	200473.32	0.250	279409.60
x		200184.05	0.300	279022.48
$\sigma$		331.91	0.21	360.87
%RSD		0.166	69.722	0.129

**Ratio results**

Run	Time	156Ce O/140Ce
Ratio limits		<0.0200
1	11:14:14 AM	0.017
2	11:15:28 AM	0.017
3	11:16:41 AM	0.017
4	11:17:54 AM	0.017
5	11:19:07 AM	0.017
x		0.0168
$\sigma$		0.00
%RSD		0.7835

Result : The performance report passed.

## Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	Cal. Blk	Blank	1.000	0	1	1	150
2	Cal. Stn	Fully Quant Standard	1.000	0	1	2	150
3	ICV1	Unknown	1.000	0	1	3	150
4	CCV1	Unknown	1.000	0	1	2	150
5	ICB1	Unknown	1.000	0	1	1	150
6	CCB1	Unknown	1.000	0	1	1	150
7	CRA	Unknown	1.000	0	1	4	150
8	ICSA	Unknown	1.000	0	1	5	150
9	ICSAB	Unknown	1.000	0	1	6	150
10	K1004510-002 DISS	Unknown	1.000	1	3	4	150
11	K1004510-003 DISS	Unknown	1.000	1	3	5	150
12	K1004575-001	Unknown	1.000	1	3	6	150
13	K1004575-001D	Unknown	1.000	1	3	7	150
14	K1004575-001S	Unknown	1.000	1	3	8	150
15	K1004575-002	Unknown	1.000	1	3	9	150
16	K1004575-003	Unknown	1.000	1	3	10	150
17	CCV2	Unknown	1.000	0	1	2	150
18	CCB2	Unknown	1.000	0	1	1	150
19	K1004575-004	Unknown	1.000	1	3	11	150
20	K1004635-001	Unknown	1.000	1	3	12	150
21	K1004635-002	Unknown	1.000	1	4	1	150
22	K1004635-003	Unknown	1.000	1	4	2	150
23	K1004170-MB	Unknown	1.000	1	4	3	150
24	LCSW	Unknown	1.000	1	4	4	150
25	K1004170-001	Unknown	1.000	1	4	5	150
26	K1004170-001 1/5L	Unknown	1.000	1	4	6	150
27	K1004170-001A	Unknown	1.000	1	4	7	150
28	K1004544-018	Unknown	1.000	1	4	8	150
29	CCV3	Unknown	1.000	0	1	2	150
30	CCB3	Unknown	1.000	0	1	1	150
31	K1004544-018D	Unknown	1.000	1	4	9	150
32	K1004544-018S	Unknown	1.000	1	4	10	150
33	K1004116-MB	Unknown	1.000	1	4	11	150
34	LCSW	Unknown	1.000	1	4	12	150
35	K1004116-001	Unknown	1.000	1	5	1	150
36	K1004116-001D	Unknown	1.000	1	5	2	150
37	K1004116-001 1/5L	Unknown	1.000	1	5	3	150
38	K1004116-001A	Unknown	1.000	1	5	4	150
39	K1004116-001S	Unknown	1.000	1	5	5	150
40	K1004116-002	Unknown	1.000	1	5	6	150
41	CCV4	Unknown	1.000	0	1	2	150
42	CCB4	Unknown	1.000	0	1	1	150
43	K1004116-003	Unknown	1.000	1	5	7	150
44	K1004116-004	Unknown	1.000	1	5	8	150
45	K1004216-001	Unknown	1.000	1	5	9	150
46	K1004216-002	Unknown	1.000	1	5	10	150
47	K1004216-003	Unknown	1.000	1	5	11	150
48	K1004216-004	Unknown	1.000	1	5	12	150
49	K1004216-005	Unknown	1.000	2	1	1	150
50	K1004216-006	Unknown	1.000	2	1	2	150
51	K1004252-001	Unknown	1.000	2	1	3	150
52	K1004252-002	Unknown	1.000	2	1	4	150
53	CCV5	Unknown	1.000	0	1	2	150
54	CCB5	Unknown	1.000	0	1	1	150

## Dilution Corrected Concentrations

Cal. Blk 05/18/2010 01:59:19 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:59:19	-0.0136	0.0039	0.0316	0.0037	0.0191	0.0109	100.6%	99.3%
2	13:59:41	0.0090	0.0044	-0.0171	-0.0127	0.0009	0.0028	99.3%	100.0%
3	14:00:02	0.0046	-0.0083	-0.0145	0.0090	-0.0200	-0.0137	100.0%	100.7%
x		0.0000	-0.0000	0.0000	-0.0000	-0.0000	0.0000	100.0%	100.0%
$\sigma$		0.0120	0.0072	0.0274	0.0113	0.0195	0.0125	0.6%	0.7%
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6	0.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	13:59:19	0.0024	-0.0069	0.0004					
2	13:59:41	-0.0048	0.0017	-0.0020					
3	14:00:02	0.0024	0.0053	0.0016					
x		0.0000	-0.0000	-0.0000					
$\sigma$		0.0042	0.0063	0.0019					
%RSD		0.0000	0.0000	0.0000					

Cal. Stn 05/18/2010 02:03:45 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:03:45	24.9946	24.8796	24.9466	24.9814	24.2766	24.3606	96.0%	93.6%
2	14:04:07	25.1038	25.3922	25.2623	24.7325	25.1707	25.3849	96.1%	95.4%
3	14:04:29	24.9015	24.7282	24.7911	25.2861	25.5527	25.2545	97.4%	98.2%
x		25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	96.5%	95.8%
$\sigma$		0.1013	0.3480	0.2401	0.2773	0.6550	0.5576	0.7%	2.3%
%RSD		0.4050	1.3920	0.9602	1.1092	2.6199	2.2303	0.8	2.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:03:45	24.7006	24.8169	24.7866					
2	14:04:07	25.2249	25.1701	25.1702					
3	14:04:29	25.0745	25.0131	25.0432					
x		25.0000	25.0000	25.0000					
$\sigma$		0.2700	0.1770	0.1954					
%RSD		1.0799	0.7079	0.7817					

ICV1 05/18/2010 02:06:25 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:06:25	24.7085	12.5906	12.5140	25.6543	27.7287	26.8608	96.4%	95.8%
2	14:06:46	25.0406	12.5430	12.7820	25.6634	29.0363	27.8894	96.6%	95.9%
3	14:07:08	25.0974	12.6295	12.5317	26.5199	29.0545	27.4755	96.0%	98.0%
x		24.9488	12.5877	12.6092	25.9459	28.6065	27.4086	96.3%	96.6%
$\sigma$		0.2101	0.0433	0.1499	0.4971	0.7602	0.5176	0.3%	1.3%
%RSD		0.8420	0.3441	1.1887	1.9161	2.6575	1.8884	0.3	1.3
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:06:25	23.1397	25.8808	24.5840					
2	14:06:46	23.8328	26.8812	25.3900					
3	14:07:08	23.4328	26.4787	25.1394					
x		23.4684	26.4136	25.0378					
$\sigma$		0.3479	0.5034	0.4125					
%RSD		1.4825	1.9058	1.6474					

CCV1 05/18/2010 02:09:05 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:09:05	23.7434	24.0382	24.0688	24.5512	23.8701	23.5751	96.4%	95.3%
2	14:09:27	24.7492	24.9016	24.5182	25.4649	25.0085	24.7740	95.2%	97.0%
3	14:09:49	24.5399	24.3317	24.6382	25.4824	25.0520	24.8741	95.2%	98.1%
x		24.3441	24.4238	24.4084	25.1662	24.6435	24.4077	95.6%	96.8%
$\sigma$		0.5307	0.4390	0.3001	0.5326	0.6702	0.7228	0.7%	1.4%
%RSD		2.1799	1.7975	1.2297	2.1165	2.7194	2.9613	0.7	1.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:09:05	24.3167	24.4422	24.4217					
2	14:09:27	25.1278	25.0645	25.0828					
3	14:09:49	25.0939	25.3140	25.1674					
x		24.8462	24.9402	24.8907					
$\sigma$		0.4588	0.4490	0.4083					
%RSD		1.8466	1.8004	1.6405					

ICB1 05/18/2010 02:11:44 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:44	0.0281	0.0598	0.0338	-0.0083	0.1106	0.0131	95.6%	95.5%
2	14:12:06	-0.0473	0.0660	0.0029	0.0060	0.0172	0.0039	95.1%	95.5%
3	14:12:28	-0.0279	0.0393	0.0185	0.0273	-0.0142	-0.0080	95.0%	97.2%
x		-0.0157	0.0550	0.0184	0.0084	0.0379	0.0030	95.2%	96.0%
$\sigma$		0.0392	0.0140	0.0154	0.0179	0.0649	0.0106	0.3%	1.0%
%RSD		249.6706	25.3996	83.6982	213.8612	171.3765	356.7209	0.3	1.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:11:44	0.0003	-0.0062	-0.0004					
2	14:12:06	-0.0037	0.0037	0.0010					
3	14:12:28	0.0044	0.0013	0.0029					
x		0.0003	-0.0004	0.0012					
$\sigma$		0.0040	0.0052	0.0016					
%RSD		1177.2311	1296.8851	139.8417					

CCB1 05/18/2010 02:14:32 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:32	-0.0258	0.0760	-0.0020	-0.0012	0.0271	-0.0108	95.5%	94.8%
2	14:14:53	-0.0633	0.0462	0.0197	-0.0063	0.0277	0.0087	95.1%	95.9%
3	14:15:15	-0.0240	0.0411	0.0128	-0.0116	0.0068	-0.0129	95.1%	97.1%
x		-0.0377	0.0544	0.0102	-0.0064	0.0205	-0.0050	95.2%	95.9%
$\sigma$		0.0222	0.0188	0.0111	0.0052	0.0119	0.0119	0.2%	1.2%
%RSD		58.8063	34.5888	108.8152	82.0280	58.0289	238.6149	0.2	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:14:32	-0.0035	-0.0038	-0.0019					
2	14:14:53	-0.0027	-0.0060	-0.0045					
3	14:15:15	-0.0041	-0.0049	-0.0043					
x		-0.0034	-0.0049	-0.0036					
$\sigma$		0.0007	0.0011	0.0014					
%RSD		21.2324	22.4225	40.2324					



**CRA** 05/18/2010 02:17:12 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:17:12	0.1654	0.1746	0.1019	0.5040	0.4637	0.5702	95.9%	95.3%
2	14:17:34	0.1659	0.1853	0.0924	0.5724	0.4350	0.4561	93.7%	95.9%
3	14:17:56	0.1396	0.1436	0.0787	0.5668	0.3375	0.5248	94.0%	96.4%
x		0.1569	0.1678	0.0910	0.5477	0.4121	0.5170	94.6%	95.9%
σ		0.0151	0.0216	0.0116	0.0379	0.0661	0.0574	1.2%	0.5%
%RSD		9.5983	12.8986	12.7905	6.9279	16.0513	11.1076	1.3	0.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:17:12	0.0160	0.0134	0.0196					
2	14:17:34	0.0193	0.0083	0.0151					
3	14:17:56	0.0191	0.0198	0.0204					
x		0.0181	0.0139	0.0184					
σ		0.0019	0.0058	0.0029					
%RSD		10.2936	41.5950	15.6354					

**ICSA** 05/18/2010 02:19:54 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:54	-0.1724	0.4742	1.0301	1.5469	1.5574	1.2326	82.3%	84.4%
2	14:20:16	-0.0235	0.5102	0.9649	1.5415	1.3145	1.2492	80.2%	83.2%
3	14:20:38	0.0699	0.4721	1.0074	1.6207	1.5620	1.2430	78.5%	83.5%
x		-0.0420	0.4855	1.0008	1.5697	1.4780	1.2416	80.3%	83.7%
σ		0.1222	0.0214	0.0331	0.0443	0.1416	0.0084	1.9%	0.6%
%RSD		290.8890	4.4081	3.3072	2.8195	9.5804	0.6756	2.3	0.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:19:54	0.1155	0.1427	0.1295					
2	14:20:16	0.1326	0.1380	0.1327					
3	14:20:38	0.1146	0.1253	0.1231					
x		0.1209	0.1353	0.1284					
σ		0.0102	0.0090	0.0048					
%RSD		8.4025	6.6796	3.7656					

**ICSAB** 05/18/2010 02:22:36 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:22:36	44.2719	42.9428	43.7839	23.1720	24.1876	22.3607	78.7%	81.7%
2	14:22:58	45.8052	43.4714	44.4087	24.0598	24.8165	23.3607	76.8%	81.3%
3	14:23:20	45.7763	43.2626	43.9563	24.5069	25.3979	22.8083	76.2%	81.9%
x		45.2845	43.2256	44.0496	23.9129	24.8007	22.8432	77.2%	81.6%
σ		0.8770	0.2662	0.3227	0.6795	0.6053	0.5009	1.3%	0.3%
%RSD		1.9367	0.6159	0.7326	2.8415	2.4407	2.1927	1.7	0.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:22:36	0.1295	0.1685	0.1472					
2	14:22:58	0.1283	0.1317	0.1416					
3	14:23:20	0.1212	0.1416	0.1336					
x		0.1263	0.1473	0.1408					
σ		0.0045	0.0190	0.0068					
%RSD		3.5687	12.9179	4.8534					

**K1004510-002 DISS** 05/18/2010 02:25:18 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:25:18	-0.0062	0.1693	0.1085	0.3391	0.3209	0.4602	79.8%	83.2%
2	14:25:40	0.0019	0.2020	0.1381	0.4377	0.3557	0.3575	80.2%	83.9%
3	14:26:02	0.0735	0.1773	0.1053	0.4273	0.3412	0.4180	80.6%	86.0%
x		0.0231	0.1829	0.1173	0.4014	0.3393	0.4119	80.2%	84.4%
σ		0.0439	0.0171	0.0181	0.0542	0.0175	0.0516	0.4%	1.4%
%RSD		190.1326	9.3434	15.3982	13.4992	5.1609	12.5255	0.5	1.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:25:18	-0.0047	-0.0017	-0.0037					
2	14:25:40	-0.0014	-0.0019	-0.0036					
3	14:26:02	-0.0043	-0.0105	-0.0062					
x		-0.0035	-0.0047	-0.0045					
σ		0.0018	0.0050	0.0015					
%RSD		51.3798	106.6489	32.3766					

**K1004510-003 DISS** 05/18/2010 02:28:00 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:00	0.0301	0.9237	0.9186	7.6916	7.0790	7.5683	88.9%	90.3%
2	14:28:22	-0.0134	1.0278	1.1396	8.0398	7.5375	8.1951	87.9%	91.2%
3	14:28:43	-0.0603	0.9372	0.9804	8.0716	8.1173	8.1877	88.9%	93.0%
x		-0.0145	0.9629	1.0129	7.9343	7.5779	7.9837	88.6%	91.5%
σ		0.0452	0.0566	0.1140	0.2108	0.5203	0.3598	0.6%	1.4%
%RSD		310.7992	5.8795	11.2545	2.6572	6.8665	4.5065	0.6	1.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:28:00	0.0076	0.0063	0.0105					
2	14:28:22	0.0101	0.0105	0.0124					
3	14:28:43	0.0102	0.0101	0.0089					
x		0.0093	0.0090	0.0106					
σ		0.0015	0.0023	0.0017					
%RSD		16.2584	25.8216	16.5340					

**K1004575-001** 05/18/2010 02:30:40 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:40	1.7941	2.2412	2.4835	5.5584	10.1988	9.4898	88.2%	90.7%
2	14:31:02	1.8745	2.3875	2.5577	6.1667	11.2354	9.5421	85.6%	89.8%
3	14:31:24	1.9996	2.3484	2.6341	6.3221	10.3870	9.8337	83.9%	89.4%
x		1.8894	2.3257	2.5584	6.0157	10.6071	9.6219	85.9%	90.0%
σ		0.1036	0.0757	0.0753	0.4036	0.5522	0.1853	2.1%	0.7%
%RSD		5.4810	3.2568	2.9428	6.7095	5.2063	1.9263	2.5	0.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:30:40	0.5909	0.6641	0.6609					
2	14:31:02	0.6163	0.7242	0.6868					
3	14:31:24	0.6647	0.7095	0.7037					
x		0.6240	0.6993	0.6838					
σ		0.0375	0.0313	0.0216					
%RSD		6.0089	4.4830	3.1560					

**K1004575-001D** 05/18/2010 02:33:27 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:33:27	1.7959	2.2745	2.6899	5.6677	10.8295	9.7211	83.8%	87.1%
2	14:33:50	1.9234	2.2612	2.6172	5.7864	9.9666	9.1630	84.0%	88.0%
3	14:34:11	1.8709	2.3332	2.4806	5.5338	10.7347	9.3342	83.4%	89.2%
x		1.8634	2.2897	2.5959	5.6626	10.5103	9.4061	83.7%	88.1%
σ		0.0641	0.0383	0.1063	0.1264	0.4732	0.2859	0.3%	1.0%
%RSD		3.4394	1.6735	4.0935	2.2315	4.5021	3.0399	0.4	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:33:27	0.6280	0.6923	0.6716					
2	14:33:50	0.6473	0.7012	0.6911					
3	14:34:11	0.6214	0.7035	0.6774					
x		0.6322	0.6990	0.6800					
σ		0.0135	0.0059	0.0100					
%RSD		2.1326	0.8428	1.4739					

**K1004575-001S** 05/18/2010 02:36:09 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:09	21.4868	21.4305	22.0453	25.1248	30.0038	28.7528	82.9%	84.9%
2	14:36:32	21.9880	21.1871	21.9082	26.0833	30.6616	29.2027	82.3%	86.9%
3	14:36:53	21.5313	20.9471	21.8099	25.0571	30.7639	29.1239	82.6%	88.1%
x		21.6687	21.1883	21.9211	25.4217	30.4765	29.0265	82.6%	86.7%
σ		0.2774	0.2417	0.1183	0.5740	0.4125	0.2402	0.3%	1.6%
%RSD		1.2802	1.1407	0.5395	2.2578	1.3535	0.8277	0.3	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:36:09	20.3642	20.7903	20.5329					
2	14:36:32	20.6815	20.7330	20.6156					
3	14:36:53	20.5965	20.5434	20.5760					
x		20.5474	20.6889	20.5748					
σ		0.1642	0.1292	0.0413					
%RSD		0.7993	0.6247	0.2010					

**K1004575-002** 05/18/2010 02:38:58 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:38:58	0.6669	0.9740	1.5306	1.5298	6.1462	4.2662	74.5%	79.9%
2	14:39:20	0.7510	0.8866	1.4175	1.4308	6.3067	4.2758	75.3%	81.9%
3	14:39:42	0.7227	0.8968	1.3192	1.3742	5.7424	4.1318	76.4%	83.4%
x		0.7136	0.9191	1.4224	1.4449	6.0651	4.2246	75.4%	81.7%
σ		0.0428	0.0478	0.1058	0.0787	0.2908	0.0805	0.9%	1.8%
%RSD		5.9963	5.1989	7.4377	5.4499	4.7945	1.9058	1.3	2.1
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:38:58	0.0334	0.0345	0.0353					
2	14:39:20	0.0367	0.0461	0.0427					
3	14:39:42	0.0330	0.0346	0.0376					
x		0.0344	0.0384	0.0385					
σ		0.0020	0.0067	0.0038					
%RSD		5.9238	17.3816	9.8697					

K1004575-003 05/18/2010 02:41:40 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:40	0.5965	0.9210	1.5992	1.5629	6.3929	4.2978	74.7%	78.9%
2	14:42:01	0.6950	0.9639	1.5530	1.5921	6.2320	4.4320	74.7%	80.2%
3	14:42:24	0.8013	0.9093	1.3838	1.5242	5.8551	4.1681	75.9%	82.1%
x		0.6976	0.9314	1.5120	1.5597	6.1600	4.2993	75.1%	80.4%
σ		0.1024	0.0287	0.1134	0.0341	0.2760	0.1320	0.7%	1.6%
%RSD		14.6779	3.0810	7.5018	2.1837	4.4812	3.0700	0.9	2.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:41:40	0.0514	0.0608	0.0562					
2	14:42:01	0.0787	0.0649	0.0666					
3	14:42:24	0.0444	0.0644	0.0578					
x		0.0582	0.0634	0.0602					
σ		0.0181	0.0022	0.0056					
%RSD		31.1794	3.5409	9.2890					

CCV2 05/18/2010 02:44:21 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:44:21	25.4538	25.9768	26.2795	25.5199	25.9435	24.8766	86.3%	85.4%
2	14:44:43	25.0081	25.8891	25.5432	24.9081	25.5470	25.0502	87.8%	88.0%
3	14:45:05	24.9670	25.1538	25.7091	25.3143	25.1883	24.9837	88.2%	90.1%
x		25.1429	25.6732	25.8439	25.2474	25.5596	24.9702	87.4%	87.8%
σ		0.2700	0.4520	0.3862	0.3114	0.3778	0.0876	1.0%	2.3%
%RSD		1.0738	1.7604	1.4944	1.2332	1.4780	0.3508	1.1	2.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:44:21	25.3170	25.5203	25.3763					
2	14:44:43	25.4436	25.5644	25.4855					
3	14:45:05	25.1686	25.2234	25.1412					
x		25.3097	25.4360	25.3344					
σ		0.1376	0.1855	0.1759					
%RSD		0.5438	0.7291	0.6945					

CCB2 05/18/2010 02:47:01 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:01	-0.0527	0.1235	0.0829	-0.0011	0.1966	0.0019	85.7%	84.6%
2	14:47:23	-0.0740	0.0991	0.0386	-0.0012	0.0791	0.0043	86.0%	86.5%
3	14:47:45	-0.0271	0.0946	0.0258	-0.0209	0.0774	-0.0043	86.8%	88.5%
x		-0.0512	0.1057	0.0491	-0.0077	0.1177	0.0007	86.2%	86.5%
σ		0.0235	0.0156	0.0300	0.0114	0.0683	0.0044	0.5%	1.9%
%RSD		45.8060	14.7097	61.0291	147.5296	58.0294	679.3056	0.6	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:47:01	0.0021	0.0069	0.0042					
2	14:47:23	0.0098	0.0093	0.0076					
3	14:47:45	0.0029	0.0063	0.0058					
x		0.0049	0.0075	0.0058					
σ		0.0042	0.0016	0.0017					
%RSD		85.7135	20.9226	29.2630					

**K1004575-004** 05/18/2010 02:49:41 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:49:41	-0.0397	0.1917	0.0593	0.3460	0.3356	0.4038	85.8%	85.8%
2	14:50:04	0.0125	0.1394	0.0567	0.3191	0.5042	0.3703	86.6%	87.0%
3	14:50:25	0.0447	0.1420	0.0530	0.3562	0.3226	0.3256	88.3%	89.0%
x		0.0058	0.1577	0.0563	0.3404	0.3875	0.3666	86.9%	87.3%
σ		0.0426	0.0295	0.0032	0.0192	0.1013	0.0392	1.3%	1.6%
%RSD		731.6525	18.6802	5.6266	5.6260	26.1503	10.6962	1.5	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:49:41	0.0079	0.0113	0.0137					
2	14:50:04	0.0102	0.0147	0.0134					
3	14:50:25	0.0168	0.0136	0.0144					
x		0.0116	0.0132	0.0138					
σ		0.0046	0.0017	0.0005					
%RSD		39.6195	13.0518	3.5966					

**K1004635-001** 05/18/2010 02:52:36 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:36	0.8850	0.5433	0.9170	0.7399	3.5129	2.6669	85.0%	86.7%
2	14:52:57	0.9582	0.5748	0.9006	0.7631	3.4730	2.5879	84.0%	88.3%
3	14:53:20	0.8406	0.5092	0.9708	0.7887	3.8392	2.5836	84.0%	88.6%
x		0.8946	0.5424	0.9295	0.7639	3.6084	2.6128	84.3%	87.9%
σ		0.0594	0.0328	0.0367	0.0244	0.2009	0.0469	0.6%	1.0%
%RSD		6.6382	6.0499	3.9492	3.1954	5.5668	1.7944	0.7	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:52:36	0.0082	0.0177	0.0107					
2	14:52:57	0.0093	0.0180	0.0154					
3	14:53:20	0.0140	0.0166	0.0161					
x		0.0105	0.0175	0.0141					
σ		0.0031	0.0007	0.0029					
%RSD		29.3825	4.2824	20.7179					

**K1004635-002** 05/18/2010 02:55:17 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:17	0.0134	0.1909	0.0710	0.6994	0.6522	0.6055	91.9%	88.5%
2	14:55:39	0.0073	0.1682	0.0600	0.7038	0.7808	0.6232	93.2%	91.2%
3	14:56:00	0.0106	0.1135	0.1092	0.6989	0.6483	0.6775	95.0%	93.5%
x		0.0104	0.1576	0.0801	0.7007	0.6938	0.6354	93.4%	91.1%
σ		0.0030	0.0398	0.0258	0.0027	0.0754	0.0376	1.5%	2.5%
%RSD		29.0898	25.2357	32.2212	0.3855	10.8724	5.9114	1.6	2.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:55:17	-0.0014	-0.0020	0.0008					
2	14:55:39	0.0046	0.0020	0.0023					
3	14:56:00	0.0089	0.0030	0.0072					
x		0.0040	0.0010	0.0035					
σ		0.0051	0.0027	0.0034					
%RSD		127.4363	262.9363	97.4622					

K1004635-003 05/18/2010 02:58:05 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:58:05	1.3272	0.9597	1.5555	1.6512	13.2540	9.6425	73.2%	79.5%
2	14:58:27	1.3233	0.8795	1.3563	1.5695	12.0339	9.3015	74.3%	80.5%
3	14:58:48	1.2357	0.9501	1.4562	1.6884	12.6674	9.2799	73.7%	82.5%
x		1.2954	0.9297	1.4560	1.6364	12.6517	9.4080	73.7%	80.8%
$\sigma$		0.0517	0.0438	0.0996	0.0608	0.6102	0.2034	0.6%	1.5%
%RSD		3.9925	4.7108	6.8376	3.7176	4.8231	2.1622	0.8	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:58:05	0.4216	0.5007	0.4710					
2	14:58:27	0.4582	0.4875	0.4868					
3	14:58:48	0.4438	0.5056	0.4852					
x		0.4412	0.4979	0.4810					
$\sigma$		0.0184	0.0094	0.0087					
%RSD		4.1771	1.8855	1.8114					

K1004170-MB 05/18/2010 03:00:51 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:51	-0.0148	0.1246	0.0287	0.0099	0.1689	0.0476	83.6%	84.5%
2	15:01:13	0.0226	0.1163	-0.0039	0.0028	0.1379	0.0311	85.8%	86.0%
3	15:01:35	-0.0281	0.0611	0.0267	0.0239	0.1591	-0.0040	86.4%	88.2%
x		-0.0068	0.1006	0.0172	0.0122	0.1553	0.0249	85.3%	86.2%
$\sigma$		0.0263	0.0345	0.0183	0.0108	0.0159	0.0264	1.5%	1.9%
%RSD		389.4625	34.3137	106.3745	88.1657	10.2104	105.8406	1.8	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:00:51	-0.0060	-0.0047	-0.0020					
2	15:01:13	-0.0015	-0.0052	-0.0032					
3	15:01:35	-0.0040	-0.0019	-0.0022					
x		-0.0038	-0.0039	-0.0025					
$\sigma$		0.0023	0.0018	0.0006					
%RSD		59.8458	44.9062	25.7331					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:32	20.9272	20.9007	21.0246	20.9617	20.3509	20.4253	84.3%	85.0%
2	15:03:54	20.4299	20.8511	20.9894	21.1131	20.6560	20.3706	85.5%	86.8%
3	15:04:16	19.9899	20.5081	20.4194	20.9861	20.7263	20.8914	86.4%	88.8%
x		20.4490	20.7533	20.8111	21.0203	20.5777	20.5624	85.4%	86.9%
$\sigma$		0.4689	0.2138	0.3397	0.0813	0.1996	0.2862	1.0%	1.9%
%RSD		2.2932	1.0300	1.6324	0.3868	0.9698	1.3917	1.2	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:03:32	20.2880	20.3668	20.3311					
2	15:03:54	20.5028	20.5135	20.4840					
3	15:04:16	20.3650	20.5505	20.3970					
x		20.3853	20.4769	20.4040					
$\sigma$		0.1088	0.0971	0.0767					
%RSD		0.5338	0.4744	0.3759					

K1004170-001 05/18/2010 03:06:19 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:19	1.6426	16.0445	16.4060	112.8488	99.3613	109.6163	80.9%	83.3%
2	15:06:41	1.3801	16.1301	16.0423	114.5886	101.2174	112.2127	81.8%	85.1%
3	15:07:03	1.5577	16.1568	16.2301	115.7950	104.3366	111.7626	81.7%	87.0%
x		1.5268	16.1105	16.2261	114.4108	101.6384	111.1972	81.5%	85.1%
σ		0.1339	0.0587	0.1819	1.4811	2.5142	1.3875	0.5%	1.9%
%RSD		8.7723	0.3642	1.1211	1.2946	2.4737	1.2478	0.6	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:06:19	4.7982	5.2620	5.1381					
2	15:06:41	4.9828	5.5207	5.2828					
3	15:07:03	4.8999	5.4550	5.2272					
x		4.8936	5.4126	5.2160					
σ		0.0925	0.1345	0.0730					
%RSD		1.8896	2.4843	1.4001					

K1004170-001 1/5L 05/18/2010 03:09:01 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:01	0.4601	3.4096	3.2693	23.5435	21.1108	22.9751	81.5%	82.4%
2	15:09:23	0.2693	3.1411	3.2254	23.5469	20.1838	23.0198	84.4%	87.1%
3	15:09:45	0.3609	3.1853	3.1774	24.0422	21.2098	22.7882	84.0%	89.2%
x		0.3634	3.2453	3.2240	23.7109	20.8348	22.9277	83.3%	86.2%
σ		0.0954	0.1440	0.0459	0.2870	0.5660	0.1229	1.6%	3.5%
%RSD		26.2618	4.4364	1.4249	1.2102	2.7164	0.5360	1.9	4.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:09:01	0.9749	1.1076	1.0554					
2	15:09:23	0.9590	1.0842	1.0187					
3	15:09:45	0.9402	1.0711	1.0306					
x		0.9581	1.0876	1.0349					
σ		0.0174	0.0185	0.0187					
%RSD		1.8125	1.7011	1.8093					

K1004170-001A 05/18/2010 03:11:43 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:43	22.9314	38.9092	39.3620	143.4037	132.7630	138.9590	77.6%	82.1%
2	15:12:04	22.4447	37.5930	38.3604	139.6895	126.2073	134.7151	79.7%	85.2%
3	15:12:25	21.6276	35.7677	36.3878	134.1507	122.6211	131.4480	82.0%	86.7%
x		22.3346	37.4233	38.0368	139.0813	127.1971	135.0407	79.8%	84.7%
σ		0.6589	1.5776	1.5133	4.6564	5.1429	3.7661	2.2%	2.3%
%RSD		2.9499	4.2156	3.9784	3.3480	4.0433	2.7888	2.7	2.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:11:43	26.6070	27.3086	26.9830					
2	15:12:04	26.1709	26.8981	26.5079					
3	15:12:25	25.8358	26.2730	26.1989					
x		26.2046	26.8266	26.5633					
σ		0.3867	0.5215	0.3949					
%RSD		1.4757	1.9440	1.4868					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:27	0.0757	0.2749	0.5391	1.8127	5.7059	4.7248	82.8%	84.8%
2	15:14:49	0.1330	0.2780	0.4936	1.7340	5.1346	4.6856	84.0%	87.6%
3	15:15:11	0.0621	0.2367	0.4114	1.7514	5.4364	4.5873	85.8%	89.2%
x		0.0903	0.2632	0.4814	1.7661	5.4257	4.6659	84.2%	87.2%
σ		0.0376	0.0230	0.0648	0.0413	0.2858	0.0709	1.5%	2.2%
%RSD		41.6827	8.7328	13.4521	2.3411	5.2678	1.5187	1.8	2.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:14:27	0.0065	-0.0002	0.0023					
2	15:14:49	0.0047	0.0104	0.0049					
3	15:15:11	-0.0004	0.0001	0.0010					
x		0.0036	0.0034	0.0027					
σ		0.0035	0.0060	0.0020					
%RSD		98.4383	175.8409	72.4568					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:15	26.9068	27.2996	26.9466	26.0672	25.1337	25.8578	87.6%	86.3%
2	15:17:37	26.0686	26.4634	26.5234	25.6660	25.0952	25.8440	88.9%	89.7%
3	15:17:59	25.4017	25.7999	25.5155	25.3277	25.3118	25.3033	90.6%	91.6%
x		26.1257	26.5210	26.3285	25.6870	25.1803	25.6684	89.0%	89.2%
σ		0.7542	0.7515	0.7352	0.3702	0.1155	0.3163	1.5%	2.7%
%RSD		2.8867	2.8337	2.7924	1.4413	0.4588	1.2321	1.7	3.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:17:15	26.3677	26.5199	26.5074					
2	15:17:37	25.9538	26.0479	25.9838					
3	15:17:59	25.4860	25.5520	25.4559					
x		25.9359	26.0400	25.9824					
σ		0.4411	0.4840	0.5257					
%RSD		1.7008	1.8587	2.0234					

CCB3 05/18/2010 03:19:55 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:19:55	0.0487	0.1042	-0.0198	-0.0056	0.0074	0.0083	87.4%	86.7%
2	15:20:17	0.0554	0.0858	-0.0148	0.0016	0.0057	0.0279	88.5%	89.2%
3	15:20:39	-0.0125	0.0849	0.0359	-0.0039	0.0518	0.0233	88.0%	90.5%
x		0.0305	0.0916	0.0004	-0.0026	0.0216	0.0198	87.9%	88.8%
σ		0.0374	0.0109	0.0308	0.0038	0.0261	0.0102	0.6%	2.0%
%RSD		122.6890	11.8649	7487.6020	143.2591	121.0155	51.6578	0.6	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:19:55	-0.0066	-0.0074	-0.0017					
2	15:20:17	0.0008	-0.0007	-0.0005					
3	15:20:39	0.0039	-0.0059	0.0007					
x		-0.0006	-0.0047	-0.0005					
σ		0.0054	0.0035	0.0012					
%RSD		870.4460	75.5176	230.1849					



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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:36	0.1456	0.2827	0.4063	1.6419	5.7064	4.4366	86.2%	87.4%
2	15:22:58	0.0591	0.2641	0.4573	1.6683	5.3582	4.5402	87.0%	89.0%
3	15:23:19	0.0417	0.2546	0.4635	1.6439	4.7419	4.4612	87.9%	91.2%
x		0.0821	0.2671	0.4424	1.6514	5.2688	4.4793	87.1%	89.2%
$\sigma$		0.0557	0.0143	0.0314	0.0147	0.4884	0.0541	0.9%	1.9%
%RSD		67.7966	5.3442	7.0919	0.8888	9.2702	1.2075	1.0	2.1
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:22:36	-0.0010	-0.0016	-0.0021					
2	15:22:58	-0.0105	-0.0050	-0.0035					
3	15:23:19	-0.0074	-0.0103	-0.0053					
x		-0.0063	-0.0056	-0.0037					
$\sigma$		0.0049	0.0044	0.0016					
%RSD		76.9433	78.1118	44.2424					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:19	19.7652	20.0869	20.5203	21.0548	24.7234	23.2158	86.7%	87.6%
2	15:25:41	19.8426	19.7793	19.7873	21.2694	24.8465	23.3477	87.5%	90.0%
3	15:26:03	19.8331	19.2316	19.6185	20.8946	23.5474	23.8849	88.1%	90.9%
x		19.8136	19.6993	19.9754	21.0729	24.3724	23.4828	87.4%	89.5%
$\sigma$		0.0422	0.4333	0.4794	0.1880	0.7172	0.3545	0.7%	1.7%
%RSD		0.2131	2.1994	2.4000	0.8923	2.9425	1.5094	0.8	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:25:19	19.2554	19.5564	19.3381					
2	15:25:41	19.2929	19.3945	19.3428					
3	15:26:03	19.2013	19.1228	19.1772					
x		19.2499	19.3579	19.2860					
$\sigma$		0.0461	0.2191	0.0943					
%RSD		0.2393	1.1320	0.4888					

K1004116-MB 05/18/2010 03:28:03 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:28:03	0.0900	0.1823	0.0452	0.0400	0.0539	0.0383	92.4%	90.1%
2	15:28:25	0.1196	0.1958	0.0789	0.0188	0.0394	0.0698	94.4%	92.4%
3	15:28:47	0.0455	0.1283	0.1001	0.0382	-0.0034	0.0451	94.8%	94.0%
x		0.0850	0.1688	0.0747	0.0323	0.0300	0.0511	93.9%	92.1%
$\sigma$		0.0373	0.0357	0.0277	0.0117	0.0298	0.0166	1.3%	2.0%
%RSD		43.8276	21.1451	37.0647	36.3132	99.2501	32.4063	1.3	2.1
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:28:03	0.0005	-0.0088	-0.0023					
2	15:28:25	-0.0048	0.0073	0.0004					
3	15:28:47	-0.0016	-0.0009	-0.0014					
x		-0.0019	-0.0008	-0.0011					
$\sigma$		0.0027	0.0081	0.0014					
%RSD		139.2070	997.6639	126.1260					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:47	20.8317	21.1162	21.1256	20.4829	19.6045	20.2949	90.7%	89.5%
2	15:31:09	20.4021	20.6964	21.0081	20.5804	19.9386	20.8832	92.1%	91.8%
3	15:31:37	19.9489	19.6867	19.8957	20.1371	18.8178	19.6976	93.8%	93.6%
x		20.3942	20.4998	20.6764	20.4001	19.4536	20.2919	92.2%	91.6%
σ		0.4414	0.7347	0.6787	0.2329	0.5755	0.5928	1.6%	2.0%
%RSD		2.1645	3.5841	3.2826	1.1417	2.9581	2.9214	1.7	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:30:47	20.2466	20.2616	20.2561					
2	15:31:09	20.4084	20.5563	20.4445					
3	15:31:37	20.0495	20.2059	20.1528					
x		20.2349	20.3413	20.2845					
σ		0.1797	0.1883	0.1479					
%RSD		0.8882	0.9257	0.7291					

K1004116-001 05/18/2010 03:33:42 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:33:42	0.0377	5.9084	5.8355	30.9048	26.8925	29.5245	88.8%	89.5%
2	15:34:04	0.0804	5.8672	6.0470	31.8359	27.6106	30.7143	88.7%	91.8%
3	15:34:26	0.0742	5.8197	5.7731	31.5828	28.2074	29.9620	89.8%	92.4%
x		0.0641	5.8651	5.8852	31.4412	27.5702	30.0669	89.1%	91.2%
σ		0.0230	0.0444	0.1436	0.4814	0.6583	0.6018	0.6%	1.5%
%RSD		35.9545	0.7572	2.4397	1.5312	2.3879	2.0014	0.7	1.6
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:33:42	0.1177	0.1211	0.1214					
2	15:34:04	0.1190	0.1197	0.1230					
3	15:34:26	0.1221	0.1248	0.1299					
x		0.1196	0.1219	0.1248					
σ		0.0023	0.0026	0.0045					
%RSD		1.9218	2.1640	3.5892					

K1004116-001D 05/18/2010 03:36:23 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:23	0.0232	5.9493	5.9760	30.2329	27.0599	28.9349	87.8%	88.7%
2	15:36:44	0.0614	5.9651	5.9514	29.8141	27.0895	29.0756	88.4%	90.7%
3	15:37:06	0.1292	5.8663	5.9833	29.6063	26.2225	29.1271	89.1%	92.1%
x		0.0713	5.9269	5.9702	29.8844	26.7906	29.0459	88.4%	90.5%
σ		0.0537	0.0531	0.0167	0.3192	0.4923	0.0995	0.7%	1.7%
%RSD		75.2984	0.8953	0.2798	1.0680	1.8375	0.3425	0.8	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:36:23	0.1187	0.1401	0.1342					
2	15:36:44	0.1196	0.1203	0.1247					
3	15:37:06	0.1316	0.1398	0.1280					
x		0.1233	0.1334	0.1290					
σ		0.0072	0.0114	0.0048					
%RSD		5.8407	8.5140	3.7182					

K1004116-001 1/5L 05/18/2010 03:39:02 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:02	0.0119	1.3066	1.2657	6.4958	6.3727	6.1800	91.7%	90.1%
2	15:39:23	0.0219	1.2539	1.2222	6.3875	5.5024	6.1017	93.4%	92.9%
3	15:39:46	0.0954	1.1621	1.2338	6.2834	5.9795	6.2515	94.2%	94.9%
x		0.0431	1.2408	1.2406	6.3889	5.9515	6.1777	93.1%	92.6%
σ		0.0456	0.0731	0.0225	0.1062	0.4358	0.0749	1.3%	2.4%
%RSD		105.8243	5.8928	1.8137	1.6618	7.3225	1.2132	1.4	2.6
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:39:02	0.0139	0.0185	0.0217					
2	15:39:23	0.0264	0.0215	0.0247					
3	15:39:46	0.0249	0.0273	0.0246					
x		0.0217	0.0225	0.0237					
σ		0.0068	0.0045	0.0017					
%RSD		31.4624	19.9879	7.2873					

K1004116-001A 05/18/2010 03:41:44 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:44	22.7405	28.3940	28.5846	51.2016	47.1970	50.4278	87.1%	88.1%
2	15:42:05	22.4017	28.0217	28.9949	52.5008	48.7113	51.1295	86.7%	90.0%
3	15:42:27	22.1517	27.4510	27.9767	51.5484	47.9173	50.1991	87.4%	91.4%
x		22.4313	27.9556	28.5187	51.7503	47.9418	50.5855	87.1%	89.8%
σ		0.2955	0.4750	0.5123	0.6727	0.7575	0.4848	0.3%	1.7%
%RSD		1.3175	1.6990	1.7962	1.2999	1.5800	0.9584	0.4	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:41:44	22.0823	22.2430	22.0911					
2	15:42:05	21.9203	22.0113	22.0290					
3	15:42:27	21.8402	21.6603	21.8147					
x		21.9476	21.9716	21.9783					
σ		0.1234	0.2934	0.1450					
%RSD		0.5622	1.3353	0.6599					

K1004116-001S 05/18/2010 03:44:26 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:26	20.7440	26.3288	26.4856	49.3904	46.1404	47.9217	86.7%	88.5%
2	15:44:47	20.6661	25.8255	26.1993	50.1952	46.6553	48.9934	86.7%	89.9%
3	15:45:09	20.2024	25.4192	25.9674	49.6069	45.9703	47.7546	87.0%	91.0%
x		20.5375	25.8578	26.2174	49.7309	46.2553	48.2232	86.8%	89.8%
σ		0.2928	0.4556	0.2596	0.4165	0.3567	0.6722	0.2%	1.3%
%RSD		1.4257	1.7621	0.9901	0.8375	0.7711	1.3939	0.2	1.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:44:26	20.0519	20.1939	20.0669					
2	15:44:47	20.0628	20.2507	20.1706					
3	15:45:09	20.0251	19.9663	20.0308					
x		20.0466	20.1370	20.0894					
σ		0.0194	0.1505	0.0726					
%RSD		0.0968	0.7475	0.3612					

K1004116-002 05/18/2010 03:47:16 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:16	1.6615	5.6428	6.3394	3.7402	6.3802	5.7276	78.1%	82.9%
2	15:47:37	1.7772	5.5921	6.3779	3.5622	6.5927	5.7530	77.5%	83.0%
3	15:47:59	1.6331	5.4598	5.9818	3.4343	6.7215	5.6348	76.7%	84.4%
x		1.6906	5.5649	6.2330	3.5789	6.5648	5.7052	77.4%	83.4%
σ		0.0763	0.0945	0.2184	0.1536	0.1723	0.0623	0.7%	0.9%
%RSD		4.5132	1.6985	3.5047	4.2926	2.6253	1.0911	0.9	1.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:47:16	0.0495	0.0418	0.0510					
2	15:47:37	0.0410	0.0442	0.0445					
3	15:47:59	0.0494	0.0542	0.0546					
x		0.0466	0.0468	0.0500					
σ		0.0049	0.0066	0.0052					
%RSD		10.4461	14.0316	10.2919					

CCV4 05/18/2010 03:49:55 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:55	25.7365	26.2015	26.1648	25.6021	24.6861	24.9029	89.3%	88.5%
2	15:50:18	25.8300	26.1265	26.8038	25.5579	25.5139	25.2523	90.0%	90.1%
3	15:50:39	25.5331	25.7160	25.6839	25.0867	25.0672	24.9761	91.2%	91.7%
x		25.6999	26.0147	26.2175	25.4156	25.0891	25.0437	90.2%	90.1%
σ		0.1518	0.2613	0.5618	0.2857	0.4143	0.1843	1.0%	1.6%
%RSD		0.5907	1.0046	2.1428	1.1241	1.6514	0.7357	1.1	1.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:49:55	25.3173	25.2452	25.2424					
2	15:50:18	25.5281	25.6542	25.5150					
3	15:50:39	25.5880	25.3529	25.4669					
x		25.4778	25.4174	25.4081					
σ		0.1422	0.2120	0.1455					
%RSD		0.5582	0.8341	0.5726					

CCB4 05/18/2010 03:52:38 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:38	0.0529	0.1345	-0.0100	0.0074	0.0653	0.0188	92.2%	88.2%
2	15:53:00	0.0669	0.1164	-0.0127	0.0180	0.0210	0.0207	92.7%	90.9%
3	15:53:22	0.0957	0.0678	0.0034	0.0246	-0.0339	0.0392	93.7%	92.6%
x		0.0718	0.1062	-0.0065	0.0167	0.0174	0.0262	92.9%	90.6%
σ		0.0218	0.0345	0.0086	0.0087	0.0497	0.0112	0.8%	2.2%
%RSD		30.3774	32.4789	133.6127	52.0680	284.7263	42.8381	0.9	2.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:52:38	0.0006	0.0025	-0.0009					
2	15:53:00	0.0041	-0.0060	0.0004					
3	15:53:22	-0.0020	0.0023	-0.0003					
x		0.0009	-0.0004	-0.0003					
σ		0.0031	0.0048	0.0007					
%RSD		344.8776	1188.3365	227.8351					

K1004116-003 05/18/2010 03:55:18 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:18	23.0497	0.4648	0.9545	0.9254	6.5519	4.2597	72.8%	78.9%
2	15:55:40	22.9124	0.4655	0.7757	0.9087	6.8838	4.0492	73.9%	80.0%
3	15:56:02	23.2773	0.4178	0.8175	0.9966	5.9461	4.2635	74.6%	81.1%
x		23.0798	0.4494	0.8493	0.9436	6.4606	4.1908	73.8%	80.0%
σ		0.1843	0.0273	0.0935	0.0466	0.4755	0.1227	0.9%	1.1%
%RSD		0.7985	6.0812	11.0147	4.9436	7.3593	2.9270	1.3	1.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:55:18	0.0460	0.0541	0.0486					
2	15:55:40	0.0430	0.0546	0.0525					
3	15:56:02	0.0509	0.0452	0.0523					
x		0.0466	0.0513	0.0512					
σ		0.0040	0.0053	0.0022					
%RSD		8.5726	10.3351	4.2709					

K1004116-004 05/18/2010 03:58:00 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:00	17.8122	1.4758	1.6175	6.6240	11.3958	9.3793	76.4%	78.4%
2	15:58:21	18.8042	1.4508	1.7427	6.8022	11.0984	9.3310	76.4%	79.2%
3	15:58:43	18.0849	1.5152	1.7483	6.8574	11.6376	9.7402	77.1%	81.3%
x		18.2337	1.4806	1.7028	6.7612	11.3773	9.4835	76.6%	79.6%
σ		0.5125	0.0324	0.0740	0.1220	0.2701	0.2236	0.4%	1.5%
%RSD		2.8106	2.1916	4.3445	1.8040	2.3741	2.3578	0.5	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:58:00	0.5535	0.5839	0.5709					
2	15:58:21	0.5637	0.5998	0.5934					
3	15:58:43	0.5266	0.5837	0.5682					
x		0.5479	0.5892	0.5775					
σ		0.0191	0.0092	0.0139					
%RSD		3.4934	1.5664	2.3987					

K1004216-001 05/18/2010 04:00:42 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:42	0.2436	5.4266	5.5202	13.4015	11.9818	13.2761	85.3%	84.0%
2	16:01:04	0.2363	5.7279	5.8776	13.8158	12.8777	13.2323	85.3%	85.2%
3	16:01:25	0.2500	5.5031	5.5853	14.0182	12.7206	13.7328	86.3%	87.1%
x		0.2433	5.5525	5.6610	13.7452	12.5267	13.4137	85.6%	85.4%
σ		0.0068	0.1566	0.1904	0.3144	0.4784	0.2772	0.6%	1.6%
%RSD		2.8104	2.8201	3.3626	2.2871	3.8189	2.0663	0.7	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:00:42	0.2729	0.3002	0.2938					
2	16:01:04	0.3033	0.3255	0.3078					
3	16:01:25	0.2880	0.2958	0.2976					
x		0.2881	0.3072	0.2997					
σ		0.0152	0.0160	0.0072					
%RSD		5.2841	5.2248	2.4152					

K1004216-002 05/18/2010 04:03:25 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:25	0.0907	7.8823	8.4166	10.6512	10.1926	10.7068	85.1%	84.1%
2	16:03:47	0.0153	7.9951	8.4925	10.9927	10.6484	11.0828	84.5%	84.5%
3	16:04:10	0.0638	7.9452	8.2944	11.3030	10.4836	11.1715	84.1%	85.5%
x		0.0566	7.9409	8.4012	10.9823	10.4415	10.9870	84.6%	84.7%
$\sigma$		0.0383	0.0565	0.1000	0.3260	0.2308	0.2467	0.5%	0.7%
%RSD		67.5735	0.7119	1.1901	2.9686	2.2106	2.2452	0.6	0.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:03:25	0.0947	0.1006	0.0983					
2	16:03:47	0.0964	0.1070	0.1046					
3	16:04:10	0.0930	0.1120	0.1039					
x		0.0947	0.1065	0.1023					
$\sigma$		0.0017	0.0057	0.0035					
%RSD		1.7685	5.3798	3.3750					

K1004216-003 05/18/2010 04:06:20 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:20	2.3554	0.9707	1.1809	10.8709	12.1219	12.1816	89.0%	85.0%
2	16:06:41	2.3566	0.9338	1.0625	11.1732	12.9345	12.2515	89.3%	86.1%
3	16:07:03	2.2533	0.8621	1.1010	11.0600	12.0185	12.1344	90.6%	87.5%
x		2.3218	0.9222	1.1148	11.0347	12.3583	12.1892	89.6%	86.2%
$\sigma$		0.0593	0.0552	0.0604	0.1527	0.5017	0.0589	0.8%	1.2%
%RSD		2.5549	5.9880	5.4191	1.3841	4.0593	0.4836	0.9	1.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:06:20	0.1531	0.1551	0.1497					
2	16:06:41	0.1422	0.1430	0.1453					
3	16:07:03	0.1562	0.1545	0.1518					
x		0.1505	0.1509	0.1489					
$\sigma$		0.0073	0.0068	0.0033					
%RSD		4.8750	4.5328	2.2055					

K1004216-004 05/18/2010 04:09:03 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:03	1.1993	2.6291	2.8039	2.1537	3.6938	3.5548	78.6%	79.6%
2	16:09:25	1.2833	2.7206	3.0185	2.2111	3.8800	3.9199	77.2%	79.4%
3	16:09:47	1.3044	2.8517	2.8324	2.2346	4.1254	3.9163	77.4%	80.7%
x		1.2624	2.7338	2.8849	2.1998	3.8998	3.7970	77.8%	79.9%
$\sigma$		0.0556	0.1119	0.1166	0.0416	0.2165	0.2098	0.8%	0.7%
%RSD		4.4040	4.0920	4.0405	1.8908	5.5510	5.5257	1.0	0.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:09:03	0.1577	0.1966	0.1779					
2	16:09:25	0.1747	0.1964	0.1914					
3	16:09:47	0.1885	0.2025	0.1875					
x		0.1736	0.1985	0.1856					
$\sigma$		0.0154	0.0034	0.0069					
%RSD		8.8754	1.7350	3.7241					

K1004216-005 05/18/2010 04:11:46 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:11:46	0.1079	1.1493	1.3115	2.7281	5.4990	4.4833	80.5%	79.5%
2	16:12:08	0.2355	1.1316	1.3169	2.6258	5.2143	4.5198	80.4%	80.5%
3	16:12:29	0.1958	1.0835	1.4270	2.5209	5.2405	4.4880	80.0%	81.4%
x		0.1797	1.1214	1.3518	2.6249	5.3179	4.4970	80.3%	80.4%
σ		0.0653	0.0341	0.0652	0.1036	0.1574	0.0199	0.3%	1.0%
%RSD		36.3173	3.0370	4.8219	3.9455	2.9596	0.4420	0.4	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:11:46	0.0852	0.1085	0.0933					
2	16:12:08	0.0904	0.1028	0.0965					
3	16:12:29	0.0887	0.1064	0.1004					
x		0.0881	0.1059	0.0967					
σ		0.0027	0.0029	0.0035					
%RSD		3.0264	2.7256	3.6696					

K1004216-006 05/18/2010 04:14:27 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:27	0.2749	51.7007	52.7630	10.1572	13.4745	11.9411	85.5%	81.9%
2	16:14:48	0.2523	53.5079	55.0497	10.6204	13.0918	12.6963	84.7%	82.5%
3	16:15:10	0.2379	52.1564	52.9041	10.6256	13.2413	12.5725	86.1%	83.8%
x		0.2550	52.4550	53.5723	10.4677	13.2692	12.4033	85.4%	82.7%
σ		0.0187	0.9399	1.2814	0.2689	0.1929	0.4050	0.7%	1.0%
%RSD		7.3266	1.7918	2.3920	2.5692	1.4536	3.2655	0.8	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:14:27	0.1562	0.1499	0.1544					
2	16:14:48	0.1327	0.1544	0.1397					
3	16:15:10	0.1484	0.1507	0.1540					
x		0.1458	0.1517	0.1493					
σ		0.0120	0.0024	0.0084					
%RSD		8.2182	1.5763	5.6127					

K1004252-001 05/18/2010 04:17:07 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:07	3.2448	2.8180	4.0405	8.9172	11.8307	11.1894	85.8%	81.5%
2	16:17:29	3.4883	2.8316	4.0558	9.2793	12.5284	11.1738	84.7%	82.0%
3	16:17:51	3.4182	2.7305	4.1006	9.2488	12.2708	11.4276	85.4%	83.5%
x		3.3838	2.7934	4.0656	9.1484	12.2100	11.2636	85.3%	82.3%
σ		0.1253	0.0549	0.0313	0.2008	0.3529	0.1423	0.5%	1.0%
%RSD		3.7033	1.9644	0.7691	2.1949	2.8899	1.2631	0.6	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:17:07	0.0855	0.0850	0.0835					
2	16:17:29	0.0787	0.0925	0.0899					
3	16:17:51	0.0790	0.0936	0.0901					
x		0.0811	0.0903	0.0878					
σ		0.0039	0.0047	0.0038					
%RSD		4.7546	5.1819	4.3077					

**K1004252-002** 05/18/2010 04:19:49 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:49	12.8185	0.6499	0.8418	8.4833	21.5540	18.6332	75.5%	74.5%
2	16:20:11	13.5110	0.6769	0.7756	8.6771	22.4364	19.2395	75.8%	74.7%
3	16:20:33	13.5779	0.6926	0.7846	8.7741	22.9248	18.9100	76.8%	75.8%
x		13.3024	0.6731	0.8007	8.6448	22.3051	18.9275	76.0%	75.0%
σ		0.4205	0.0216	0.0359	0.1481	0.6947	0.3035	0.7%	0.7%
%RSD		3.1607	3.2080	4.4816	1.7130	3.1147	1.6036	0.9	1.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:19:49	0.0925	0.1090	0.1056					
2	16:20:11	0.1071	0.1199	0.1111					
3	16:20:33	0.1146	0.1251	0.1152					
x		0.1047	0.1180	0.1106					
σ		0.0113	0.0082	0.0048					
%RSD		10.7476	6.9293	4.3416					

**CCV5** 05/18/2010 04:22:30 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:30	25.1757	26.4831	26.5927	24.4329	23.4148	23.4845	83.0%	78.9%
2	16:22:52	26.1976	27.0929	27.2631	25.0524	25.1264	25.3754	82.9%	79.1%
3	16:23:14	25.9081	26.9868	27.2001	25.4002	24.4471	24.7536	84.6%	81.5%
x		25.7605	26.8543	27.0186	24.9618	24.3294	24.5378	83.5%	79.8%
σ		0.5267	0.3258	0.3702	0.4899	0.8618	0.9637	1.0%	1.5%
%RSD		2.0447	1.2131	1.3701	1.9628	3.5424	3.9275	1.2	1.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:22:30	24.6843	24.4830	24.5507					
2	16:22:52	26.0020	25.8132	25.8567					
3	16:23:14	25.6094	25.4381	25.4798					
x		25.4319	25.2447	25.2957					
σ		0.6766	0.6858	0.6722					
%RSD		2.6603	2.7167	2.6572					

**CCB5** 05/18/2010 04:25:20 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:20	0.0914	0.2338	0.0569	0.0653	0.0272	0.0627	82.7%	79.1%
2	16:25:42	0.0843	0.2021	0.0447	0.0210	0.0772	0.0193	82.0%	78.8%
3	16:26:04	0.0699	0.1744	0.0544	0.0568	0.1229	0.0430	83.0%	80.1%
x		0.0819	0.2035	0.0520	0.0477	0.0757	0.0417	82.6%	79.3%
σ		0.0109	0.0297	0.0064	0.0235	0.0479	0.0217	0.5%	0.7%
%RSD		13.3456	14.5968	12.3624	49.2542	63.2000	52.1349	0.6	0.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:25:20	0.0064	-0.0080	-0.0024					
2	16:25:42	-0.0013	-0.0034	-0.0006					
3	16:26:04	0.0012	-0.0057	-0.0024					
x		0.0021	-0.0057	-0.0018					
σ		0.0039	0.0023	0.0010					
%RSD		187.0600	40.0372	57.5848					



July 1, 2010

Analytical Report for Service Request No: K1004635

Melissa Kleven  
Exponent  
15375 Southeast 30th Place, Suite 250  
Bellevue, WA 98007

**RE: Heglar Kronquist/0907194.000.0601**

Dear Melissa:

Enclosed are the additional pages for the samples submitted to our laboratory on May 08, 2010. For your reference, these analyses have been assigned our service request number K1004635.

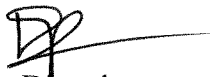
Results for "Phosphate as Orthophosphate" enclosed.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at [www.caslab.com](http://www.caslab.com). All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3281. You may also contact me via Email at [PDivvela@caslab.com](mailto:PDivvela@caslab.com).

Respectfully submitted,

**Columbia Analytical Services, Inc.**



Pradeep Divvela  
Project Chemist

PD/lb

Page 1 of 3

COLUMBIA ANALYTICAL SERVICES, INC.

**Client:** Exponent  
**Project:** Heglar Kronquist  
**Sample Matrix:** Water

**Service Request No.:** K1004635  
**Date Received:** 05/08/10

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Three field samples were received for analysis at Columbia Analytical Services on 05/08/10. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

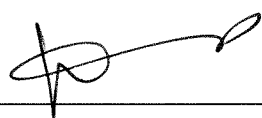
A field filtered 1L plastic container was used for the measurement of Cl, F, SO<sub>4</sub>, NO<sub>2</sub>, NO<sub>3</sub> and Ortho Phosphate per client's request.

No anomalies associated with the analysis of these samples were observed.

Dissolved Metals

No anomalies associated with the analysis of these samples were observed.

Approved by \_\_\_\_\_ Date \_\_\_\_\_

 06/30/10

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** 05/07/10  
**Date Received :** 05/08/10

Phosphate as Orthophosphate

**Analysis Method :** 365.3  
**Test Notes :**

Units : mg/L

Basis : NA

<b>Sample Name</b>	<b>Lab Code</b>	<b>MRL</b>	<b>MDL</b>	<b>Dilution Factor</b>	<b>Date/Time Analyzed</b>	<b>Result</b>	<b>Result Notes</b>
BH-11-62	K1004635-001	0.031	0.013	1	05/08/10 12:00	0.120	
EB-050710	K1004635-002	0.031	0.013	1	05/08/10 12:00	ND	
BH-9	K1004635-003	0.031	0.013	1	05/08/10 12:00	0.200	
Method Blank	K1004635-MB	0.031	0.013	1	05/08/10 12:00	ND	

June 4, 2010

Analytical Report for Service Request No: K1004635

Melissa Kleven  
Exponent  
15375 Southeast 30th Place, Suite 250  
Bellevue, WA 98007

**RE: Heglar Kronquist/0907194.000.0601**

Dear Melissa:

Enclosed are the results of the samples submitted to our laboratory on May 08, 2010. For your reference, these analyses have been assigned our service request number K1004635.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at [www.caslab.com](http://www.caslab.com). All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3281. You may also contact me via Email at [PDivvela@caslab.com](mailto:PDivvela@caslab.com).

Respectfully submitted,

**Columbia Analytical Services, Inc.**  
Pradeep Divvela  
Project Chemist

PD/kd

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## Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

### Inorganic Data Qualifiers

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value that was detected outside the quantitation range.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.1 definition*: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

### Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value that was detected outside the quantitation range.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.1 definition*: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

### Organic Data Qualifiers

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value that was detected outside the quantitation range.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.1 definition*: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

### Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

**Columbia Analytical Services, Inc.**  
**Kelso, WA**  
**State Certifications, Accreditations, and Licenses**

<b>Program</b>	<b>Number</b>
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-



## **Case Narrative**



COLUMBIA ANALYTICAL SERVICES, INC.

Client: Exponent  
Project: Heglar Kronquist  
Sample Matrix: Water

Service Request No.: K1004635  
Date Received: 05/08/10

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Three field samples were received for analysis at Columbia Analytical Services on 05/08/10. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters


A field filtered 1L plastic container was used for the measurement of Cl, F, SO<sub>4</sub>, NO<sub>2</sub> and NO<sub>3</sub>.

No anomalies associated with the analysis of these samples were observed.

Dissolved Metals

No anomalies associated with the analysis of these samples were observed.

Approved by \_\_\_\_\_ Date \_\_\_\_\_

 06/07/10

## **Chain of Custody**

**CHAIN OF CUSTODY**

SR#: K10046835 OF 1 PAGE 1 OF 2 COC # PP 514

PROJECT NAME	PROJECT NUMBER	PROJECT MANAGER	COMPANY ADDRESS	CITY/STATE/ZIP	E-MAIL ADDRESS	PHONE #	SAMPLER'S SIGNATURE	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	REMARKS
Heglar Kronquist	0907194.008.0601	Melissa Kleven	15375 SE 30th PI	Suite 250	Bellevue WA 98007	mkleven@exponent.com	<i>[Signature]</i>	5-7-10	1255	L	S		
						(425) 519-8774 (425) 519-8799	<i>[Signature]</i>	↓	1610	L	S		
							<i>[Signature]</i>	↓	1630	L	S		

**REPORT REQUIREMENTS**

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

**INVOICE INFORMATION**

P.O. # \_\_\_\_\_

Bill To: same

as above

**TURNAROUND REQUIREMENTS**

24 hr. \_\_\_\_\_ 48 hr. \_\_\_\_\_

5 Day \_\_\_\_\_

Standard (10-15 working days)

Provide FAX Results \_\_\_\_\_

Requested Report Date \_\_\_\_\_

**RELIQUISHED BY:**

Signature: [Signature] Date/Time: 5-7-10/17:10

Printed Name: Keri Whetter Firm: Exponent

**RECEIVED BY:**

Signature: [Signature] Date/Time: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Firm: \_\_\_\_\_

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

\*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: \_\_\_\_\_ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

- Run phosphate as orthophosphate ASAP, within 48 hrs had time

- 500 mL w/ H2SO4 is field-filtered

- 500 mL w/ HNO3 is field-filtered

Sample Shipment contains USDA regulated soil samples (check box if applicable) # T022894



**Columbia Analytical Services, Inc.  
Cooler Receipt and Preservation Form**

PC PIJ

Client / Project: Expend Service Request K10 04655  
 Received: 5/8/10 Opened: 5/8/10 By: JL

1. Samples were received via? *Mail*  *Fed Ex*  *UPS*  *DHL*  *PDX*  *Courier*  *Hand Delivered*
2. Samples were received in: (circle)  *Cooler*  *Box*  *Envelope*  *Other*  NA
3. Were custody seals on coolers?  NA  Y  N If yes, how many and where? 1 from  
 If present, were custody seals intact?  Y  N If present, were they signed and dated?  Y  N

Cooler Temp °C	Temp Blank °C	Thermometer ID	Cooler/COC ID	NA	Tracking Number	NA	Filed
<u>1.3</u>	<u>3.0</u>	<u>286</u>					

7. Packing material used. *Inserts* *Baggies*  *Bubble Wrap*  *Gel Packs*  *Wet Ice*  *Sleeves*  *Other* \_\_\_\_\_
8. Were custody papers properly filled out (ink, signed, etc.)?  NA  Y  N
9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.*  NA  Y  N
10. Were all sample labels complete (i.e analysis, preservation, etc.)?  NA  Y  N
11. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.*  NA  Y  N
12. Were appropriate bottles/containers and volumes received for the tests indicated?  NA  Y  N
13. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below*  NA  Y  N
14. Were VOA vials received without headspace? *Indicate in the table below.*  NA  Y  N
15. Was C12/Res negative?  NA  Y  N

Sample ID on Bottle	Sample ID on COC	Identified by:
<u>BH-9-15</u>	<u>BH-9</u>	

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## **General Chemistry Parameters**

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 05/07/10  
Date Received : 05/08/10

Chloride

Analysis Method : 300.0  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-11-62	K1004635-001	4.0	0.6	20	05/21/10	89.7	
EB-050710	K1004635-002	0.20	0.03	1	05/21/10	0.06	J
BH-9	K1004635-003	10	2	50	05/21/10	368	
Method Blank	K1004635-MB	0.20	0.03	1	05/21/10	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/21/10

Duplicate Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1005196-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Chloride	300.0	0.20	0.65	0.61	0.63	6	

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/21/10

Matrix Spike/Duplicate Matrix Spike Summary

**Sample Name :** Batch QC Units : mg/L  
**Lab Code :** K1005196-001MS K1005196-001DMS Basis : NA  
**Test Notes :**

Analyte	Prep Method	Analysis Method	MRL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chloride	NONE	300.0	0.20	3.00	3.00	0.65	3.40	3.45	92	94	80-120	2	



**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/21/10

Laboratory Control Sample Summary  
Inorganic Parameters

**Sample Name :** Lab Control Sample  
**Lab Code :** K1004635-LCS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Chloride	NONE	300.0	5.00	4.94	99	90-110	

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA

Chloride  
300.0  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	5/21/2010	5.00	4.99	100
CCV2 Result	5/21/2010	5.00	4.93	99
CCV3 Result	5/21/2010	5.00	4.97	99
CCV4 Result	5/21/2010	5.00	4.93	99
CCV5 Result	5/21/2010	5.00	4.98	100
CCV6 Result	5/21/2010	5.00	4.99	100

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project : Heglar Kronquist

Service Request : K1004635  
Date Collected : NA  
Date Received : NA

Chloride  
300.0  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	5/21/2010	0.20	ND
CCB2 Result	5/21/2010	0.20	ND
CCB3 Result	5/21/2010	0.20	ND
CCB4 Result	5/21/2010	0.20	ND
CCB5 Result	5/21/2010	0.20	ND
CCB6 Result	5/21/2010	0.20	ND

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** 05/07/10  
**Date Received :** 05/08/10

Fluoride

**Analysis Method :** 300.0  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

<b>Sample Name</b>	<b>Lab Code</b>	<b>MRL</b>	<b>MDL</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>	<b>Result</b>	<b>Result Notes</b>
BH-11-62	K1004635-001	0.20	0.01	2	05/21/10	0.27	
EB-050710	K1004635-002	0.20	0.003	1	05/21/10	ND	
BH-9	K1004635-003	0.20	0.01	2	05/21/10	0.30	
Method Blank	K1004635-MB	0.20	0.003	1	05/21/10	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/21/10

Duplicate Summary  
Inorganic Parameters

Sample Name : BatchQC  
Lab Code : K1005196-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Fluoride	300.0	0.20	ND	ND	ND	-	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/21/10

Matrix Spike Summary  
Inorganic Parameters

Sample Name : BatchQC  
Lab Code : K1005196-001MS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
							Percent Recovery Acceptance Limits	
Fluoride	300.0	0.20	3.00	ND	3.06	102	80-120	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/21/10

Laboratory Control Sample Summary  
Inorganic Parameters

Sample Name : Lab Control Sample  
Lab Code : K1004635-LCS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Fluoride	NONE	300.0	13.5	13.8	102	90-110	

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA

Fluoride  
300.0  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	5/21/2010	5.00	4.91	98
CCV2 Result	5/21/2010	5.00	4.93	99
CCV3 Result	5/21/2010	5.00	5.00	100
CCV4 Result	5/21/2010	5.00	4.96	99
CCV5 Result	5/21/2010	5.00	5.03	101
CCV6 Result	5/21/2010	5.00	5.02	100



# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA

Fluoride  
300.0  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	5/21/2010	0.20	ND
CCB2 Result	5/21/2010	0.20	ND
CCB3 Result	5/21/2010	0.20	ND
CCB4 Result	5/21/2010	0.20	ND
CCB5 Result	5/21/2010	0.20	ND
CCB6 Result	5/21/2010	0.20	ND

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 05/07/10  
Date Received : 05/08/10

Sulfate

Analysis Method : 300.0  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-11-62	K1004635-001	4.0	0.2	20	05/21/10	30.0	
EB-050710	K1004635-002	0.20	0.01	1	05/21/10	0.04	J
BH-9	K1004635-003	2.0	0.1	10	05/21/10	33.3	
Method Blank	K1004635-MB	0.20	0.01	1	05/21/10	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/21/10

Duplicate Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1005196-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Sulfate	300.0	0.20	2.72	2.72	2.72	<1	

**COLUMBIA ANALYTICAL SERVICES, INC.**  
QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/21/10

Matrix Spike/Duplicate Matrix Spike Summary

**Sample Name :** Batch QC Units : mg/L  
**Lab Code :** K1005196-001MS K1005196-001DMS Basis : NA  
**Test Notes :**

Analyte	Prep Method	Analysis Method	MRL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Sulfate	NONE	300.0	0.20	3.00	3.00	2.72	5.78	5.81	102	103	80-120	<1	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/21/10

Laboratory Control Sample Summary  
Inorganic Parameters

Sample Name : Lab Control Sample  
Lab Code : K1004635-LCS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Sulfate	NONE	300.0	5.00	4.92	98	90-110	

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA

Sulfate  
300.0  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	5/21/2010	5.00	4.98	100
CCV2 Result	5/21/2010	5.00	4.98	100
CCV3 Result	5/21/2010	5.00	4.93	99
CCV4 Result	5/21/2010	5.00	4.95	99
CCV5 Result	5/21/2010	5.00	5.01	100
CCV6 Result	5/21/2010	5.00	4.96	99

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA

Sulfate  
300.0  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	5/21/2010	0.20	ND
CCB2 Result	5/21/2010	0.20	ND
CCB3 Result	5/21/2010	0.20	ND
CCB4 Result	5/21/2010	0.20	ND
CCB5 Result	5/21/2010	0.20	ND
CCB6 Result	5/21/2010	0.20	ND

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 05/07/10  
Date Received : 05/08/10

Ammonia as Nitrogen, Dissolved

Analysis Method : 350.1  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-11-62	K1004635-001	0.050	0.020	1	05/10/10	ND	
EB-050710	K1004635-002	0.050	0.020	1	05/10/10	ND	
BH-9	K1004635-003	0.050	0.020	1	05/10/10	0.021	J
Method Blank	K1004635-MB	0.050	0.020	1	05/10/10	ND	



COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 5/7/2010  
Date Received : 5/8/2010  
Date Prepared : NA  
Date Analyzed : 05/10/10

Duplicate Summary  
Inorganic Parameters

Sample Name : BH-11-62  
Lab Code : K1004635-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Ammonia as Nitrogen, Dissolved	350.1	0.050	ND	ND	ND	-	

**COLUMBIA ANALYTICAL SERVICES, INC.**  
QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** 5/7/2010  
**Date Received :** 5/8/2010  
**Date Prepared :** NA  
**Date Analyzed :** 05/10/10

Matrix Spike/Duplicate Matrix Spike Summary

**Sample Name :** BH-11-62 Units : mg/L  
**Lab Code :** K1004635-001MS K1004635-001DMS Basis : NA  
**Test Notes :**

Analyte	Prep Method	Analysis Method	MRL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Ammonia as Nitrogen, Dissolved	NONE	350.1	0.050	2.00	2.00	ND	2.07	2.14	103	107	90-110	4	

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/10/10

Laboratory Control Sample Summary  
 Inorganic Parameters

**Sample Name :** Lab Control Sample  
**Lab Code :** K1004635-LCS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Ammonia as Nitrogen	NONE	350.1	14.3	14.1	99	90-110	

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA

Ammonia as Nitrogen  
350.1  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	5/10/2010	2.00	1.97	99
CCV2 Result	5/10/2010	2.00	1.96	98
CCV3 Result	5/10/2010	2.00	1.97	99
CCV4 Result	5/10/2010	2.00	1.97	99

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA

Ammonia as Nitrogen  
350.1  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	5/10/2010	0.050	ND
CCB2 Result	5/10/2010	0.050	ND
CCB3 Result	5/10/2010	0.050	ND
CCB4 Result	5/10/2010	0.050	ND

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 05/07/10  
Date Received : 05/08/10

Nitrite as Nitrogen

Analysis Method : 353.2  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
BH-11-62	K1004635-001	0.050	0.005	1	05/08/10 10:56	0.017	J
EB-050710	K1004635-002	0.050	0.005	1	05/08/10 10:56	0.012	J
BH-9	K1004635-003	0.050	0.005	1	05/08/10 10:56	0.030	J
Method Blank	K1004635-MB	0.050	0.005	1	05/08/10 10:56	0.008	J

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 5/7/2010  
Date Received : 5/8/2010  
Date Prepared : NA  
Date Analyzed : 05/08/10

Duplicate Summary  
Inorganic Parameters

Sample Name : BH-11-62  
Lab Code : K1004635-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Nitrite as Nitrogen	353.2	0.050	0.017	0.017	0.017	<1	J

**COLUMBIA ANALYTICAL SERVICES, INC.**  
QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** 5/7/2010  
**Date Received :** 5/8/2010  
**Date Prepared :** NA  
**Date Analyzed :** 05/08/10

Matrix Spike/Duplicate Matrix Spike Summary

**Sample Name :** BH-11-62 Units : mg/L  
**Lab Code :** K1004635-001MS K1004635-001DMS Basis : NA  
**Test Notes :**

Analyte	Prep Method	Analysis Method	MRL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Nitrite as Nitrogen	NONE	353.2	0.050	2.00	2.00	0.017	2.08	2.02	103	100	90-110	3	



**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/08/10

Laboratory Control Sample Summary  
 Inorganic Parameters

**Sample Name :** Lab Control Sample  
**Lab Code :** K1004635-LCS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Nitrite as Nitrogen	NONE	353.2	4.00	3.98	100	90-110	

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA

Nitrite as Nitrogen  
353.2  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	5/8/2010	2.00	1.98	99
CCV2 Result	5/8/2010	2.00	2.00	100

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project : Heglar Kronquist

Service Request : K1004635  
Date Collected : NA  
Date Received : NA

Nitrite as Nitrogen  
353.2  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	5/8/2010	0.050	0.008 J
CCB2 Result	5/8/2010	0.050	0.009 J

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 05/07/10  
Date Received : 05/08/10

Nitrate as Nitrogen

Analysis Method : 353.2  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-11-62	K1004635-001	0.50	0.09	10	05/11/10	9.93	
EB-050710	K1004635-002	0.050	0.009	1	05/11/10	0.030	J
BH-9	K1004635-003	0.25	0.05	5	05/11/10	6.59	
Method Blank	K1004635-MB	0.050	0.009	1	05/11/10	0.014	J

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/11/10

Duplicate Summary  
Inorganic Parameters

Sample Name : BatchQC  
Lab Code : K1004455-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Nitrate as Nitrogen	353.2	0.050	0.011	0.011	0.011	<1	J

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/11/10

Matrix Spike Summary  
 Inorganic Parameters

**Sample Name :** BatchQC  
**Lab Code :** K1004455-001MS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
							Percent Recovery Acceptance Limits	
Nitrate as Nitrogen	353.2	0.050	2.00	0.011	2.00	99	88-110	

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/11/10

Laboratory Control Sample Summary  
 Inorganic Parameters

**Sample Name :** Lab Control Sample  
**Lab Code :** K1004635-LCS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Nitrate as Nitrogen	NONE	353.2	14.8	14.4	97	88-110	

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project : Heglar Kronquist

Service Request : K1004635  
Date Collected : NA  
Date Received : NA

Nitrate as Nitrogen  
353.2  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	5/11/2010	2.00	1.93	97
CCV2 Result	5/11/2010	2.00	1.93	97
CCV3 Result	5/11/2010	2.00	1.91	96
CCV4 Result	5/11/2010	2.00	1.92	96
CCV5 Result	5/11/2010	2.00	1.93	97
CCV6 Result	5/11/2010	2.00	1.92	96



# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project : Heglar Kronquist

Service Request : K1004635  
Date Collected : NA  
Date Received : NA

Nitrate as Nitrogen  
353.2  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	5/11/2010	0.050	0.012 J
CCB2 Result	5/11/2010	0.050	0.010 J
CCB3 Result	5/11/2010	0.050	0.012 J
CCB4 Result	5/11/2010	0.050	0.012 J
CCB5 Result	5/11/2010	0.050	0.013 J
CCB6 Result	5/11/2010	0.050	0.012 J

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 05/07/10  
Date Received : 05/08/10

Orthophosphate as Phosphorus

Analysis Method : 365.3  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
BH-11-62	K1004635-001	0.010	0.004	1	05/08/10 12:00	0.039	
EB-050710	K1004635-002	0.010	0.004	1	05/08/10 12:00	ND	
BH-9	K1004635-003	0.010	0.004	1	05/08/10 12:00	0.065	
Method Blank	K1004635-MB	0.010	0.004	1	05/08/10 12:00	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 5/7/2010  
Date Received : 5/8/2010  
Date Prepared : NA  
Date Analyzed : 05/08/10

Duplicate Summary  
Inorganic Parameters

Sample Name : EB-050710  
Lab Code : K1004635-002DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Orthophosphate as Phosphorus	365.3	0.010	ND	ND	ND	-	

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** 5/7/2010  
**Date Received :** 5/8/2010  
**Date Prepared :** NA  
**Date Analyzed :** 05/08/10

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : EB-050710 Units : mg/L  
 Lab Code : K1004635-002MS K1004635-002DMS Basis : NA  
 Test Notes :

Analyte	Prep Method	Analysis Method	MRL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Orthophosphate as Phosphorus	NONE	365.3	0.010	0.200	0.400	ND	0.192	0.390	95	97	81-119	2	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/08/10

Laboratory Control Sample Summary  
Inorganic Parameters

Sample Name : Lab Control Sample  
Lab Code : K1004635-LCS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Orthophosphate as Phosphorus	NONE	365.3	3.57	3.48	97	89-118	

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA

Orthophosphate as Phosphorus  
365.3  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	5/8/2010	0.500	0.482	96
CCV2 Result	5/8/2010	0.500	0.473	95

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA

Orthophosphate as Phosphorus  
365.3  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	5/8/2010	0.010	ND
CCB2 Result	5/8/2010	0.010	ND

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 05/07/10  
Date Received : 05/08/10

Alkalinity as CaCO<sub>3</sub>, Total

Analysis Method : SM 2320 B  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-11-62	K1004635-001	2.0	1.0	1	05/10/10	276	
EB-050710	K1004635-002	2.0	1.0	1	05/10/10	ND	
BH-9	K1004635-003	2.0	1.0	1	05/10/10	310	
Method Blank	K1004635-MB	2.0	1.0	1	05/10/10	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.



**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/10/10

Duplicate Summary  
 Inorganic Parameters

**Sample Name :** Batch QC  
**Lab Code :** K1004481-005DUP  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

<b>Analyte</b>	<b>Analysis Method</b>	<b>MRL</b>	<b>Sample Result</b>	<b>Duplicate Sample Result</b>	<b>Average</b>	<b>Relative Percent Difference</b>	<b>Result Notes</b>
Alkalinity as CaCO <sub>3</sub> , Total	SM 2320 B	2.0	184	182	183	1	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/10/10

Laboratory Control Sample Summary  
Inorganic Parameters

Sample Name : Lab Control Sample  
Lab Code : K1004635-LCS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery	
Alkalinity as CaCO <sub>3</sub> , Total	NONE	SM 2320 B	67.9	70.4	104	94-106	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 05/07/10  
Date Received : 05/08/10

Bicarbonate Alkalinity as CaCO3

Analysis Method : SM 2320 B  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-11-62	K1004635-001	2.0	1.0	1	05/10/10	276	
EB-050710	K1004635-002	2.0	1.0	1	05/10/10	ND	
BH-9	K1004635-003	2.0	1.0	1	05/10/10	310	
Method Blank	K1004635-MB	2.0	1.0	1	05/10/10	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/10/10

Duplicate Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1004338-002DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Bicarbonate Alkalinity as CaCO <sub>3</sub>	SM 2320 B	2.0	216	218	217	<1	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

# COLUMBIA ANALYTICAL SERVICES, INC.

## Analytical Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** 05/07/10  
**Date Received :** 05/08/10

### Carbonate Alkalinity as CaCO<sub>3</sub>

**Analysis Method :** SM 2320 B  
**Test Notes :**

Units : mg/L

Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-11-62	K1004635-001	2.0	1.0	1	05/10/10	ND	
EB-050710	K1004635-002	2.0	1.0	1	05/10/10	ND	
BH-9	K1004635-003	2.0	1.0	1	05/10/10	ND	
Method Blank	K1004635-MB	2.0	1.0	1	05/10/10	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/10/10

Duplicate Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1004338-002DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Carbonate Alkalinity as CaCO3	SM 2320 B	2.0	ND	ND	ND	-	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 05/07/10  
Date Received : 05/08/10

Hydroxide Alkalinity as CaCO<sub>3</sub>

Analysis Method : SM 2320 B  
Test Notes :

Units : mg/L

Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-11-62	K1004635-001	2.0	1.0	1	05/10/10	ND	
EB-050710	K1004635-002	2.0	1.0	1	05/10/10	ND	
BH-9	K1004635-003	2.0	1.0	1	05/10/10	ND	
Method Blank	K1004635-MB	2.0	1.0	1	05/10/10	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/10/10

Duplicate Summary  
Inorganic Parameters

Sample Name : BatchQC  
Lab Code : K1004338-002DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Hydroxide Alkalinity as CaCO3	SM 2320 B	2.0	ND	ND	ND	-	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : 05/07/10  
Date Received : 05/08/10

Solids, Total Dissolved

Analysis Method : SM 2540 C  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-11-62	K1004635-001	5.0	5.0	1	05/13/10	535	
EB-050710	K1004635-002	5.0	5.0	1	05/13/10	19.5	
BH-9	K1004635-003	5.0	5.0	1	05/13/10	967	
Method Blank	K1004635-MB	5.0	5.0	1	05/13/10	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004635  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/13/10

Duplicate Summary  
 Inorganic Parameters

**Sample Name :** Batch QC  
**Lab Code :** K1004743-001DUP  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate		Relative Percent Difference	Result Notes
				Sample Result	Average		
Solids, Total Dissolved	SM 2540 C	5.0	78.0	73.0	75.5	7	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004635  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/13/10

Laboratory Control Sample Summary  
Inorganic Parameters

Sample Name : Lab Control Sample  
Lab Code : K1004635-LCS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Solids, Total Dissolved	NONE	SM 2540 C	750	692	92	83-117	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

Work Request # <sup>Original</sup> (4573) 4575 4635 4664 4711 4744 4743  
 Tier: 1 ✓ V ✓ I II V V  
 Date Analyzed: 5.13.10 4782 4765  
 Analyst: nb/nb for CES 1 1  
 Analysis: TDS


20052)

**DATA QUALITY REPORT  
INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1. Is the method name and number correct and appropriate? yes/no/NA
2. Holding times met for all analyses and for all samples? yes/no/NA
3. Are calculations correct? yes/no/NA
4. Is the reporting basis correct? (Dry Weight) yes/no/NA
5. All quality control criteria met? yes/no/NA
  - a. Is the calibration curve correlation coefficient  $\geq 0.995$ ? yes/no/NA
  - b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency? yes/no/NA
  - c. Are ICVs, CCVs, and CCBs all within acceptance limits? yes/no/NA
  - d. Are results for methods blanks all ND? yes/no/NA
  - e. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.) yes/no/NA
  - f. Are all exceptions explained? yes/no/NA
6. Are all service requests that apply attached? yes/no/NA
7. Are all samples labelled correctly? yes/no/NA
8. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample) yes/no/NA
9. Are detection limits and units reported correctly? yes/no/NA
10. Are proper Analysis/Extraction stickers included on report? yes/no/NA
11. Is the unused space on the benchsheet crossed out? yes/no/NA
12. Was analysis turned in by the due date? (n-2) (If not record SR#) yes/no/NA

**COMMENTS:**

Final Approved by:  Date: 5/18/10

DQREPORT

COLUMBIA ANALYTICAL SERVICES, INC.

200521

Work Order #: \_\_\_\_\_  
 Analysis: \_\_\_\_\_ Total Dissolved Solids \_\_\_\_\_

Method: EPA SM 2540 C

Sample #	Crucible #	Conductivity	Sample Volume (ml)	Wt, Cru. + Dry sample (1) (g)	Wt, Cru. + Dry sample (2) (g)	Wt, Cru. + Dry sample (3) (g)	Wt. Crucible (g)	Wt. Dry Sample (g)	TDS (mg/L)	TDS (mg/L) reported
MB	R41		200	130.1162	130.1166		130.1164	-0.0002	-1	<5
MB	2713		200	122.0077	122.0078		122.0074	0.0003	2	<5
LCS	115 S		50	86.6122	86.6127		86.5776	0.0346	692	692
DLCS	J6		50	70.7345	70.7348		70.6993	0.0352	704	704
K1004573-001	3/31/2008	272	100	84.9862	84.9864		84.9683	0.0179	179	179
K1004573-002	J12	293	100	77.4013	77.4015		77.3824	0.0189	189	189
K1004575-001	J16	553	100	75.0907	75.0910		75.0529	0.0378	378	378
K1004575-002	17 S	2020	75	78.9659	78.9655		78.8659	0.1000	1333	1330
K1004575-003	48A	1990	75	63.9294	63.9297		63.8425	0.0869	1159	1160
K1004575-004	36A	6	200	75.0045	75.0049		75.0039	0.0006	3	<5
K1004635-001	316	894	100	81.4212	81.4210		81.3677	0.0535	535	535
K1004635-002	42 S	3	200	73.2099	73.2095		73.2060	0.0039	20	19.5
K1004635-003	A18	1720	75	75.7609	75.7606		75.6884	0.0725	967	967
K1004664-001	22A	8190	50	77.9003	77.9003		77.6929	0.2074	4148	4150
K1004711-001	B2	21	200	71.3374	71.3369		71.3324	0.0050	25	25.0
K1004744-001	DC	601	100	60.4562	60.4566		60.4187	0.0375	375	375
K1004744-002	MM	3050	50	81.4618	81.4615		81.3664	0.0954	1908	1910
K1004744-003	9 S	2	200	80.4051	80.4055		80.4033	0.0018	9	9.00
K1004744-004	20 C	809	100	73.5827	73.5825		73.5336	0.0491	491	491
K1004743-001	EE	139	100	79.3228	79.3232		79.3150	0.0078	78	78.0
K1004743-002	C16	1	200	85.9841	85.9836		85.9825	0.0016	8	8.00
K1004782-001	Jayla	800	100	73.3139	73.3139		73.2601	0.0538	538	538
K1004782-002	Simon	777	100	70.0817	70.0821		70.0253	0.0564	564	564
K1004765-001	2 C	273	100	73.3259	73.3258		73.3024	0.0235	235	235
K1004743-001d	20A	139	100	67.7393	67.7393		67.7320	0.0073	73	73.0

Calculation: Dissolved Solids (mg/L) = Wt. Dry Sample (g) x 1000 x 1000 / Volume (ml) 92 Balance#31  
 APG #:4033 Lot# 041109 ID# TDS/1-25-H T.V. = 750 % Rec = ~~98~~ 94

Wt (1) Start 1600	Wt (2) Start	Wt (3) Start 1110	
Stop	Stop 0910	Stop 1300	4743-1/1d X=76 RPD=7
Wt (1) Start 105	Wt (2) Start	Wt (3) Start 178	4575-2/2d X=1270 RPD=9
Temp Stop	Temp Stop 180	Temp Stop 180	date time

Analyzed By: *nb/p/for CES* Date Analyzed: 5/13/2010 13:00  
 Reviewed By: *[Signature]* Date Reviewed: 5/18/10

*OS 5/18/10 RE*

COLUMBIA ANALYTICAL SERVICES, INC.

Work Order #: \_\_\_\_\_

Method: EPA SM 2540 C

Analysis: Total Dissolved Solids

Sample #	Crucible #	Conductivity	Sample Volume (ml)	Wt, Cru. + Dry sample (1) (g)	Wt, Cru. + Dry sample (2) (g)	Wt, Cru. + Dry sample (3) (g)	Wt. Crucible (g)	Wt. Dry Sample (g)	TDS (mg/L)	TDS (mg/L) reported
K1004575-002d	G27	2020	75	78.5702	78.5705		78.4791	0.0911	1215	1210
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!
								0.0000	#DIV/0!	#DIV/0!

Calculation: Dissolved Solids (mg/L) = Wt. Dry Sample (g) x 1000 x 1000 / Volume (ml)

Analyzed By: <u>mb/nb for CBS</u> Reviewed By: <u>[Signature]</u>	Date Analyzed: <u>5/13/2010</u> 13:00 Date Reviewed: <u>5/18/10</u>
--	--

99979

Work Request #	( <sup>Original</sup> 41001)	4445	4180	4216	4376	4252	4338	4481	
Tier:	V	11	1	11	11	11	11	V	
Date Analyzed:	5.10.10		4483	4414	4455	4467	4591	4575	
Analyst:	nb		V	11	V	V	V	V	V
Analysis:	dk, brach, carb, OH-			4635					
				V					


**DATA QUALITY REPORT  
INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1. Is the method name and number correct and appropriate? yes/no/NA
2. Holding times met for all analyses and for all samples? yes/no/NA
3. Are calculations correct? yes/no/NA
4. Is the reporting basis correct? (Dry Weight) yes/no/NA
5. All quality control criteria met? yes/no/NA
  - a. Is the calibration curve correlation coefficient  $\geq 0.995$ ? yes/no/NA
  - b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency? yes/no/NA
  - c. Are ICVs, CCVs, and CCBs all within acceptance limits? yes/no/NA
  - d. Are results for methods blanks all ND? yes/no/NA
  - e. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.) yes/no/NA
  - f. Are all exceptions explained? yes/no/NA
6. Are all service requests that apply attached? yes/no/NA
7. Are all samples labelled correctly? yes/no/NA
8. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample) yes/no/NA
9. Are detection limits and units reported correctly? yes/no/NA
10. Are proper Analysis/Extraction stickers included on report? yes/no/NA
11. Is the unused space on the benchsheet crossed out? yes/no/NA
12. Was analysis turned in by the due date? (n-2) (If not record SR#) yes/no/NA

**COMMENTS:**

Rush, 4445 due 5.12

Final Approved by:  Date: 5/11/10

199979

Request #: \_\_\_\_\_ Method: EPA 310.1 / SM 2320B

Analysis For: Alkalinity as CaCO<sub>3</sub>: Total / Bicarbonate / Carbonate / Hydroxide

PH Meter Calibration	Sample #	MB	LCS	LCSD	4201-1	4201-1d	4201-2	4445-5
pH 12.45	Initial pH	5.37	8.95	8.93	7.44	7.37	6.02	7.39
	Titrant used to pH 8.3							
pH 10.00	Titrant used to pH 4.5	0.11	3.27	3.39	2.96	2.99	0.33	5.08
0.00	Titrant used to pH 4.2	0.31					0.59	
pH 7.00	Sample Volume	100	50	50	50	50	100	53
7.00	Alkalinity	<2	65.4	67.8	59.2	59.8	<2.0	45.8
pH 4.00	Bicarbonate							
4.00	Carbonate							
pH 4.00 Chk.	Hydroxide							
4.04								

Sample #	4180-1	4216-1	4216-2	BL	4216-3	4216-4	4216-5	4216-6
Initial pH	7.03	6.46	7.39	4.03	6.81	7.14	6.80	6.74
Titrant used to pH 8.3				7				
Titrant used to pH 4.5	1.31	2.76	27.71		14.88	40.68	15.78	17.89
Titrant used to pH 4.2								
Sample Volume	50	50	50		50	51	53	50
Alkalinity	26.2	55.2	55.1		298	798	298	358
Bicarbonate								
Carbonate								
Hydroxide								

CS: <sup>EPA</sup> APG = \_\_\_\_\_ Lot # = 5161-698 True Value = 67.9 % Rec. = 96/100, 100/94

Probe ID#: NU1 Titrant Manf: RCC 1909615

Calculations: Alkalinity =  $\frac{A \times N \times 50,000}{\text{Volume (mls)}}$  A = mls standard titrant used N = Normality of standard acid 0.02 / 0.1 N(HCL)

Comments: 0.1h 5.10 4201-1/1d z=59.5 RPD=1

Analyzed By: *ch* Date: 5/10/10  
 Received By: *[Signature]* Date: 5/11/10



Columbia Analytical Services, Inc.

Service Request #: \_\_\_\_\_ Method: EPA 310.1 / SM 2320B  
 Analysis For: Alkalinity as CaCO<sub>3</sub>: Total / Bicarbonate / Carbonate / Hydroxide

Sample #	4376-1	4376-1d	4376-8	4376-9	4252-1 <sup>c</sup>	4252-1d <sup>*</sup>	BC	4252-2 <sup>*</sup>
Initial pH	6.73	6.71	7.55	6.81	6.62	6.56	4.04	6.94
Titrant used to pH 8.3							7	
Titrant used to pH 4.5	10.59	9.72	10.62	10.58	8.49	8.33		13.29
Titrant used to pH 4.2								
Sample Volume	54	50	51	50	<del>50</del> 50	50		52
Alkalinity	196	194	208	212	849	833		1280
Bicarbonate								
Carbonate								
Hydroxide								

Sample #	4252-3 <sup>*</sup>	4252-4 <sup>*</sup>	4252-5 <sup>*</sup>	4252-6 <sup>*</sup>	4252-7	4252-8 <sup>*</sup>	4338-1	4338-2
Initial pH	7.01	7.06	7.48	6.91	7.11	6.86	7.74	7.77
Titrant used to pH 8.3								
Titrant used to pH 4.5	18.02	12.59	15.06	23.72	1.91	25.21	13.09	10.81
Titrant used to pH 4.2								
Sample Volume	50	52	10	50	50	50	50	50
Alkalinity	1800	1210	7530	2370	38.2	2520	262	216
Bicarbonate							262	216
Carbonate							<2	<2
Hydroxide								

Sample #	4338-2d	BC	MB <sub>2</sub>	LC5 <sub>2</sub>	4481-3	4481-4	4481-5	4481-5d
Initial pH	7.79	4.03	5.66	8.98	6.62	6.69	7.22	7.75
Titrant used to pH 8.3		7						
Titrant used to pH 4.5	10.89		0.19	3.52	20.41	25.88	9.21	9.08
Titrant used to pH 4.2			0.38					
Sample Volume	50		100	50	50	50	50	50
Alkalinity	218	<2	70.4	408	518	184	182	
Bicarbonate	218							
Carbonate	<2							
Hydroxide								

Comments: *pb 5/10*

4376-111d  $\bar{x} = 195$  RPD = 1<sup>\*</sup>  
 4252-111d  $\bar{x} = 841$  RPD = 2<sup>\*</sup>  
 4338-212d  $\bar{x} = 217$  RPD < 1<sup>\*</sup>  
 4481-515d  $\bar{x} = 183$  RPD = 1<sup>\*</sup>

Analyzed By: <i>nb</i>	Date: 5.10.10
Reviewed By: <i>[Signature]</i>	Date: 5/10/10

Columbia Analytical Services, Inc.

Service Request #: \_\_\_\_\_ Method: \_\_\_\_\_ EPA 310.1 / SM 2320B

Analysis For: \_\_\_\_\_ Alkalinity as CaCO<sub>3</sub>: Total / Bicarbonate / Carbonate / Hydroxide

Sample #	4483-2	4414-1	4455-1	4455-2	BV	4467-1	4591-1	4575-1
Initial pH	6.88	6.62	7.71	6.26	4.04	7.27	7.17	6.81
Titrant used to pH 8.3					7			
Titrant used to pH 4.5	3.71	1.06	2.98	0.35		8.98	3.58	13.13
Titrant used to pH 4.2				0.58				
Sample Volume	50	100	50	100		52	50	50
Alkalinity	74.2	10.6	59.6	22		173	71.6	263
Bicarbonate						173		263
Carbonate						22		22
Hydroxide						22		22

Sample #	4575-2	4575-3	4575-4	4635-1	4635-2	4635-3	MD*	BV
Initial pH	7.11	7.07	8.58	7.57	6.83	7.11	5.39	4.03
Titrant used to pH 8.3			0.04					7
Titrant used to pH 4.5	10.98	10.72	7.71	13.81	0.16	16.12	0.01	
Titrant used to pH 4.2			0.91		0.37		0.02	
Sample Volume	50	50	100	50	100	52	100	
Alkalinity	220	214	5.1	276	22	310	22	
Bicarbonate	220	214	276	276	22	310		
Carbonate	22	22	22	22	22	22		
Hydroxide	22	22	22	22	22	22		

Sample #	605*	B1						
Initial pH	8.88	4.04						
Titrant used to pH 8.3		7						
Titrant used to pH 4.5	0.64							
Titrant used to pH 4.2								
Sample Volume	50							
Alkalinity	64.0							
Bicarbonate								
Carbonate								
Hydroxide								

Comments: 9pb 5.10

Analyzed By: <u>nb</u>	Date: <u>5.10.10</u>
Revised By: <u>[Signature]</u>	Date: <u>5/11/10</u>

[Signature] 5/11/10 RE

Work Request # <sup>Original</sup> (K4575) K4587 K4590 K4591 K4607 K4635  
 Tier: I I I IA II V  
 Date Analyzed: 05/10/10  
 Analyst: Houppert  
 Analysis: NH<sub>3</sub> - 350.1 / SM 4500-NH<sub>3</sub> G

199842

**DATA QUALITY REPORT  
INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1. Is the method name and number correct and appropriate?  yes/no/NA
2. Holding times met for all analyses and for all samples?  yes/no/NA
3. Are calculations correct?  yes/no/NA
4. Is the reporting basis correct? (Dry Weight)  yes/no/NA
5. All quality control criteria met?
  - a. Is the calibration curve correlation coefficient  $\geq 0.995$ ?  yes/no/NA
  - b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency?  yes/no/NA
  - c. Are ICVs, CCVs, and CCBs all within acceptance limits?  yes/no/NA
  - d. Are results for methods blanks all ND?  yes/no/NA
  - e. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.)  yes/no/NA
  - f. Are all exceptions explained?  yes/no/NA
6. Are all service requests that apply attached?  yes/no/NA
7. Are all samples labelled correctly?  yes/no/NA
8. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample)  yes/no/NA
9. Are detection limits and units reported correctly?  yes/no/NA
10. Are proper Analysis/Extraction stickers included on report?  yes/no/NA
11. Is the unused space on the benchsheet crossed out?  yes/no/NA
12. Was analysis turned in by the due date? (n-2) (If not record SR#)  yes/no/NA

**COMMENTS:**

Final Approved by: [Signature] Date: 5/10/10 DQREPORT

Q. I I II II Q.  
 K4575, K4587, K4590, K4591, K4607, K4635

# BRAN+LUEBBE

Post-run report

199842

Name of Run : 100510C  
 Date of Report : 5/10/2010  
 Date of Run : 5/10/2010  
 Operator :  
 Comment :

Name of Analysis : Ammonia  
 System No. : 1  
 Type of System : AA3  
 Start/Stop time : 11:11 - 12:09

Channel	:	2	LCS ID#:	B+LNH <sub>3</sub> /-34-J	TV.=14.3
Method	:	Method 2	Spike ID#:	B+LNH <sub>3</sub> /-72-JI	TV.=2.00
Unit	:	mg/L	Curve, CCVID#:	B+LNH <sub>3</sub> /-55-T	TV.=2.00
Calibr. Fit	:	Linear	MBMS =	2.00	
Corr. Coeff.	:	1.0000			
Base	:	-19737			
Gain	:	20			
Sensitivity	:	0.4382			
Sample Limit 1	:				
Sample Limit 2	:				

Pk	Cup	Sample Id	Value
0	0	B Baseline	-0.0122
1	1	P Primer	5.0010
2	1	D Drift	5.0038
3	1	C 5.00	5.0091
4	2	C 2.00	1.9771
5	3	C 0.50	0.4987
6	4	C 0.05	0.0470
7	5	C 0	0.0181
8	0	B Baseline	-0.0122
9	1	H1 High	4.9788
10	0	L1 Low	-0.0070
11	0	L1 Low	-0.0070
12	5	QC2 CCB1	0.0005 <0.020
13	2	QC1 CCV1	1.9705 1.97 99%
14	10	QC3 LCS1*10	1.4148 14.1 99%
15	11	S MB MS	2.0361 2.04 102%
16	0	N Null	-0.0086N
17	5	QC2 MB1	0.0020 <0.020
18	34	S k1004575-001diss.	0.0067 <0.020
19	35	S k1004575-002diss.	0.4366 0.437
20	36	S k1004575-003diss.	0.4419 0.442
21	37	S k1004575-004diss.	-0.0111 <0.020
22	38	S k1004587-001	-0.0020 <0.050
23	0	B Baseline	-0.0122
24	5	QC2 CCB2	0.0094 <0.020
25	2	QC1 CCV2	1.9645 1.96 98%
26	39	S k1004587-002	0.0044 <0.050

5/10/10  
 5/10/10  
 Thompson

27	40	S	k1004590-001diss.	0.2440	0.244	
28	41	S	k1004591-001	0.2145	0.215	
29	42	S	k1004607-001	1.6869	1.69	
30	43	S	k1004635-001diss.	-0.0004	<0.020	$\bar{x} = ND$ RPD = -
31	44	S	k1004635-001ddiss.	-0.0002	<0.020	
32	45	S	k1004635-001msdiss.	2.0665	2.07	104%
33	46	S	k1004635-001msddiss	2.1433	2.14	107%
34	47	S	k1004635-002 diss.	0.0177	<0.020	
35	0	B	BASELINE	-0.0122		
36	5	QC2	CCB-3	-0.0009	<0.020	
37	2	QC1	CCV-3	1.9652	1.97	99%
38	48	S	k1004635-003diss.	0.0212	0.0212	
39	0	B	Baseline	-0.0122		
40	5	QC2	CCB4	-0.0011	<0.020	
41	2	QC1	CCV4	1.9679	1.97	99%
42	1	D	Drift	5.0038		
43	0	B	Baseline	-0.0122		
44	0	B	FinalBase	-0.0122		

QC Limits

Channel	:	2
QC 1	Unused	
QC 2	Unused	
QC 3	Unused	
QC 4	Unused	
QC 5	Unused	
QC 6	Unused	
QC 7	Unused	
QC 8	Unused	
QC 9	Unused	
QC10	Unused	

CORRECTIONS

Channel	:	2
Baseline	:	Yes
Drift	:	Yes
Carry over	:	Yes
%:		0.3

- \* ... Sample offscale
- + ... Result higher than sample limit
- ... Result lower than sample limit
- P ... Standard passed
- F ... Standard failed
- N ... Value not calculated or not used
- R ... Resample after offscale
- M ... Peak marker moved manually
- D ... Diluted sample

*5/10/10*  
*05/10/10*  
*Hougeny*

BRAN+LUEBBE AACE 6.02  
\*\* <END OF REPORT> \*\*

Post-run Report

*SM*  
5/10/10

05/10/10  
*Haugen*

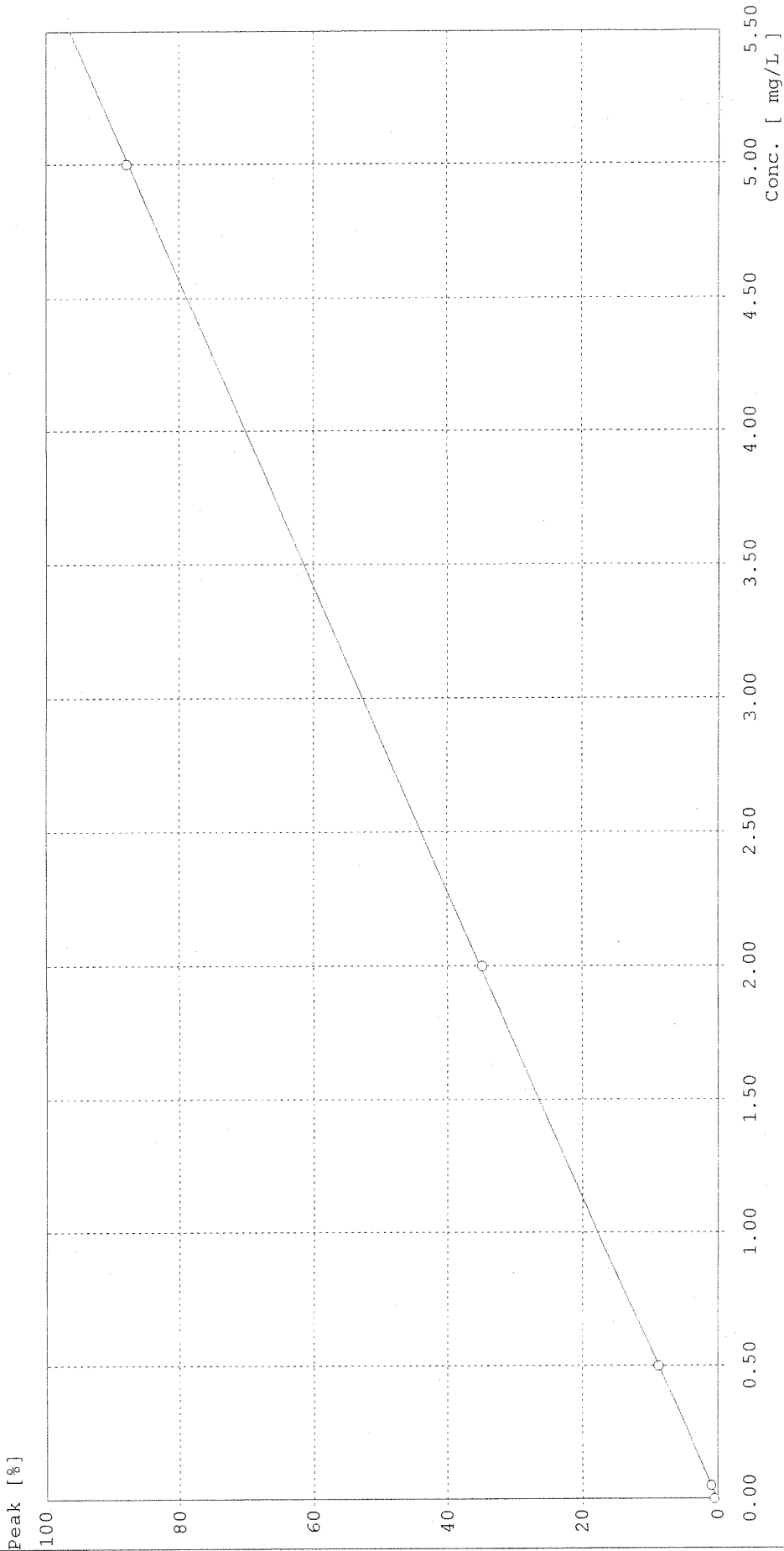
# BRAN+LUEBBE

Calibration Curve

Name of run : 100510C.run  
Comment :

Name of analysis : Ammonia

Channel : 2  
Method : Method 2  
Curve fit : linear      a=-2.9480E-001      b=8.7276E-005  
Corr. coeff. : 1.0000



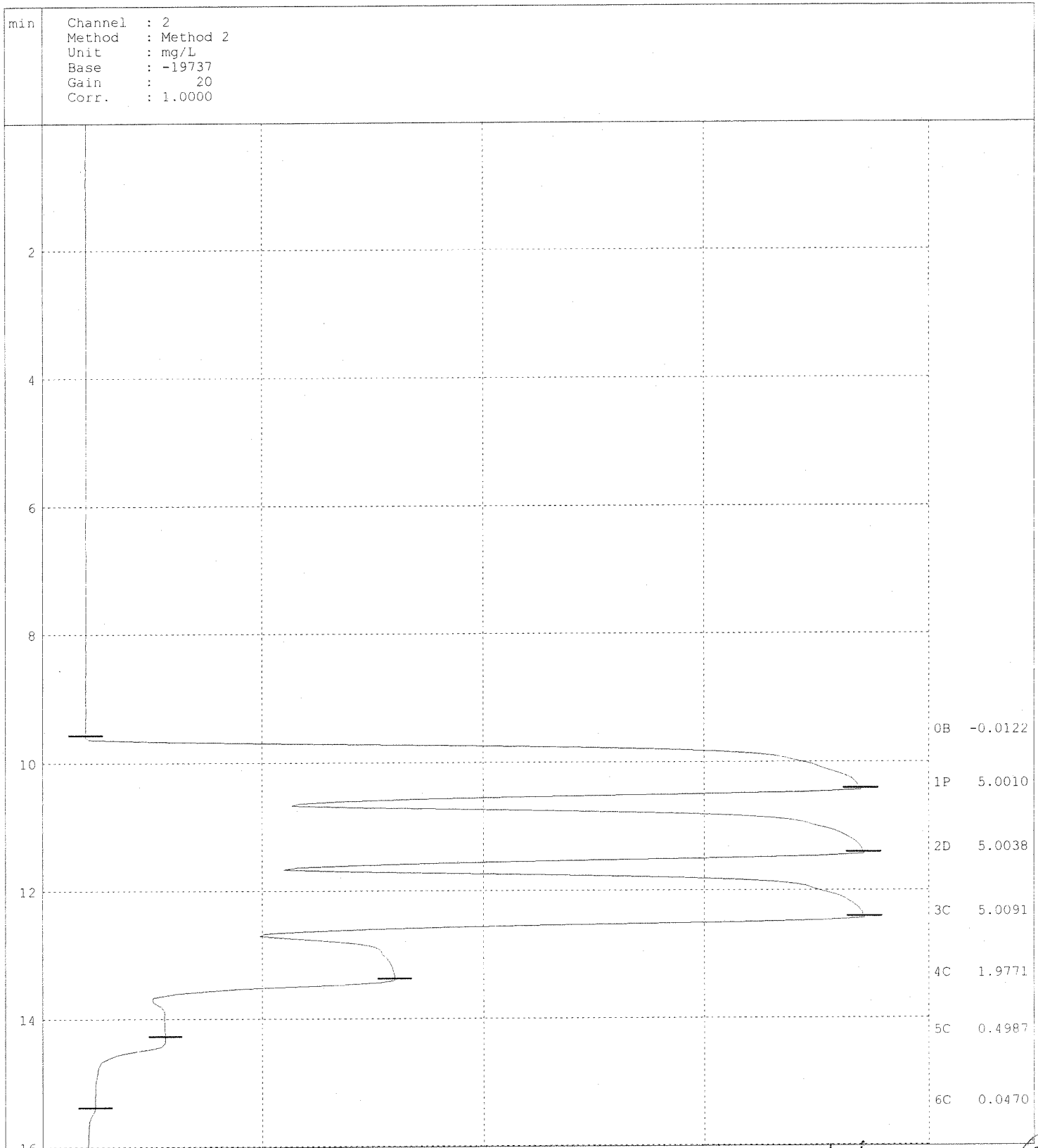
*05/10/10  
Fengyuan  
5/10/10*

# BRAN+LUEBBE

Post-run chart

Name of run :100510C.RUN  
Comment :

Name of analysis :Ammonia



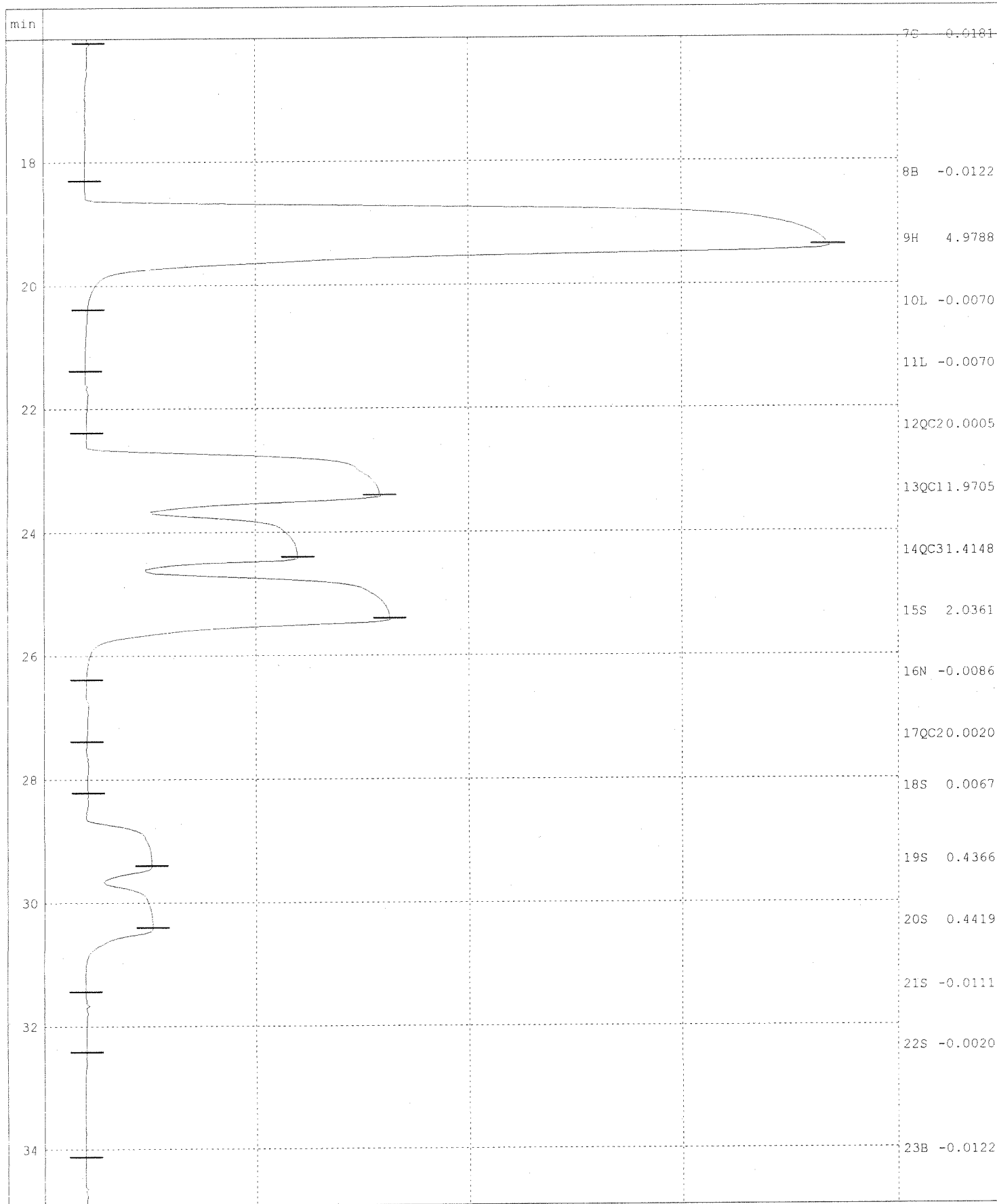
*05/10/10*  
*Ammonia*  
*5/10/10*



Name of run :100510C.RUN

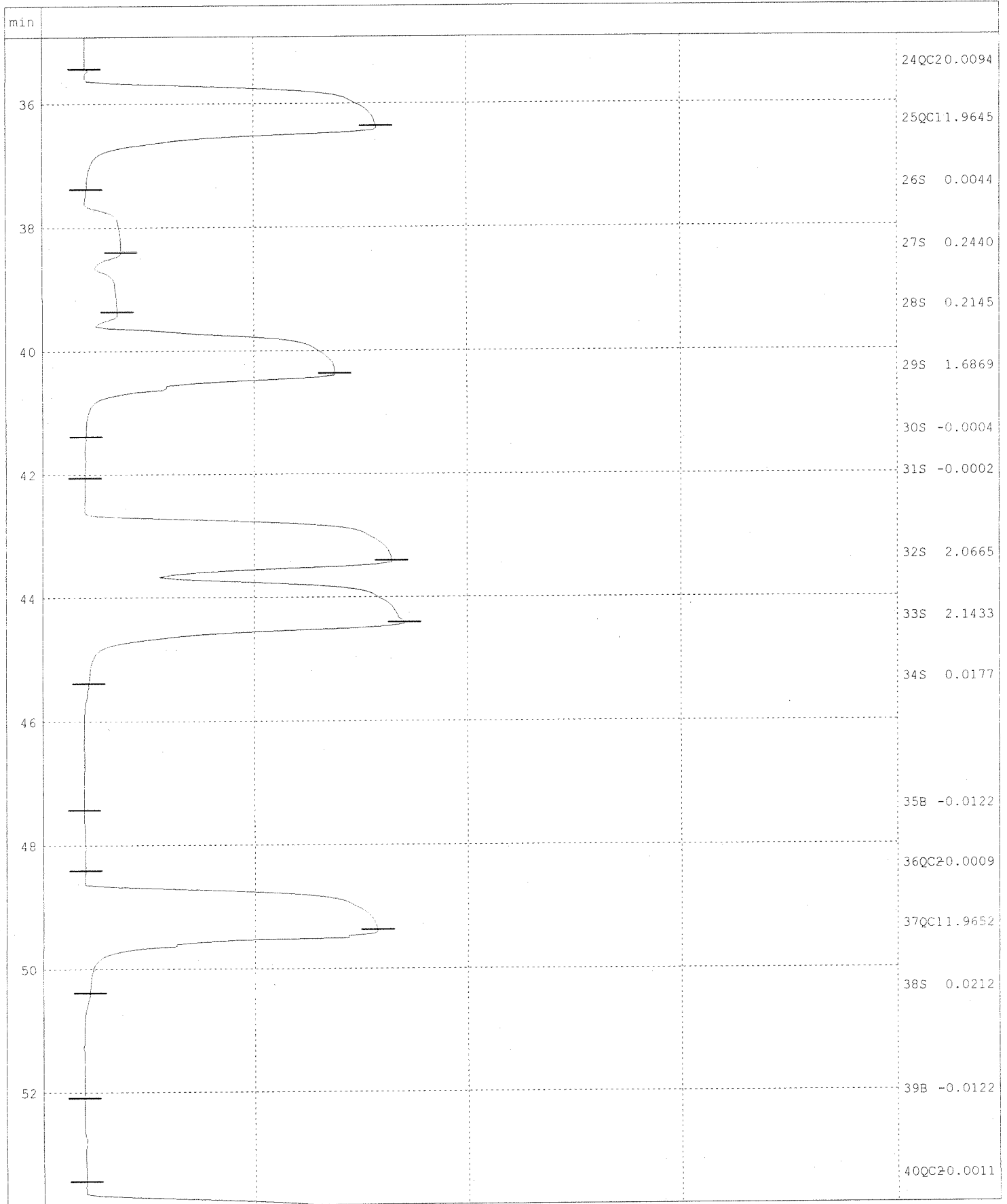
Name of analysis :Ammonia

Comment :



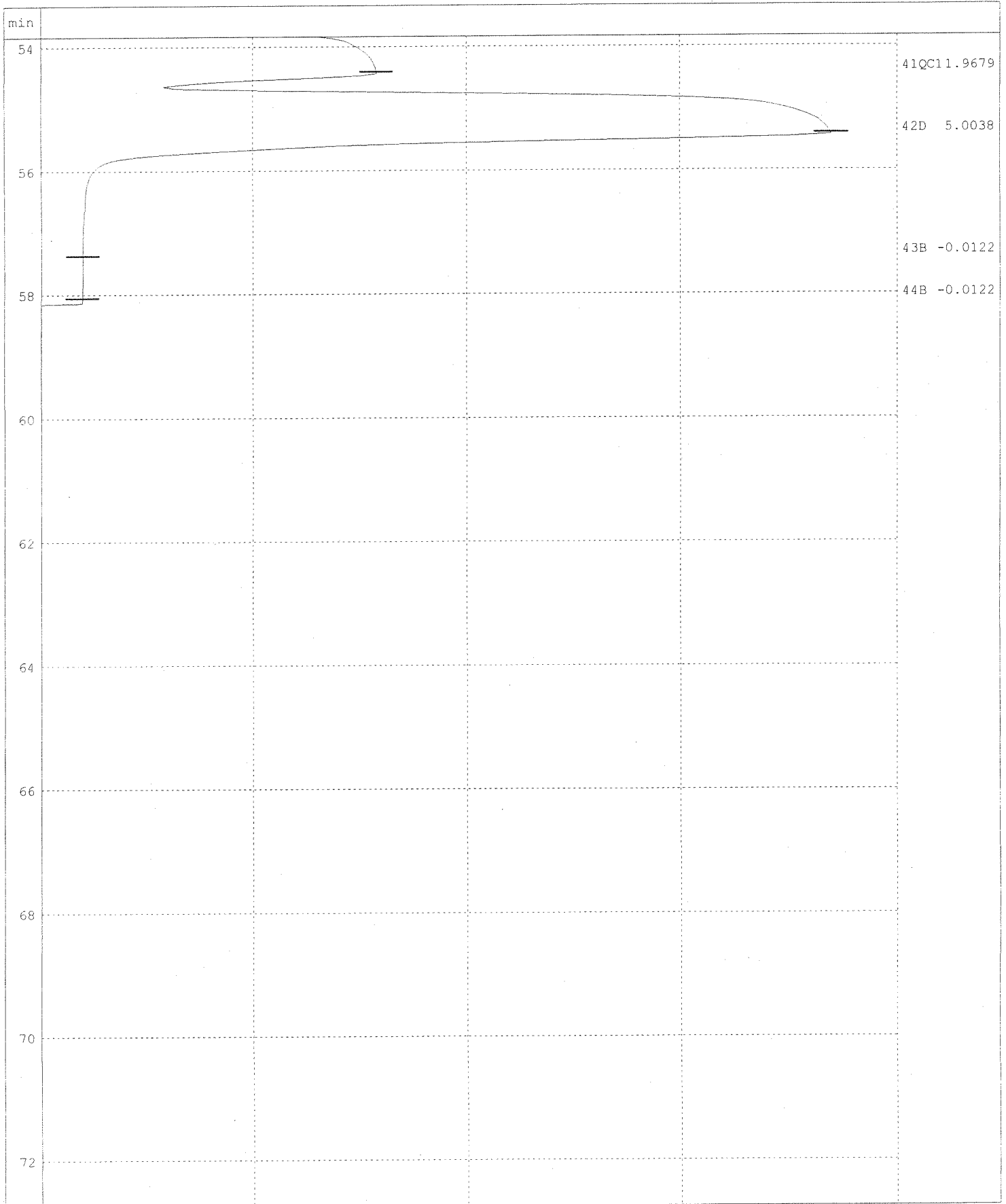
Name of run :100510C.RUN  
Comment :

Name of analysis :Ammonia



Name of run :100510C.RUN  
Comment :

Name of analysis :Ammonia



Original  
 Work Request # 174635  
 Tier: III  
 Date Analyzed: 5/8/10  
 Analyst: [Signature]  
 Analysis: 365.3 DRoz

200186

**DATA QUALITY REPORT  
 INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1. Is the method name and number correct and appropriate? yes/no/NA
2. Holding times met for all analyses and for all samples? yes/no/NA
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  - b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency? yes/no/NA
  - c. Are ICVs, CCVs, and CCBs all within acceptance limits? yes/no/NA
  - d. Are results for methods blanks all ND? yes/no/NA
  - e. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.) yes/no/NA
  - f. Are all exceptions explained? yes/no/NA
6. Are all service requests that apply attached? yes/no/NA
7. Are all samples labelled correctly? yes/no/NA
8. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample) yes/no/NA
9. Are detection limits and units reported correctly? yes/no/NA
10. Are proper Analysis/Extraction stickers included on report? yes/no/NA
11. Is the unused space on the benchsheet crossed out? yes/no/NA
12. Was analysis turned in by the due date? (n-2) (If not record SR#) yes/no/NA

**COMMENTS:**

Final Approved by: [Signature] Date: 5/12/10 DQREPORT

# Analytical Results Summary

Instrument Name:	K-UV-VIS-01	Analyst:	SARWOOD	Analysis Lot:	200186	Method/Testcode:	365.3/O Phos T							
ab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	POL	% Rec	% RSD	Date Analyzed	QC? Tier
1004635-001	Orthophosphate as Phosphorus	N/A		Water	0.04 mg/L	50 mL	0.039 mg/L	1	0.004	0.010			5/8/10 12:00:00	N V
1004635-002	Orthophosphate as Phosphorus	N/A		Water	0.00 mg/L	50 mL	0.010 mg/L	1	0.004	0.010			5/8/10 12:00:00	N V
1004635-003	Orthophosphate as Phosphorus	N/A		Water	0.06 mg/L	50 mL	0.065 mg/L	1	0.004	0.010			5/8/10 12:00:00	N V
Q1004220-01	Orthophosphate as Phosphorus	CCB		Water	0.00 mg/L	50 mL	0.010 mg/L	1	0.004	0.010			5/8/10 12:00:00	N V
Q1004220-02	Orthophosphate as Phosphorus	CCV		Water	0.48 mg/L	0.5 mL	48.2 mg/L	1	0.4	1.0			5/8/10 12:00:00	N V
Q1004220-03	Orthophosphate as Phosphorus	MB		Water	0.00 mg/L	50 mL	0.010 mg/L	1	0.004	0.010			5/8/10 12:00:00	N V
Q1004220-04	Orthophosphate as Phosphorus	LCS		Water	0.35 mg/L	5 mL	3.48 mg/L	1	0.04	0.10			5/8/10 12:00:00	N V
Q1004220-05	Orthophosphate as Phosphorus	MS		Water	0.19 mg/L	50 mL	0.192 mg/L	1	0.004	0.010			5/8/10 12:00:00	N V
Q1004220-06	Orthophosphate as Phosphorus	DMS		Water	0.39 mg/L	50 mL	0.390 mg/L	1	0.004	0.010	98		5/8/10 12:00:00	N V
Q1004220-07	Orthophosphate as Phosphorus	DUP		Water	0.00 mg/L	50 mL	0.010 mg/L	1	0.004	0.010		NC	5/8/10 12:00:00	N V
Q1004220-08	Orthophosphate as Phosphorus	CCV		Water	0.47 mg/L	0.5 mL	47.3 mg/L	1	0.4	1.0			5/8/10 12:00:00	N V
Q1004220-09	Orthophosphate as Phosphorus	CCB		Water	0.00 mg/L	50 mL	0.010 mg/L	1	0.004	0.010			5/8/10 12:00:00	N V

750  
5/12/10

indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

5/8/10  
1200µm

DU520 S/N: 0112U2001732 1.03  
08-MAY-10 12:24:54 SCA Group 0781  
Wavelength: 650.0 nm  
Formula: A=a+bC a: -0.0048 b: 2.0667

Sample	Net A	Dil X	mg/L
0001	0.000	1.0000	0.0025 CCB
0002	0.991	1.0000	0.4817 CCV
0003	0.001	1.0000	0.0028 MB <sub>1</sub>
0004	0.714	<del>1.0000</del> 1/10	0.3476 LCS <sub>1</sub>
0005	0.076	1.0000	0.0390 K4635-1
0006	0.001	1.0000	0.0028 - 2
0007	0.000	1.0000	0.0025 - 2d
0008	0.392	1.0000	0.1922 - 2ms
0009	0.801	1.0000	0.3901 - 2msd
0010	0.129	1.0000	0.0647 - 3
0011	-0.002	1.0000	0.0014 CCB-2
0012	0.974	1.0000	0.4734 CCV-2

02  
5/12/10

DU520 S/N: 0112U2001732 1.03  
08-MAY-10 12:24:27 SCA  
Wavelength: 650.0 nm  
Formula: A=a+bC a: -0.0048 b: 2.0667

Ophos (H<sub>2</sub>O)

5/8/10

1h 4635/10

mg/L	Net A	r2=1.000	Var=0.0002
0.0000	0.000		
0.0100	0.021		
0.0500	0.102		
0.1000	0.199		
0.2000	0.401		
0.5000	1.007		
0.7000	1.460		

CURVE ID# : PO<sub>3</sub>/3-4-J

CCV ID# : PO<sub>3</sub>/3-24-J

gnd  
5/12/10

OTE 5/8/10

**Service Request Summary**

**Folder #:** K1004635  
**Client Name:** Exponent  
**Project Name:** Heglar Kronquist  
**Project Number:** 0907194.000.0601

**Report To:** Melissa Kleven  
 Exponent  
 15375 Southeast 30th Place, Suite 250  
 Bellevue, WA 98007  
 425-519-8774

**Phone Number:** 425-643-9827  
**Cell Number:** 425-519-8774  
**Fax Number:** 425-643-9827  
**E-mail:** mkleven@exponent.com

**Project Chemist:** Pradeep Divvela  
**Originating Lab:** KELSO  
**Logged By:** FADAIR  
**Date Received:** 5/8/10  
**Internal Due Date:** 5/30/10

**QAP:** LAB QAP  
**Qualifier Set:** CAS Standard  
**Formset:** CAS Standard  
**Merged?:** Y  
**Report to MDL?:** Y  
**P. O. Number:**  
**EDD:** VAST

TEMPORARY

- 3 - 500 mL-Plastic Bottle NM CLEAR Unpreserved
- 3 - 1000 mL-Plastic Bottle NM CLEAR Unpreserved
- 3 - 250 mL-Plastic Bottle NM CLEAR Unpreserved
- 3 - 500 mL-Plastic Bottle NM CLEAR H2SO4
- 3 - 500 mL-Plastic Bottle NM CLEAR HNO3

**Location:** K-Dellilah-28

CAS Samp No.	Client Samp No.	Matrix	Collected	300.0/ Chloride	300.0/ F	300.0/ SO4	350.1/ Ammonia T	353.2/ NO2	353.2/ NO3	365.3/ O Phos T	SM 2320 B/ Alkalinity Titr	SM 2320 B/ Bicarb Alk	SM 2320 B/ Carbonate Alk	SM 2320 B/ Hydroxide Alk
K1004635-001	BH-11-62	Water	5/7/10 1235	V	V	V	V	V	V	V	V	V	V	V
K1004635-002	EB-050710	Water	5/7/10 1610	V	V	V	V	V	V	V	V	V	V	V
K1004635-003	BH-9	Water	5/7/10 1630	V	V	V	V	V	V	V	V	V	V	V

**Test Comments:**

Group	Test/Method	Samples
Metals	Metals T/200.7	1-3
Metals	Metals T/200.8	1-3

**Comments**  
 Ba, Mn, Zn, Fe, Mg, Al, Na, Ca, K  
 Sb, As, Be, Cd, Cr, Co, Cu, Pb, Ni, Se, Ag, Tl, V, Zn



CAS Samp No.	Client Samp No.	Matrix	Collected	GenChem	Metals
K1004635-001	BH-11-62	Water	5/7/10 1255	SM 2540 C/ TDS	
K1004635-002	EB-050710	Water	5/7/10 1610	V	V
K1004635-003	BH-9	Water	5/7/10 1630	V	V
				200.7/ Metals T	V
				200.8/ Metals T	V
				245.1/ Hg T	V

Work Request # <sup>Original</sup> (K4422) K4423 K4424 K4425 K4427 K4455 K4587 K4590 K4666 K4575 K4635  
 Tier: II II II II II III V I III III III  
 Date Analyzed: 05/11/10  
 Analyst: Houyoumy  
 Analysis: NO<sub>2</sub>/NO<sub>3</sub> - 353.2

200087

**DATA QUALITY REPORT  
INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1. Is the method name and number correct and appropriate? (yes/no/NA)
2. Holding times met for all analyses and for all samples? yes/(no/NA)
3. Are calculations correct? (yes/no/NA)
4. Is the reporting basis correct? (Dry Weight) yes/no/(NA)
5. All quality control criteria met? (yes/no/NA)
  - a. Is the calibration curve correlation coefficient  $\geq 0.995$ ? (yes/no/NA)
  - b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency? (yes/no/NA)
  - c. Are ICVs, CCVs, and CCBs all within acceptance limits? (yes/no/NA)
  - d. Are results for methods blanks all ND? (yes/no/NA)
  - e. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.) (yes/no/NA)
  - f. Are all exceptions explained? yes/no/(NA)
6. Are all service requests that apply attached? (yes/no/NA)
7. Are all samples labelled correctly? (yes/no/NA)
8. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample) (yes/no/NA)
9. Are detection limits and units reported correctly? (yes/no/NA)
10. Are proper Analysis/Extraction stickers included on report? (yes/no/NA)
11. Is the unused space on the benchsheet crossed out? (yes/no/NA)
12. Was analysis turned in by the due date? (n-2) (If not record SR#) (yes/no/NA)

COMMENTS: 2. K4666 - rec'd past hold time

Final Approved by: [Signature] Date: 5/12/10 DQREPORT

ii. ii. ii. ii. ii. iii. v. i. iii. iii. iii.  
 K4422, K4423, K4424, K4425, K4427, K4455, K4587, K4590, K4666, K4575, K4635

↓  
 diss.      ↓  
             rec'd post cold time

BRAN+LUEBBE AACE 6.02

Post-run Report

# BRAN+LUEBBE

Post-run report

Name of Run : 100511C  
 Date of Report : 5/11/2010  
 Date of Run : 5/11/2010  
 Operator :  
 Comment :

Name of Analysis : NO2+NO3.ANL  
 System No. : 1  
 Type of System : AA3  
 Start/Stop time : 13:11 - 14:42

Channel	:	2	LCS ID# : B+LNH <sub>2</sub> /-34-I	T.V. = 14.8
Method	:	Method 2	Spike ID# : B+LNO <sub>2</sub> /-94-Y	T.V. = 2.00
Unit	:	mg/L	Curve, CV ID# : B+LNO <sub>2</sub> /-85-V	T.V. = 2.00
Calibr. Fit	:	Linear	ICV ID# : B+LNO <sub>2</sub> /-80-S	T.V. = 2.00
Corr. Coeff.	:	0.9999		
Base	:	-21372		
Gain	:	6		
Sensitivity	:	1.5173	MB MS = 2.00	
Sample Limit 1	:			
Sample Limit 2	:			

Pk	Cup	Sample Id	Value
0	0	B Baseline	0.0081
1	1	P primer	5.0036
2	1	D Drift	4.9797
3	1	C 5.00	5.0161
4	2	C 2.00	1.9579
5	3	C 0.50	0.5019
6	4	C 0.05	0.0612
7	5	C 0	0.0130
8	1	H1 High	4.9965
9	0	L1 Low	0.0269
10	0	L1 Low	0.0513
11	9	QC3 ICV	1.9433
12	5	QC2 ICB	0.0179
13	5	QC2 CCB1	0.0124
14	2	QC1 CCV1	1.9298
15	10	QC4 LCS1*10	1.4552
16	11	S MB MS	1.9840
17	0	N Null	0.0168N
18	5	QC2 MB1	0.0092
19	12	S k1004422-001	0.1661
20	13	S k1004422-001d	0.1666
21	14	S k1004422-001ms	2.1539
22	15	S k1004422-001msd	2.1575
23	16	S k1004422-002	0.1818
24	0	B Baseline	0.0081
25	5	QC2 CCB2	0.0104
26	2	QC1 CCV2	1.9269

1.94 97%  
 0.0187  
 0.0127 97%  
 1.93 97%  
 14.6 99%  
 1.98 99%  
 0.0097  
 0.166  $\bar{x} = 0.167$  RPD < 1%  
 0.167  
 2.15 99%  
 2.16 100%  
 0.182  
 0.0107 97%  
 1.93 97%

5/11/10  
 5/12/10

05/11/10  
 Ferguson

27	17	S	k1004422-003	0.1795	0.180	
28	18	S	k1004423-001	0.1516	0.152	
29	19	S	k1004423-002	0.1588	0.159	
30	20	S	k1004423-003	0.1520	0.152	
31	21	S	k1004424-001	0.2296	0.230	
32	22	S	k1004424-002	0.2278	0.228	
33	23	S	k1004424-003	0.2288	0.229	
34	24	S	k1004425-001	0.1435	0.144	
35	25	S	k1004425-002	0.1560	0.156	
36	0	B	Baseline	0.0081		
37	5	QC2	CCB3	0.0118	0.0127	
38	2	QC1	CCV3	1.9083	1.91	96%
39	26	S	k1004425-003	0.1427	0.143	
40	27	S	k1004427-001	0.1502	0.150	
41	28	S	k1004427-002	0.1455	0.146	
42	29	S	k1004427-003	0.1579	0.158	
43	30	S	k1004455-001	0.0113	0.0117	$\bar{x} = 0.0117$ RPD < 1%
44	31	S	k1004455-001d	0.0107	0.0117	
45	32	S	k1004455-001ms	2.0008	2.00	99%
46	33	S	k1004455-001msd	2.0038	2.00	99%
47	34	S	k1004455-002	0.0185	0.0197	
48	0	B	Baseline	0.0081		
49	5	QC2	CCB4	0.0121	0.0127	96%
50	2	QC1	CCV4	1.9233	1.92	
51	10	QC4	LCS2*10	1.4390	14.4	97%
52	10	QC4	LCS2dup*10	1.4427	14.4	97%
53	0	N	Null	0.0159N		
54	5	QC2	MB2	0.0135	0.0147	
55	35	S	k1004587-001	0.5898	0.590	
56	36	S	k1004587-002	0.0605	0.061	
57	37	S	k1004590-001diss.	0.0329	<0.050	
58	38	S	k1004666-001	2.2671	2.27	
59	39	S	k1004666-002	2.8851	2.89	
60	0	B	Baseline	0.0081		
61	5	QC2	CCB5	0.0130	0.0137	
62	2	QC1	CCV5	1.9268	1.93	97%
63	40	S	k1004575-001	0.0449	0.0457	
64	41	S	k1004575-002*25	2.0673	51.7	
65	42	S	k1004575-003*25	2.0871	52.2	
66	43	S	k1004575-004	0.0303	0.0307	
67	44	S	k1004635-001*10	0.9934	9.93	
68	45	S	k1004635-002	0.0423	0.0427	
69	46	S	k1004635-003*5	1.3185	6.59	
70	0	B	Baseline	0.0081		
71	5	QC2	CCB6	0.0118	0.0127	
72	2	QC1	CCV6	1.9241	1.92	96%
73	1	D	Drift	4.9797		
74	0	B	Baseline	0.0081		
75	0	B	FinalBase	0.0081		

SJK  
5/12/10

QC Limits

05/11/10  
Ferguson

Channel : 2  
QC 1 Unused  
QC 2 Unused  
QC 3 Unused  
QC 4 Unused  
QC 5 Unused  
QC 6 Unused  
QC 7 Unused  
QC 8 Unused  
QC 9 Unused  
QC10 Unused

---

## CORRECTIONS

Channel : 2  
Baseline : Yes  
Drift : Yes  
Carry over : No  
%: Negative

---

\* ... Sample offscale  
+ ... Result higher than sample limit  
- ... Result lower than sample limit  
P ... Standard passed  
F ... Standard failed  
N ... Value not calculated or not used  
R ... Resample after offscale  
M ... Peak marker moved manually  
D ... Diluted sample

\*\* <END OF REPORT> \*\*

*SAD*  
*5/12/10*

*05/11/10*  
*Haugen*

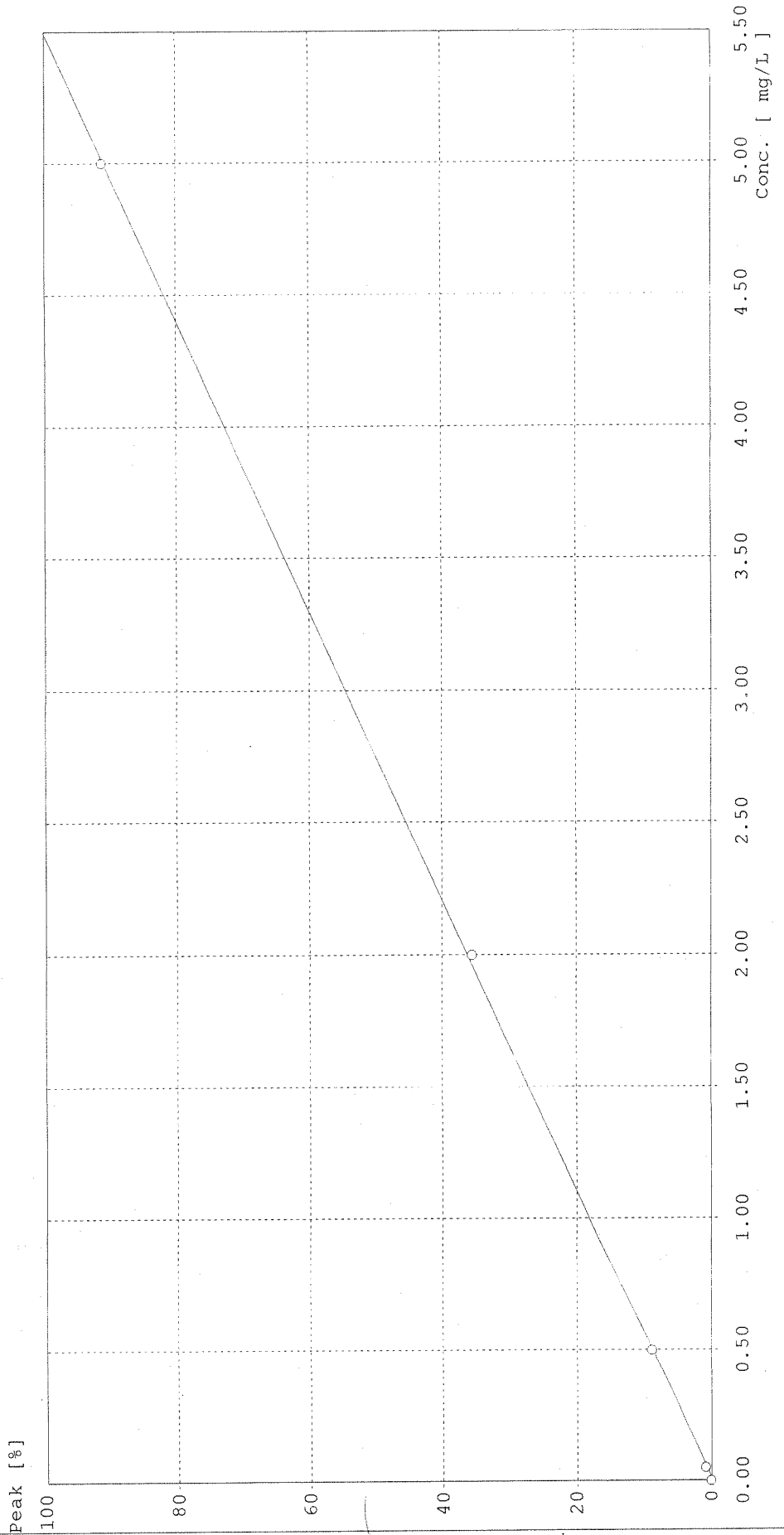
# BRAN+LUEBBE

Calibration Curve

Name of run : 100511C.run  
Comment :

Name of analysis : NO2+NO3.ANL

Channel : 2  
Method : Method 2  
Curve fit : linear      a=-2.5321E-001      b=8.3719E-005  
Corr. coeff. : 0.9999



*5/12/10*  
*05/11/10*  
*Flouy*

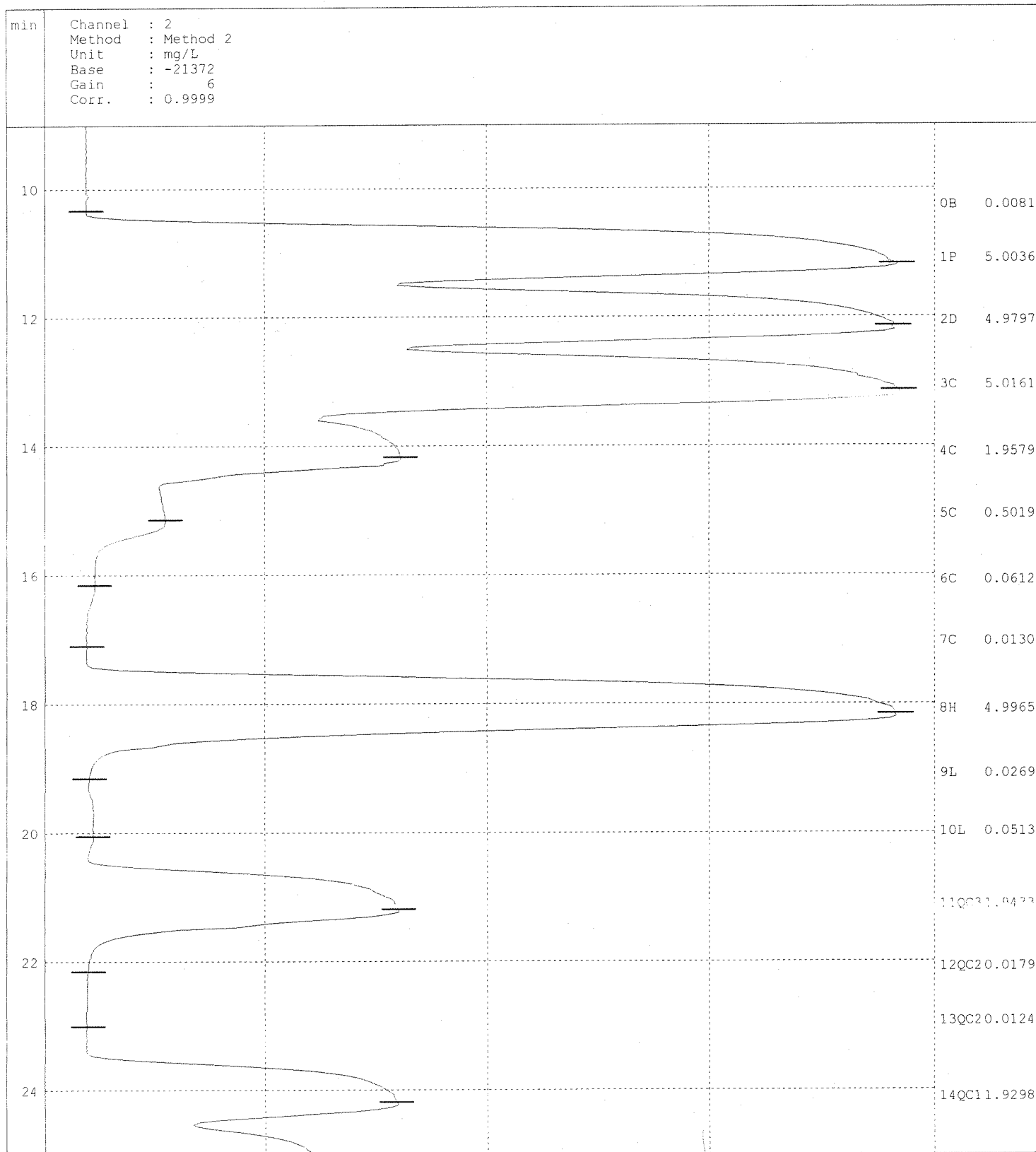
# BRAN+LUEBBE

Post-run chart

Name of run :100511C.RUN

Name of analysis :NO2+NO3.ANL

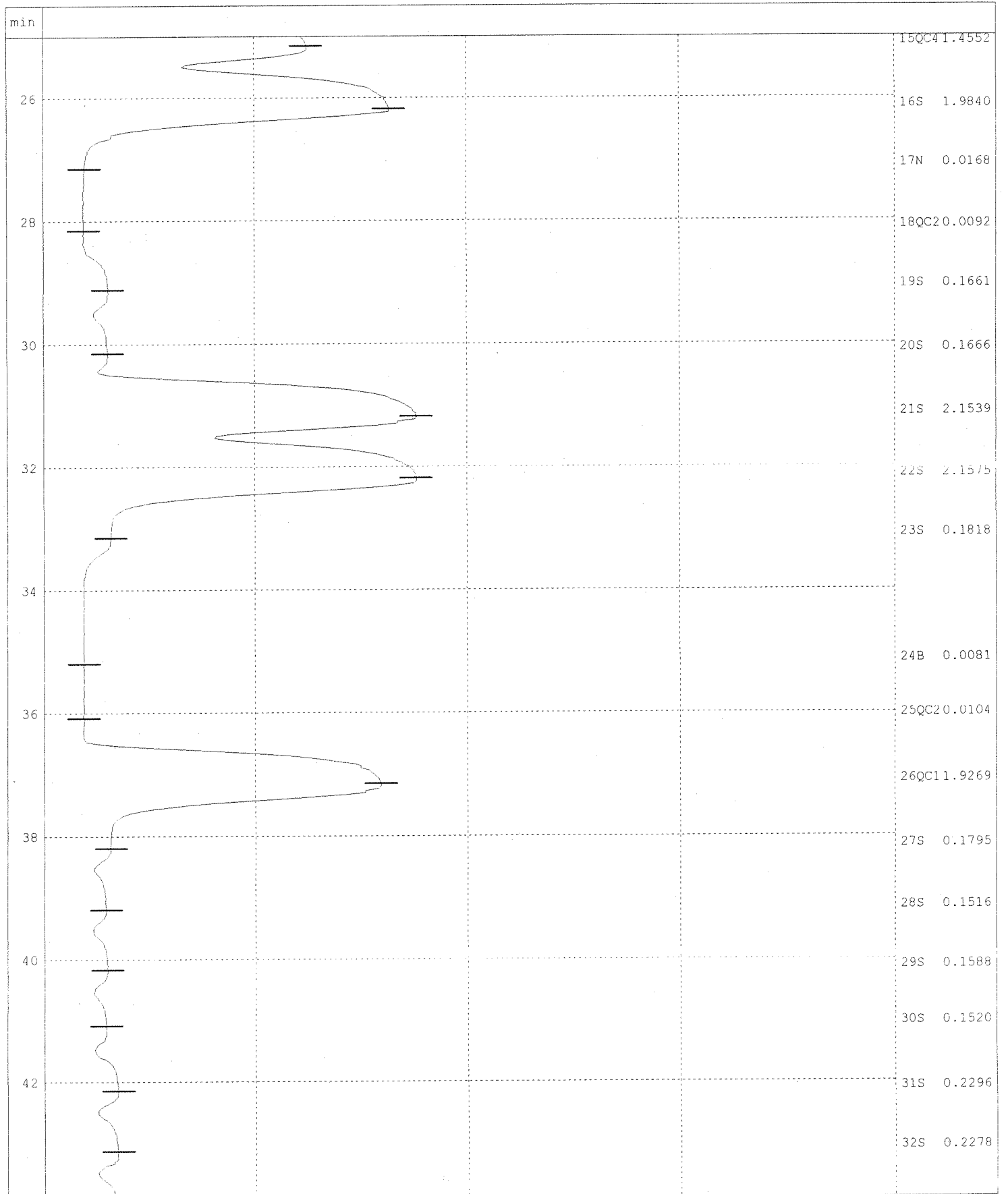
Comment :



*5/12/10*  
*05/11/10*  
*Freyer*

Name of run :100511C.RUN  
Comment :

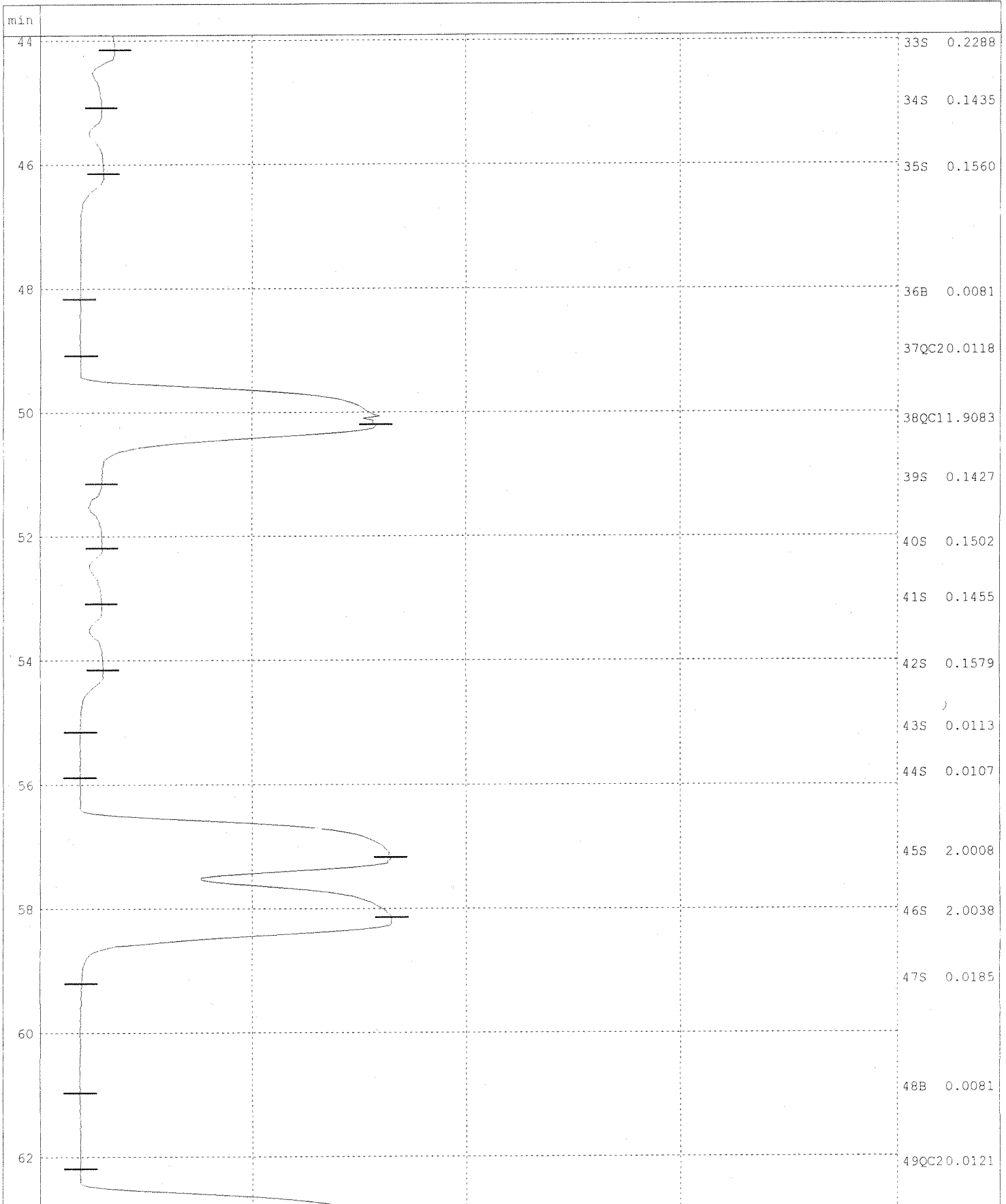
Name of analysis :NO2+NO3.ANL





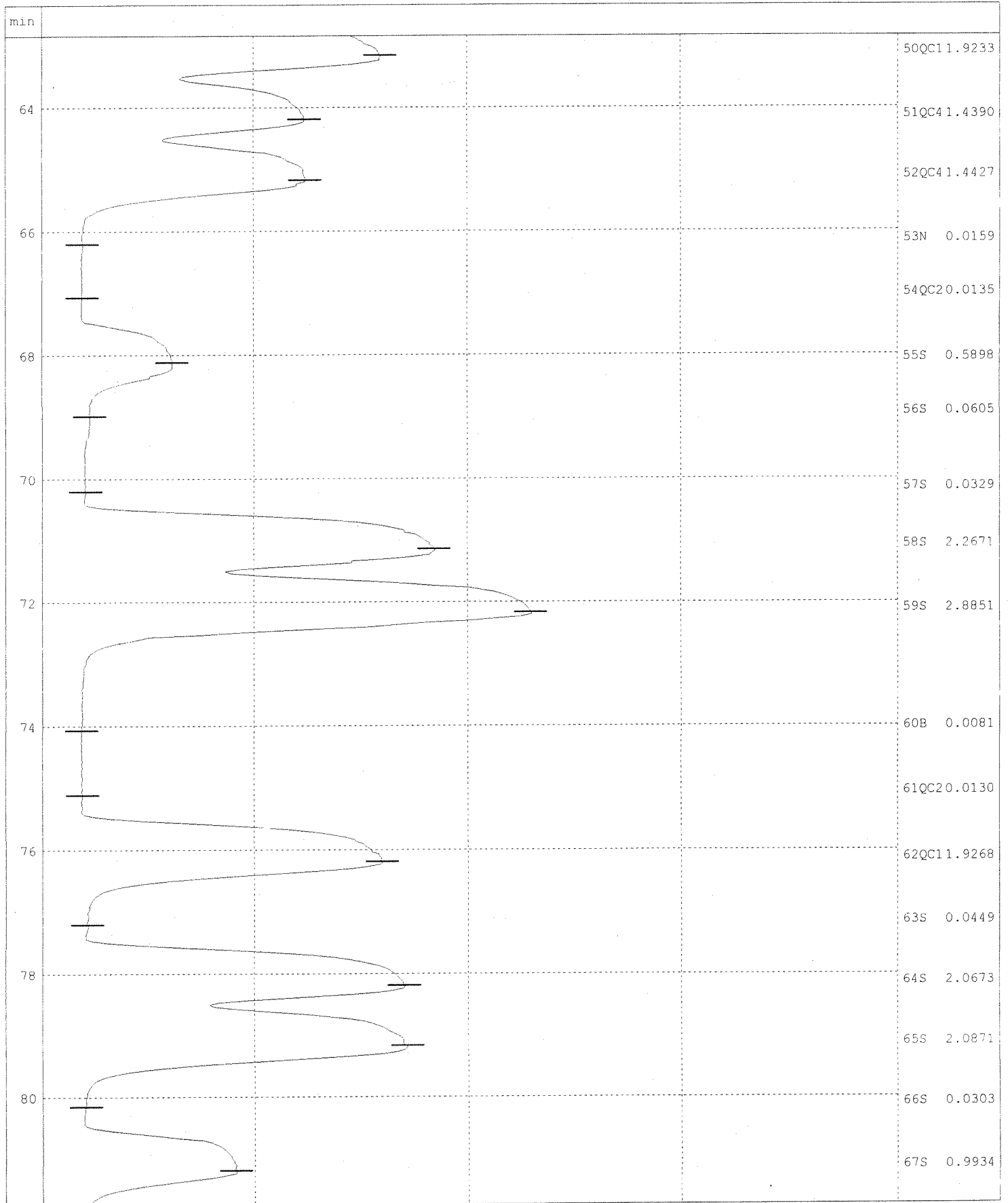
Name of run :100511C.RUN  
Comment :

Name of analysis :NO2+NO3.ANL



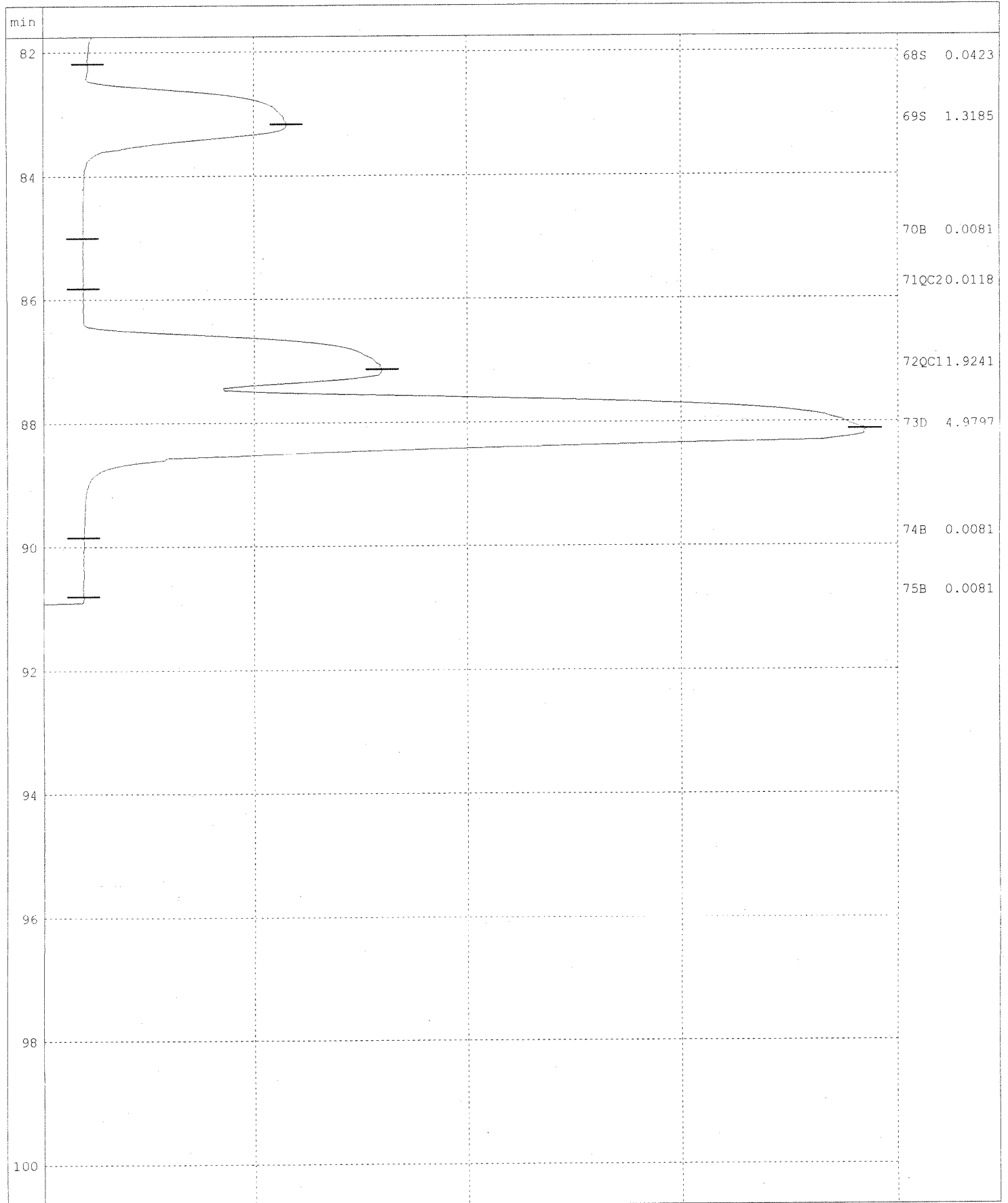
Name of run :100511C.RUN  
Comment :

Name of analysis :NO2+NO3.ANL



Name of run :100511C.RUN  
Comment :

Name of analysis :NO2+NO3.ANL



Original :  
 Work Request # (K4635)  
 Tier: V  
 Date Analyzed: 05/08/10  
 Analyst: Frangou  
 Analysis: NO<sub>2</sub> - 353.2 199753

**DATA QUALITY REPORT  
 INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

- |     |   |           |
|-----|---|-----------|
| 1.  | Is the method name and number correct and appropriate?  | yes/no/NA |
| 2.  | Holding times met for all analyses and for all samples?   | yes/no/NA |
| 3.  | Are calculations correct?   | yes/no/NA |
| 4.  | Is the reporting basis correct? (Dry Weight)  | yes/no/NA |
| 5.  | All quality control criteria met?   | yes/no/NA |
| a.  | Is the calibration curve correlation coefficient $\geq 0.995$ ?   | yes/no/NA |
| b.  | MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency?                                      | yes/no/NA |
| c.  | Are ICVs, CCVs, and CCBs all within acceptance limits?  | yes/no/NA |
| d.  | Are results for methods blanks all ND?  | yes/no/NA |
| e.  | Are all QC samples within acceptance criteria?<br>(LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.)       | yes/no/NA |
| f.  | Are all exceptions explained?   | yes/no/NA |
| 6.  | Are all service requests that apply attached?   | yes/no/NA |
| 7.  | Are all samples labelled correctly?   | yes/no/NA |
| 8.  | Have all instructions on the service request been followed?<br>(e.g. Special MRLs, QC on a specific sample) | yes/no/NA |
| 9.  | Are detection limits and units reported correctly?  | yes/no/NA |
| 10. | Are proper Analysis/Extraction stickers included on report?   | yes/no/NA |
| 11. | Is the unused space on the benchsheet crossed out?  | yes/no/NA |
| 12. | Was analysis turned in by the due date? (n-2) (If not record SR#)   | yes/no/NA |

**COMMENTS:**

Final Approved by:  Date: 5/10/10 DQREPORT

D.  
K4635

# BRAN+LUEBBE

Post-run report

Name of Run : 100508A  
Date of Report : 5/8/2010  
Date of Run : 5/8/2010  
Operator :  
Comment :

Name of Analysis : Nitrite.ANL  
System No. : 1  
Type of System : AA3  
Start/Stop time : 10:56 - 11:35

Channel : 2  
Method : Method 2  
Unit :  
Calibr. Fit : Linear  
Corr. Coeff. : 1.0000  
Base : -20655  
Gain : 5  
Sensitivity : 1.5527  
Sample Limit 1 :  
Sample Limit 2 :

LCS ID# : B+LNO<sub>3</sub>/1-94-T T.V.=4.00  
Spike ID# : AN/11-27-S T.V.=2.00  
Curve, CCV ID# : B+LNO<sub>3</sub>/1-80A T.V.=2.00

Pk	Cup	Sample Id	Value
0	0	B Baseline	-0.0028
1	1	P Primer	4.9676
2	1	D Drift	4.9963
3	1	C 5.00	5.0041
4	2	C 2.00	1.9902
5	3	C 0.50	0.4974
6	4	C 0.05	0.0524
7	5	C 0	0.0059
8	1	H1 High	4.9813
9	0	L1 Low	0.0142
10	0	L1 Low	0.0058
11	5	QC2 CCB1	0.0075
12	2	QC1 CCV1	1.9664
13	10	QC3 LCS1	3.9768
14	0	N Null	0.0150N
15	5	QC2 MB1	0.0075
16	11	S k1004635-001	0.0165
17	12	S k1004635-001d	0.0167
18	13	S k1004635-001ms	2.0827
19	14	S k1004635-001msd	2.0201
20	15	S k1004635-002	0.0118
21	16	S k1004635-003	0.0299
22	0	B Baseline	0.0068
23	5	QC2 CCB2	0.0094
24	2	QC1 CCV2	1.9964
25	1	D Drift	5.0156
26	0	B Baseline	0.0103

0.0087  
1.97 99%  
3.98 100%

0.0087  
0.0177  $\bar{x} = 0.017$  APD < 1%  
0.0177  
2.08 103%  
2.02 100%

0.0127  
0.0307  
0.0097  
2.00 100%

5/10/10

05/08/10  
Fluor

QC Limits

Channel	:	2
QC 1	Unused	
QC 2	Unused	
QC 3	Unused	
QC 4	Unused	
QC 5	Unused	
QC 6	Unused	
QC 7	Unused	
QC 8	Unused	
QC 9	Unused	
QC10	Unused	

CORRECTIONS

Channel	:	2
Baseline	:	No
Drift	:	No
Carry over	:	No
%:		0.0

\* ... Sample offscale  
+ ... Result higher than sample limit  
- ... Result lower than sample limit  
P ... Standard passed  
F ... Standard failed  
N ... Value not calculated or not used  
R ... Resample after offscale  
M ... Peak marker moved manually  
D ... Diluted sample

\*\* <END OF REPORT> \*\*

05/08/10  
*Junyer*

*5/10/10*

# BRAN+LUEBBE

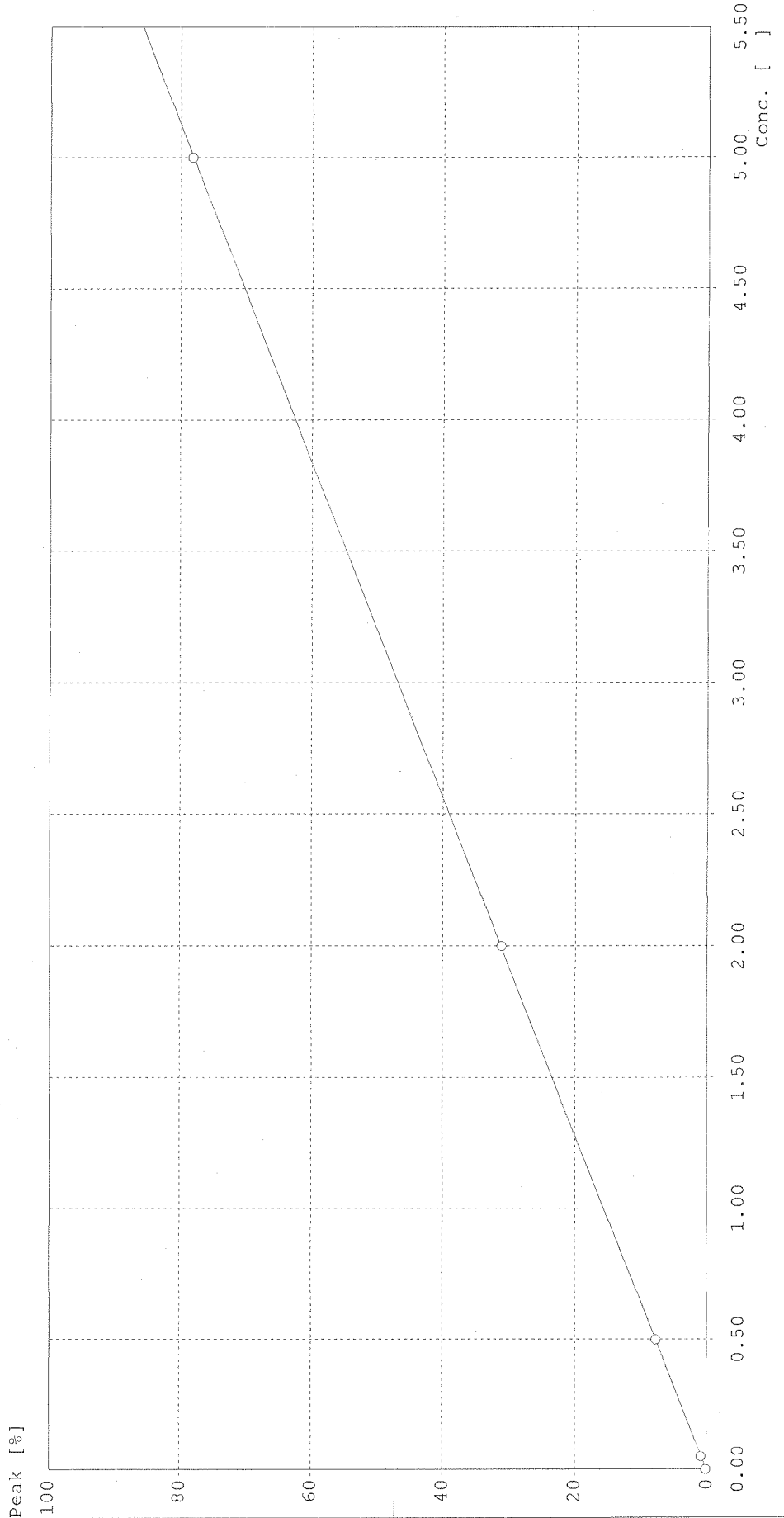
Calibration Curve

Name of analysis : Nitrite.ANL

Name of run : 100508A.run

Comment :

Channel : 2  
 Method : Method 2  
 Curve fit : linear      a=-3.3318E-001      b=9.7708E-005  
 Corr. coeff. : 1.0000



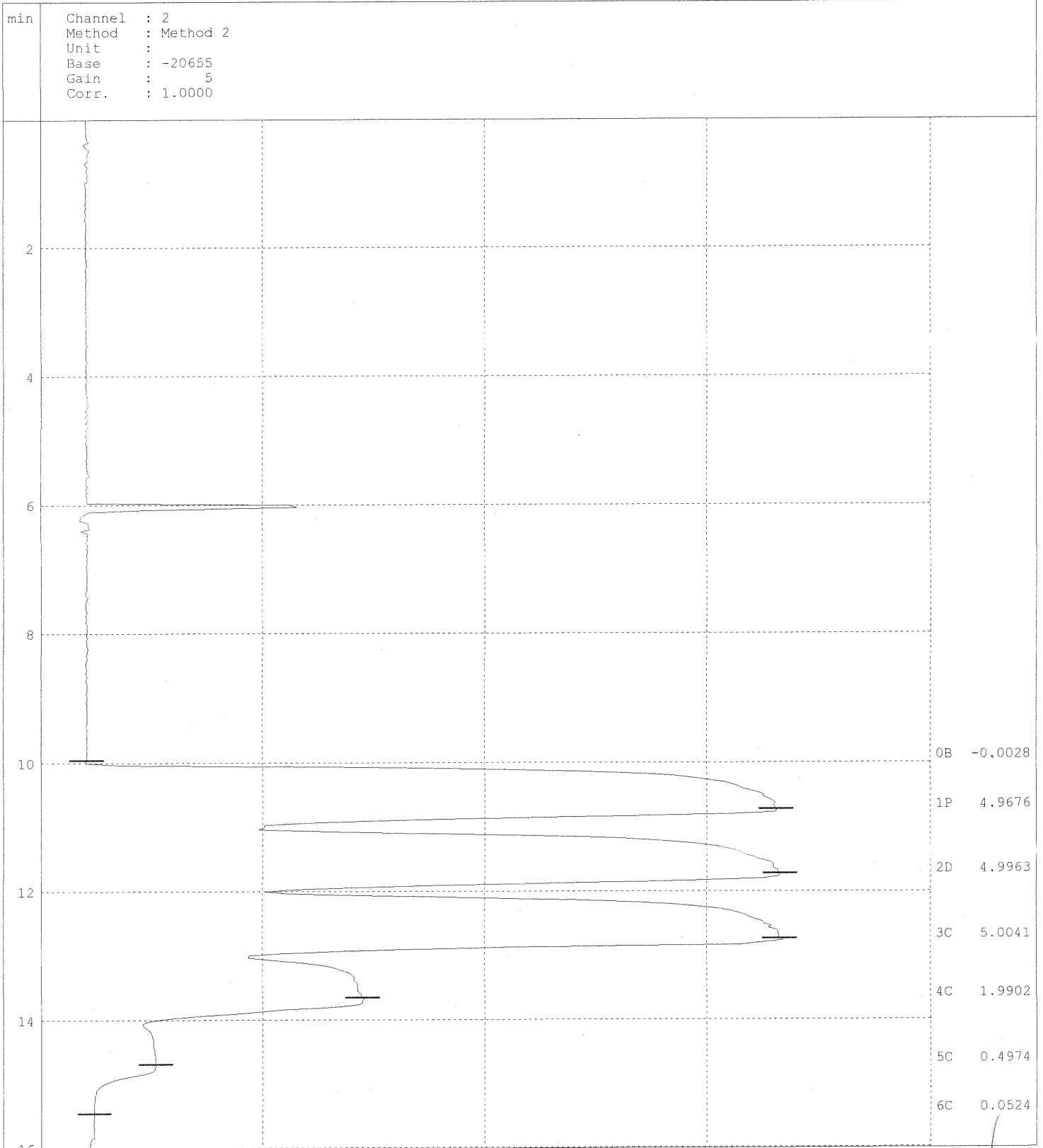
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# BRAN+LUEBBE

Post-run chart

Name of run :100508A.RUN  
Comment :

Name of analysis :Nitrite.ANL



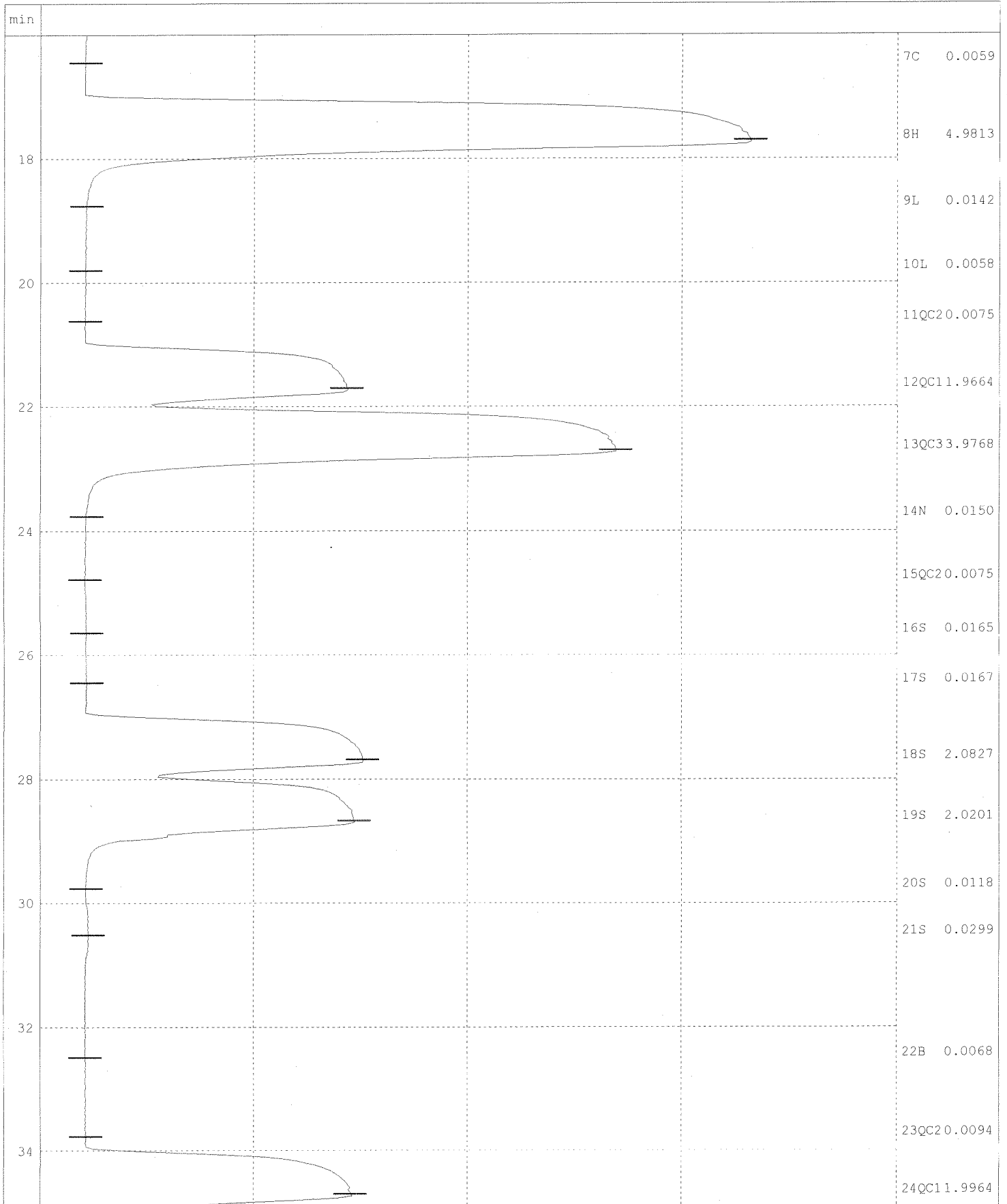
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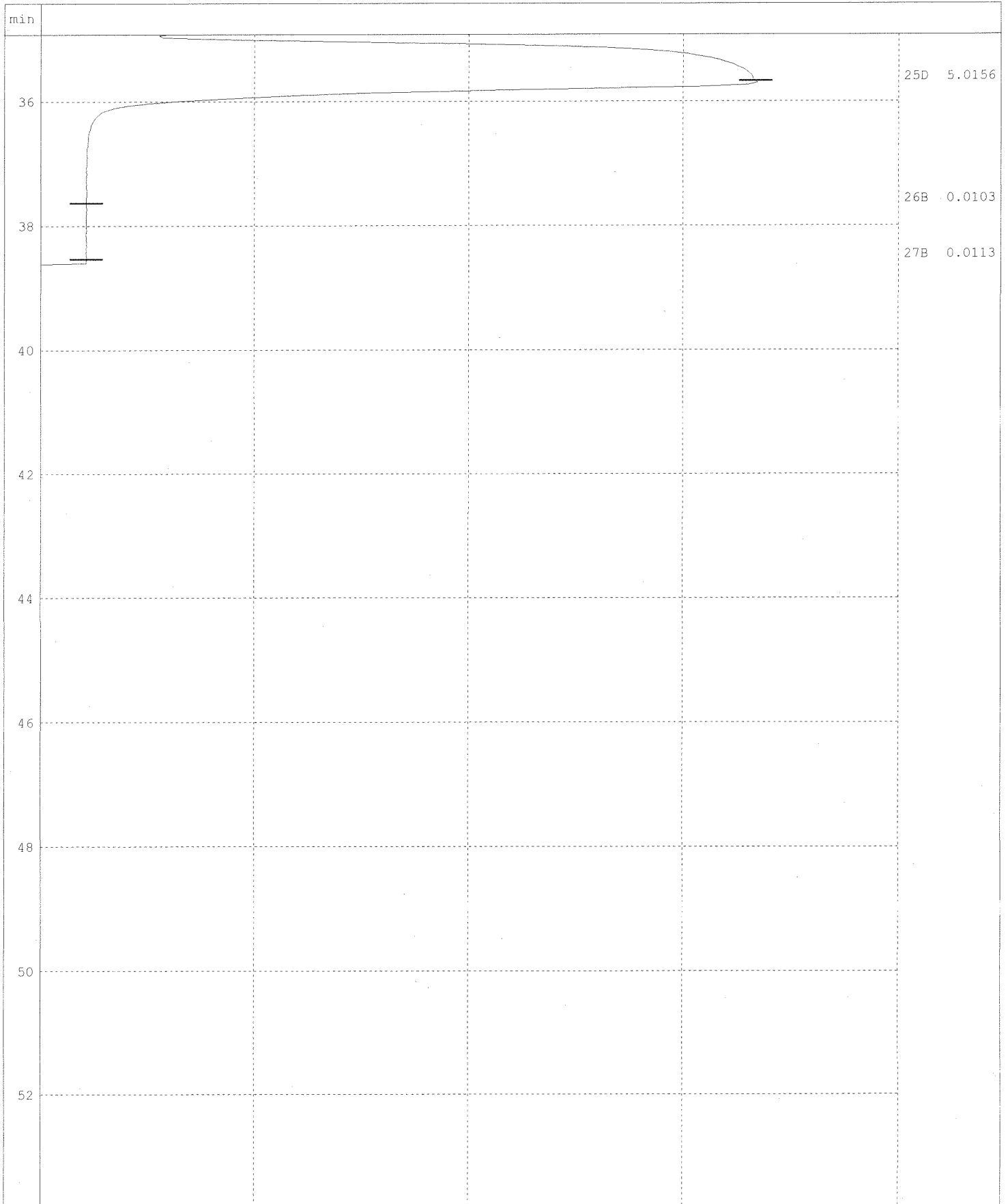
Name of run :100508A.RUN  
 Comment :

Name of analysis :Nitrite.ANL

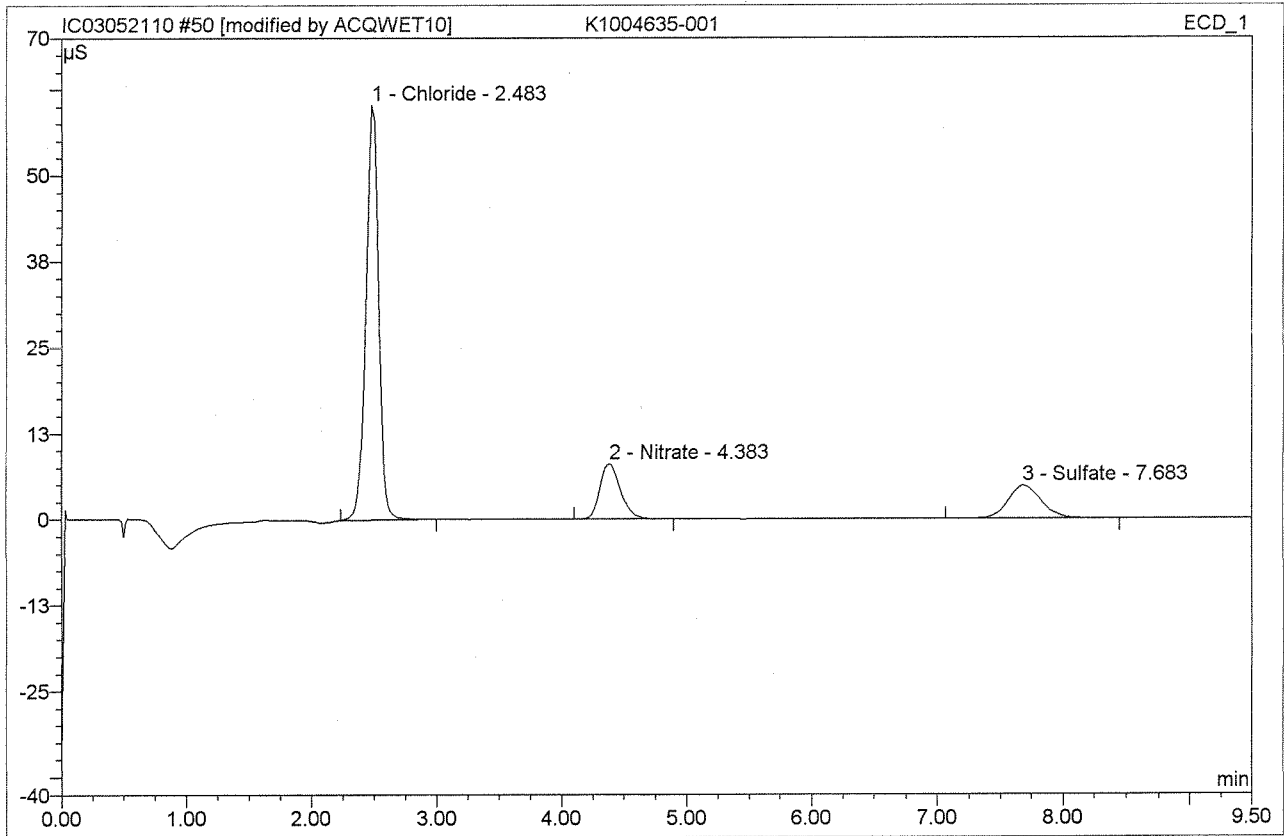


Name of run :100508A.RUN  
Comment :

Name of analysis :Nitrite.ANL



<b>50 K1004635-001</b>			
Sample Name:	K1004635-001	Injection Volume:	200.0
Vial Number:	46	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	20.0000
Recording Time:	5/21/2010 17:38	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.48	Chloride	60.233	6.991	69.98	89.654	BMB*
2	4.38	Nitrate	8.048	1.521	15.23	8.258	BMB
3	7.68	Sulfate	4.793	1.478	14.79	30.038	BMB
<b>Total:</b>			73.074	9.990	100.00	127.950	

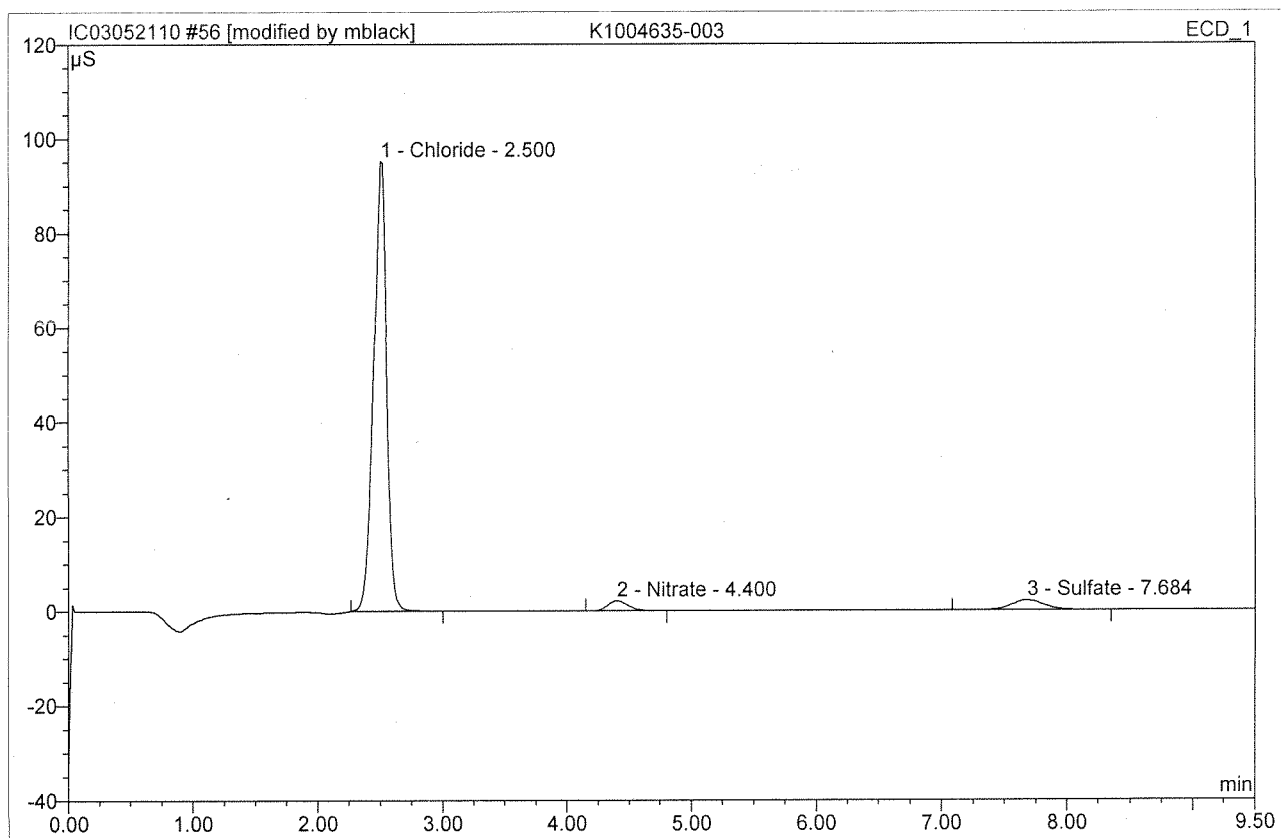
After Initials

MS

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<b>56 K1004635-003</b>			
Sample Name:	K1004635-003	Injection Volume:	200.0
Vial Number:	52	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	50.0000
Recording Time:	5/21/2010 18:49	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.50	Chloride	95.171	11.475	91.64	367.885	BMB*
2	4.40	Nitrate	2.099	0.395	3.15	5.361	BMB
3	7.68	Sulfate	2.093	0.652	5.21	33.132	BMB
<b>Total:</b>			99.363	12.522	100.00	406.378	

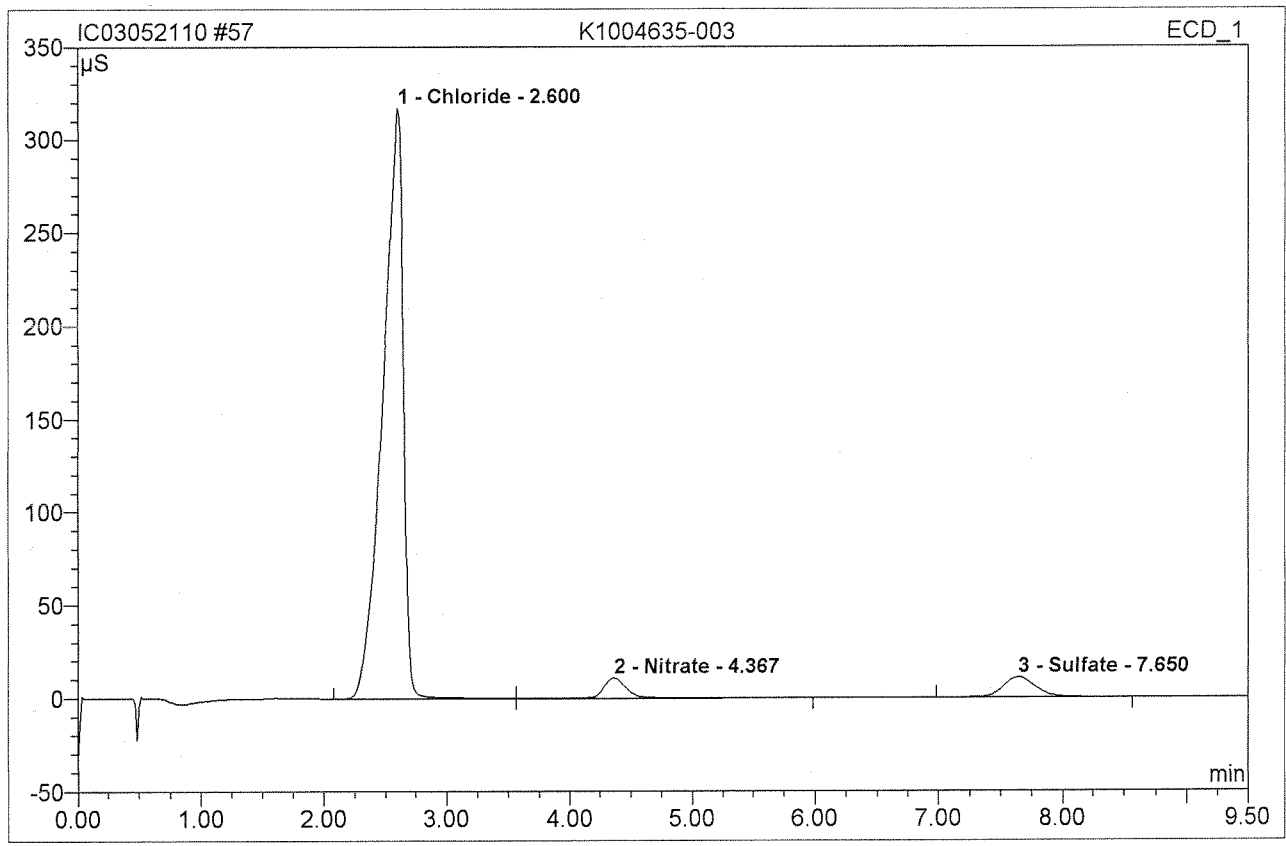
After Initials

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MAY 24 2010

*5/25/10*

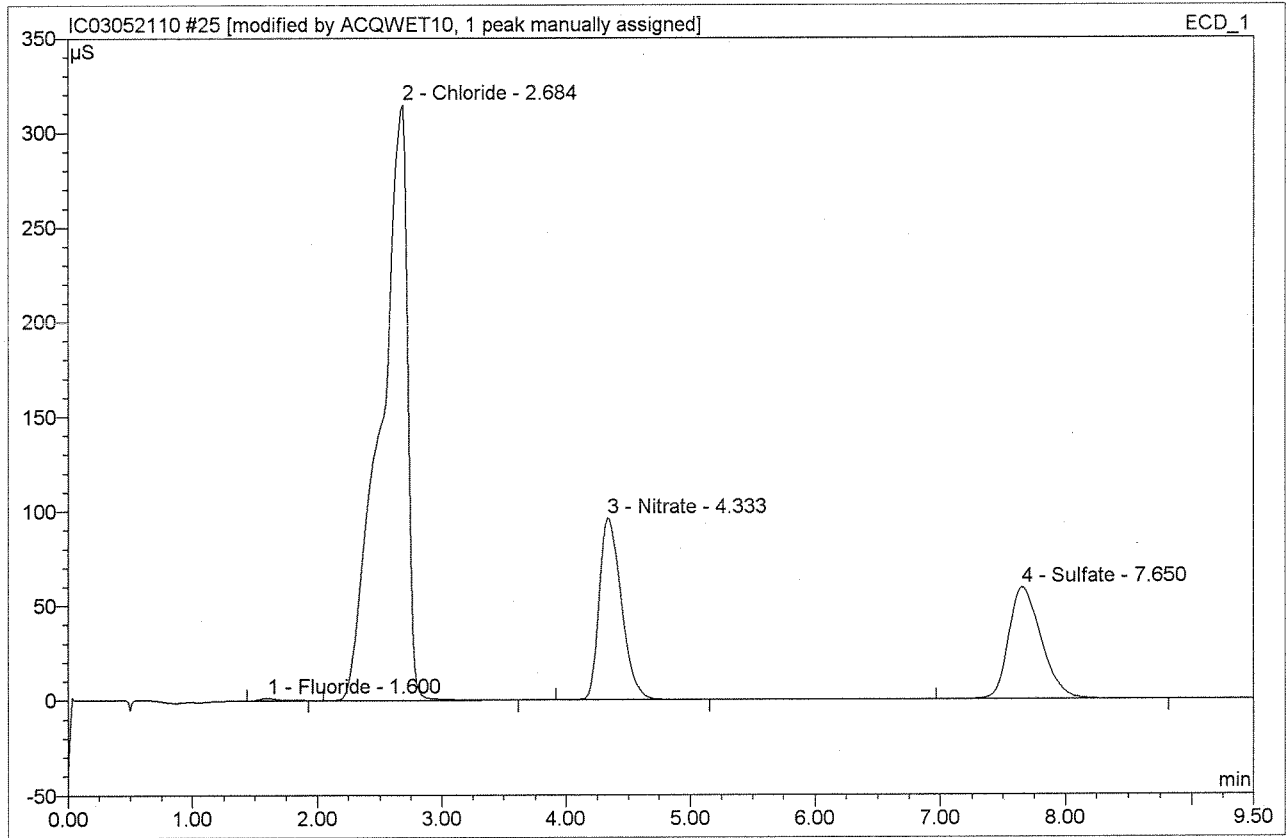
<b>57 K1004635-003</b>			
Sample Name:	K1004635-003	Injection Volume:	200.0
Vial Number:	53	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	10.0000
Recording Time:	5/21/2010 19:01	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.60	Chloride	317.306	61.603	91.37	395.005	BM
2	4.37	Nitrate	11.065	2.544	3.77	6.907	MB
3	7.65	Sulfate	10.793	3.274	4.86	33.271	BMB
<b>Total:</b>			339.164	67.421	100.00	435.183	

**25 K1004635-001**

Sample Name:	K1004635-001	Injection Volume:	200.0
Vial Number:	21	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	5/21/2010 12:39	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.60	Fluoride	1.424	0.259	0.22	0.271	BMB*
2	2.68	Chloride	314.761	77.744	67.04	99.701	BMB^
3	4.33	Nitrate	96.213	19.961	17.21	10.837	BMB
4	7.65	Sulfate	59.129	17.998	15.52	36.578	BMB
<b>Total:</b>			471.528	115.961	100.00	147.387	

After Initials

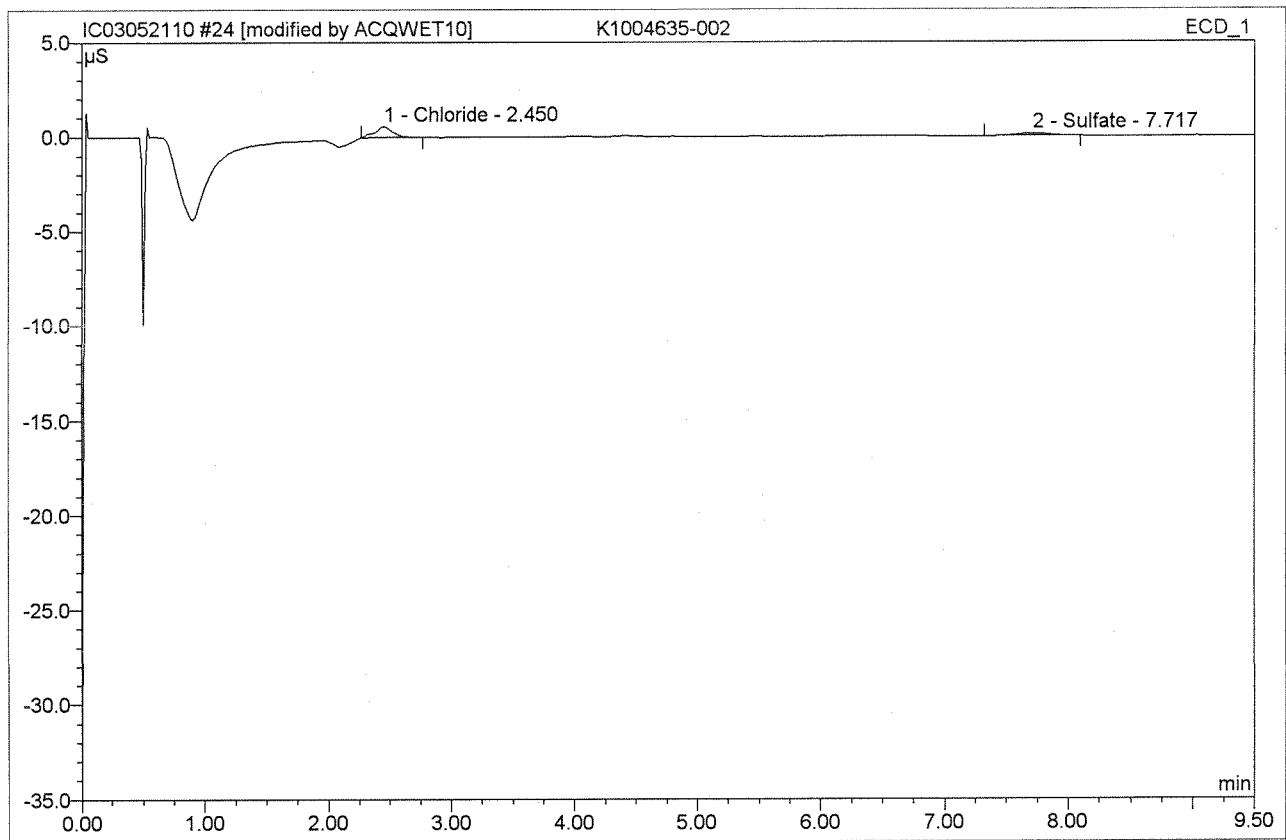
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# 24 K1004635-002

Sample Name: <b>K1004635-002</b>	Injection Volume: <b>200.0</b>
Vial Number: <b>20</b>	Channel: <b>ECD_1</b>
Sample Type: <b>unknown</b>	Wavelength: <b>n.a.</b>
Control Program: <b>epa300</b>	Bandwidth: <b>n.a.</b>
Quantif. Method: <b>epa300</b>	Dilution Factor: <b>1.0000</b>
Recording Time: <b>5/21/2010 12:27</b>	Sample Weight: <b>1.0000</b>
Run Time (min): <b>9.50</b>	Sample Amount: <b>1.0000</b>

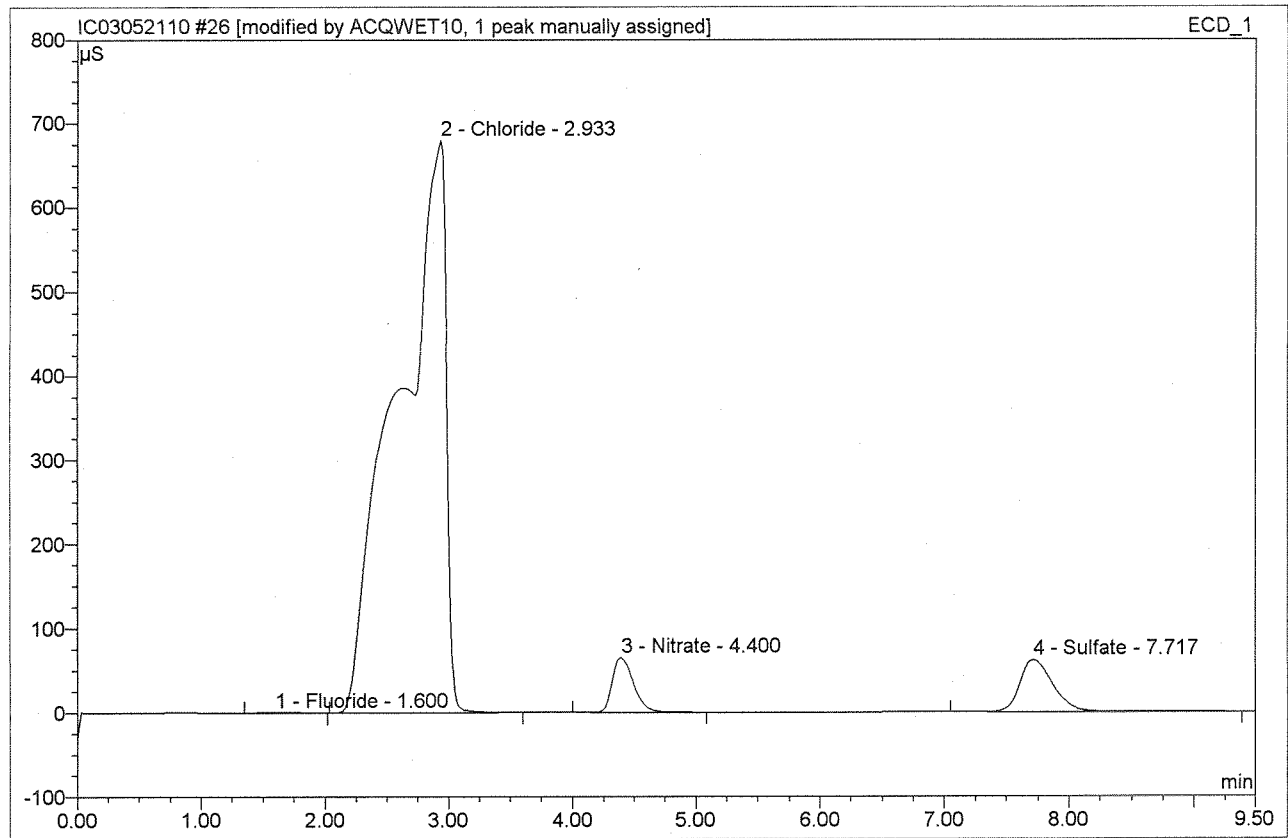


No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	2.45	Chloride	0.569	0.095	70.07	0.061 J	BMB*
2	7.72	Sulfate	0.138	0.041	29.93	0.041 J	BMB*
<b>Total:</b>			0.708	0.136	100.00	0.102	

Fluoride = ND 20.003

**26 K1004635-003**

Sample Name:	K1004635-003	Injection Volume:	200.0
Vial Number:	22	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	5/21/2010 12:51	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	1.60	Fluoride	0.964	0.286	0.09	0.299	BMB*
2	2.93	Chloride	679.751	304.157	90.42	390.060	BMB**
3	4.40	Nitrate	64.797	12.881	3.83	6.993	BMB
4	7.72	Sulfate	62.020	19.049	5.66	38.716	BMB
<b>Total:</b>			807.531	336.373	100.00	436.067	

After Initials

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MAY 21 2010

*5/25/10*

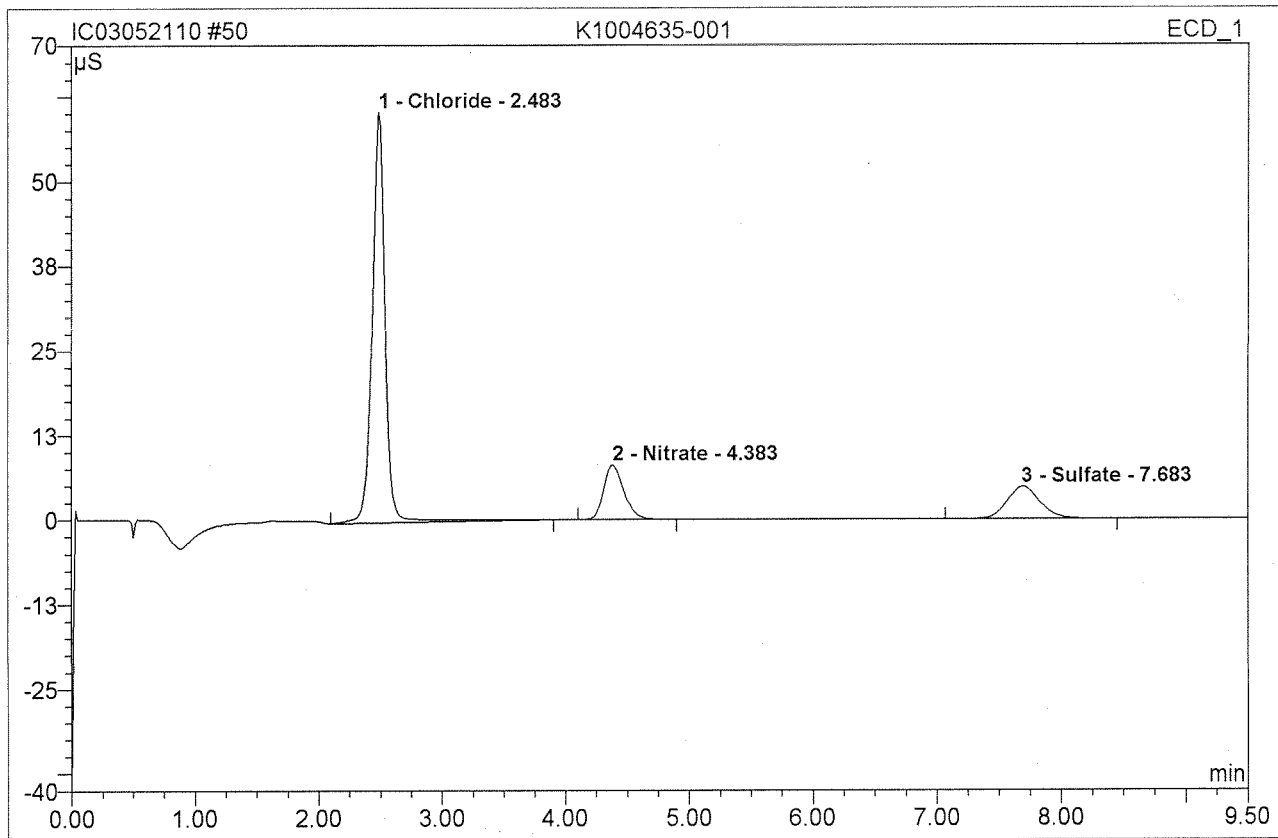
default/Integration

Wrong Peak/Peak not Found  
 Baseline/shoulder incorrect  
 Other

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<b>50 K1004635-001</b>			
Sample Name:	K1004635-001	Injection Volume:	200.0
Vial Number:	46	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	20.0000
Recording Time:	5/21/2010 17:38	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



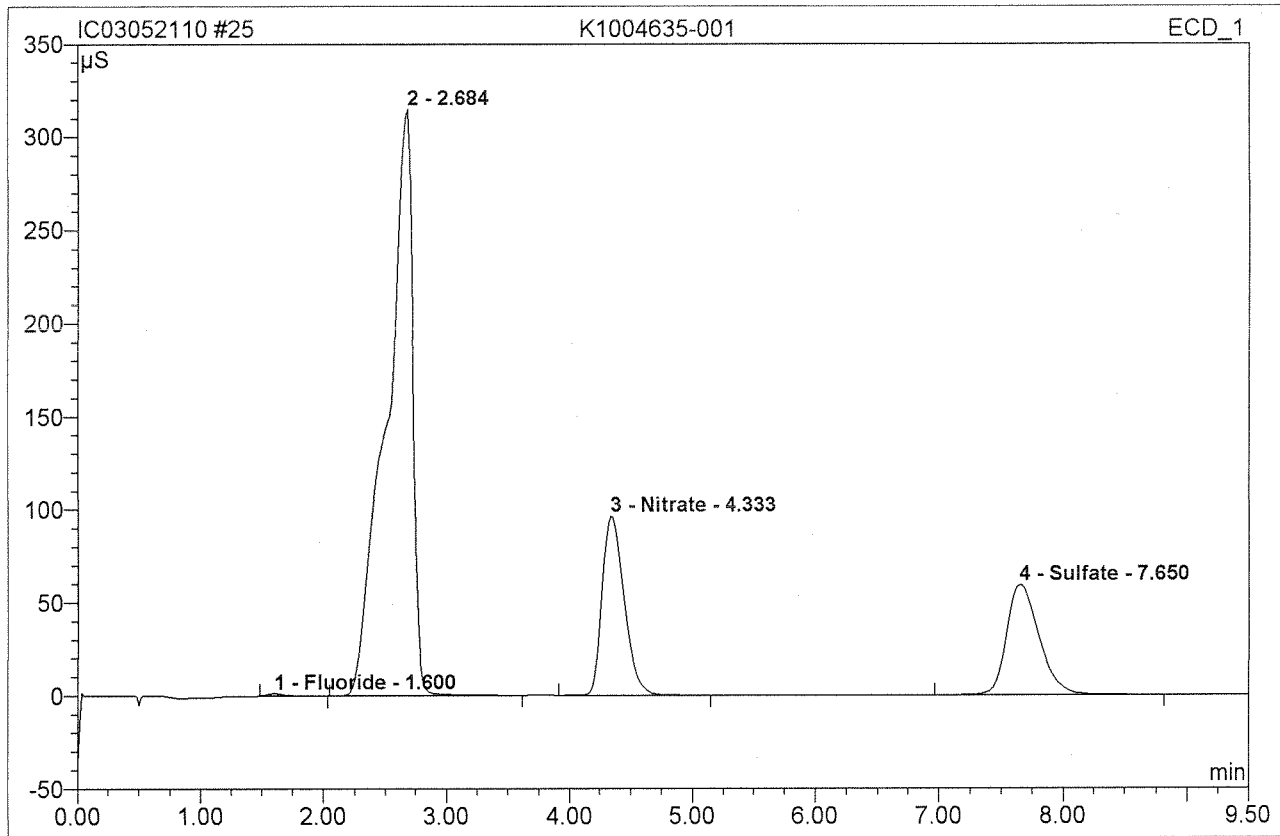
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.48	Chloride	60.564	7.360	71.05	94.386	BMB
2	4.38	Nitrate	8.048	1.521	14.68	8.258	BMB
3	7.68	Sulfate	4.793	1.478	14.27	30.038	BMB
<b>Total:</b>			73.405	10.359	100.00	132.682	

Before

MAY 21 2010

**25 K1004635-001**

Sample Name:	K1004635-001	Injection Volume:	200.0
Vial Number:	21	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	5/21/2010 12:39	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



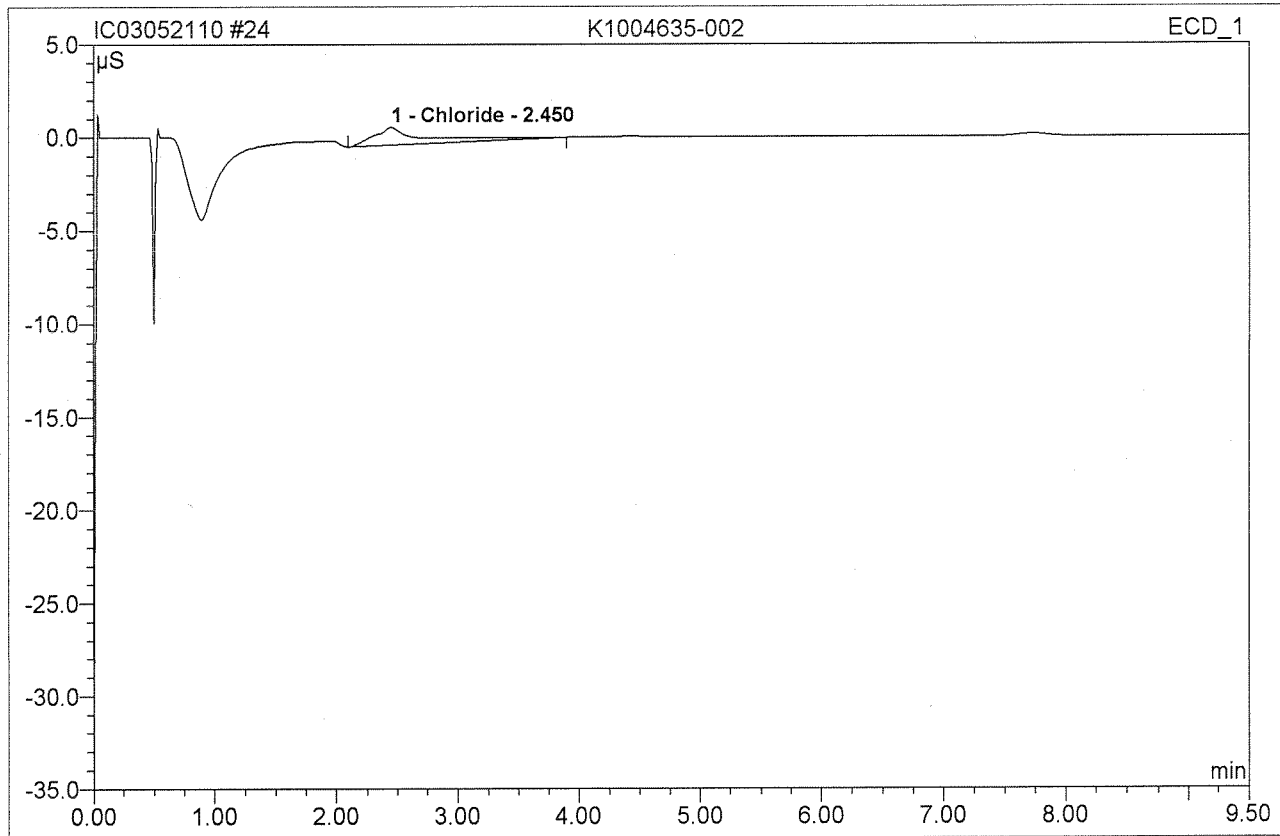
No.	Ret. Time min	Peak Name	Height $\mu\text{S}$	Area $\mu\text{S}\cdot\text{min}$	Rel. Area %	Amount	Type
1	1.60	Fluoride	1.297	0.241	0.21	0.252	BMB
2	2.68	n.a.	314.761	77.744	67.05	n.a.	BMB
3	4.33	Nitrate	96.213	19.961	17.22	10.837	BMB
4	7.65	Sulfate	59.129	17.998	15.52	36.578	BMB
<b>Total:</b>			471.401	115.944	100.00	47.667	

Before

MAY 21 2010

**24 K1004635-002**

Sample Name:	K1004635-002	Injection Volume:	200.0
Vial Number:	20	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 12:27	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

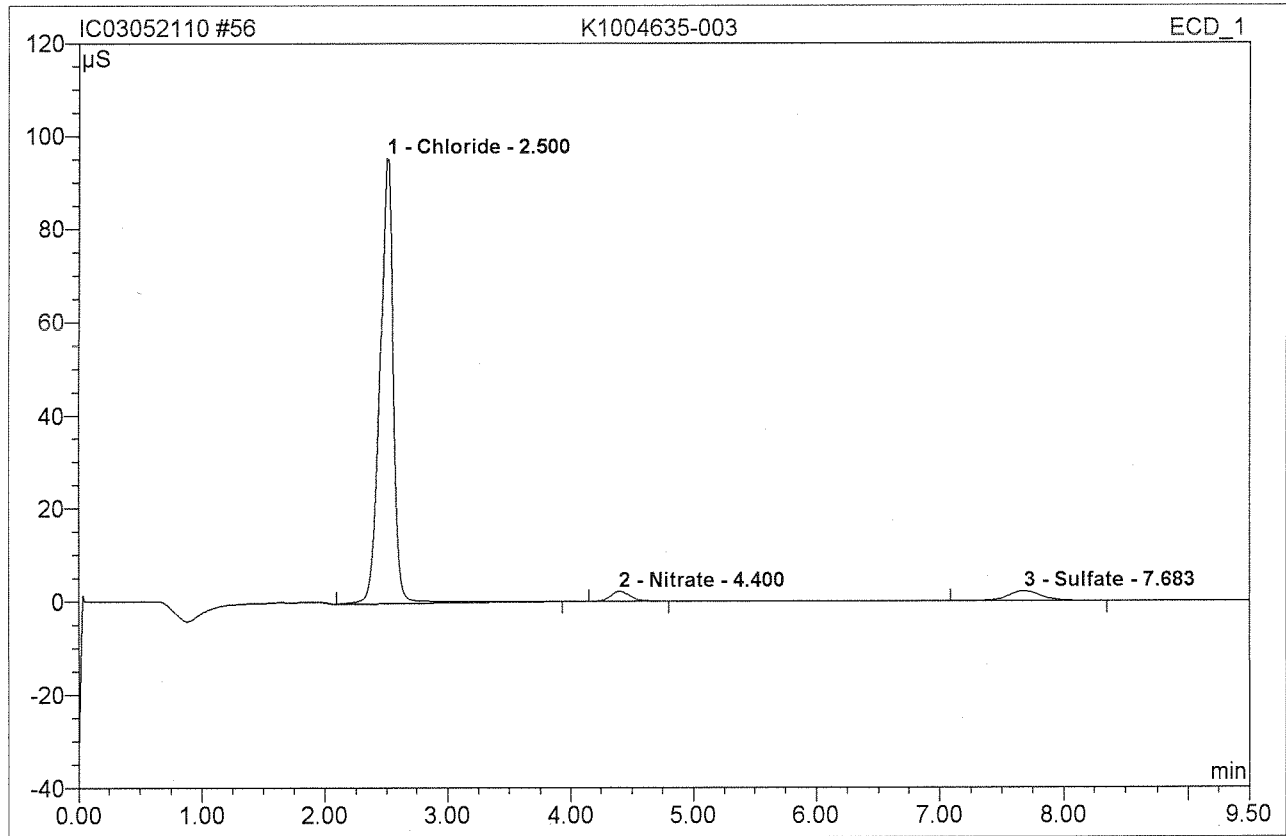


No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	2.45	Chloride	0.960	0.485	100.00	0.311	BMB
<b>Total:</b>			0.960	0.485	100.00	0.311	

Before

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<b>56 K1004635-003</b>			
Sample Name:	K1004635-003	Injection Volume:	200.0
Vial Number:	52	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	50.0000
Recording Time:	5/21/2010 18:49	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



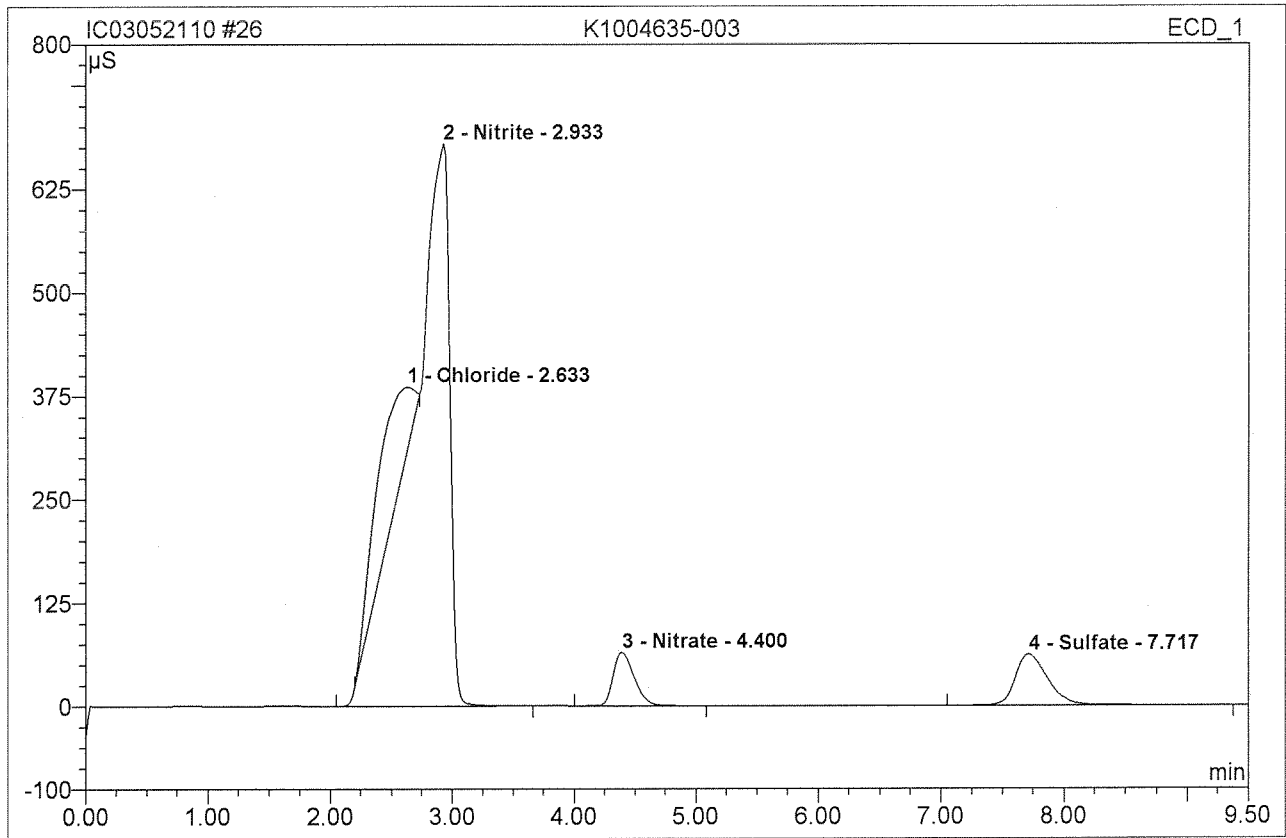
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.50	Chloride	95.596	11.906	91.92	381.703	BMB
2	4.40	Nitrate	2.099	0.395	3.05	5.361	BMB
3	7.68	Sulfate	2.093	0.652	5.03	33.132	BMB
<b>Total:</b>			99.788	12.953	100.00	420.195	

Before

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**26 K1004635-003**

Sample Name:	K1004635-003	Injection Volume:	200.0
Vial Number:	22	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	5/21/2010 12:51	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

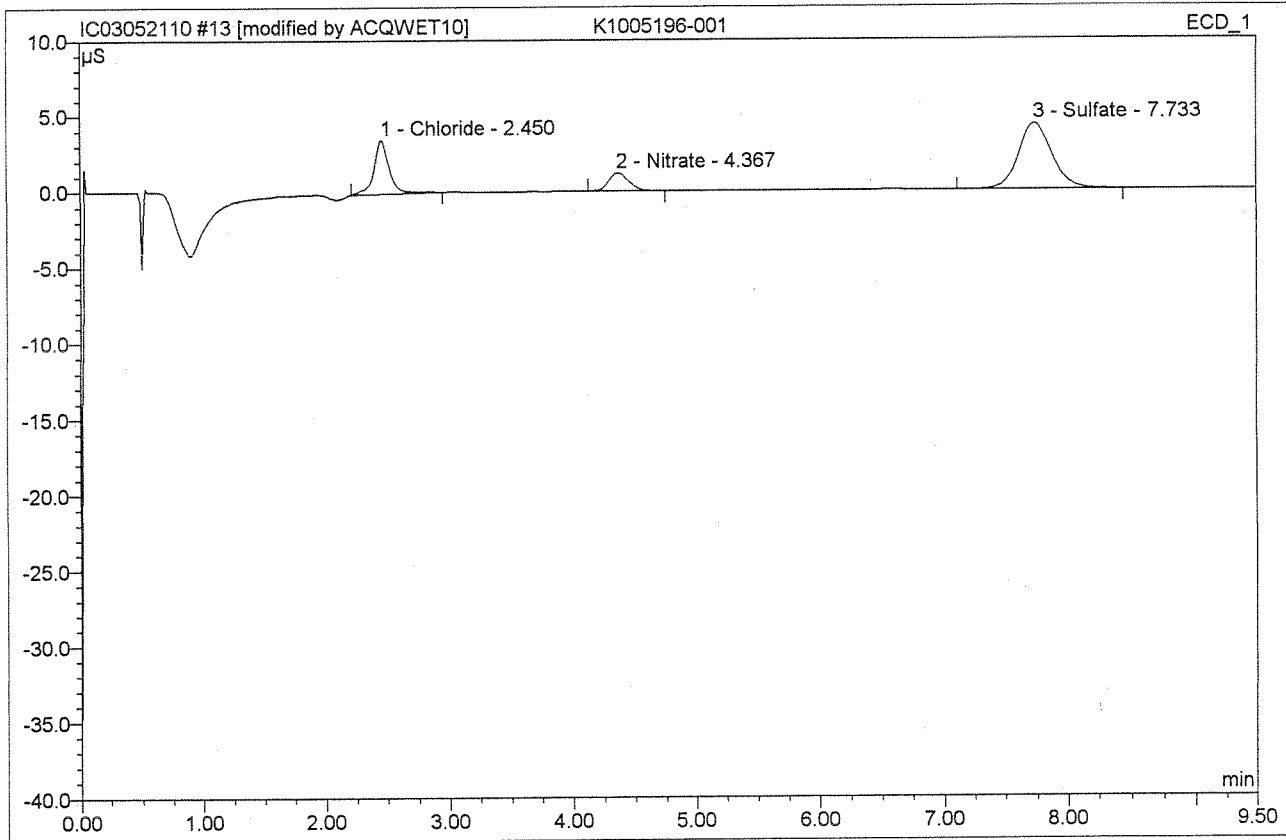


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.63	Chloride	75.187	44.688	13.30	57.309	Ru
2	2.93	Nitrite	679.773	259.502	77.21	179.752	BMB
3	4.40	Nitrate	64.797	12.881	3.83	6.993	BMB
4	7.72	Sulfate	62.020	19.049	5.67	38.716	BMB
<b>Total:</b>			881.778	336.120	100.00	282.770	

Before

MAY 21 2010

<b>13 K1005196-001</b>			
Sample Name:	K1005196-001	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:	2.0000
Recording Time:	5/21/2010 9:42	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.45	Chloride $\bar{x}=0.63$ RPD=6%	3.534	0.504	24.42	0.646	BMB*
2	4.37	Nitrate $\bar{x}=0.12$ RPD=21%	1.176	0.222	10.75	0.120	BMB
3	7.73	Sulfate $\bar{x}=2.72$ RPD=21%	4.337	1.337	64.83	2.717	BMB
<b>Total:</b>			9.047	2.062	100.00	3.483	

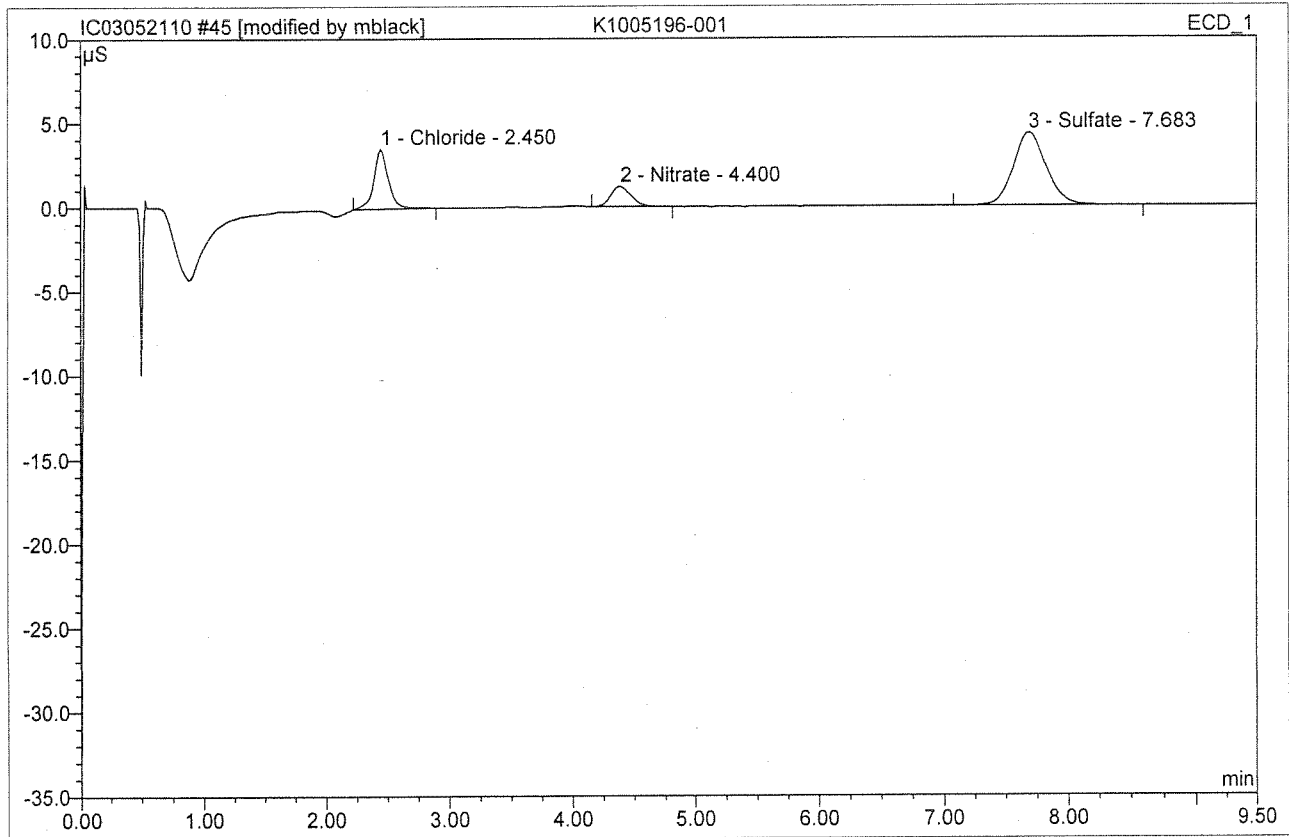
APC  
Inlets

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<b>45 K1005196-001</b>			
<b>5196-1D</b>			
Sample Name:	K1005196-001	Injection Volume:	200.0
Vial Number:	41	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	5/21/2010 16:38	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.45	Chloride	3.551	0.478	23.47	0.613	BMB*
2	4.40	Nitrate	1.181	0.222	10.90	0.121	BMB
3	7.68	Sulfate	4.337	1.337	65.63	2.717	BMB
<b>Total:</b>			9.069	2.037	100.00	3.451	

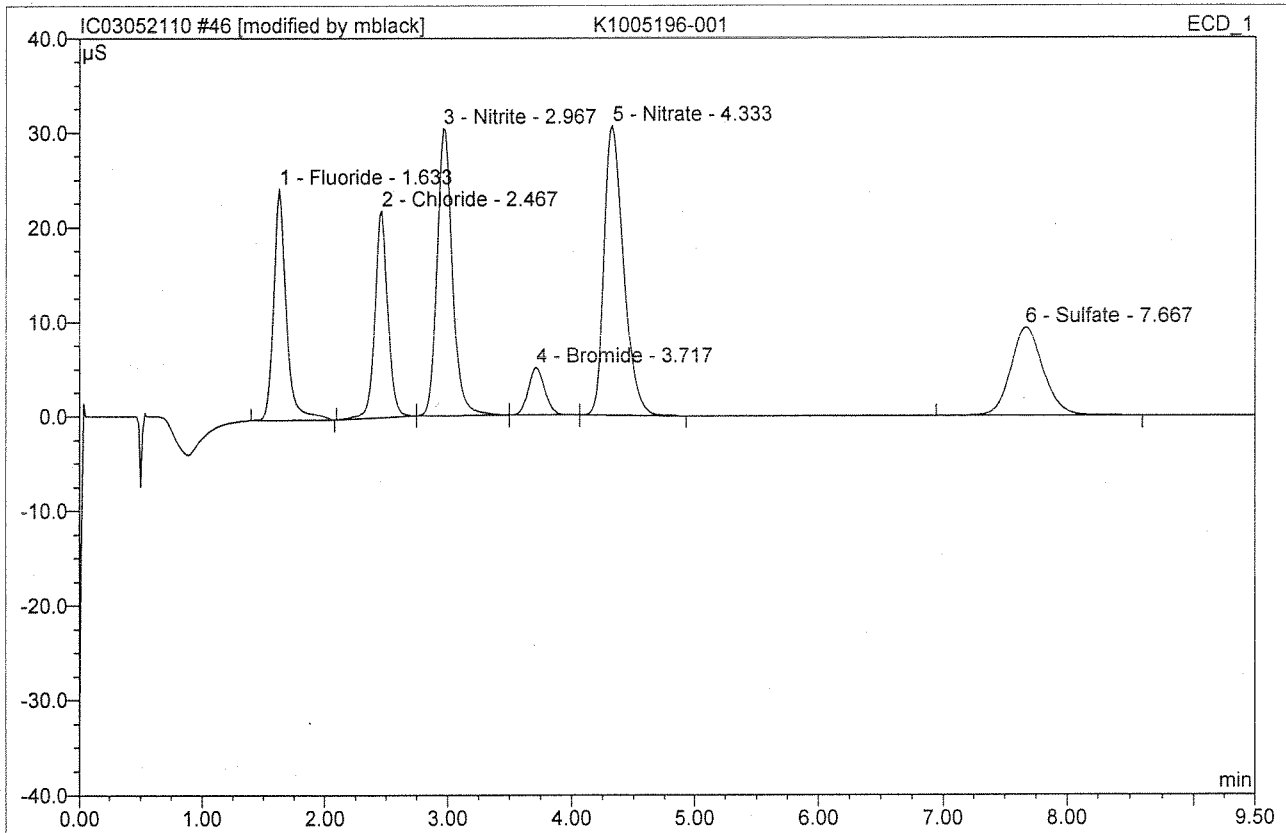
After  
Initials

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MAY 21 2010

*MB 5/25/10*

<b>46 K1005196-001</b>			
<b>5196-1MS</b>			
Sample Name:	K1005196-001	Injection Volume:	200.0
Vial Number:	42	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	5/21/2010 16:50	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.63	Fluoride	24.472	2.928	15.15	3.060102%	BMB*
2	2.47	Chloride	21.854	2.651	13.72	3.40072%	BMB*
3	2.97	Nitrite	30.383	4.433	22.94	3.071162%	bMb
4	3.72	Bromide	5.044	0.788	4.08	2.94298%	bMb
5	4.33	Nitrate	30.635	5.685	29.42	3.08799%	bMB
6	7.67	Sulfate	9.342	2.841	14.70	5.775102%	BMB
<b>Total:</b>			121.731	19.327	100.00	21.334	

TV=3.00

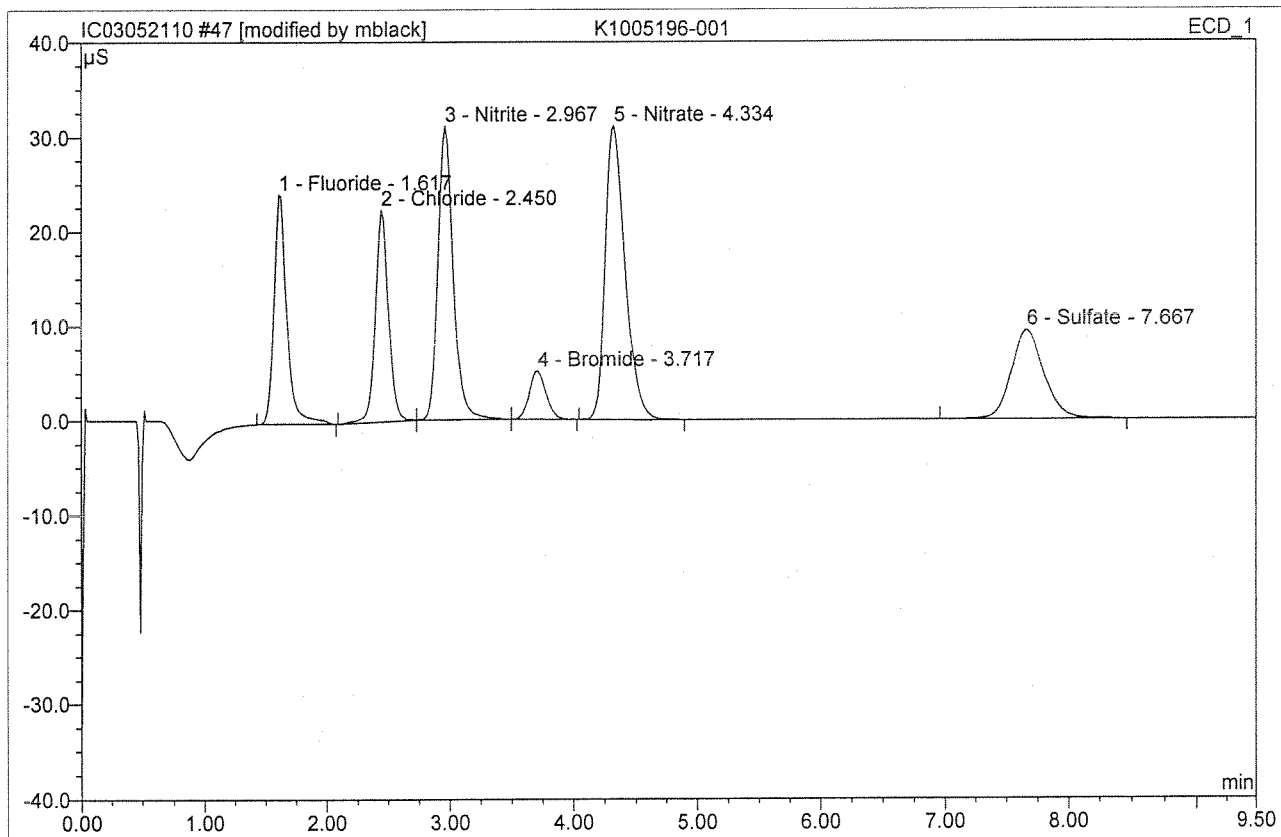
After Initials LB

JA 5/25/10

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<b>47 K1005196-001</b>			
<b>5196-1MSD</b>			
Sample Name:	K1005196-001	Injection Volume:	200.0
Vial Number:	43	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	5/21/2010 17:02	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height $\mu$ S	Area $\mu$ S*min	Rel.Area %	Amount	Type
1	1.62	Fluoride	24.295	2.957	15.08	3.09163%	BMB*
2	2.45	Chloride	22.398	2.693	13.73	3.45393%	BMB
3	2.97	Nitrite	31.019	4.508	22.98	3.123104%	bMB
4	3.72	Bromide	5.090	0.801	4.08	2.990100%	bMB
5	4.33	Nitrate	31.047	5.797	29.56	3.147101%	BMB
6	7.67	Sulfate	9.396	2.857	14.57	5.806103%	BMB
<b>Total:</b>			123.244	19.613	100.00	21.610	

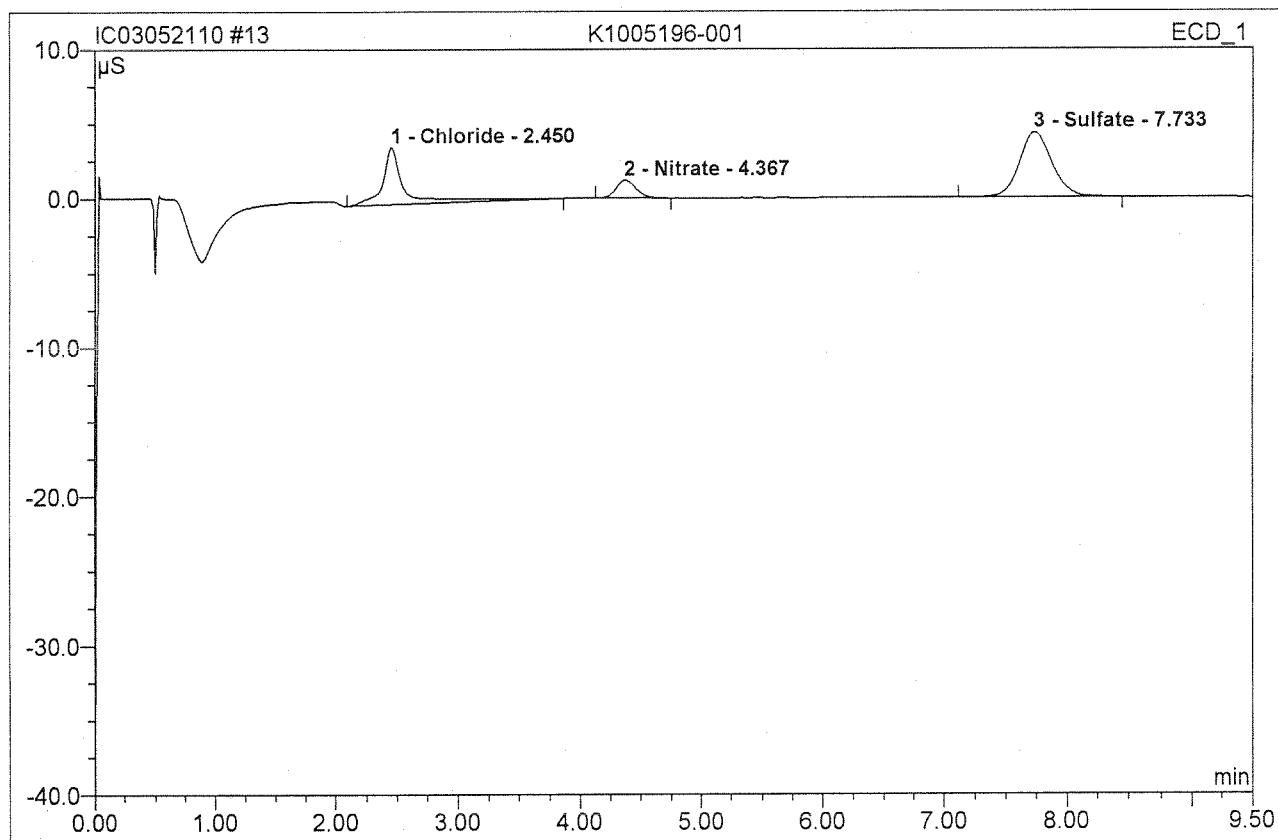
After Initials MR

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**13 K1005196-001**

Sample Name:	K1005196-001	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:	2.0000
Recording Time:	5/21/2010 9:42	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



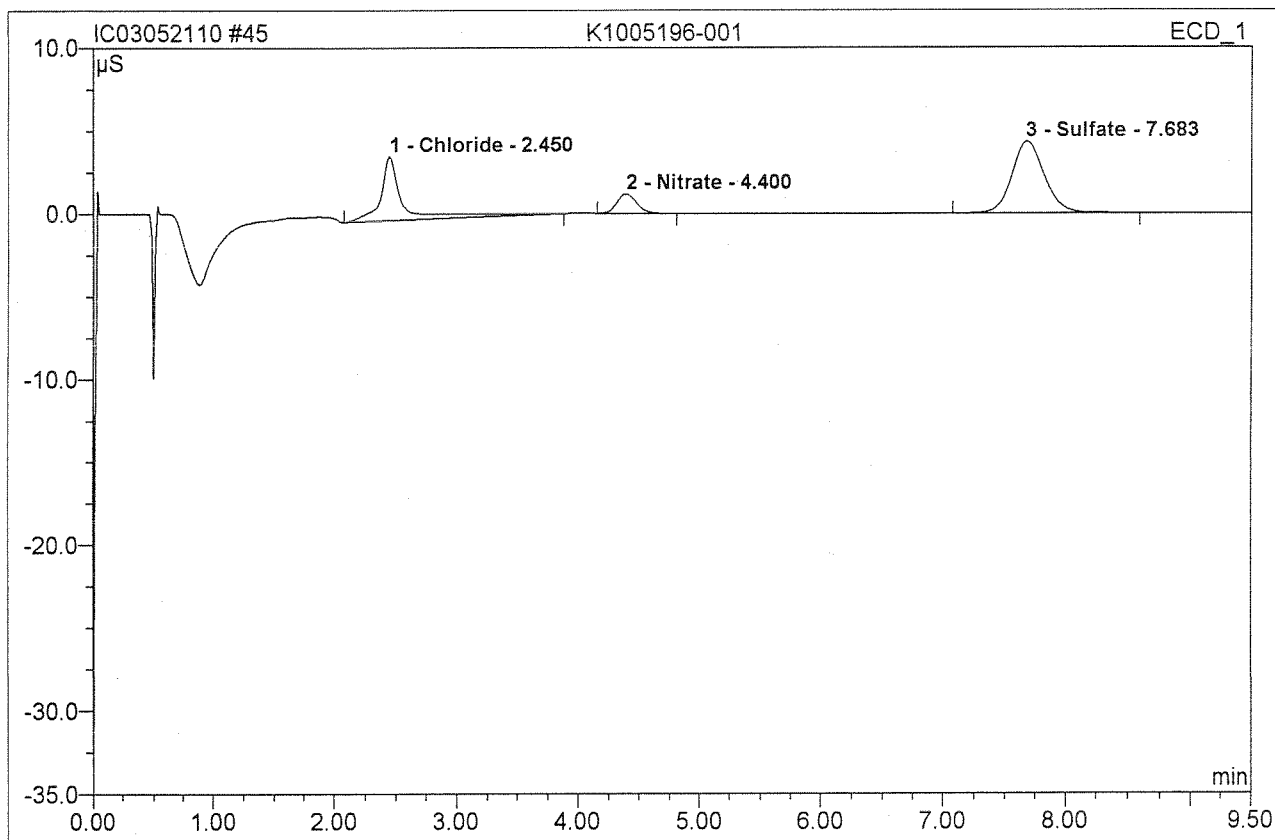
No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.45	Chloride	3.817	0.834	34.86	1.069	BMB
2	4.37	Nitrate	1.176	0.222	9.27	0.120	BMB
3	7.73	Sulfate	4.337	1.337	55.87	2.717	BMB
<b>Total:</b>			9.330	2.392	100.00	3.906	

Before

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**45 K1005196-001****5196-1D**

Sample Name:	K1005196-001	Injection Volume:	200.0
Vial Number:	41	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	5/21/2010 16:38	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

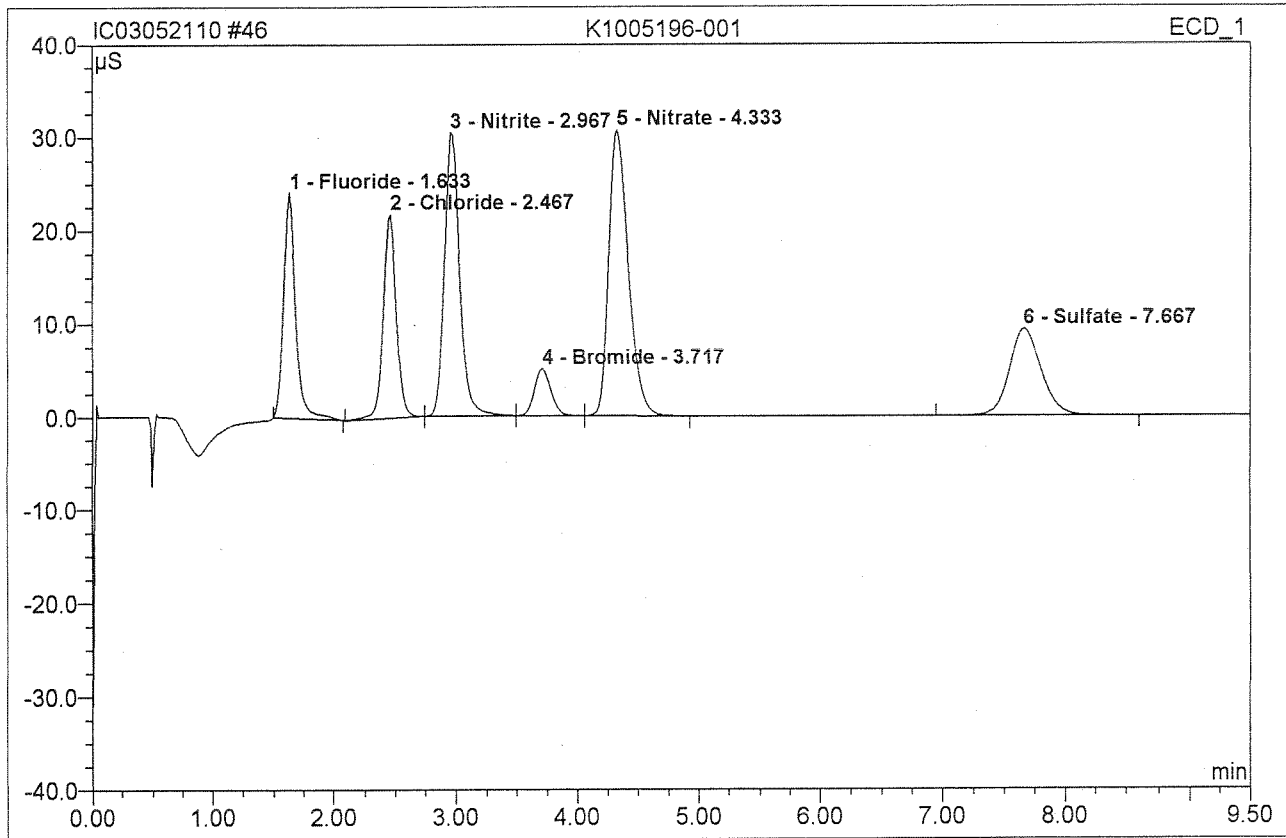


No.	Ret.Time min	Peak Name	Height $\mu\text{S}$	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	2.45	Chloride	3.885	0.835	34.88	1.071	BMB
2	4.40	Nitrate	1.181	0.222	9.28	0.121	BMB
3	7.68	Sulfate	4.337	1.337	55.85	2.717	BMB
<b>Total:</b>			9.403	2.394	100.00	3.909	

Before

MAY 21 2010

<b>46 K1005196-001</b>			
<b>5196-1MS</b>			
Sample Name:	K1005196-001	Injection Volume:	200.0
Vial Number:	42	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	5/21/2010 16:50	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



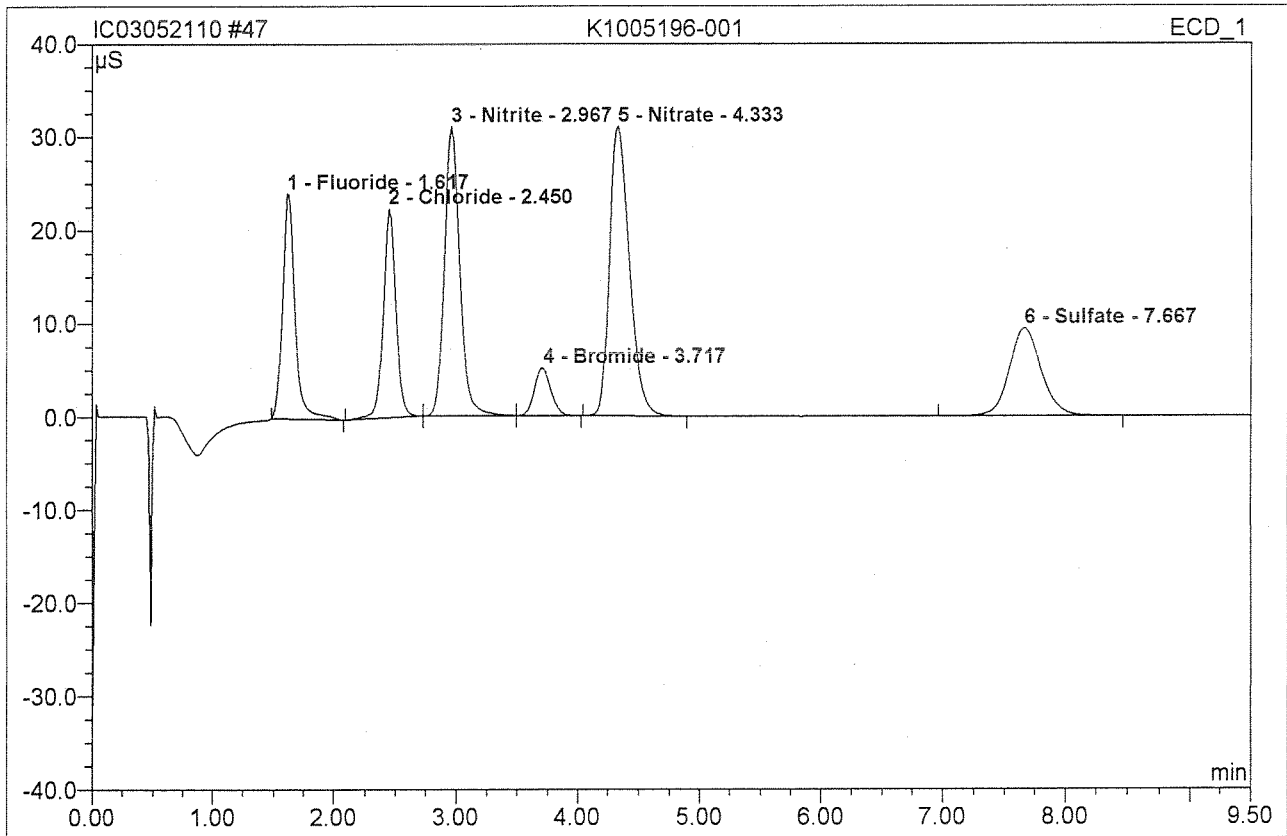
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.63	Fluoride	24.211	2.821	14.68	2.949	BMB
2	2.47	Chloride	21.854	2.651	13.79	3.400	BMB
3	2.97	Nitrite	30.383	4.433	23.07	3.071	bMb
4	3.72	Bromide	5.044	0.788	4.10	2.942	bMb
5	4.33	Nitrate	30.635	5.685	29.58	3.087	bMB
6	7.67	Sulfate	9.342	2.841	14.78	5.775	BMB
<b>Total:</b>			121.470	19.220	100.00	21.222	

Before

MAY 21 2010

**47 K1005196-001****5196-1MSD**

Sample Name:	K1005196-001	Injection Volume:	200.0
Vial Number:	43	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	5/21/2010 17:02	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.62	Fluoride	24.157	2.902	14.84	3.033	BMB
2	2.45	Chloride	22.398	2.693	13.77	3.453	BMB
3	2.97	Nitrite	31.019	4.508	23.05	3.123	bMB
4	3.72	Bromide	5.090	0.801	4.10	2.990	bMB
5	4.33	Nitrate	31.047	5.797	29.64	3.147	BMB
6	7.67	Sulfate	9.396	2.857	14.61	5.806	BMB
<b>Total:</b>			123.107	19.557	100.00	21.552	

Before

MAY 21 2010

- 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.

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>AN1-27-DD</u>	Expires: <u>5/21/10</u>
Bromide	True Value = 4.0 ppm	CAS ID # = <u>AN1-33-L</u>	Expires: <u>10/25/10</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-I</u>	Expires <u>5/21/10</u>	
Fluoride	True Value = 5.0 ppm	10K CAS ID # = <u>AN1-33-M</u>	Expires: <u>10/25/10</u>
Chloride	True Value = 5.0 ppm	10K CAS ID # = <u>AN1-33-F</u>	Expires: <u>8/5/10</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>7/9/10</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>AN1-10-N</u>	Expires <u>5/21/10</u>	
Fluoride	10K CAS ID # = <u>AN1-33-M</u>	Expires: _____	} sec 10K CCV FD's
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: LR Date: 5/21/10

First Review: LR Date: 5/21/10

Final Review: LR Date: 5/25/10

Service Request	Tier	QC	Hold Time	Due Date	Anion	Initial	Final	QC DILUTION	Done?
K 5196-1	II	X	5/26 1220	6/1	F			2.5/5 ✓	
Coeur Alaska					CL	2.5/5			✓
					NO2				✓
					Br				✓
					NO3				✓
				SO4				✓	
-2			1115		F				
					CL	2.5/5			✓
					NO2				
					Br				✓
					NO3				✓
				SO4				✓	
-3			1010		F				
					CL	2.5/5			✓
					NO2				
					Br				✓
					NO3				✓
				SO4				✓	
-4					F				
					CL	2.5/5			✓
					NO2				
					Br				✓
					NO3				✓
				SO4				✓	
K 4635-1	III			5/30	F	2.5/5			✓
Exponent MOL					CL		0.25/5 •		✓
					NO2				
					Br				
					NO3				
				SO4		0.25/5 •		✓	
-2					F	5/5			✓
					CL				✓
					NO2				
					Br				
					NO3				
				SO4				✓	
-3					F	2.5/5			✓
					CL		0.1/5 •		✓
					NO2				
					Br				
					NO3				
				SO4		0.5/5 •		✓	
K 4843-1	II				F				
Douglas Co.					CL	0.5/5	2.5/5 •		✓
					NO2				
					Br				
					NO3				
				SO4	0.5/5			✓	
-2					F				
					CL	2.5/5			✓
					NO2				
					Br				
					NO3				
				SO4	0.25/5			✓	
-3					F				
					CL	0.1/5	0.5/5 •		✓
					NO2				
					Br				
					NO3				
				SO4	2.5/5	0.5/5 •		✓	

Service Request	Hier	QC	Hold Time	Due Date	Amount	Initial	Final	Collection	Units
K 4843-4	II				F				
					CL	0.5/5	0.1/5		✓
					NO2				
					Br				
					NO3				
					SO4	0.5/5			✓
-5					F				
					CL	0.1/5			✓
					NO2				
					Br				
					NO3				
					SO4	2.5/5			✓
-6					F				
					CL	286X			✓
					NO2				
					Br				
					NO3				
					SO4	2.5/5			✓
-7					F				
					CL	0.1/5			✓
					NO2				
					Br				
					NO3				
					SO4	2.5/5			✓
-8					F				
					CL	0.1/5			✓
					NO2				
					Br				
					NO3				
					SO4	2.5/5			✓
-9					F				
					CL	1/5			✓
					NO2				
					Br				
					NO3				
					SO4	1/5			✓
-10					F				
					CL	42200X	0.25/5		✓
					NO2				
					Br				
					NO3				
					SO4		0.25/5		✓
K 5222-1	I		5/23	6/1	F				
Dale McGhee					CL				
					NO2				
					Br				
					NO3	2.5/5			✓
					SO4				
K 5251-2	III		5/23	6/7	F	2.5/5			✓
PSC					CL		1/5		✓
MDC					NO2				✓
					Br				✓
					NO3				✓
					SO4				✓
-4					F	2.5/5			✓
					CL		1/5		✓
					NO2				✓
					Br				✓
					NO3				✓
					SO4				✓



Title:  
 Datasource: ACQWET10\_local  
 Location: DX120A  
 Timebase: DX120  
 #Samples: 68

Created: 5/21/2010 8:38:44 AM by ACQWET10  
 Last Update: 5/21/2010 6:19:54 PM by ACQWET10











































No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
1	std2/IV2	Standard	1	200.0	epa300	epa300	Finished	4/26/2010 8:54:58 AM
2	std3/IV3	Standard	2	200.0	epa300	epa300	Finished	4/26/2010 9:12:26 AM
3	std4/IV4	Standard	3	200.0	epa300	epa300	Finished	4/26/2010 9:25:24 AM
4	std5/IV5	Standard	4	200.0	epa300	epa300	Finished	4/26/2010 9:38:21 AM
5	std6/IV6	Standard	5	200.0	epa300	epa300	Finished	4/26/2010 9:51:19 AM
6	std7/IV7	Standard	6	200.0	epa300	epa300	Finished	4/26/2010 10:04:17 AM
7	std1/IV1	Standard	7	200.0	epa300	epa300	Finished	4/26/2010 10:17:14 AM
8	CCV AN11-20-I	Unknown	8	200.0	epa300	epa300	Finished	5/21/2010 8:42:40 AM
9	CCB	Unknown	9	200.0	epa300	epa300	Finished	5/21/2010 8:54:38 AM
10	NO2 AN11-27-DD	Unknown	10	200.0	epa300	epa300	Finished	5/21/2010 9:06:35 AM
11	MB	Unknown	11	200.0	epa300	epa300	Finished	5/21/2010 9:18:34 AM
12	NO3 AN1-33-E	Unknown	11	200.0	epa300	epa300	Finished	5/21/2010 9:30:31 AM
13	K1005196-001	Unknown	12	200.0	epa300	epa300	Finished	5/21/2010 9:42:29 AM
14	K1005196-003	Unknown	13	200.0	epa300	epa300	Finished	5/21/2010 9:54:26 AM
15	K1005196-002	Unknown	14	200.0	epa300	epa300	Finished	5/21/2010 10:06:24 AM
16	K1005196-004	Unknown	15	200.0	epa300	epa300	Finished	5/21/2010 10:18:21 AM
17	SPK AN11-10-N	Unknown	16	200.0	epa300	epa300	Finished	5/21/2010 10:30:19 AM
18	CCV2	Unknown	15	200.0	epa300	epa300	Finished	5/21/2010 10:42:17 AM
19	CCB2	Unknown	16	200.0	epa300	epa300	Finished	5/21/2010 10:54:15 AM
20	NO3 LCS	Unknown	17	200.0	epa300	epa300	Finished	5/21/2010 11:06:12 AM
21	CLSO4 ERA#0107-10-02	Unknown	17	200.0	epa300	epa300	Finished	5/21/2010 11:18:10 AM
22	F AN1-33-D	Unknown	18	200.0	epa300	epa300	Finished	5/21/2010 11:30:08 AM
23	Br AN1-33-L	Unknown	19	200.0	epa300	epa300	Finished	5/21/2010 11:42:06 AM
24	K1004635-002	Unknown	20	200.0	epa300	epa300	Finished	5/21/2010 12:27:09 PM
25	K1004635-001	Unknown	21	200.0	epa300	epa300	Finished	5/21/2010 12:39:07 PM
26	K1004635-003	Unknown	22	200.0	epa300	epa300	Finished	5/21/2010 12:51:05 PM
27	K1004843-002	Unknown	23	200.0	epa300	epa300	Finished	5/21/2010 1:03:02 PM
28	K1004843-002	Unknown	24	200.0	epa300	epa300	Finished	5/21/2010 1:15:00 PM
29	RB	Unknown	25	200.0	epa300	epa300	Finished	5/21/2010 1:26:57 PM
30	CCV3	Unknown	26	200.0	epa300	epa300	Finished	5/21/2010 1:38:55 PM
31	CCB3	Unknown	27	200.0	epa300	epa300	Finished	5/21/2010 1:50:53 PM
32	K1004843-001	Unknown	28	200.0	epa300	epa300	Finished	5/21/2010 2:02:51 PM
33	K1004843-003	Unknown	29	200.0	epa300	epa300	Finished	5/21/2010 2:14:49 PM
34	K1004843-003	Unknown	30	200.0	epa300	epa300	Finished	5/21/2010 2:26:46 PM
35	K1004843-004	Unknown	31	200.0	epa300	epa300	Finished	5/21/2010 2:38:44 PM
36	K1004843-005	Unknown	32	200.0	epa300	epa300	Finished	5/21/2010 2:50:42 PM
37	K1004843-005	Unknown	33	200.0	epa300	epa300	Finished	5/21/2010 3:02:40 PM
38	K1004843-006	Unknown	34	200.0	epa300	epa300	Finished	5/21/2010 3:14:37 PM
39	K1004843-007	Unknown	35	200.0	epa300	epa300	Finished	5/21/2010 3:26:35 PM
40	K1004843-008	Unknown	36	200.0	epa300	epa300	Finished	5/21/2010 3:38:33 PM
41	RB	Unknown	37	200.0	epa300	epa300	Finished	5/21/2010 3:50:30 PM
42	CCV4	Unknown	38	200.0	epa300	epa300	Finished	5/21/2010 4:02:28 PM

Sequence: IC03052110  
Operator: mblack

Page 2 of 4  
Printed: 5/24/2010 9:35:23 AM

Title:  
Datasource: ACQWET10\_local  
Location: DX120A  
Timebase: DX120  
#Samples: 68



























Created: 5/21/2010 8:38:44 AM by ACQWET10  
Last Update: 5/21/2010 6:19:54 PM by ACQWET10

No.	Name	Dil. Factor	Comment
1	 std2/vl2	1.0000	
2	 std3/vl3	1.0000	
3	 std4/vl4	1.0000	
4	 std5/vl5	1.0000	
5	 std6/vl6	1.0000	
6	 std7/vl7	1.0000	
7	 std1/vl1	1.0000	
8	 CCV AN11-20-I	1.0000	CCV1
9	 CCB	1.0000	CCB1
10	 NO2 AN11-27-DD	25.0000	NO2
11	 MB	1.0000	MB
12	 NO3 AN1-33-E	20.0000	NO3
13	 K1005196-001	2.0000	
14	 K1005196-003	2.0000	
15	 K1005196-002	2.0000	
16	 K1005196-004	2.0000	
17	 SPK AN11-10-N	1.0000	SPK
18	 CCV2	1.0000	CCV2
19	 CCB2	1.0000	CCB2
20	 NO3 LCS	20.0000	NO3
21	 CLSO4 ERA#0107-10-02	1.0000	CLSO4
22	 F AN1-33-D	2.0000	F
23	 Br AN1-33-L	1.0000	Br
24	 K1004635-002	1.0000	
25	 K1004635-001	2.0000	
26	 K1004635-003	2.0000	
27	 K1004843-002	20.0000	
28	 K1004843-002	2.0000	
29	 RB	1.0000	
30	 CCV3	1.0000	CCV3
31	 CCB3	1.0000	CCB3
32	 K1004843-001	10.0000	
33	 K1004843-003	50.0000	
34	 K1004843-003	2.0000	
35	 K1004843-004	10.0000	
36	 K1004843-005	50.0000	F
37	 K1004843-005	2.0000	F
38	 K1004843-006	200.0000	
39	 K1004843-007	50.0000	
40	 K1004843-008	50.0000	
41	 RB	1.0000	
42	 CCV4	1.0000	CCV4

Sequence: IC03052110  
Operator: mblack

Title:  
Datasource: ACQWET10\_local  
Location: DX120A  
Timebase: DX120  
#Samples: 68

Created: 5/21/2010 8:38:44 AM by ACQWET10  
Last Update: 5/21/2010 6:19:54 PM by ACQWET10

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
43	 CCB4	Unknown	39	200.0	epa300	epa300	Finished	5/21/2010 4:14:26 PM
44	 K1005222-001	Unknown	40	200.0	epa300	epa300	Finished	5/21/2010 4:26:24 PM
45	 K1005196-001	Unknown	41	200.0	epa300	epa300	Finished	5/21/2010 4:38:22 PM
46	 K1005196-001	Unknown	42	200.0	epa300	epa300	Finished	5/21/2010 4:50:20 PM
47	 K1005196-001	Unknown	43	200.0	epa300	epa300	Finished	5/21/2010 5:02:17 PM
48	 K1004843-009	Unknown	44	200.0	epa300	epa300	Finished	5/21/2010 5:14:15 PM
49	 K1004843-010	Unknown	45	200.0	epa300	epa300	Finished	5/21/2010 5:26:13 PM
50	 K1004635-001	Unknown	46	200.0	epa300	epa300	Finished	5/21/2010 5:38:11 PM
51	 K1005251-002	Unknown	47	200.0	epa300	epa300	Finished	5/21/2010 5:50:09 PM
52	 K1005251-004	Unknown	48	200.0	epa300	epa300	Finished	5/21/2010 6:02:06 PM
53	 RB	Unknown	49	200.0	epa300	epa300	Finished	5/21/2010 6:14:04 PM
54	 CCV5	Unknown	50	200.0	epa300	epa300	Finished	5/21/2010 6:26:01 PM
55	 CCB5	Unknown	51	200.0	epa300	epa300	Finished	5/21/2010 6:37:59 PM
56	 K1004635-003	Unknown	52	200.0	epa300	epa300	Finished	5/21/2010 6:49:57 PM
57	 K1004635-003	Unknown	53	200.0	epa300	epa300	Finished	5/21/2010 7:01:54 PM
58	 K1004843-001	Unknown	54	200.0	epa300	epa300	Finished	5/21/2010 7:13:53 PM
59	 K1004843-003	Unknown	55	200.0	epa300	epa300	Finished	5/21/2010 7:25:50 PM
60	 K1004843-004	Unknown	56	200.0	epa300	epa300	Finished	5/21/2010 7:37:48 PM
61	 K1004843-006	Unknown	57	200.0	epa300	epa300	Finished	5/21/2010 7:49:45 PM
62	 K1004843-007	Unknown	58	200.0	epa300	epa300	Finished	5/21/2010 8:01:43 PM
63	 K1004843-008	Unknown	59	200.0	epa300	epa300	Finished	5/21/2010 8:13:40 PM
64	 K1004843-010	Unknown	60	200.0	epa300	epa300	Finished	5/21/2010 8:25:38 PM
65	 RB	Unknown	61	200.0	epa300	epa300	Finished	5/21/2010 8:37:35 PM
66	 CCV6	Unknown	62	200.0	epa300	epa300	Finished	5/21/2010 8:49:33 PM
67	 CCB6	Unknown	63	200.0	epa300	epa300	Finished	5/21/2010 9:01:30 PM
68	 SHUTDOWN	Unknown	64	200.0	shutdown 120	epa300	Finished	5/21/2010 9:13:28 PM

Sequence: IC03052110  
Operator: mblack

Page 4 of 4  
Printed: 5/24/2010 9:35:24 AM

Title:  
Datasource: ACQWET10\_local  
Location: DX120A  
Timebase: DX120  
#Samples: 68

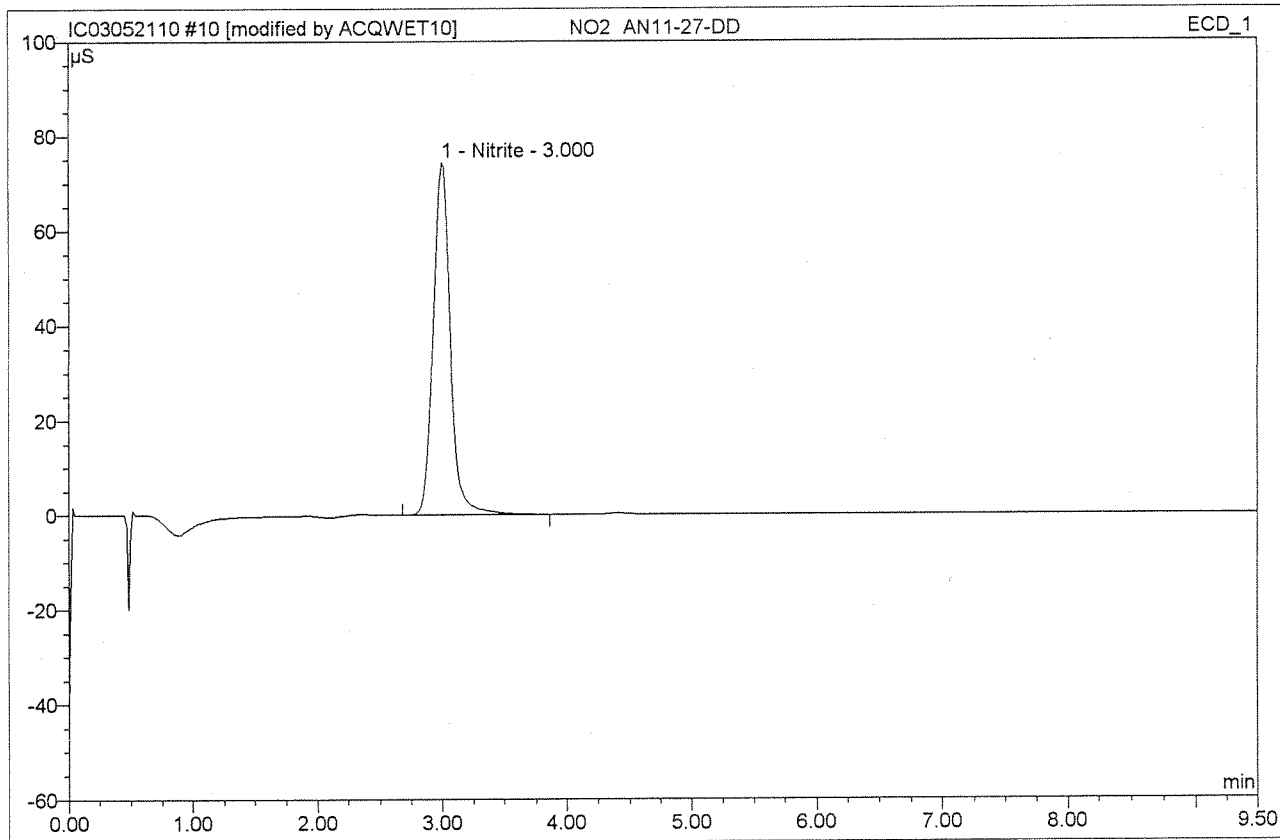
Created: 5/21/2010 8:38:44 AM by ACQWET10  
Last Update: 5/21/2010 6:19:54 PM by ACQWET10

No.	Name	Dil. Factor	Comment
43	CCB4	1.0000	CCB4
44	K1005222-001	2.0000	
45	K1005196-001	2.0000	5196-1D
46	K1005196-001	2.0000	5196-1MS
47	K1005196-001	2.0000	5196-1MSD
48	K1004843-009	5.0000	
49	K1004843-010	200.0000	
50	K1004635-001	20.0000	
51	K1005251-002	2.0000	
52	K1005251-004	2.0000	
53	RB	1.0000	
54	CCV5	1.0000	CCV5
55	CCB5	1.0000	CCB5
56	K1004635-003	50.0000	
57	K1004635-003	10.0000	
58	K1004843-001	2.0000	
59	K1004843-003	10.0000	
60	K1004843-004	50.0000	
61	K1004843-006	2.0000	
62	K1004843-007	2.0000	
63	K1004843-008	2.0000	
64	K1004843-010	20.0000	
65	RB	1.0000	
66	CCV6	1.0000	CCV6
67	CCB6	1.0000	CCB6
68	SHUTDOWN	1.0000	

# 10 NO2 AN11-27-DD

## NO2

Sample Name:	NO2 AN11-27-DD	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:	5/21/2010 9:06	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	3.00	Nitrite	74.385	11.849	100.00	102.599	103% BMB*
<b>Total:</b>			74.385	11.849	100.00	102.599	

After  
initials

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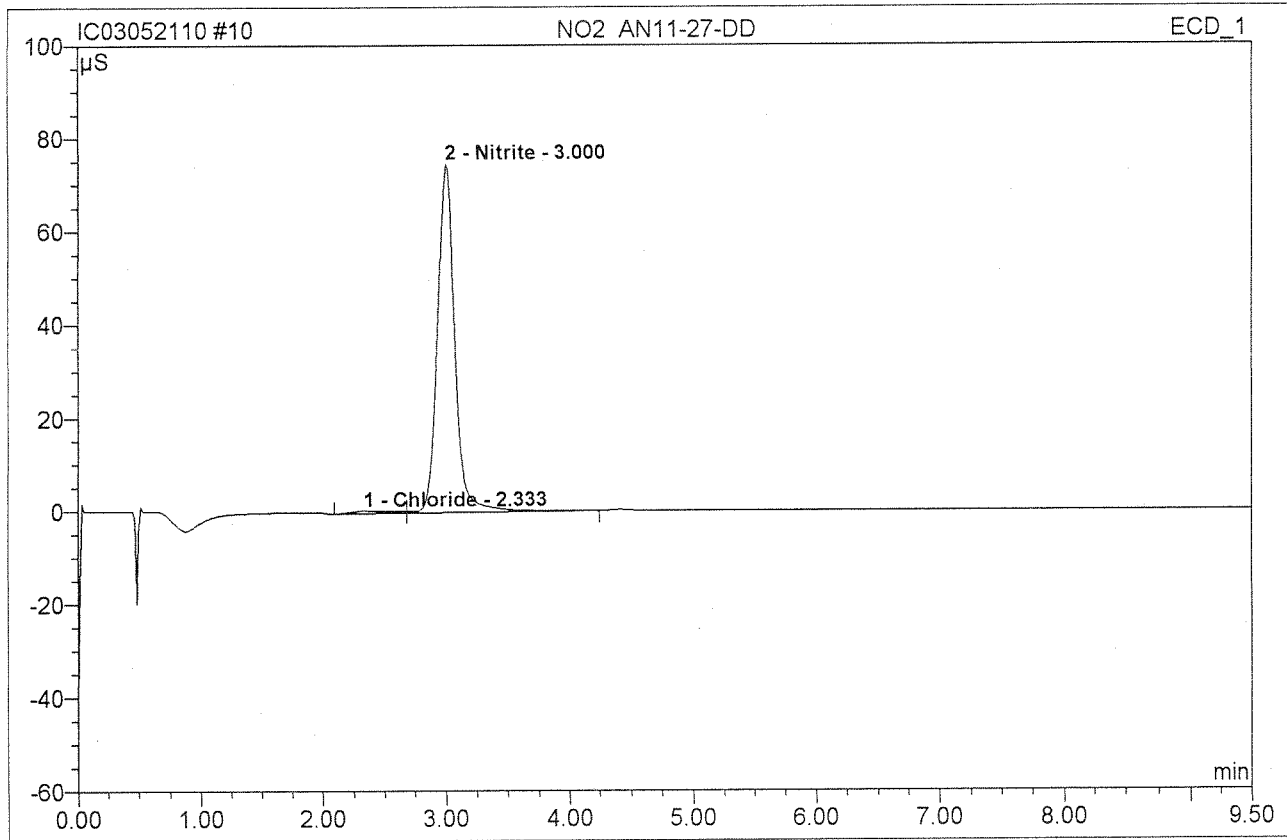
*5/25/10*

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# 10 NO2 AN11-27-DD

## NO2

Sample Name:	NO2 AN11-27-DD	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:	5/21/2010 9:06	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

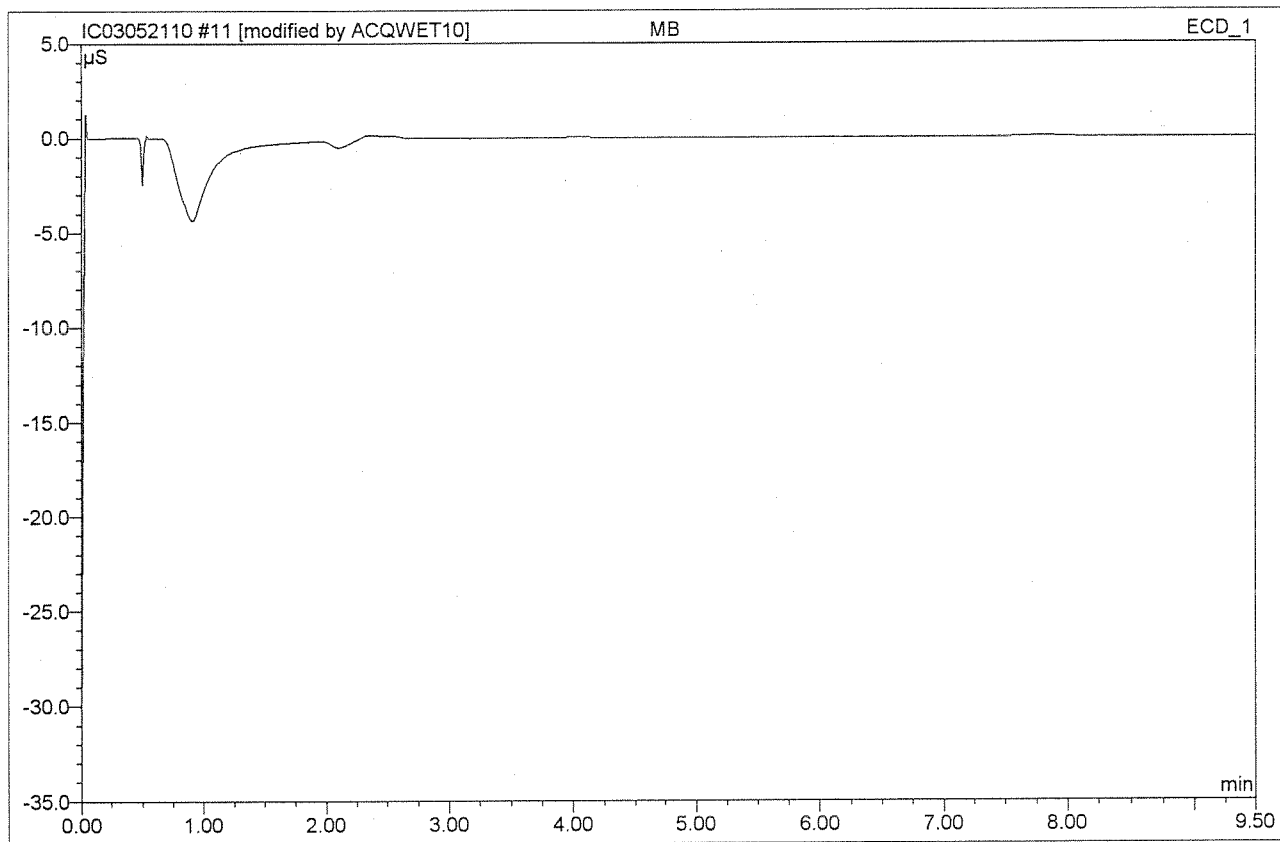


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.33	Chloride	0.601	0.240	1.93	3.843	BM
2	3.00	Nitrite	74.687	12.170	98.07	105.375	MB
<b>Total:</b>			75.288	12.410	100.00	109.219	

Before

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<b>11 MB</b>			
<b>MB</b>			
Sample Name:	MB	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:	1.0000
Recording Time:	5/21/2010 9:18	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



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

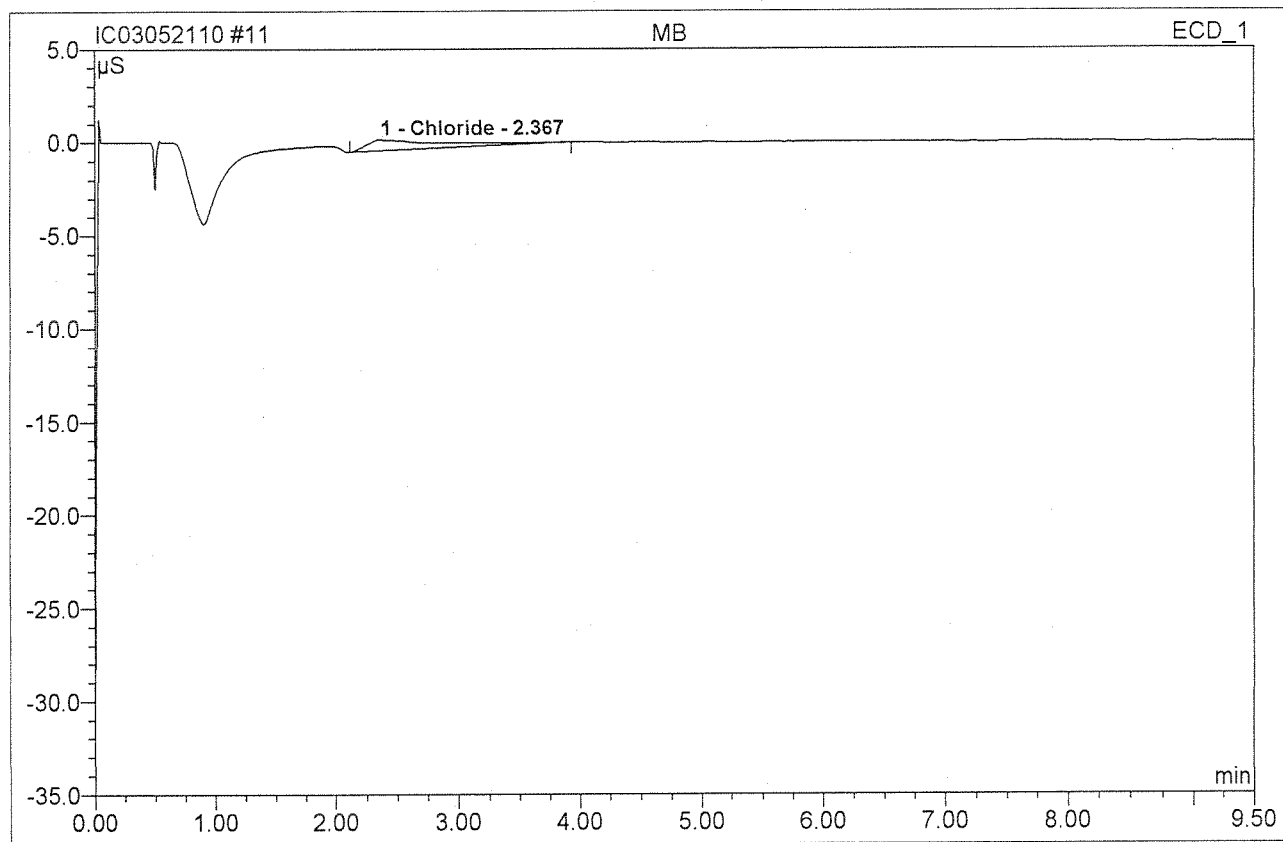
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Initials

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MAY 21 2010

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<b>11 MB</b>			
<b>MB</b>			
Sample Name:	MB	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:	1.0000
Recording Time:	5/21/2010 9:18	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



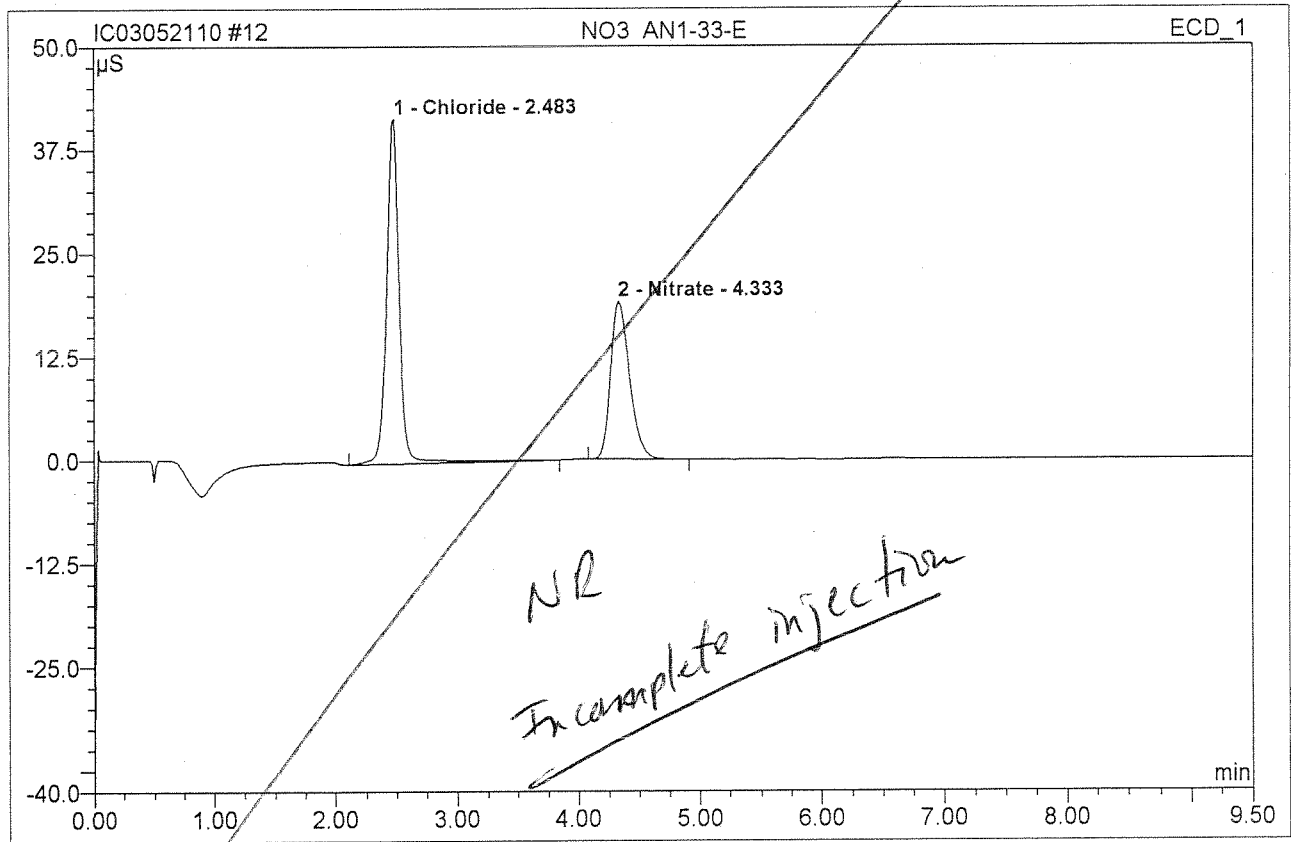
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	2.37	Chloride	0.588	0.432	100.00	0.277	BMB
<b>Total:</b>			0.588	0.432	100.00	0.277	

Before

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<b>12 NO3 AN1-33-E</b>			
<b>NO3</b>			
Sample Name:	NO3 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:	20.0000
Recording Time:	5/21/2010 9:30	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

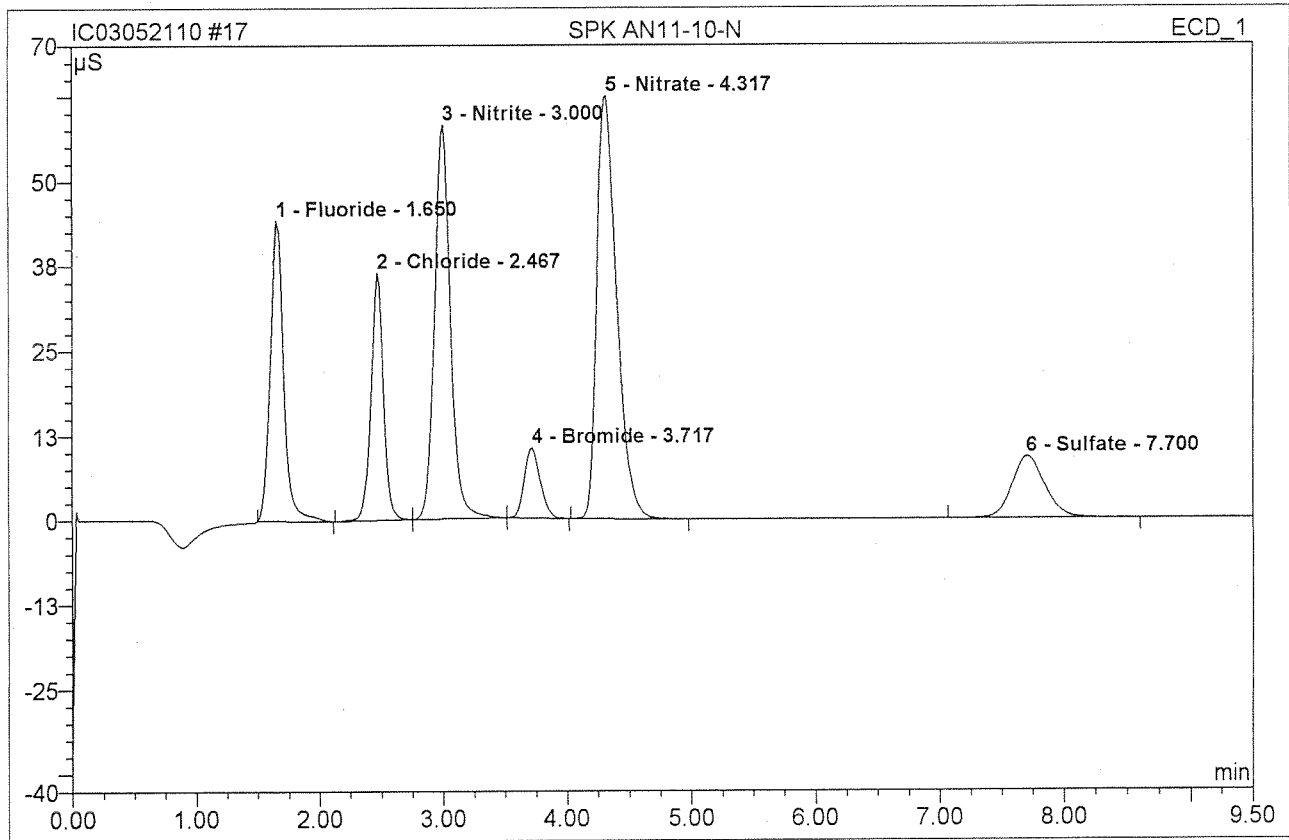


No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	2.48	Chloride	41.642	5.053	59.66	64.796	BMB
2	4.33	Nitrate	19.073	3.416	40.34	18.545	BMB
<b>Total:</b>			60.716	8.469	100.00	83.341	

# 17 SPK AN11-10-N

## SPK

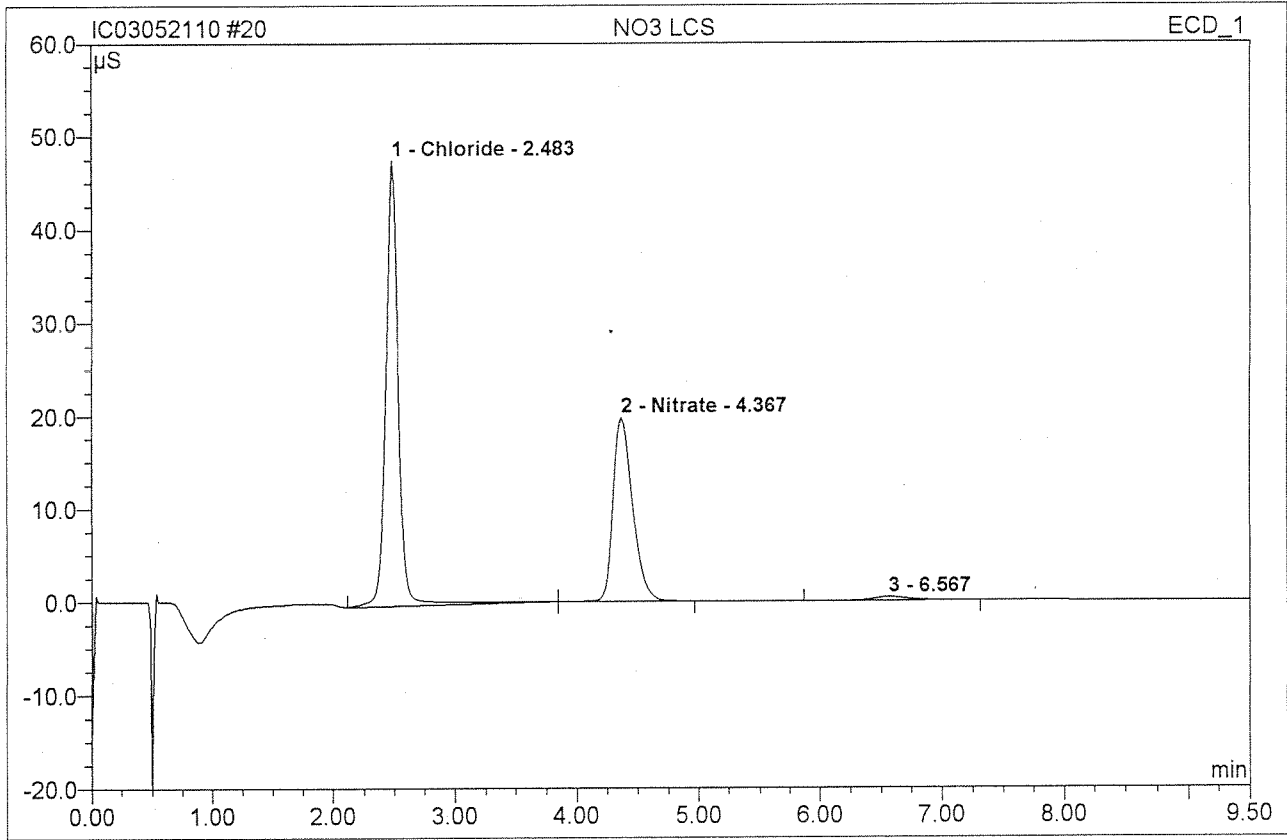
Sample Name:	SPK AN11-10-N	Injection Volume:	200.0
Vial Number:	16	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 10:30	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.65	Fluoride	44.276	5.437	15.83	2.841	BMB
2	2.47	Chloride	36.452	4.251	12.38	2.726	BMB
3	3.00	Nitrite	58.071	8.698	25.32	3.013	bMb
4	3.72	Bromide	10.421	1.570	4.57	2.930	bMB
5	4.32	Nitrate	62.343	11.613	33.81	3.152	BMB
6	7.70	Sulfate	9.137	2.781	8.10	2.826	BMB
<b>Total:</b>			220.699	34.350	100.00	17.488	

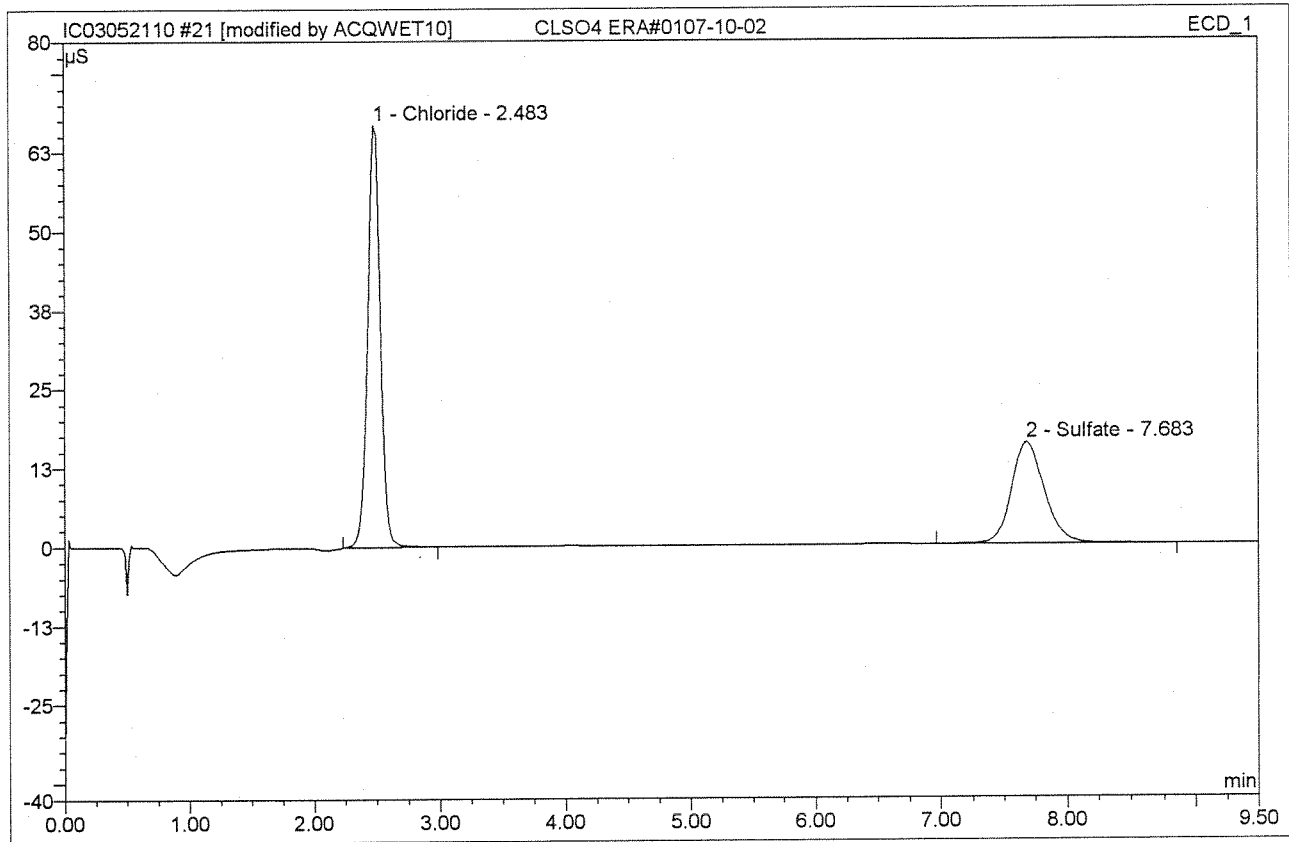
TV=3.00

<b>20 NO3 LCS</b>			
<b>NO3</b>			
Sample Name:	NO3 LCS	Injection Volume:	200.0
Vial Number:	17	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	20.0000
Recording Time:	5/21/2010 11:06	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.48	Chloride	47.837	5.723	60.19	73.396	BMB
2	4.37	Nitrate	19.773	3.637	38.26	19.748 <sup>41%</sup>	bMB
3	6.57	n.a.	0.401	0.148	1.55	n.a.	BMB
<b>Total:</b>			68.011	9.508	100.00	93.143	

<b>21 CLSO4 ERA#0107-10-02</b>			
<b>CLSO4</b>			
Sample Name:	CLSO4 ERA#0107-10-02	Injection Volume:	200.0
Vial Number:	17	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 11:18	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.48	Chloride	66.825	7.705	61.40	4.940 <del>77.2</del>	BMB*
2	7.68	Sulfate	16.128	4.844	38.60	4.923 <del>15.9</del>	BMB
<b>Total:</b>			82.953	12.549	100.00	9.863	

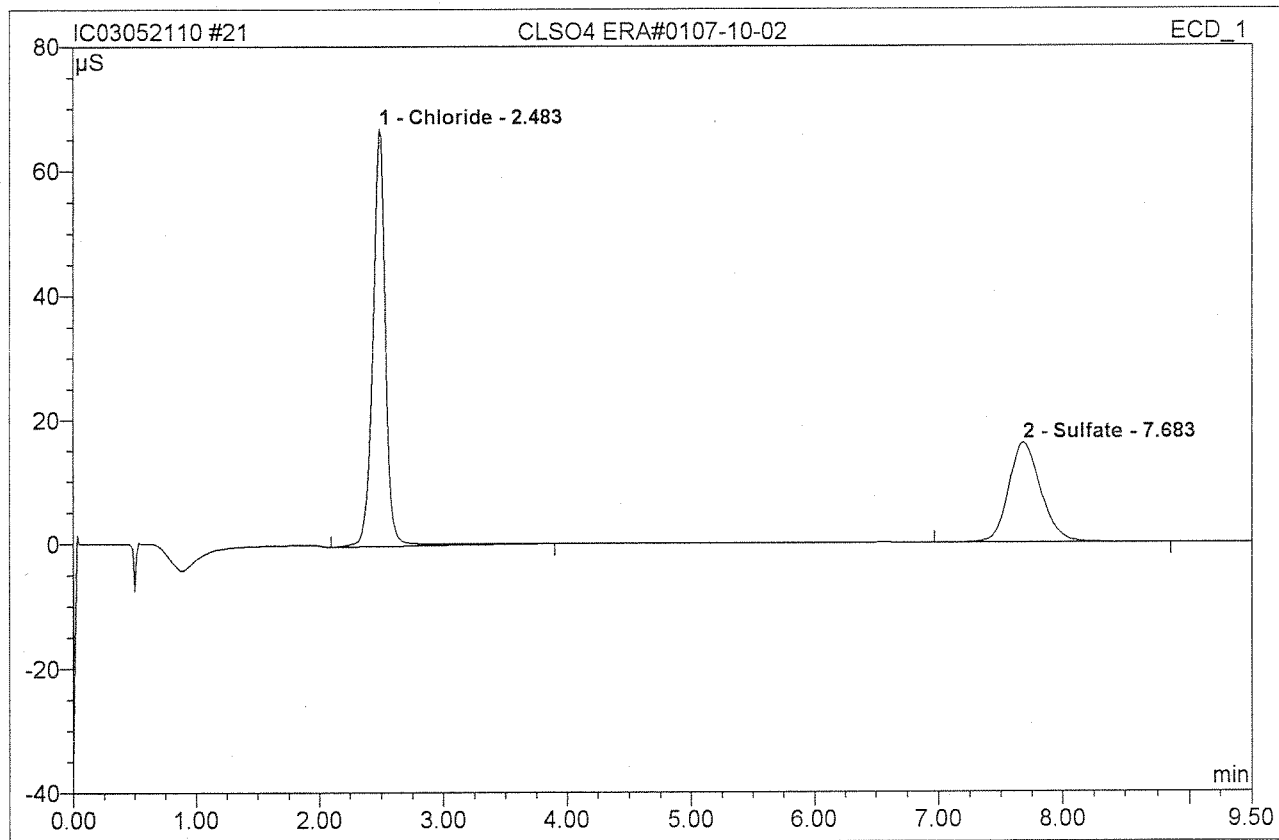
After  
Initials

*[Handwritten Signature]*

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*[Handwritten Signature]* 5/25/10

<b>21 CLSO4 ERA#0107-10-02</b>			
<b>CLSO4</b>			
Sample Name:	CLSO4 ERA#0107-10-02	Injection Volume:	200.0
Vial Number:	17	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 11:18	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

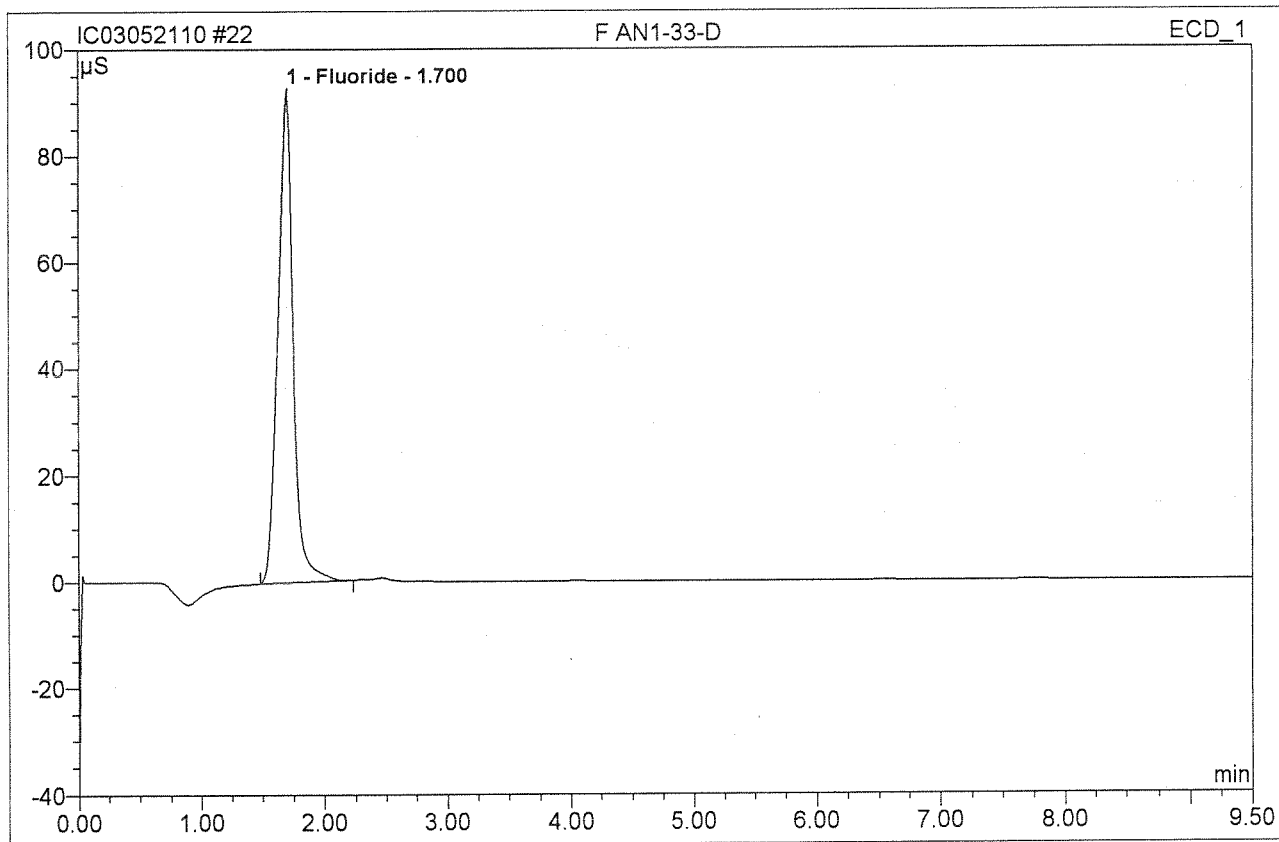


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.48	Chloride	67.134	8.058	62.45	5.167	BMB
2	7.68	Sulfate	16.128	4.844	37.55	4.923	BMB
<b>Total:</b>			83.263	12.902	100.00	10.090	

Before

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<b>22 F AN1-33-D</b>			
<b>F</b>			
Sample Name:	F AN1-33-D	Injection Volume:	200.0
Vial Number:	18	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	5/21/2010 11:30	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

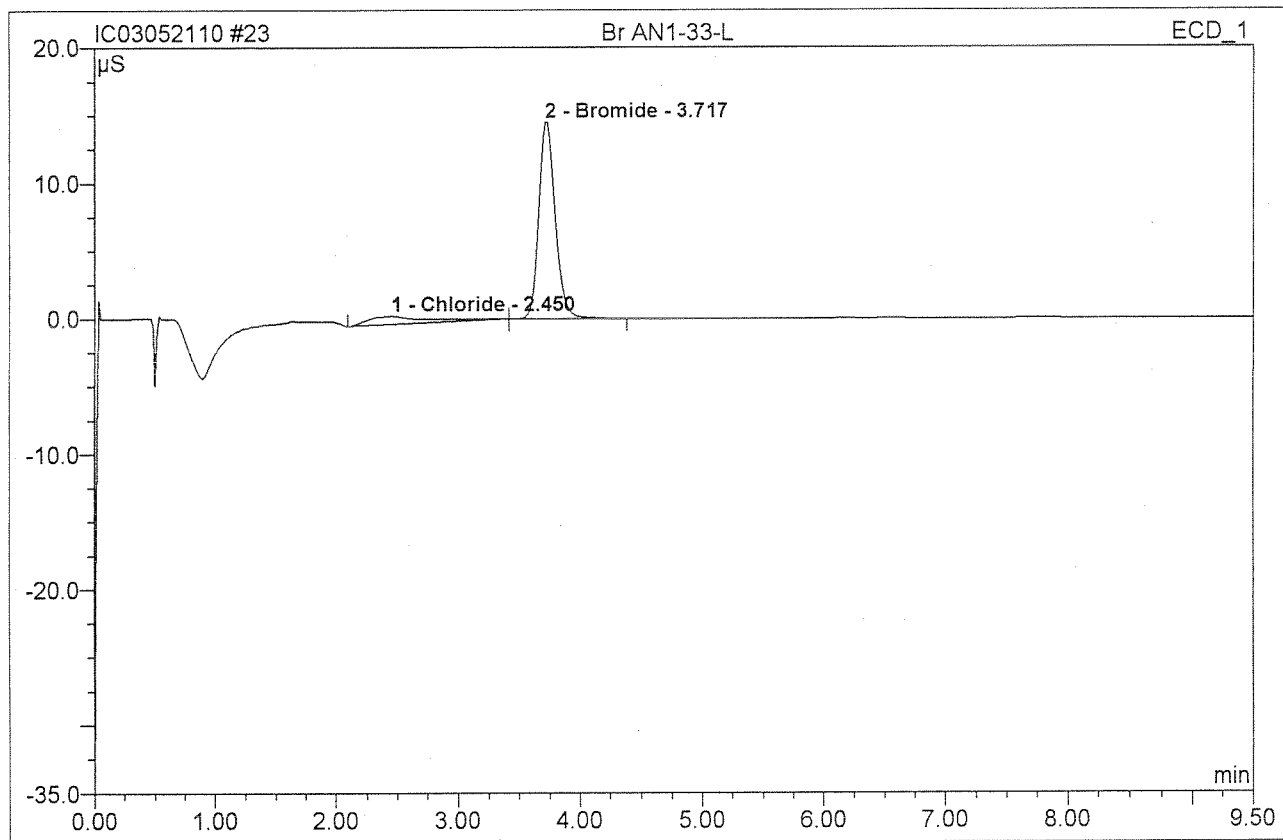


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.70	Fluoride	92.736	13.199	100.00	13.796 <del>100%</del>	BMB
<b>Total:</b>			92.736	13.199	100.00	13.796	

### 23 Br AN1-33-L

Br

Sample Name:	Br AN1-33-L	Injection Volume:	200.0
Vial Number:	19	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 11:42	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

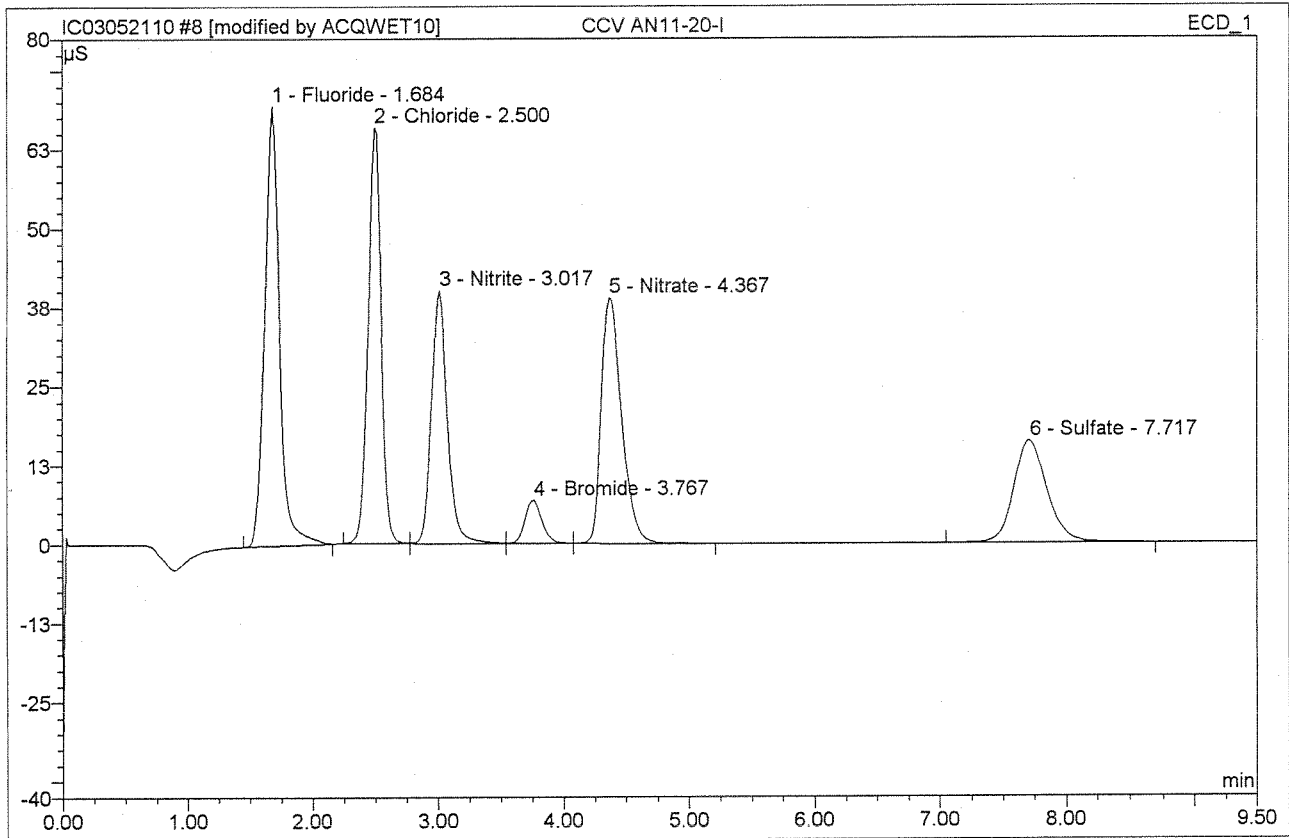


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.45	Chloride	0.603	0.333	12.68	0.214	BMB
2	3.72	Bromide	14.499	2.295	87.32	4.284107?	bMB
<b>Total:</b>			15.102	2.629	100.00	4.498	

### 8 CCV AN11-20-I

#### CCV1

Sample Name:	CCV AN11-20-I	Injection Volume:	200.0
Vial Number:	8	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 8:42	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	1.68	Fluoride	69.589	9.394	25.95	4.910 <sup>98?</sup>	BMB*
2	2.50	Chloride	65.786	7.789	21.52	4.994 <sup>102?</sup>	BM *
3	3.02	Nitrite	39.953	5.826	16.10	2.018 <sup>101?</sup>	M *
4	3.77	Bromide	6.795	1.062	2.94	1.983 <sup>99?</sup>	M *
5	4.37	Nitrate	38.829	7.221	19.95	1.960 <sup>95?</sup>	MB*
6	7.72	Sulfate	16.157	4.902	13.54	4.981 <sup>100?</sup>	BMB
<b>Total:</b>			237.109	36.194	100.00	20.846	

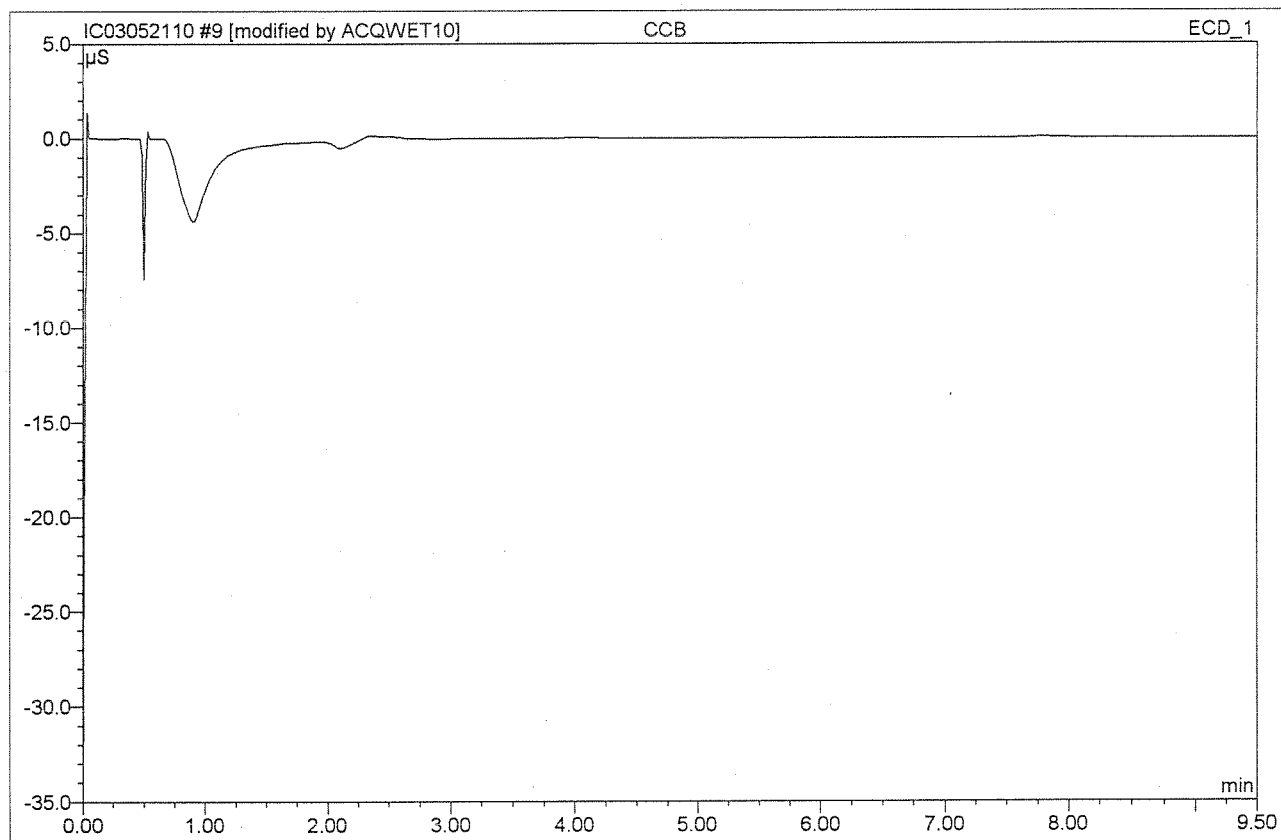
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<b>9 CCB</b>			
<b>CCB1</b>			
Sample Name:	CCB	Injection Volume:	200.0
Vial Number:	9	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 8:54	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



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

After  
Initials

*MB*

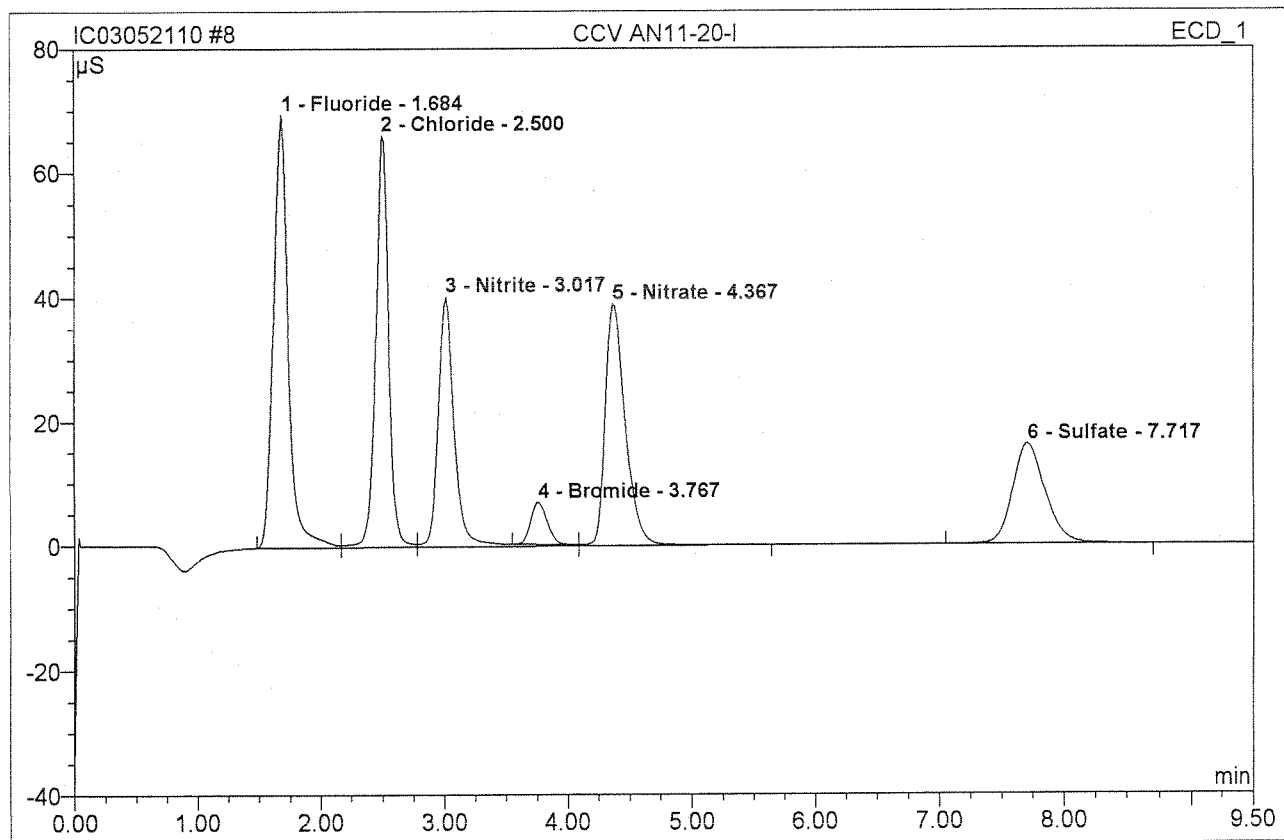
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### 8 CCV AN11-20-I

#### CCV1

Sample Name:	CCV AN11-20-I	Injection Volume:	200.0
Vial Number:	8	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 8:42	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

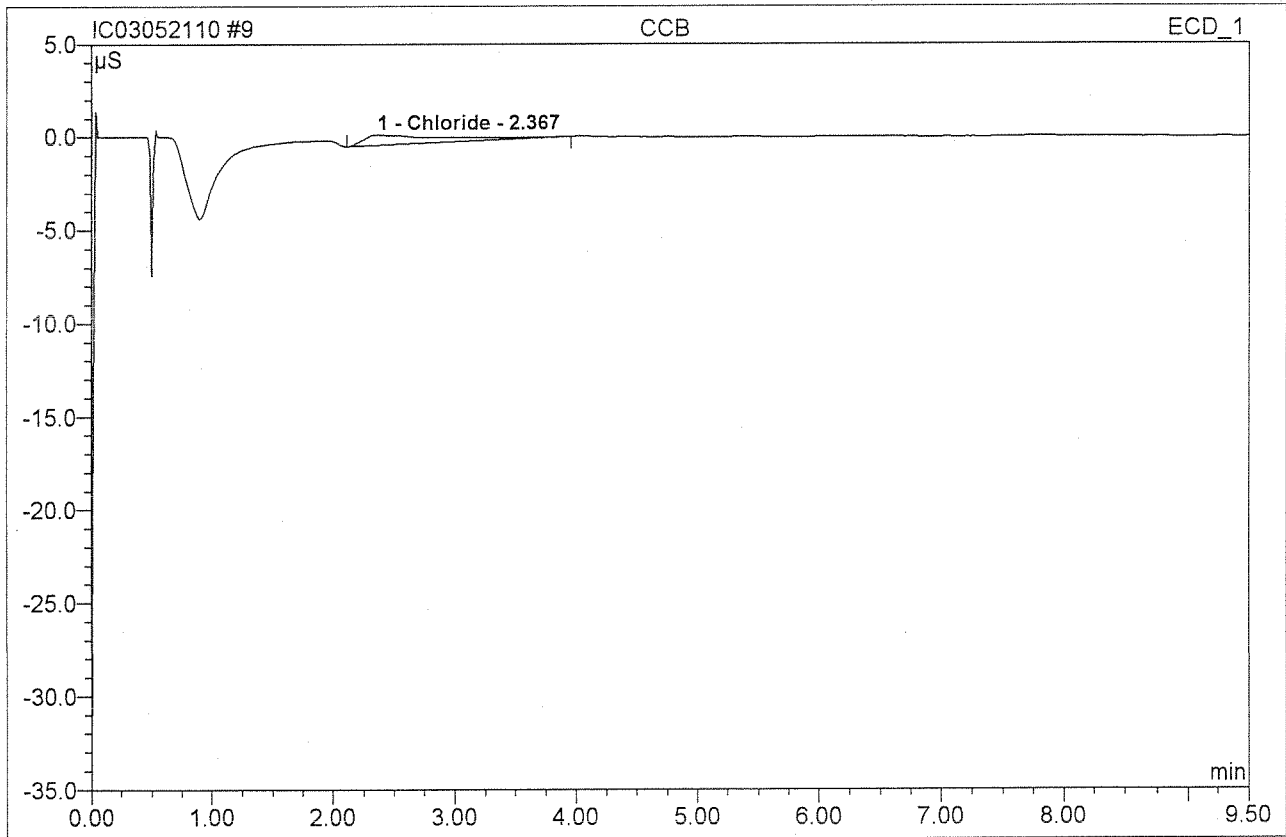


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.68	Fluoride	69.667	9.506	25.62	4.968	BM
2	2.50	Chloride	66.219	8.053	21.70	5.163	M
3	3.02	Nitrite	40.311	6.232	16.79	2.158	M
4	3.77	Bromide	6.757	1.044	2.81	1.949	Rd
5	4.37	Nitrate	38.992	7.369	19.86	2.000	MB
6	7.72	Sulfate	16.157	4.902	13.21	4.981	BMB
<b>Total:</b>			238.104	37.106	100.00	21.220	

Before

MAY 21 2010

<b>9 CCB</b>			
<b>CCB1</b>			
Sample Name:	CCB	Injection Volume:	200.0
Vial Number:	9	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 8:54	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

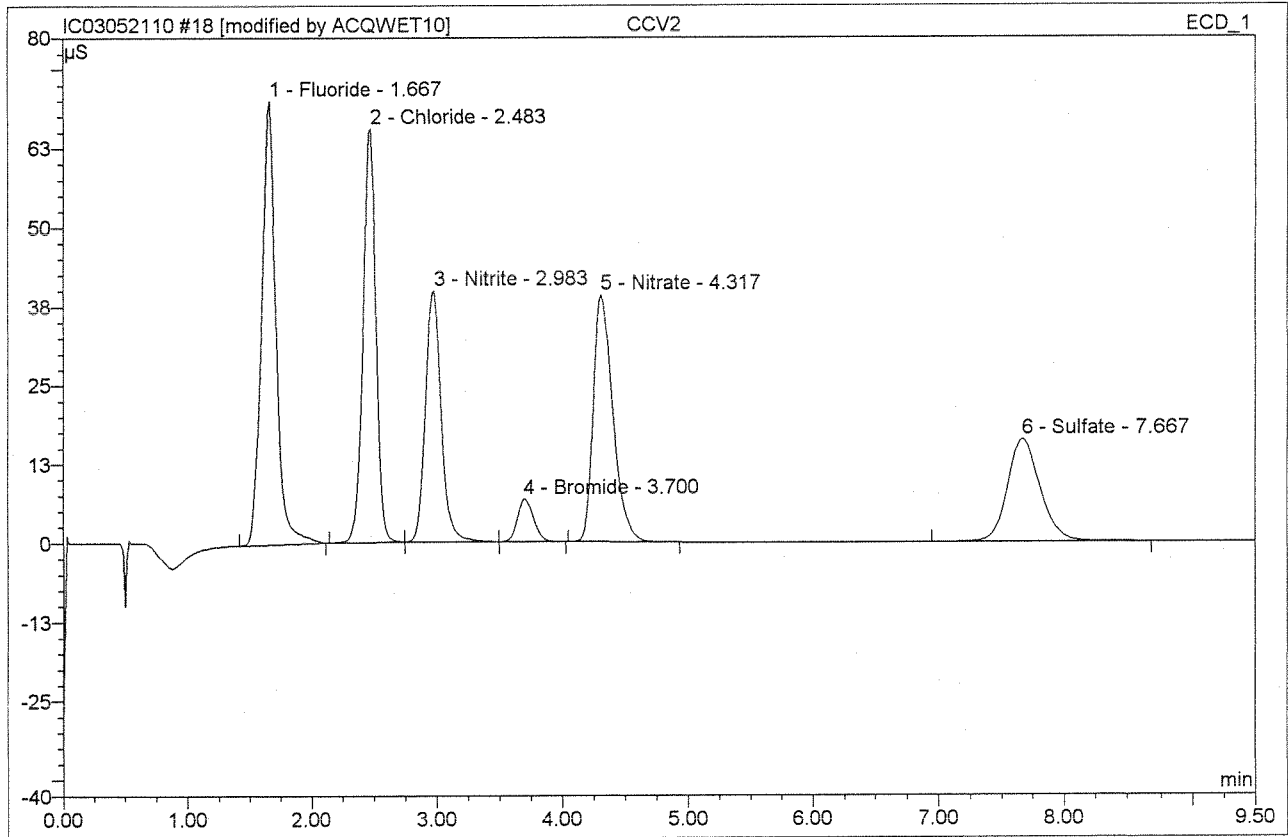


No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	2.37	Chloride	0.577	0.421	100.00	0.270	BMB
<b>Total:</b>			0.577	0.421	100.00	0.270	

Before

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<b>18 CCV2</b>			
<b>CCV2</b>			
Sample Name:	CCV2	Injection Volume:	200.0
Vial Number:	15	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 10:42	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.67	Fluoride	70.161	9.437	26.23	4.932792	BMB*
2	2.48	Chloride	65.452	7.694	21.39	4.934992	BMB
3	2.98	Nitrite	39.805	5.765	16.02	1.997002	bMB
4	3.70	Bromide	6.760	1.031	2.86	1.924962	bMB
5	4.32	Nitrate	39.230	7.148	19.87	1.940772	BMB
6	7.67	Sulfate	16.286	4.899	13.62	4.9791002	BMB
<b>Total:</b>			237.694	35.975	100.00	20.705	

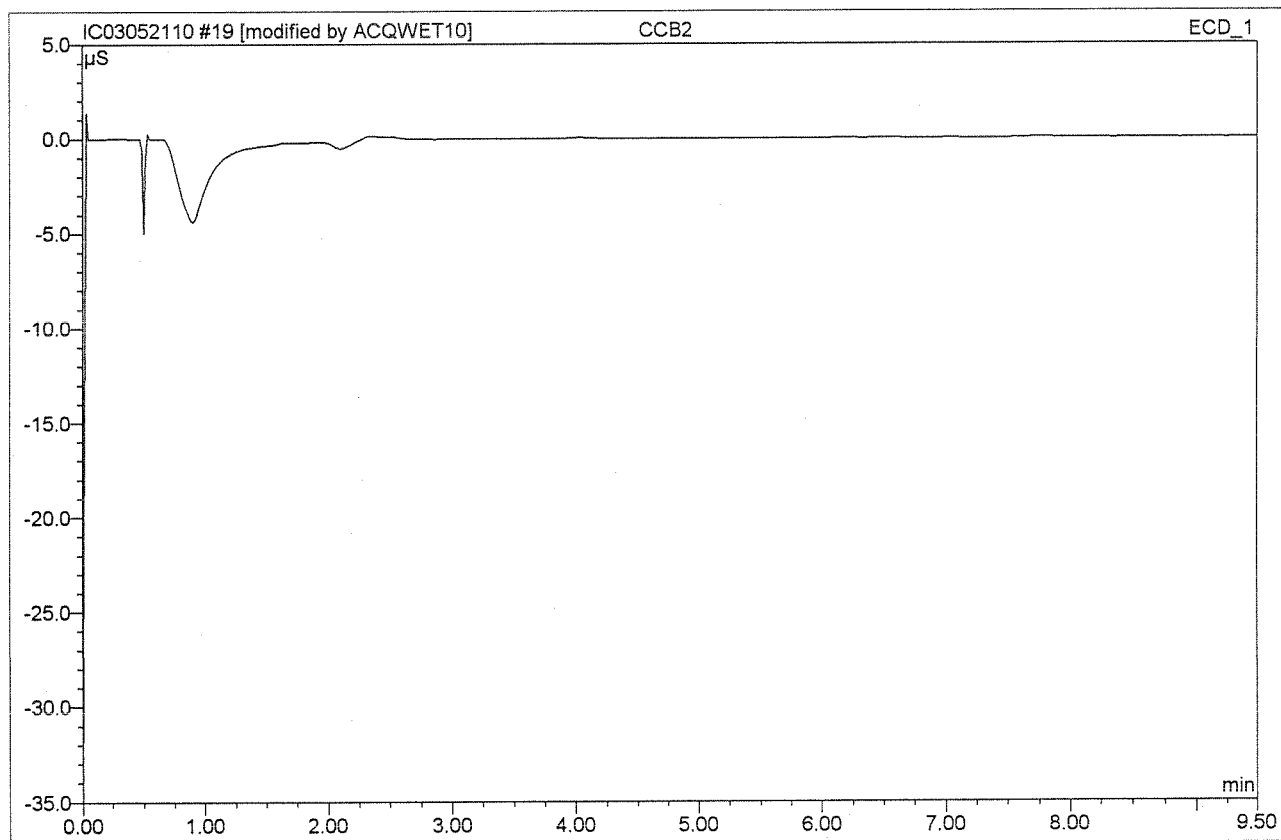
After Initials

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<b>19 CCB2</b>			
<b>CCB2</b>			
Sample Name:	CCB2	Injection Volume:	200.0
Vial Number:	16	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 10:54	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



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

After Initials

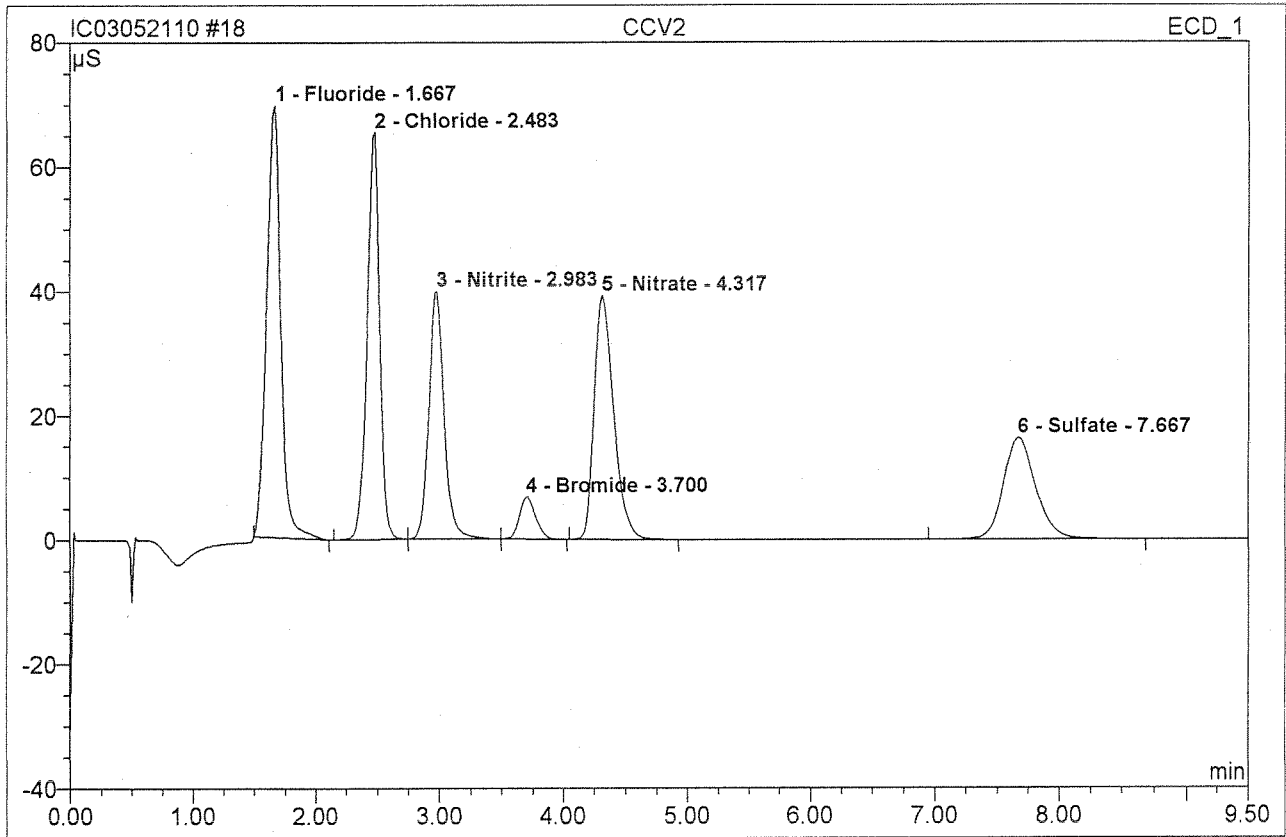
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Peak Data Found  
 Peak Area Found  
 Peak Height Found

*Ju 5/25/10*

<b>18 CCV2</b>			
<b>CCV2</b>			
Sample Name:	CCV2	Injection Volume:	200.0
Vial Number:	15	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 10:42	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.67	Fluoride	69.491	9.140	25.62	4.777	BMB
2	2.48	Chloride	65.452	7.694	21.57	4.934	BMB
3	2.98	Nitrite	39.805	5.765	16.16	1.997	bMB
4	3.70	Bromide	6.760	1.031	2.89	1.924	bMB
5	4.32	Nitrate	39.230	7.148	20.04	1.940	BMB
6	7.67	Sulfate	16.286	4.899	13.73	4.979	BMB
<b>Total:</b>			237.024	35.678	100.00	20.550	

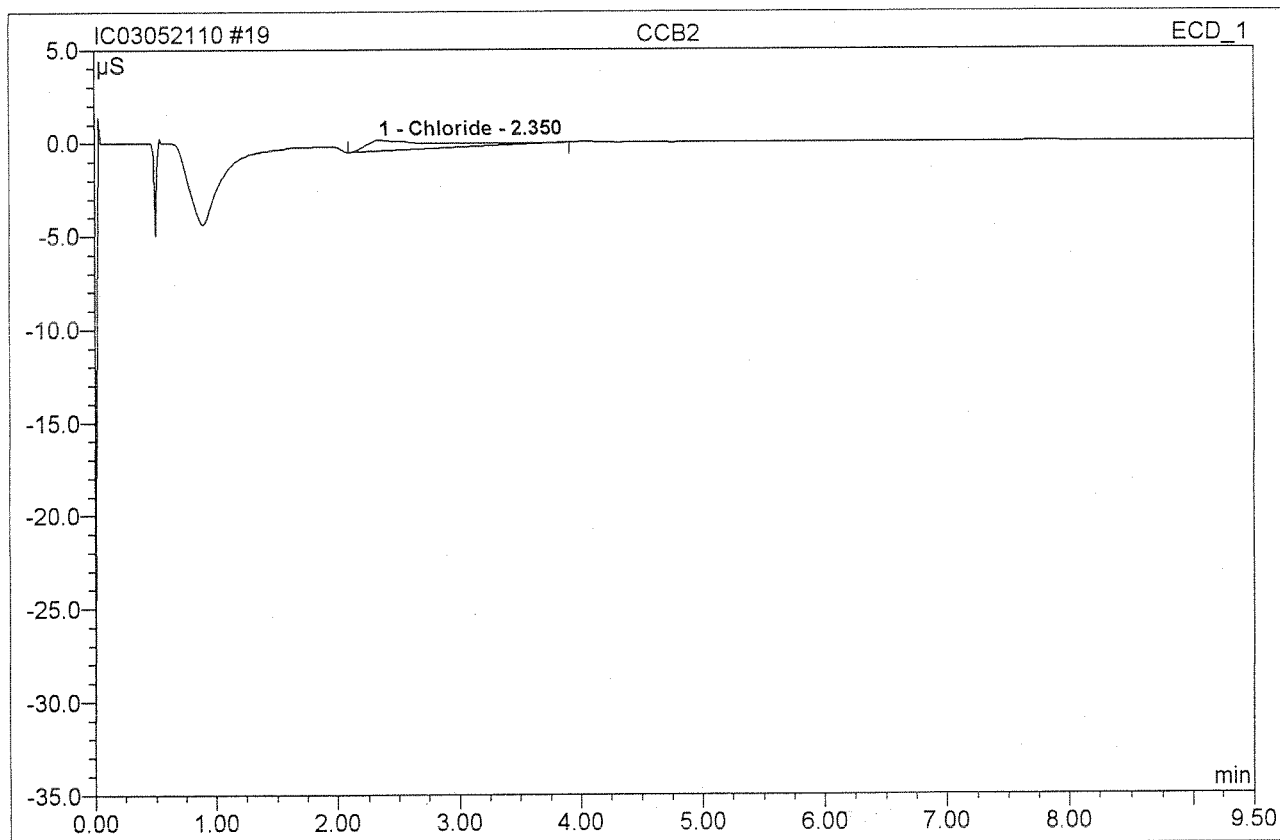
Before

MAY 21 2010

# 19 CCB2

## CCB2

Sample Name:	CCB2	Injection Volume:	200.0
Vial Number:	16	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 10:54	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

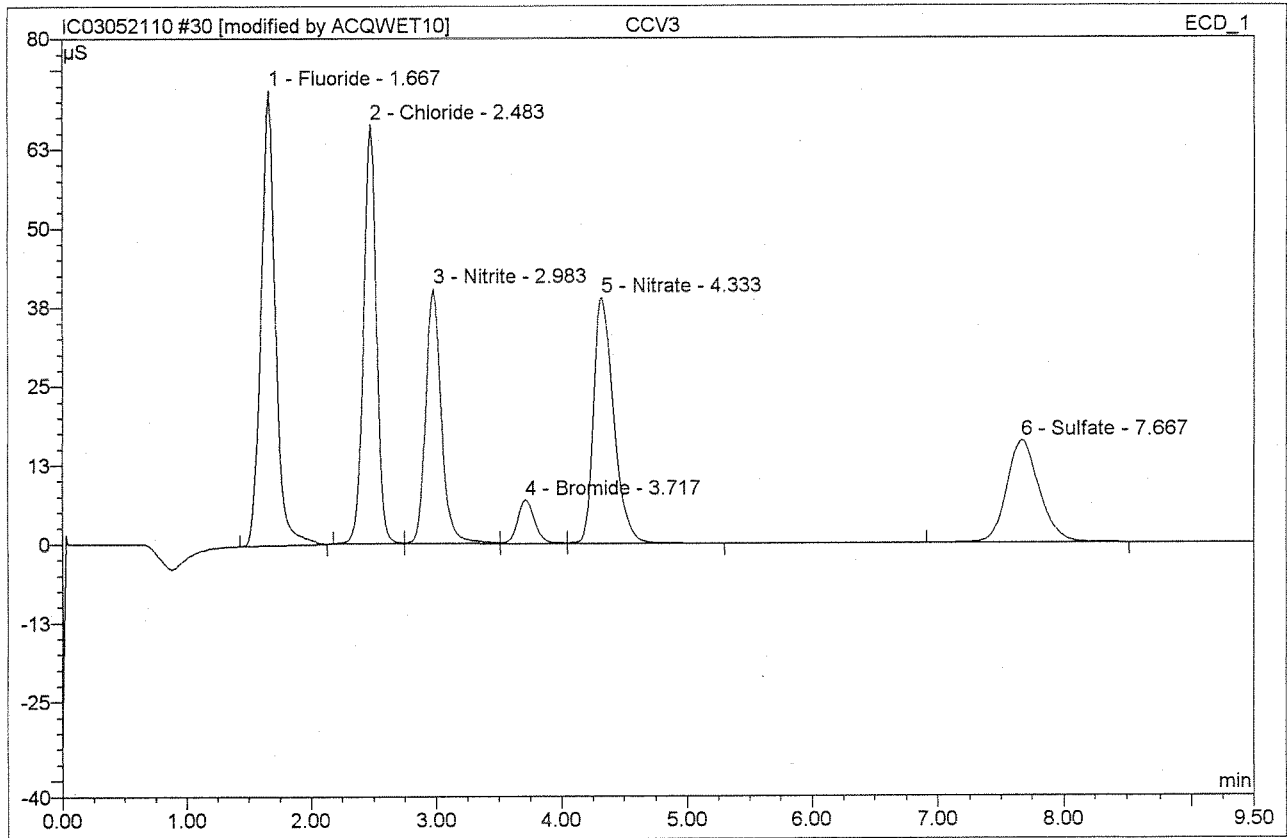


No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	2.35	Chloride	0.590	0.424	100.00	0.272	BMB
<b>Total:</b>			0.590	0.424	100.00	0.272	

Before

MAY 21 2010

<b>30 CCV3</b>			
<b>CCV3</b>			
Sample Name:	CCV3	Injection Volume:	200.0
Vial Number:	26	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 13:38	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.67	Fluoride	72.043	9.575	26.33	5.004102%	BMB*
2	2.48	Chloride	66.376	7.758	21.33	4.97499%	BM *
3	2.98	Nitrite	40.374	5.880	16.17	2.036102%	M *
4	3.72	Bromide	6.909	1.090	3.00	2.034102%	M *
5	4.33	Nitrate	38.902	7.213	19.83	1.95898%	MB*
6	7.67	Sulfate	16.200	4.855	13.35	4.93499%	BMB
<b>Total:</b>			240.804	36.372	100.00	20.941	

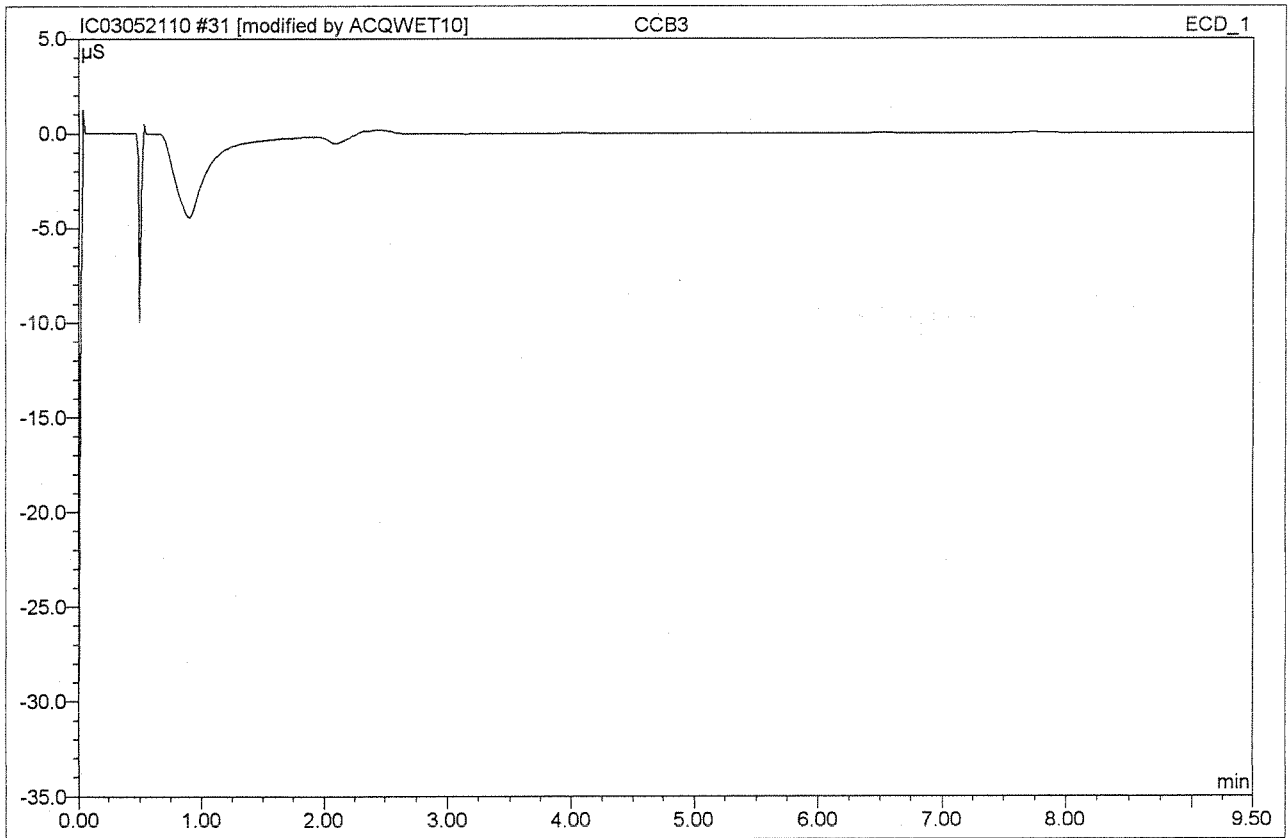
AP  
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MAY 21 2010

5/25/10



<b>31 CCB3</b>			
<b>CCB3</b>			
Sample Name:	CCB3	Injection Volume:	200.0
Vial Number:	27	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 13:50	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



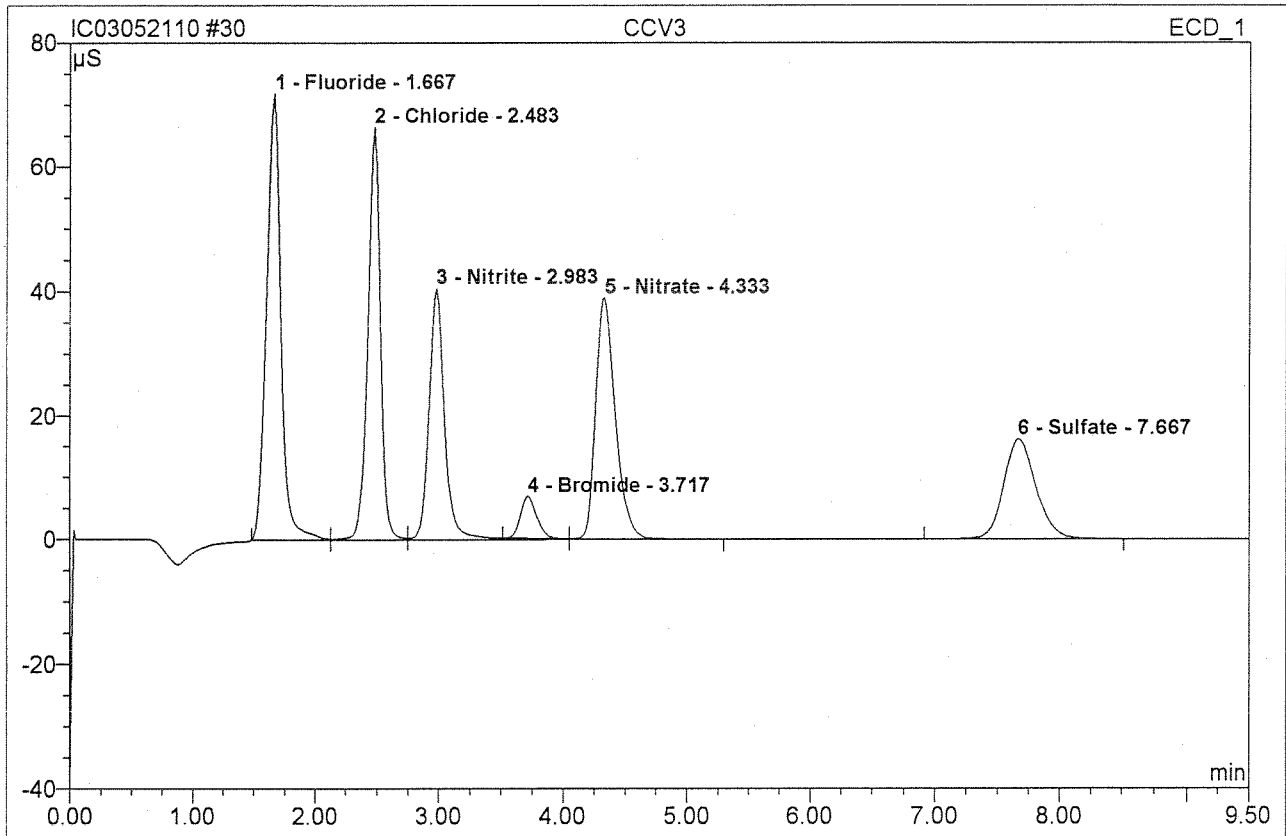
No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
<b>Total:</b>			0.000	0.000	0.00	0.000	

APR 18 2010

MAY 21 2010

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<b>30 CCV3</b>			
<b>CCV3</b>			
Sample Name:	CCV3	Injection Volume:	200.0
Vial Number:	26	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 13:38	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

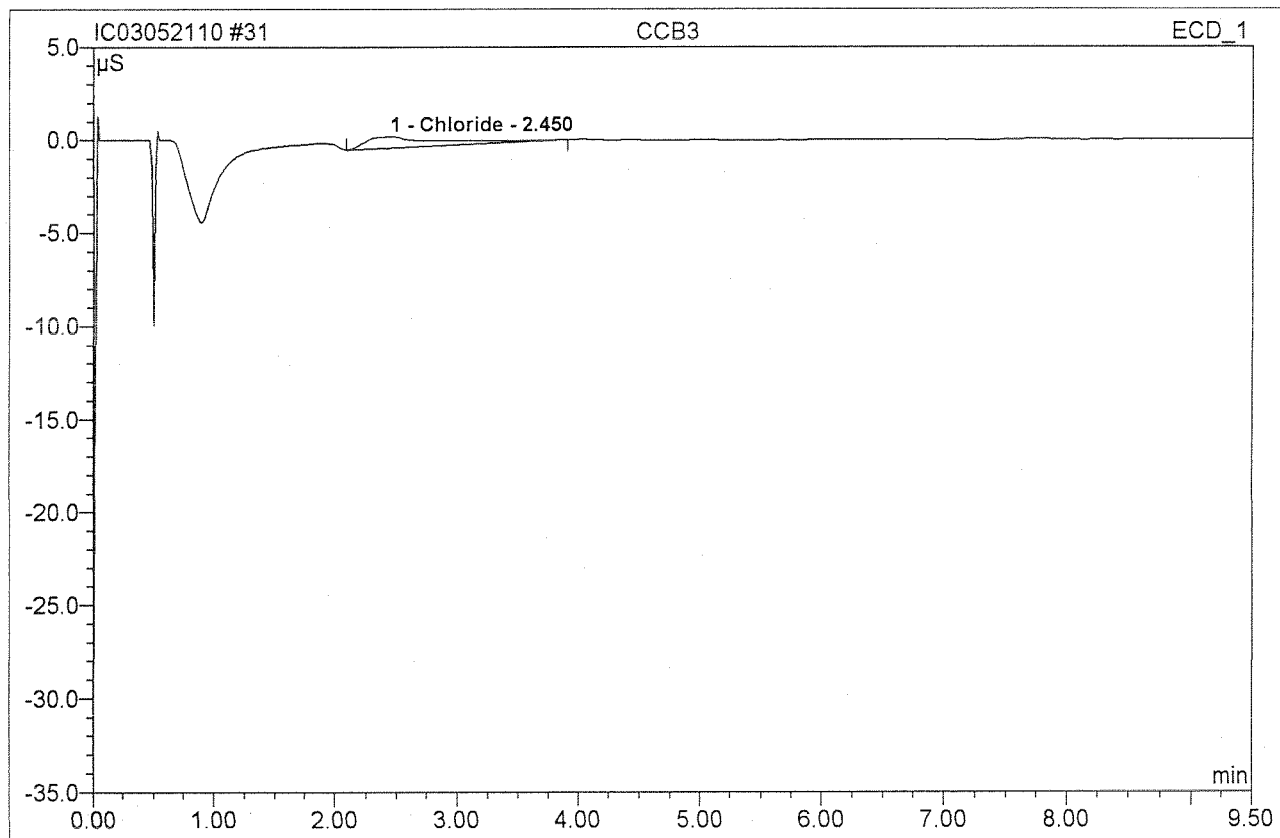


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.67	Fluoride	71.908	9.532	26.06	4.982	BM
2	2.48	Chloride	66.516	7.844	21.45	5.030	M
3	2.98	Nitrite	40.489	6.063	16.58	2.100	M
4	3.72	Bromide	6.792	1.030	2.82	1.923	Rd
5	4.33	Nitrate	38.950	7.252	19.83	1.969	MB
6	7.67	Sulfate	16.200	4.855	13.27	4.934	BMB
<b>Total:</b>			240.855	36.576	100.00	20.936	

Before

MAY 21 2010

<b>31 CCB3</b>			
<b>CCB3</b>			
Sample Name:	CCB3	Injection Volume:	200.0
Vial Number:	27	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 13:50	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

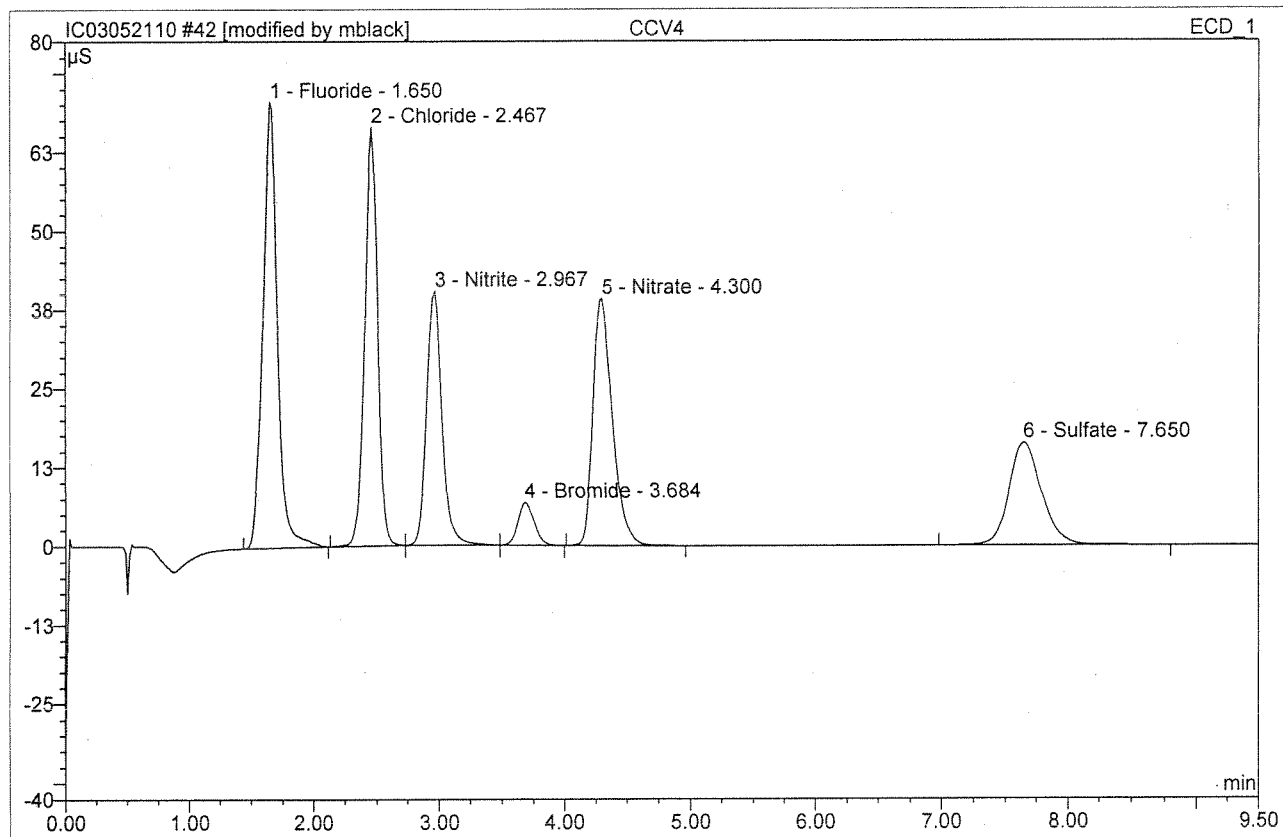


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	2.45	Chloride	0.629	0.442	100.00	0.284	BMB
<b>Total:</b>			0.629	0.442	100.00	0.284	

Before

MAY 21 2010

<b>42 CCV4</b>			
<b>CCV4</b>			
Sample Name:	CCV4	Injection Volume:	200.0
Vial Number:	38	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 16:02	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.65	Fluoride	70.706	9.484	26.35	4.95699%	BMB*
2	2.47	Chloride	66.431	7.696	21.38	4.93599%	BMB
3	2.97	Nitrite	40.261	5.748	15.97	1.99100%	bMB
4	3.68	Bromide	6.825	1.040	2.89	1.94097%	bMB
5	4.30	Nitrate	39.177	7.158	19.89	1.94397%	BMB
6	7.65	Sulfate	16.265	4.867	13.52	4.94699%	BMB
<b>Total:</b>			239.665	35.992	100.00	20.711	

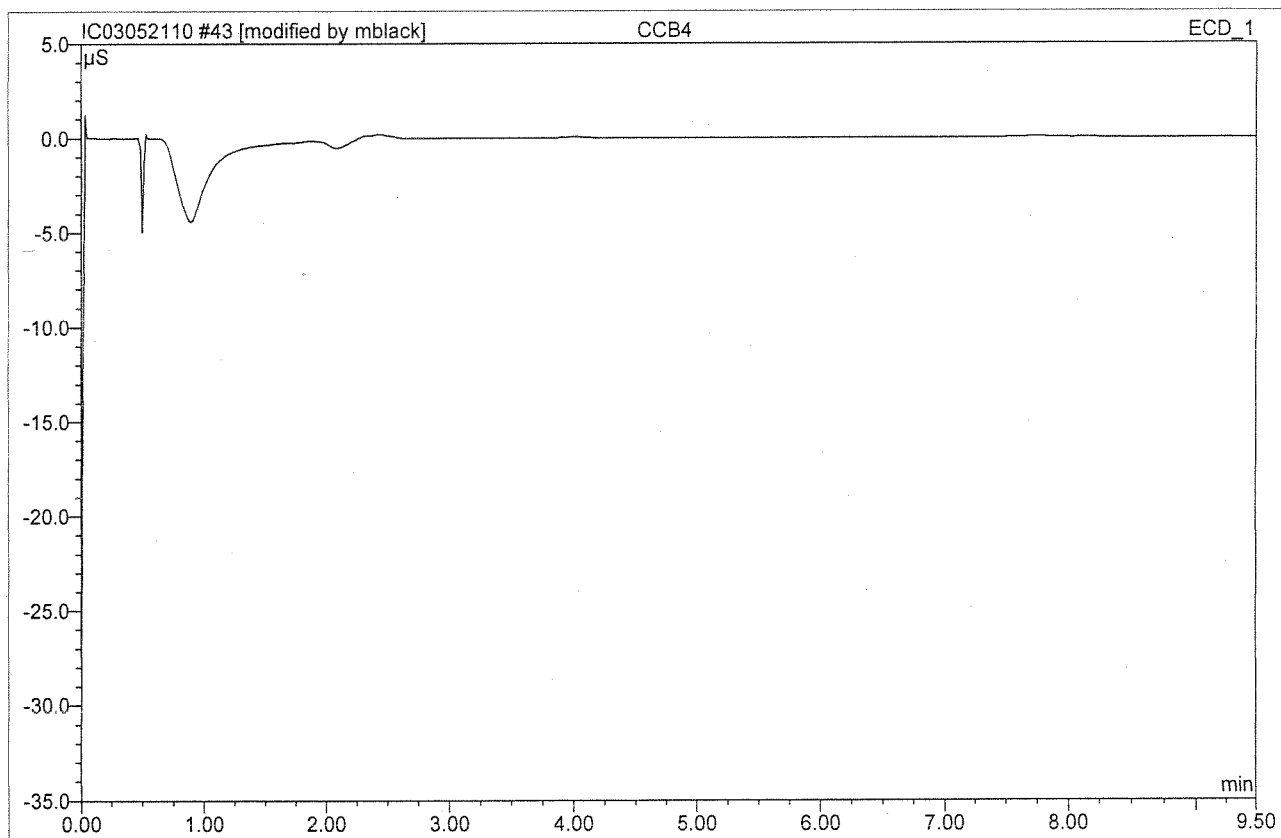
After Initials

*MB*

*MB 5/25/10*

MAY 21 2010

<b>43 CCB4</b>			
<b>CCB4</b>			
Sample Name:	CCB4	Injection Volume:	200.0
Vial Number:	39	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 16:14	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



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

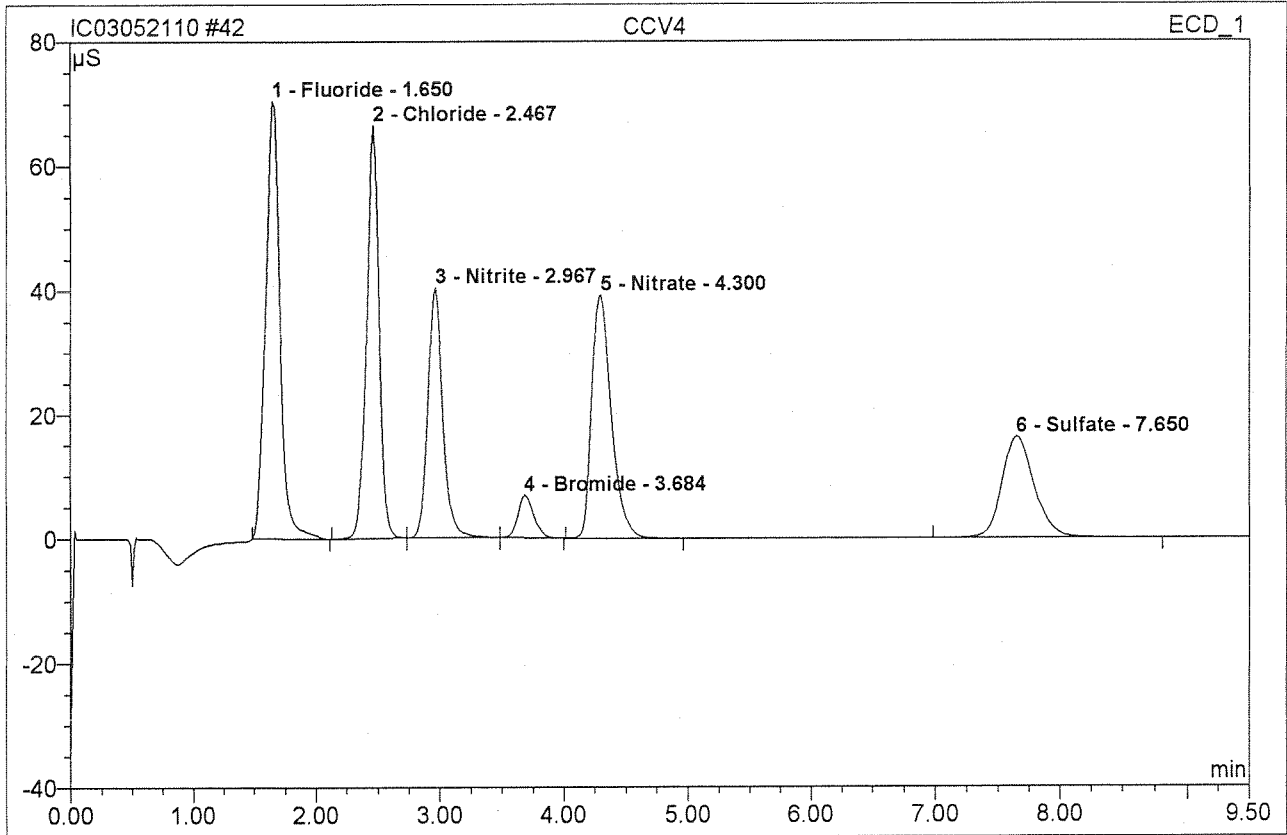
After  
Labels

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MAY 21 2010

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<b>42 CCV4</b>			
<b>CCV4</b>			
Sample Name:	CCV4	Injection Volume:	200.0
Vial Number:	38	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 16:02	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

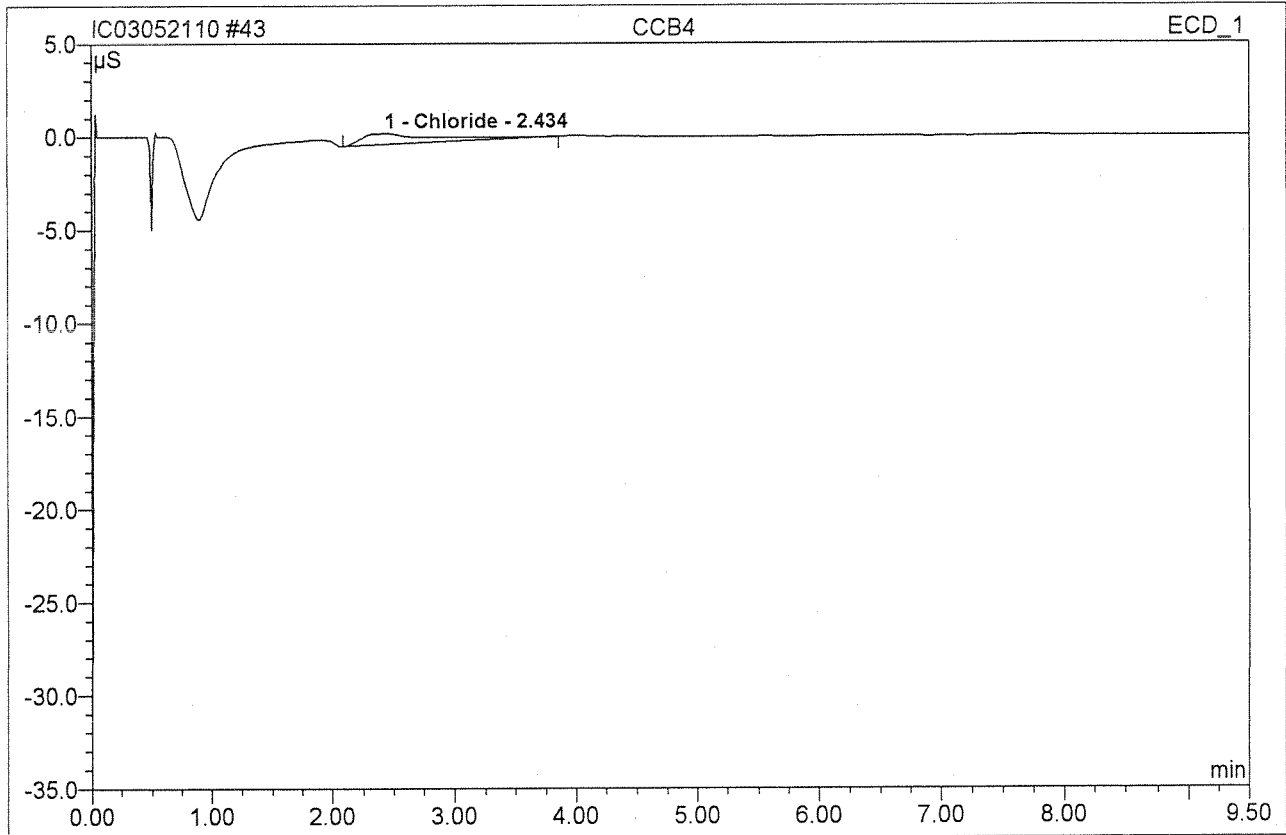


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.65	Fluoride	70.406	9.349	26.07	4.886	BMB
2	2.47	Chloride	66.431	7.696	21.46	4.935	BMb
3	2.97	Nitrite	40.261	5.748	16.03	1.991	bMb
4	3.68	Bromide	6.825	1.040	2.90	1.940	bMB
5	4.30	Nitrate	39.177	7.158	19.96	1.943	BMB
6	7.65	Sulfate	16.265	4.867	13.57	4.946	BMB
<b>Total:</b>			239.366	35.858	100.00	20.641	

Before

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<b>43 CCB4</b>			
<b>CCB4</b>			
Sample Name:	CCB4	Injection Volume:	200.0
Vial Number:	39	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 16:14	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

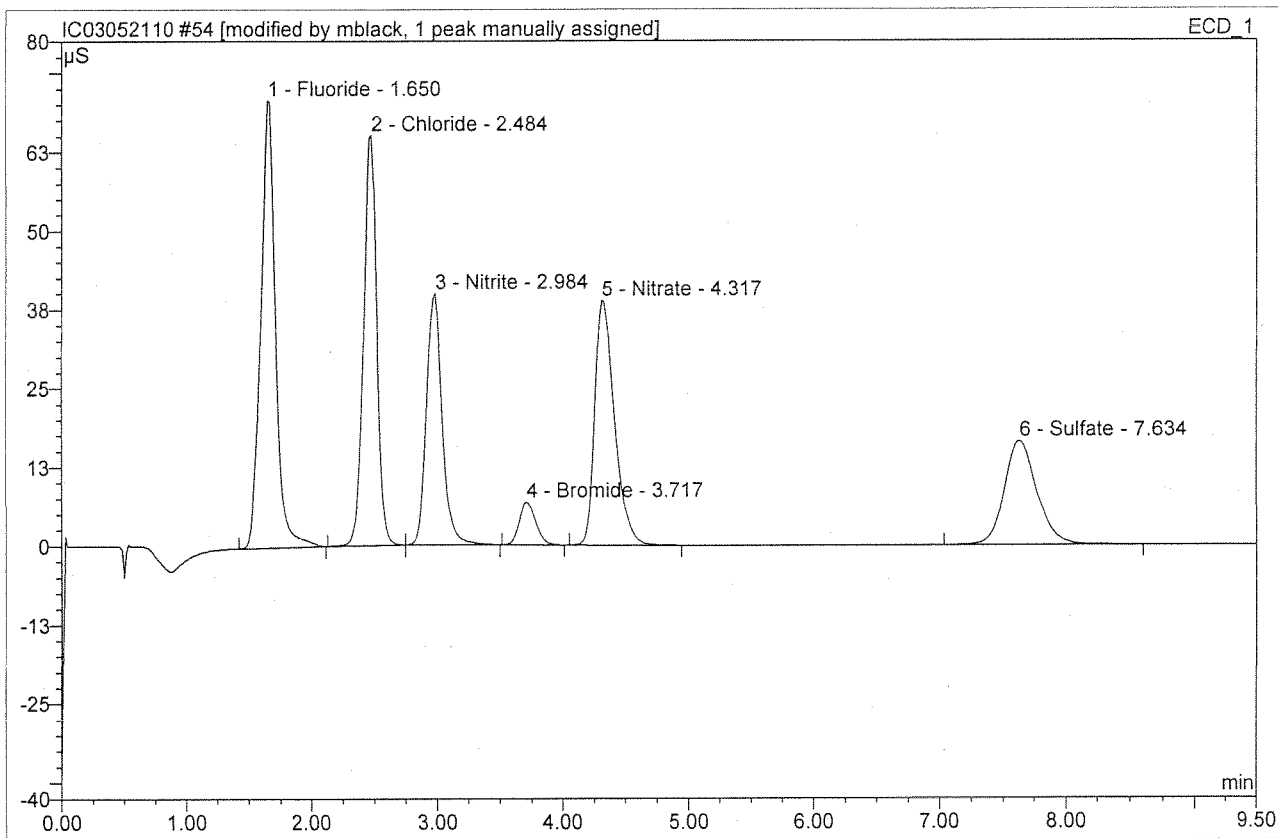


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	2.43	Chloride	0.624	0.437	100.00	0.280	BMB
<b>Total:</b>			0.624	0.437	100.00	0.280	

Before

MAY 21 2010

<b>54 CCV5</b>			
<b>CCV5</b>			
Sample Name:	CCV5	Injection Volume:	200.0
Vial Number:	50	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 18:26	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.65	Fluoride	70.956	9.622	26.55	5.029104?	BMB*
2	2.48	Chloride	65.105	7.761	21.41	4.977100?	BMB
3	2.98	Nitrite	39.796	5.780	15.95	2.002100?	bMB
4	3.72	Bromide	6.786	1.030	2.84	1.92276?	BMB
5	4.32	Nitrate	38.779	7.126	19.66	1.93477?	BMB^
6	7.63	Sulfate	16.462	4.926	13.59	5.005100?	BMB
<b>Total:</b>			237.884	36.244	100.00	20.869	

After Update

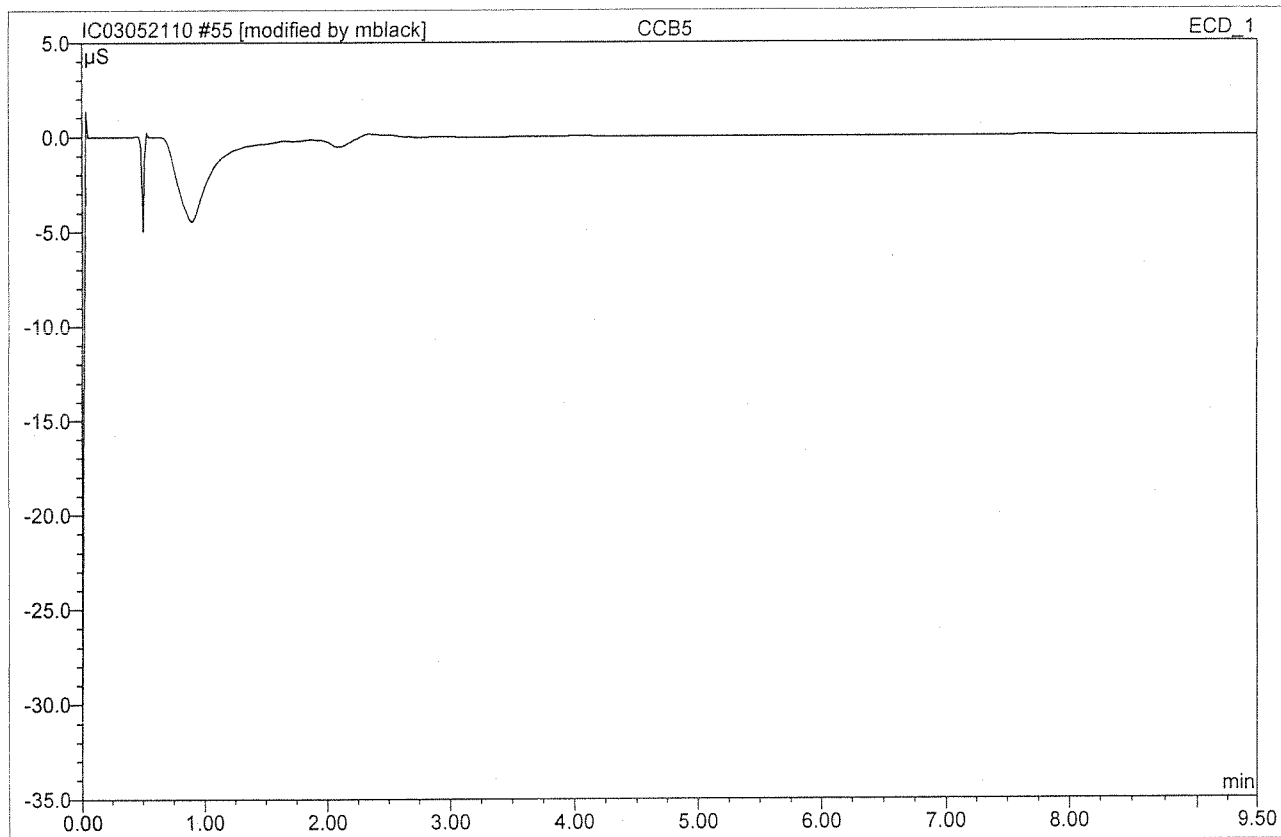
MB

5/25/10

MAY 24 2010



<b>55 CCB5</b>			
<b>CCB5</b>			
Sample Name:	CCB5	Injection Volume:	200.0
Vial Number:	51	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 18:37	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



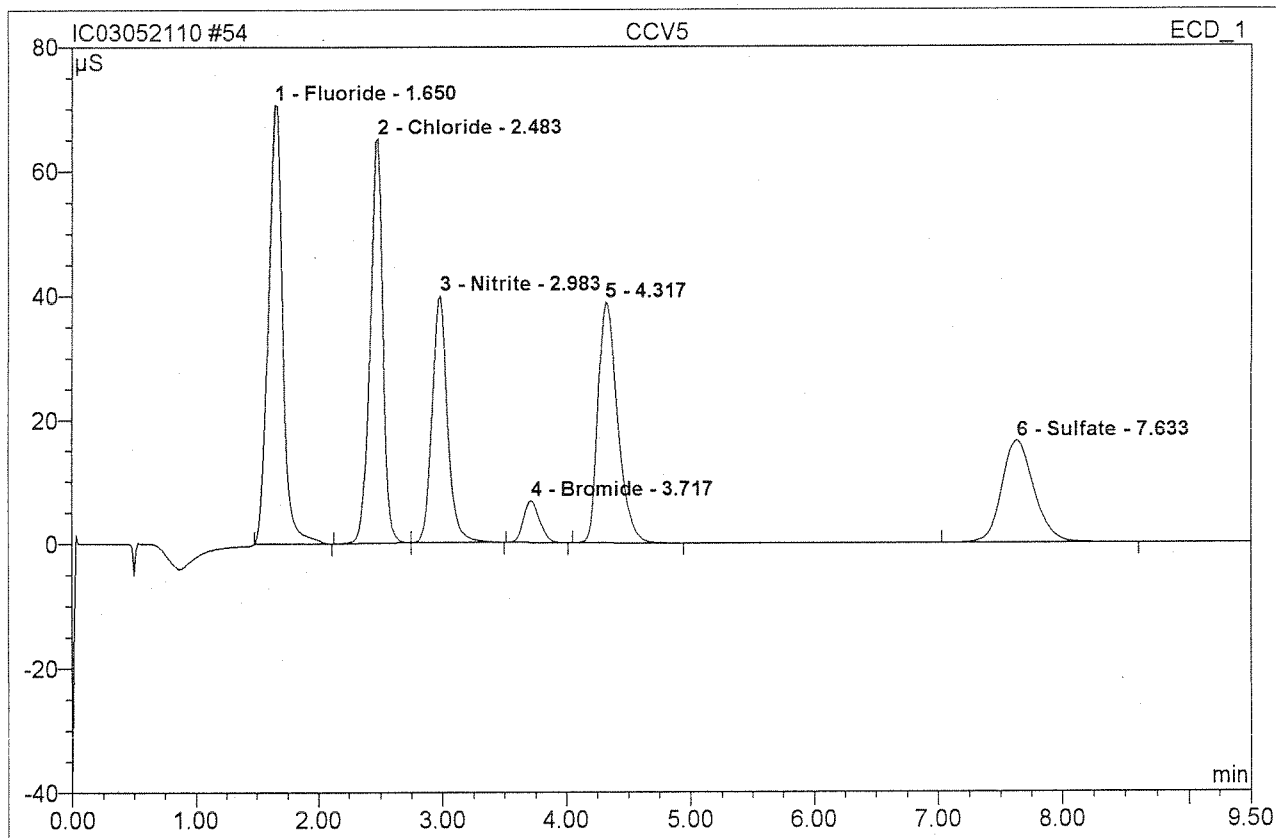
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
<b>Total:</b>			0.000	0.000	0.00	0.000	

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MAY 24 2010

**54 CCV5****CCV5**

Sample Name:	CCV5	Injection Volume:	200.0
Vial Number:	50	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 18:26	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

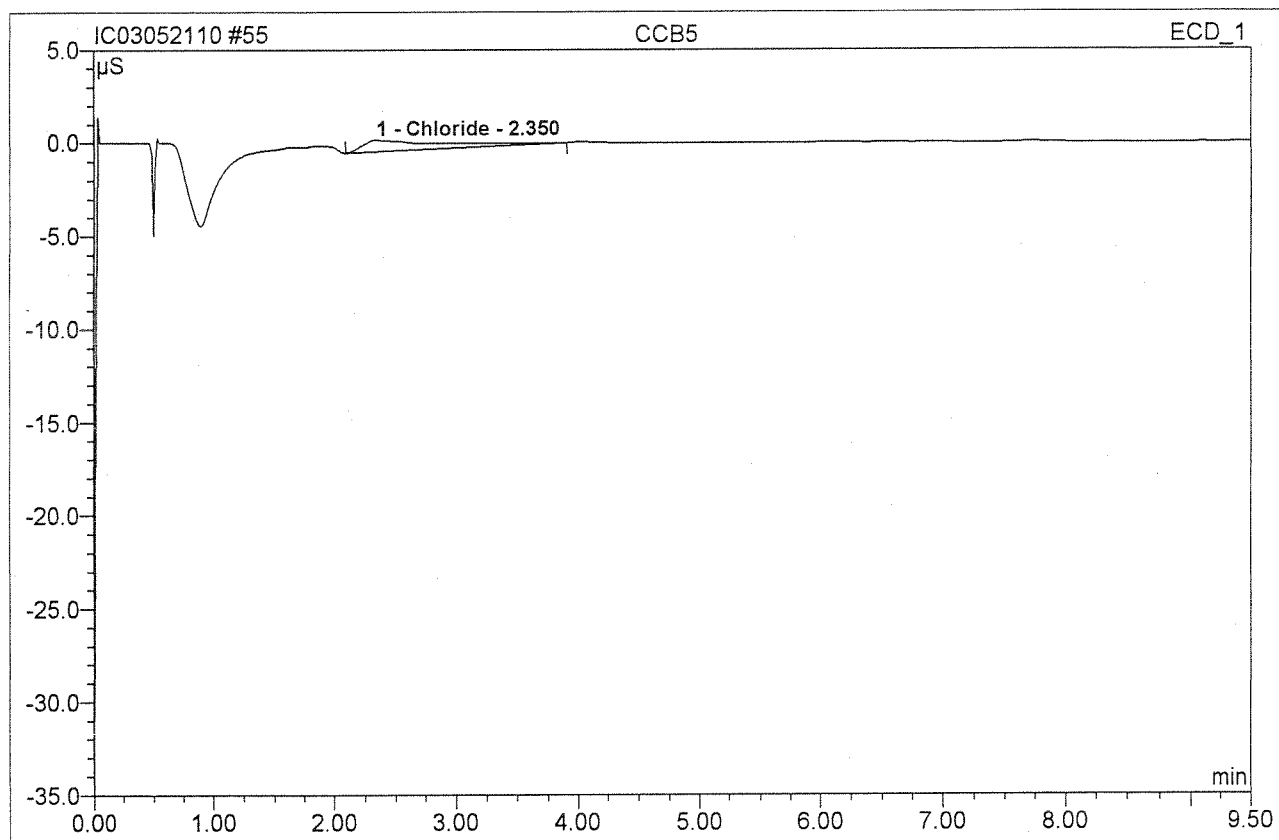


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.65	Fluoride	70.664	9.490	26.28	4.960	BMB
2	2.48	Chloride	65.105	7.761	21.49	4.977	BMb
3	2.98	Nitrite	39.796	5.780	16.00	2.002	bMB
4	3.72	Bromide	6.786	1.030	2.85	1.922	BMB
5	4.32	n.a.	38.779	7.126	19.73	n.a.	BMB
6	7.63	Sulfate	16.462	4.926	13.64	5.005	BMB
<b>Total:</b>			237.592	36.113	100.00	18.866	

Before

MAY 24 2010

<b>55 CCB5</b>			
<b>CCB5</b>			
Sample Name:	CCB5	Injection Volume:	200.0
Vial Number:	51	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 18:37	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000

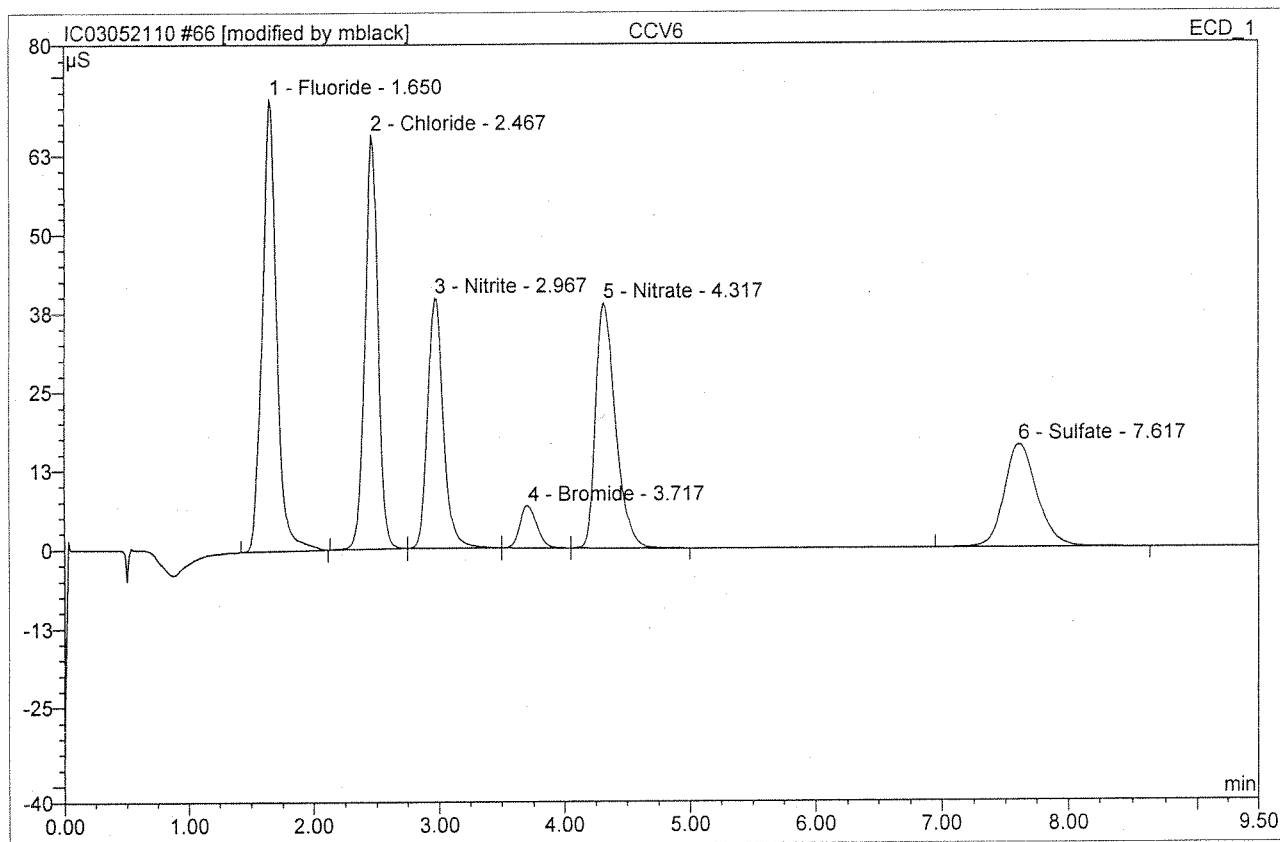


No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	2.35	Chloride	0.617	0.443	100.00	0.284	BMB
<b>Total:</b>			0.617	0.443	100.00	0.284	

Before

MAY 24 2010

<b>66 CCV6</b>			
<b>CCV6</b>			
Sample Name:	CCV6	Injection Volume:	200.0
Vial Number:	62	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 20:49	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



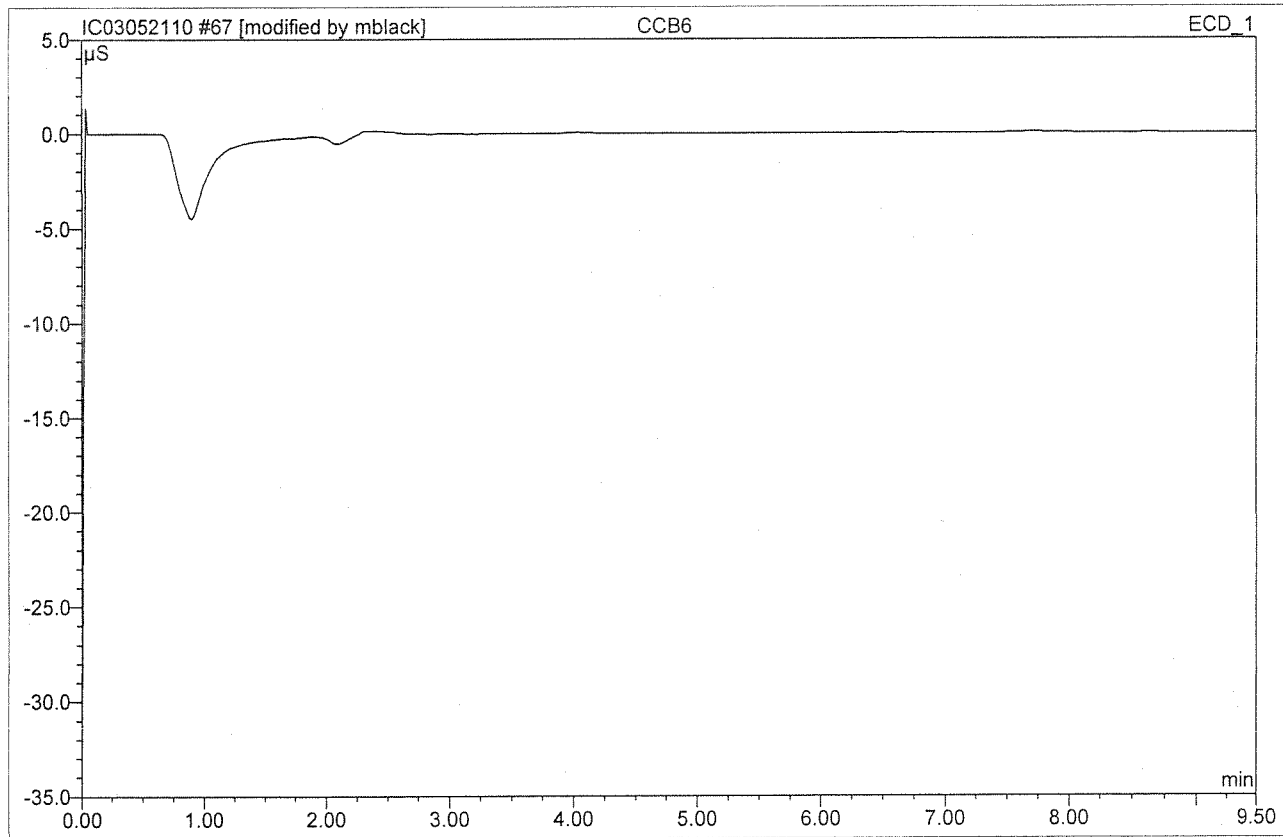
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.65	Fluoride	71.817	9.600	26.47	5.017100%	BMB*
2	2.47	Chloride	65.706	7.784	21.46	4.992100%	BMB
3	2.97	Nitrite	39.678	5.772	15.91	1.999100%	bMB
4	3.72	Bromide	6.735	1.040	2.87	1.94177%	bMB
5	4.32	Nitrate	38.923	7.189	19.82	1.95178%	bMB
6	7.62	Sulfate	16.328	4.884	13.47	4.96399%	BMB
<b>Total:</b>			239.189	36.268	100.00	20.863	

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MAY 24 2010

<b>67 CCB6</b>			
<b>CCB6</b>			
Sample Name:	CCB6	Injection Volume:	200.0
Vial Number:	63	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 21:01	Sample Weight:	1.0000
Run Time (min):	9.50	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	

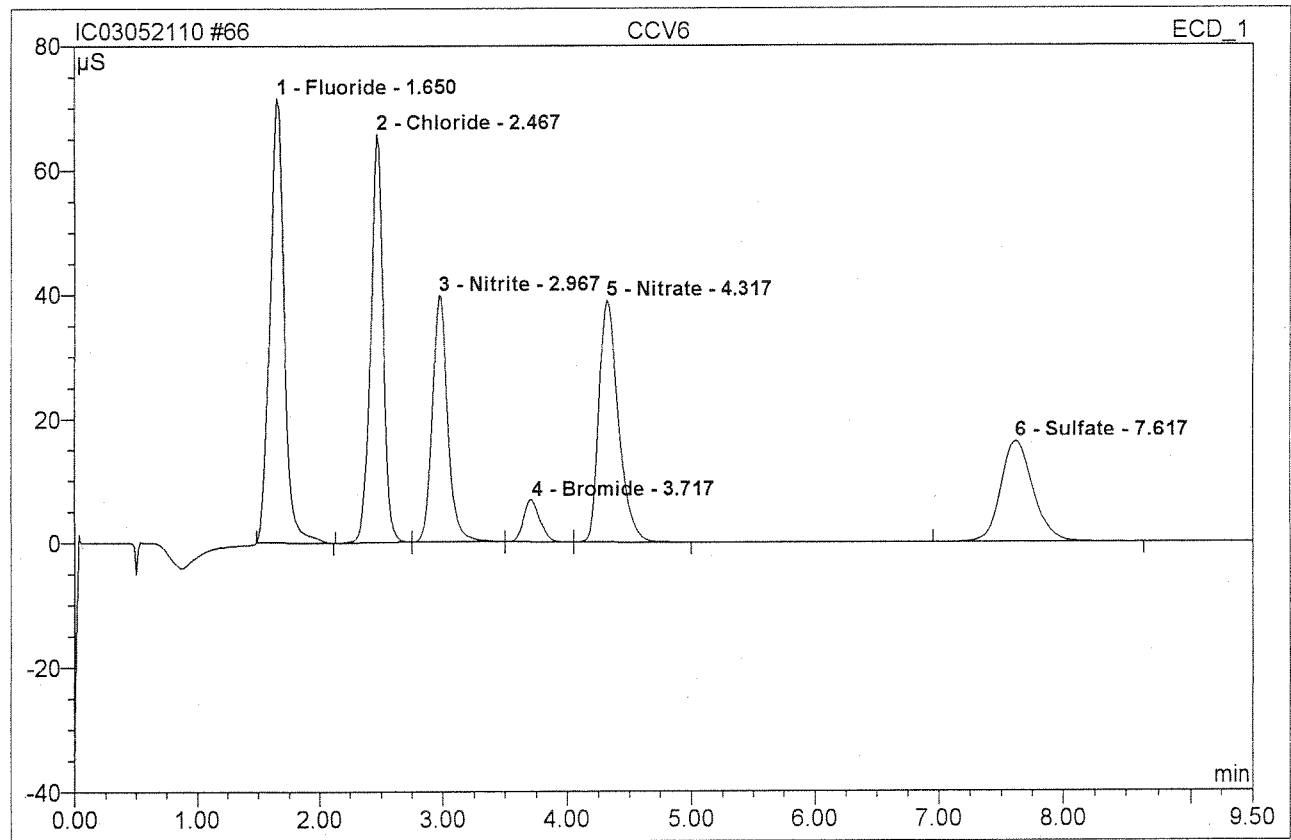
MS

MS

5/25/10

MAY 24 2010

<b>66 CCV6</b>			
<b>CCV6</b>			
Sample Name:	CCV6	Injection Volume:	200.0
Vial Number:	62	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 20:49	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



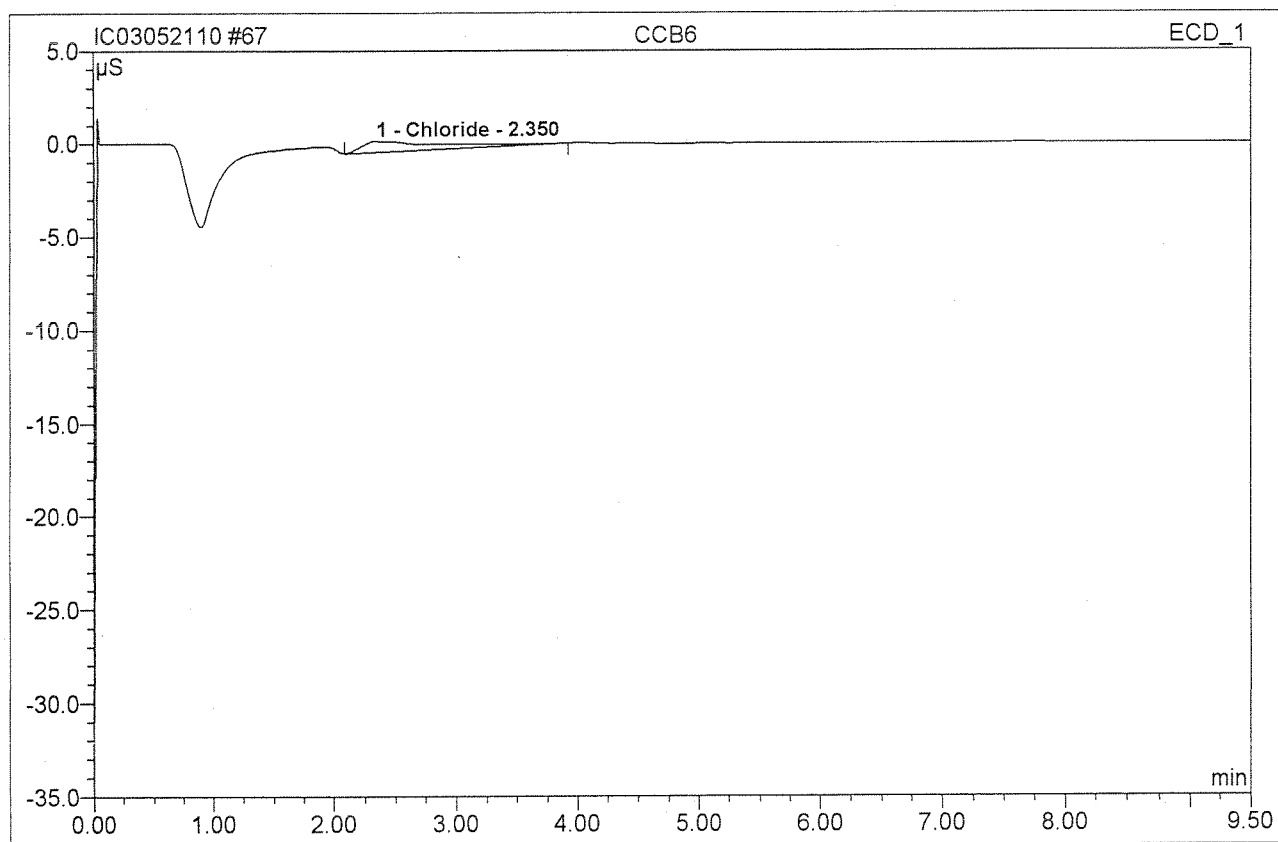
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.65	Fluoride	71.479	9.447	26.16	4.937	BMB
2	2.47	Chloride	65.706	7.784	21.55	4.992	BMb
3	2.97	Nitrite	39.678	5.772	15.98	1.999	bMb
4	3.72	Bromide	6.735	1.040	2.88	1.941	bMb
5	4.32	Nitrate	38.923	7.189	19.90	1.951	bMB
6	7.62	Sulfate	16.328	4.884	13.52	4.963	BMB
<b>Total:</b>			238.850	36.116	100.00	20.783	

Before

MAY 24 2010

**67 CCB6****CCB6**

Sample Name:	CCB6	Injection Volume:	200.0
Vial Number:	63	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	5/21/2010 21:01	Sample Weight:	1.0000
Run Time (min):	9.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	2.35	Chloride	0.601	0.436	100.00	0.280	BMB
<b>Total:</b>			0.601	0.436	100.00	0.280	

Before

MAY 24 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Ion Chromatography Calibration Data

Sequence: IC03042610

Date: 04/26/10

Anion	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Corr.Coeff.	Slope
F	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9846	1.9134
Cl	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9661	1.5595
NO2	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9925	2.8873
Br	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9591	0.5358
NO3	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9043	3.6839
SO4	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9690	0.9841

All calibration standard concentrations are in mg/L unless otherwise noted.  
Zero point forced through zero.

*6/11/10*



COLUMBIA ANALYTICAL SERVICES, INC.

**Ion Chromatography Calibration Data**

Sequence: IC03042610

Date: 04/26/10

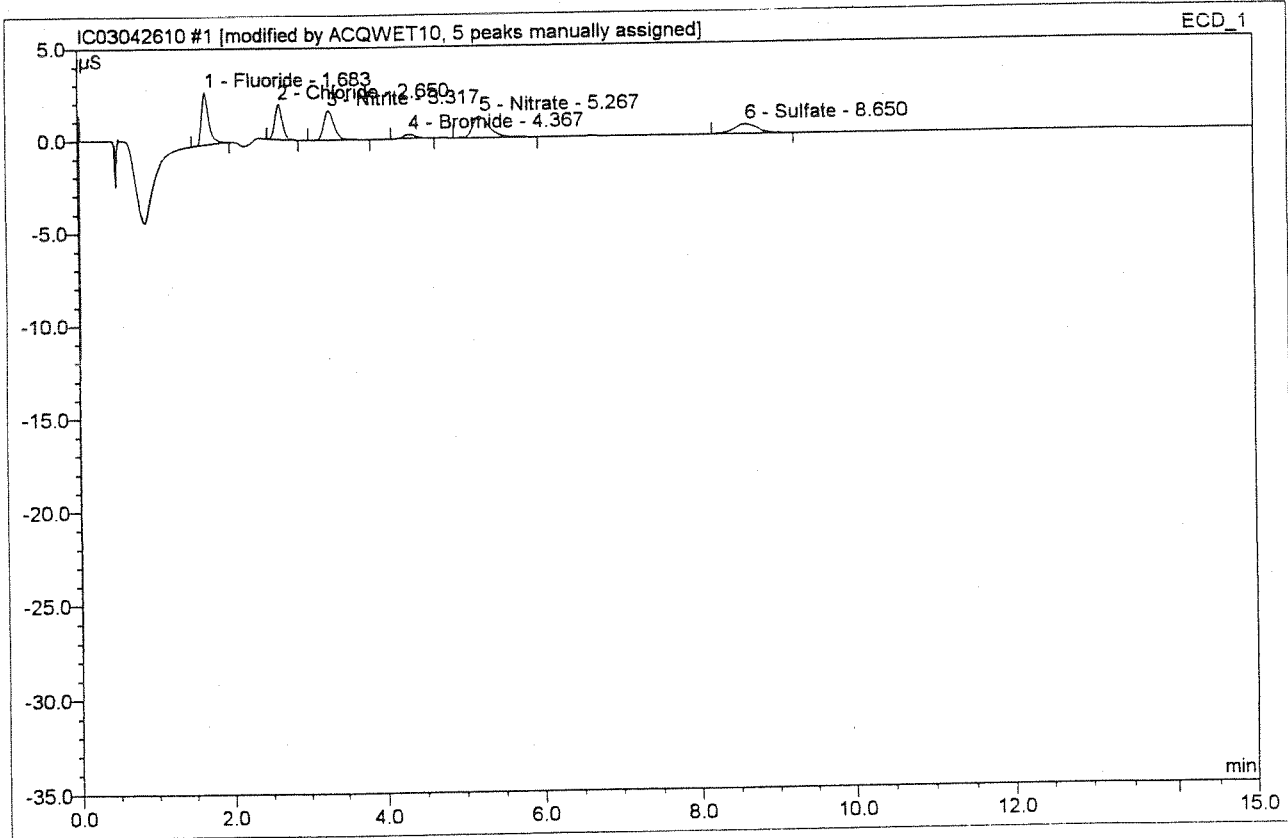
Anion	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Corr.Coeff.	Slope
F	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9846	1.9134
Cl	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9661	1.5595
NO2	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9925	2.8873
Br	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9591	0.5358
NO3	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9043	3.6839
SO4	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9690	0.9841

All calibration standard concentrations are in mg/L unless otherwise noted.  
Zero point forced through zero.

6/24/10

**1 std2/lvl2**

Sample Name:	std2/lvl2	Injection Volume:	200.0
Vial Number:	1	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 8:54	Sample Weight:	1.0000
Run Time (min):	15.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.68	Fluoride	2.860	0.324	24.73	0.169	BMB*
2	2.65	Chloride	1.892	0.229	17.47	0.147	BMB^
3	3.32	Nitrite	1.586	0.259	19.78	0.090	BMB^
4	4.37	Bromide	0.244	0.043	3.25	0.080	BMB**
5	5.27	Nitrate	1.144	0.279	21.26	0.076	BMB^
6	8.65	Sulfate	0.507	0.177	13.51	0.180	BMB^
<b>Total:</b>			8.233	1.311	100.00	0.742	

MR

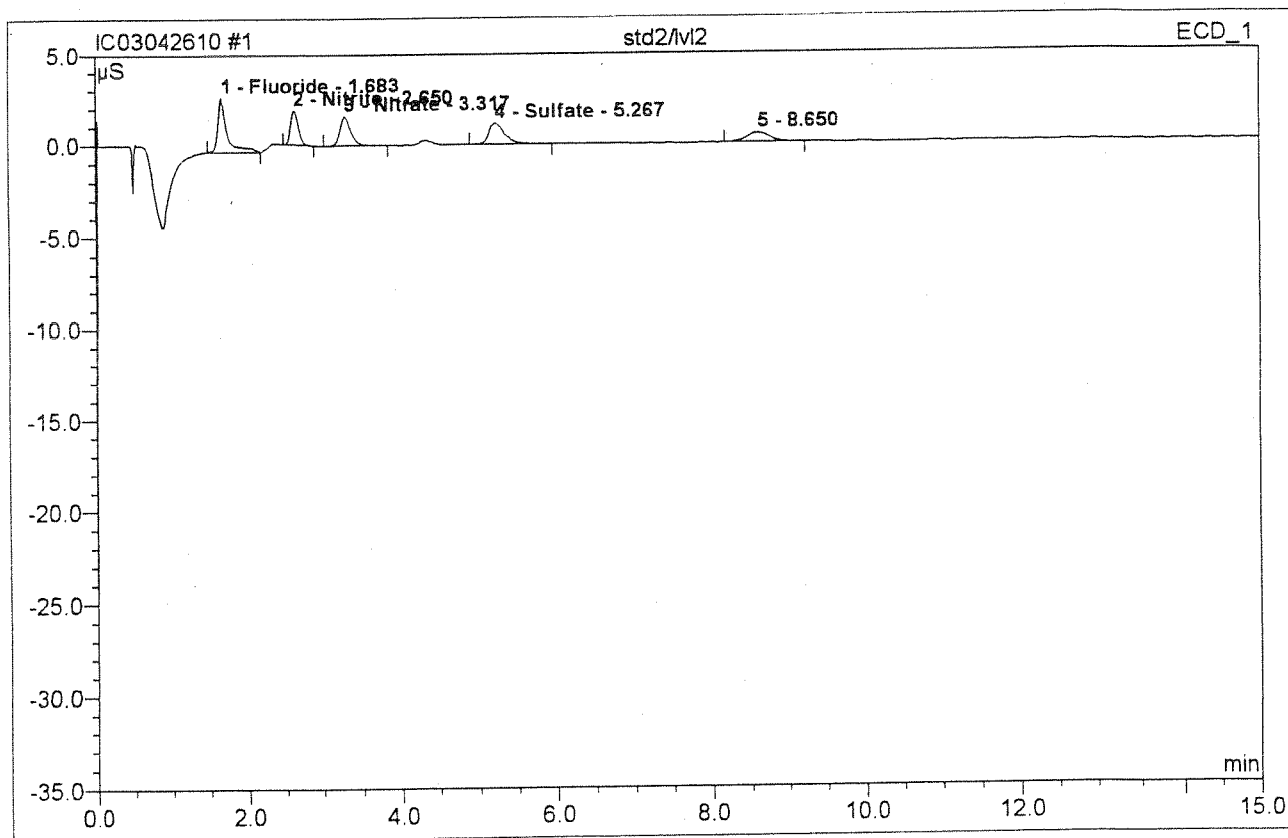
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Version 6.50 SP1 Build 956

default/Integration

<b>1 std2/lvl2</b>			
Sample Name:	std2/lvl2	Injection Volume:	200.0
Vial Number:	1	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 8:54	Sample Weight:	1.0000
Run Time (min):	15.00	Sample Amount:	1.0000



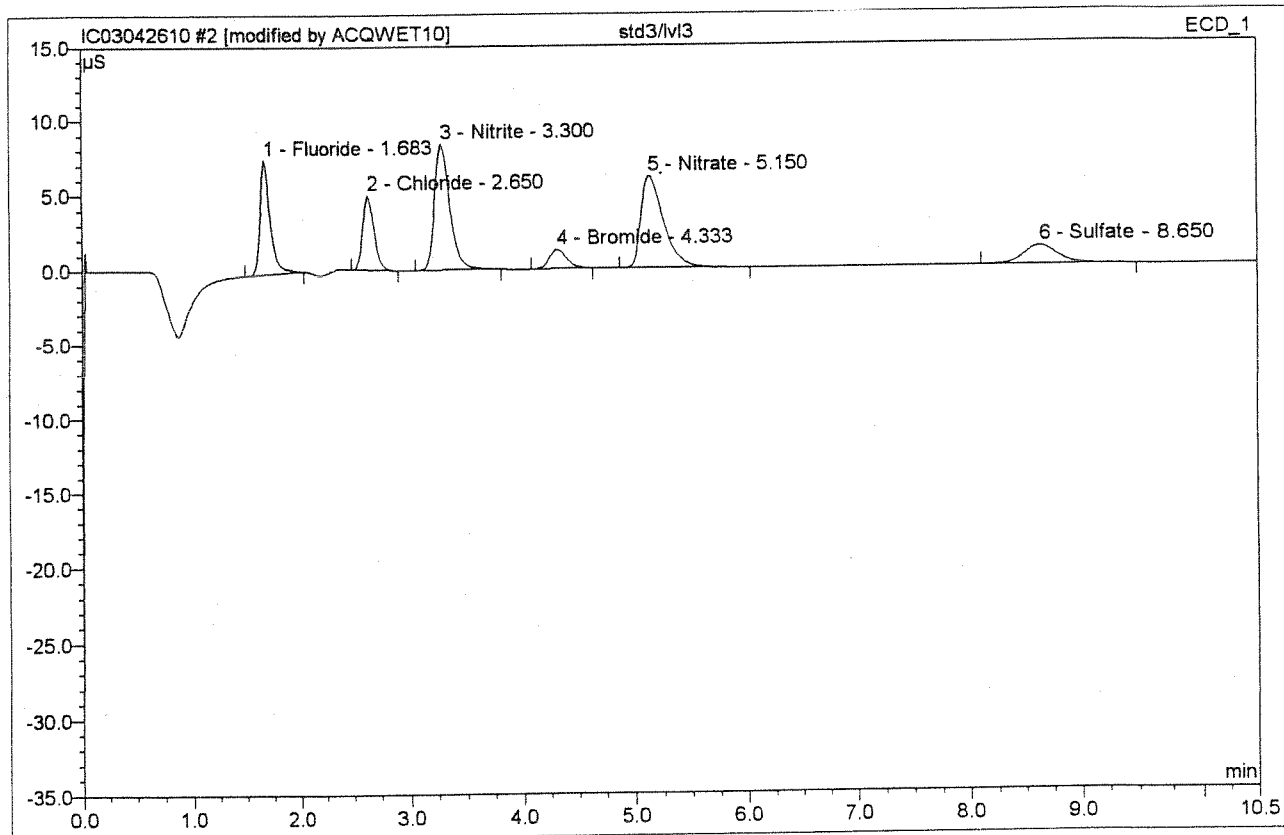
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.68	Fluoride	2.953	0.421	30.83	0.200	BMB
2	2.65	Nitrite	1.892	0.229	16.78	0.100	BMB
3	3.32	Nitrate	1.586	0.259	19.00	0.100	BMB
4	5.27	Sulfate	1.144	0.279	20.42	0.200	BMB
5	8.65	n.a.	0.507	0.177	12.97	n.a.	BMB
<b>Total:</b>			8.081	1.366	100.00	0.600	

Before

APR 26 2010

**2 std3/lv13**

Sample Name:	std3/lv13	Injection Volume:	200.0
Vial Number:	2	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 9:12	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000

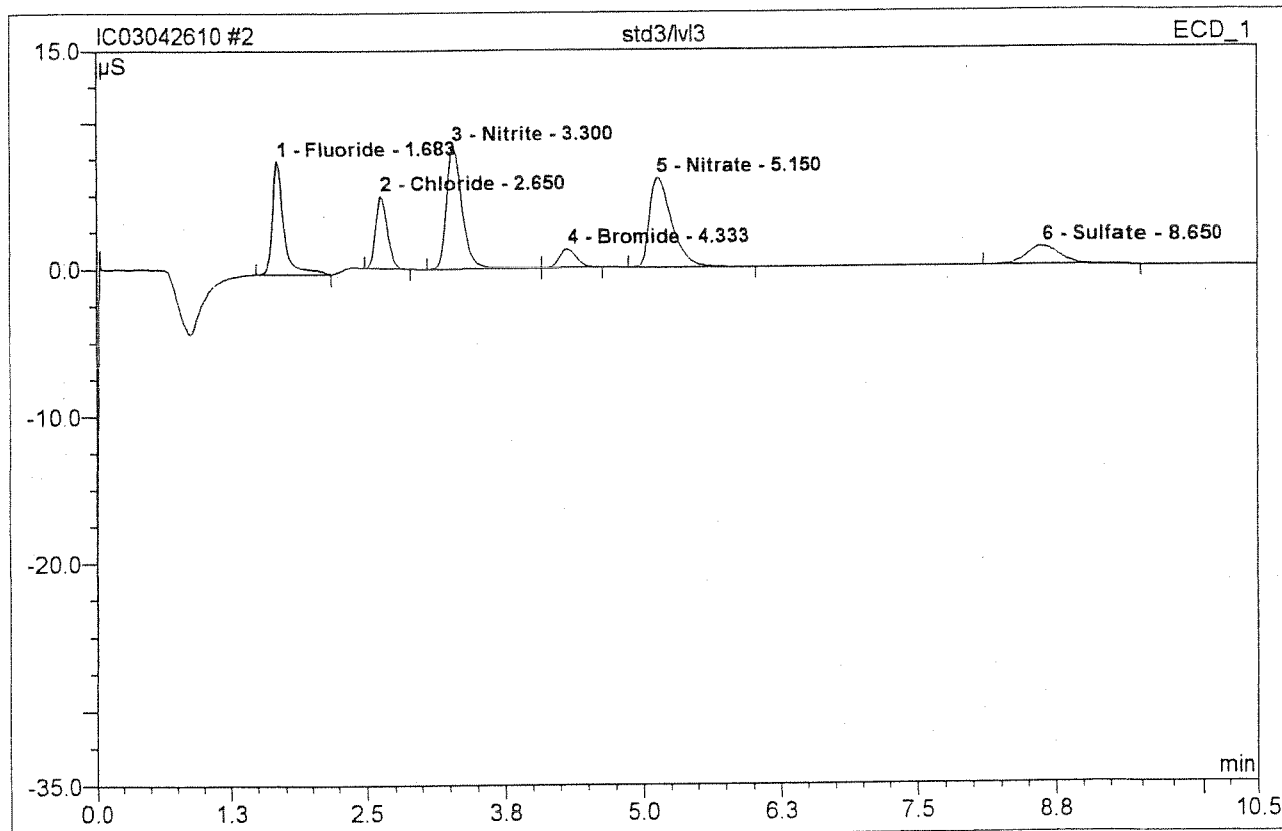


No.	Ret. Time min	Peak Name	Height $\mu$ S	Area $\mu$ S*min	Rel.Area %	Amount	Type
1	1.68	Fluoride	7.622	0.844	17.37	0.441	BMB*
2	2.65	Chloride	4.937	0.589	12.12	0.378	BMB
3	3.30	Nitrite	8.365	1.329	27.34	0.460	BMB*
4	4.33	Bromide	1.271	0.229	4.72	0.428	BMB*
5	5.15	Nitrate	6.087	1.425	29.30	0.387	BMB
6	8.65	Sulfate	1.253	0.445	9.16	0.452	BMB
<b>Total:</b>			29.536	4.862	100.00	2.547	

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<b>2 std3/lvl3</b>			
Sample Name:	std3/lvl3	Injection Volume:	200.0
Vial Number:	2	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 9:12	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	1.68	Fluoride	7.720	0.949	19.04	0.510	BMB
2	2.65	Chloride	4.937	0.589	11.82	0.502	BMB
3	3.30	Nitrite	8.377	1.347	27.02	0.501	BMB
4	4.33	Bromide	1.271	0.229	4.60	0.501	bMB
5	5.15	Nitrate	6.087	1.425	28.59	0.500	BMB
6	8.65	Sulfate	1.253	0.445	8.93	0.500	BMB
<b>Total:</b>			29.644	4.984	100.00	3.015	

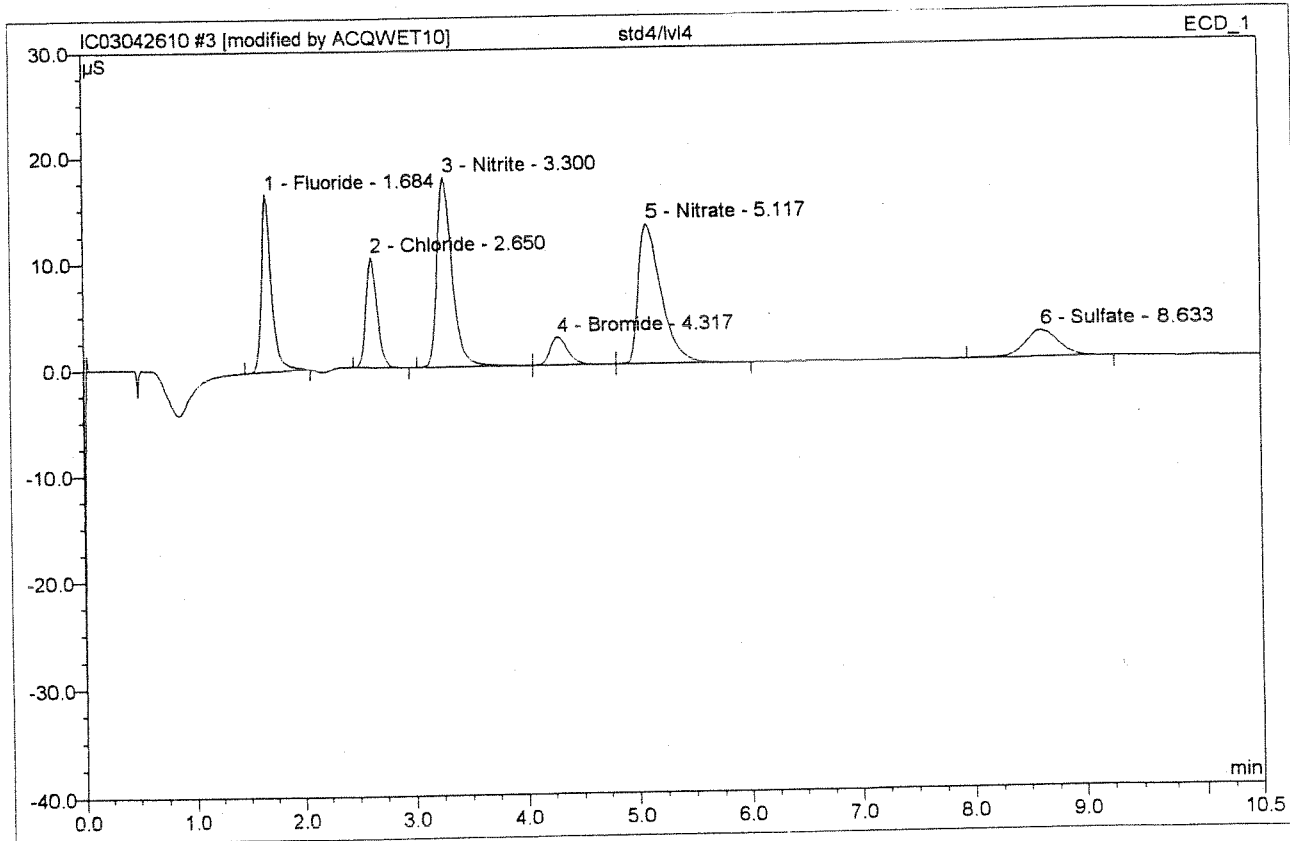
Before

APR 26 2010

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Version 6.50 SP1 Build 956

**3 std4/lvl4**

Sample Name:	std4/lvl4	Injection Volume:	200.0
Vial Number:	3	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 9:25	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



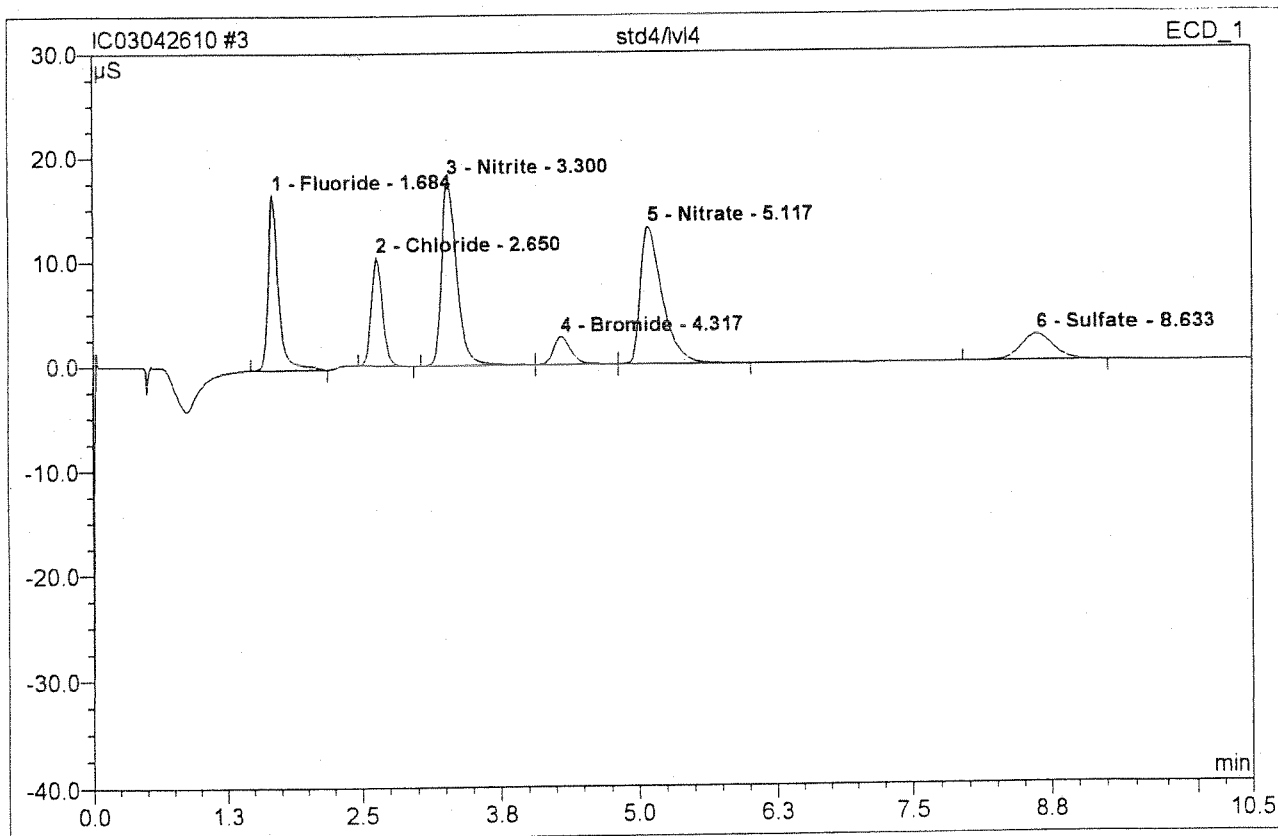
No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.68	Fluoride	16.676	1.811	17.64	0.947	BMB*
2	2.65	Chloride	10.365	1.223	11.91	0.784	BMB
3	3.30	Nitrite	17.874	2.814	27.40	0.975	BMB
4	4.32	Bromide	2.661	0.487	4.74	0.908	bMB
5	5.12	Nitrate	13.149	3.046	29.66	0.827	bMB
6	8.63	Sulfate	2.522	0.888	8.65	0.903	BMB
<b>Total:</b>			63.248	10.270	100.00	5.343	

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<b>3 std4/lvl4</b>			
Sample Name:	std4/lvl4	Injection Volume:	200.0
Vial Number:	3	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 9:25	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	1.68	Fluoride	16.774	1.915	18.46	1.007	BMB
2	2.65	Chloride	10.365	1.223	11.79	1.009	BMB
3	3.30	Nitrite	17.874	2.814	27.13	1.009	BMb
4	4.32	Bromide	2.661	0.487	4.69	1.012	bMb
5	5.12	Nitrate	13.149	3.046	29.36	1.014	bMB
6	8.63	Sulfate	2.522	0.888	8.56	1.000	BMB
<b>Total:</b>			63.346	10.374	100.00	6.051	

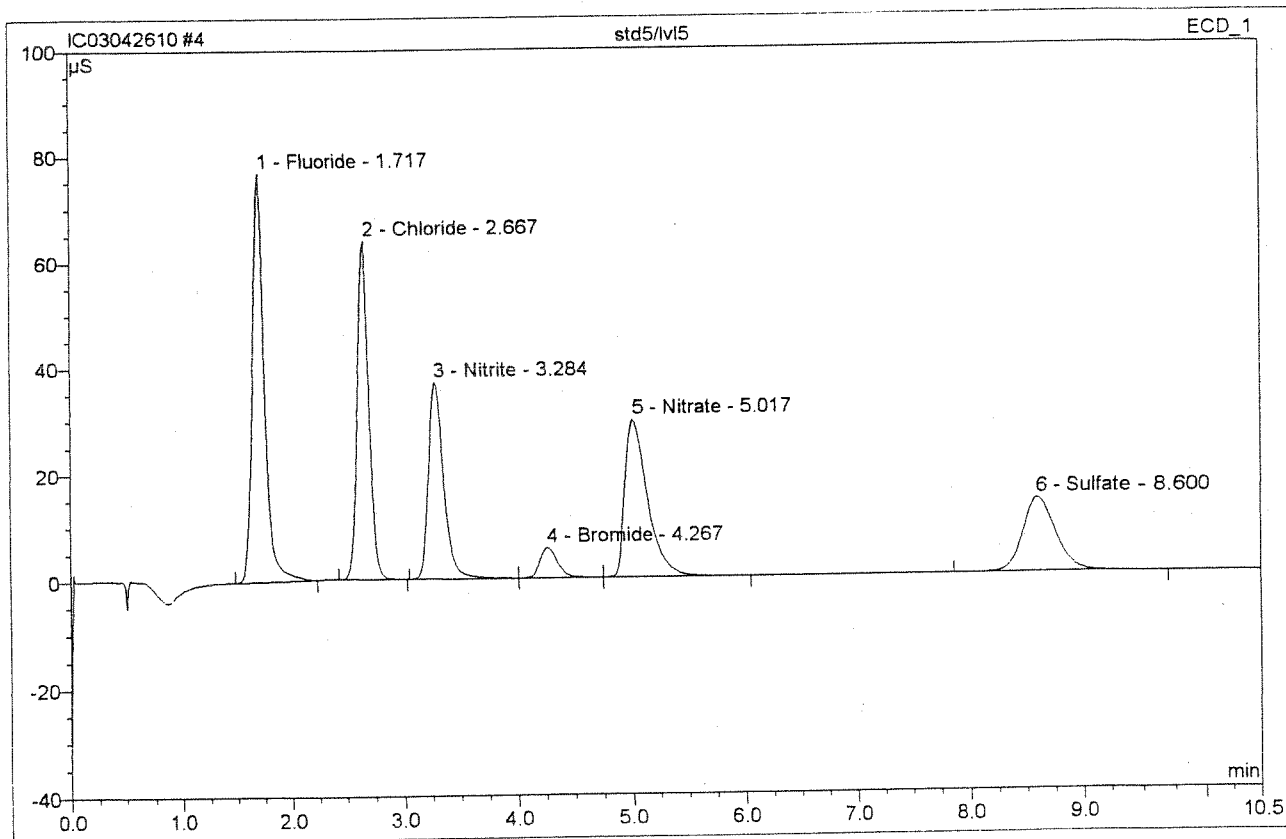
Before

APR 26 2010

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Version 6.50 SP1 Build 956

default/Integration

<b>4 std5/lvl5</b>			
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



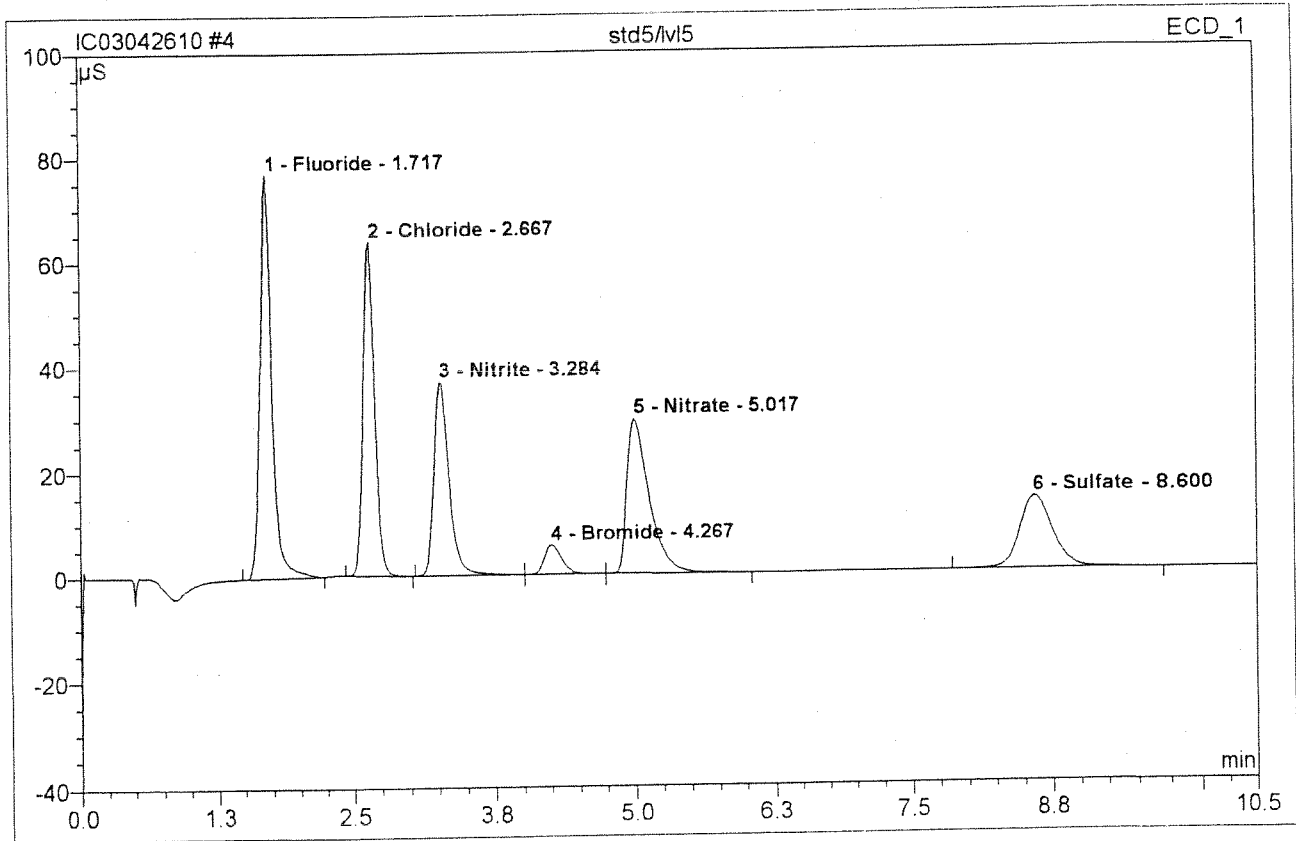
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.72	Fluoride	76.994	9.731	27.38	5.086	BMB
2	2.67	Chloride	63.721	7.472	21.02	4.791	BMB
3	3.28	Nitrite	36.986	5.862	16.49	2.030	BMb
4	4.27	Bromide	5.677	1.007	2.83	1.879	bMb
5	5.02	Nitrate	29.541	6.754	19.00	1.833	bMB
6	8.60	Sulfate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

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<b>4 std5/lvl5</b>			
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
<b>Total:</b>			226.803	35.544	100.00	21.166	

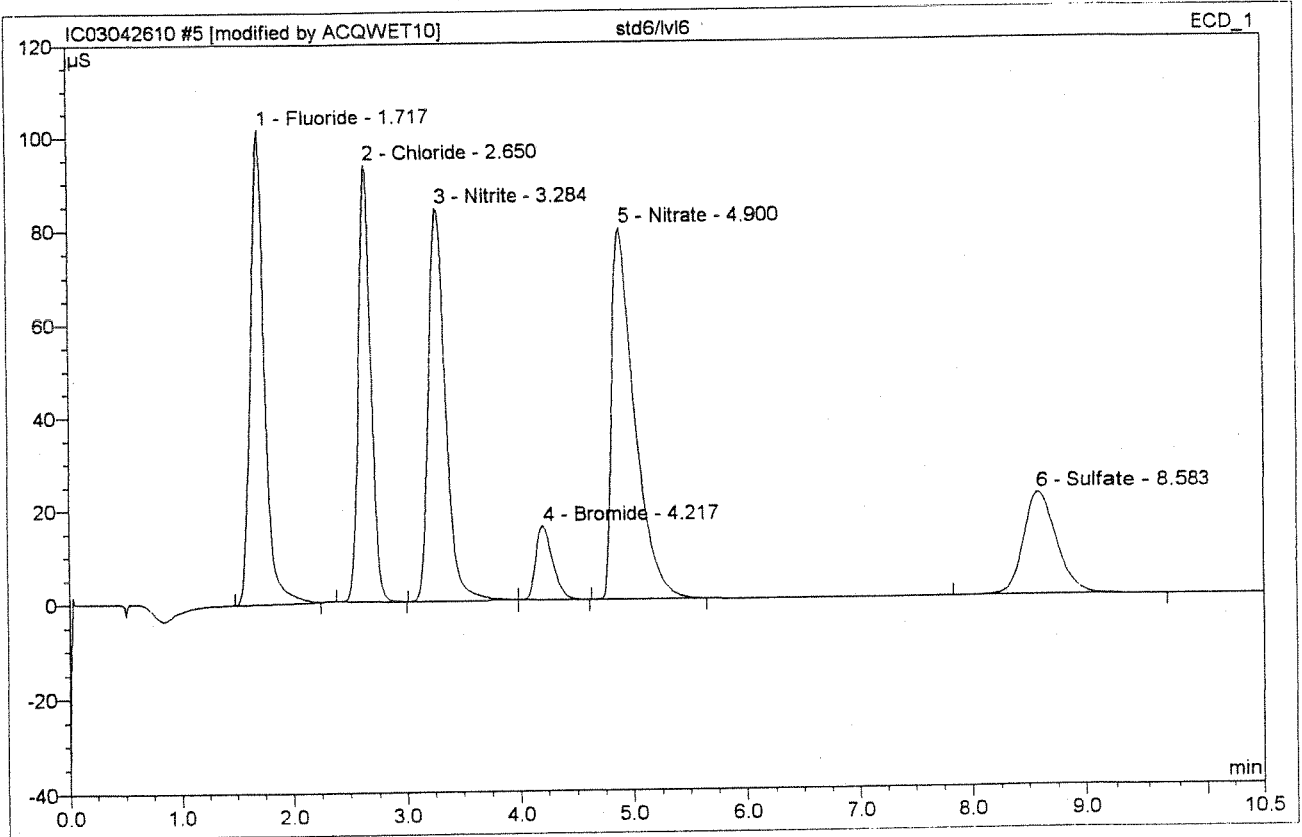
Before

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Version 6.50 SP1 Build 956

default/integration

<b>5 std6/lvl6</b>			
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
<b>Total:</b>			396.475	69.412	100.00	37.650	

default/Integration

*MB*

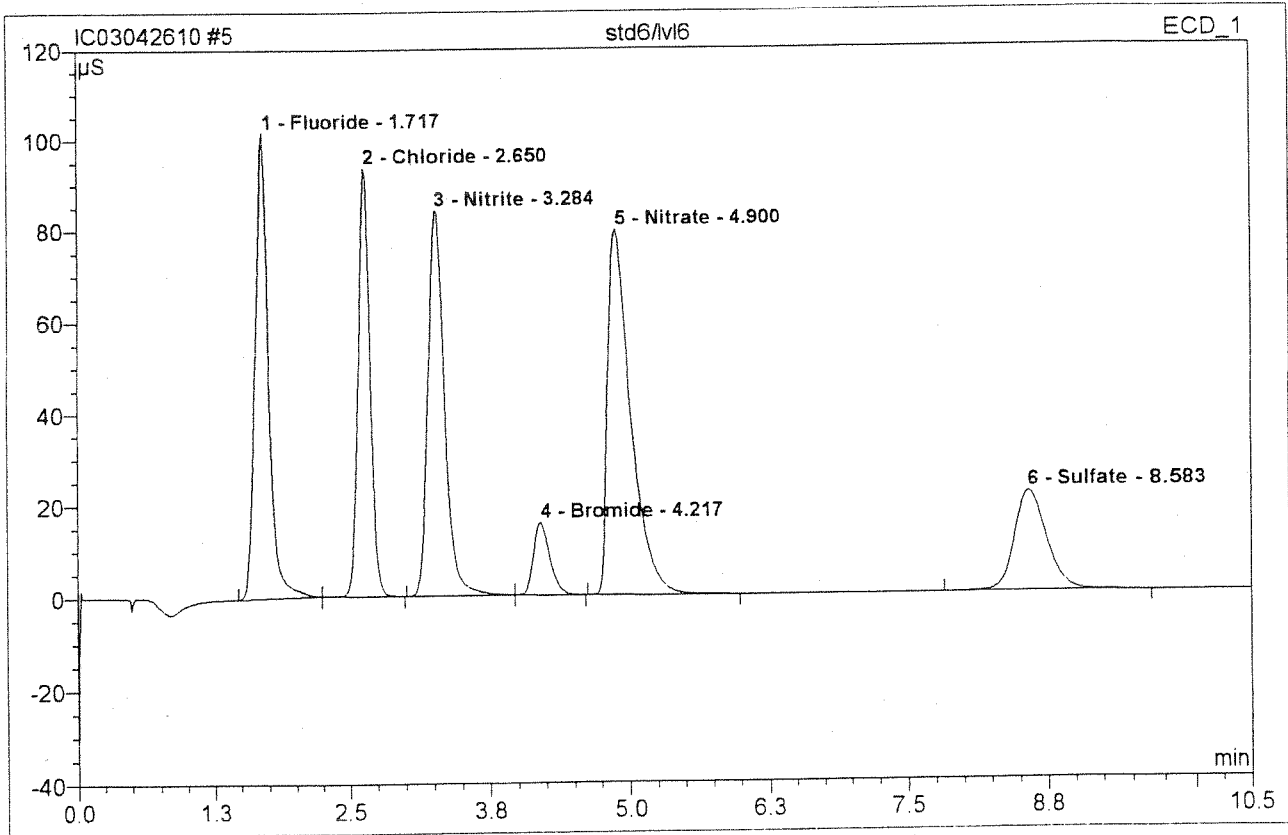
APR 26 2010

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Version 6.50 SP1 Build 956

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<b>5 std6/lv16</b>			
Sample Name:	std6/lv16	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	20.85	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
<b>Total:</b>			396.568	69.512	100.00	37.876	

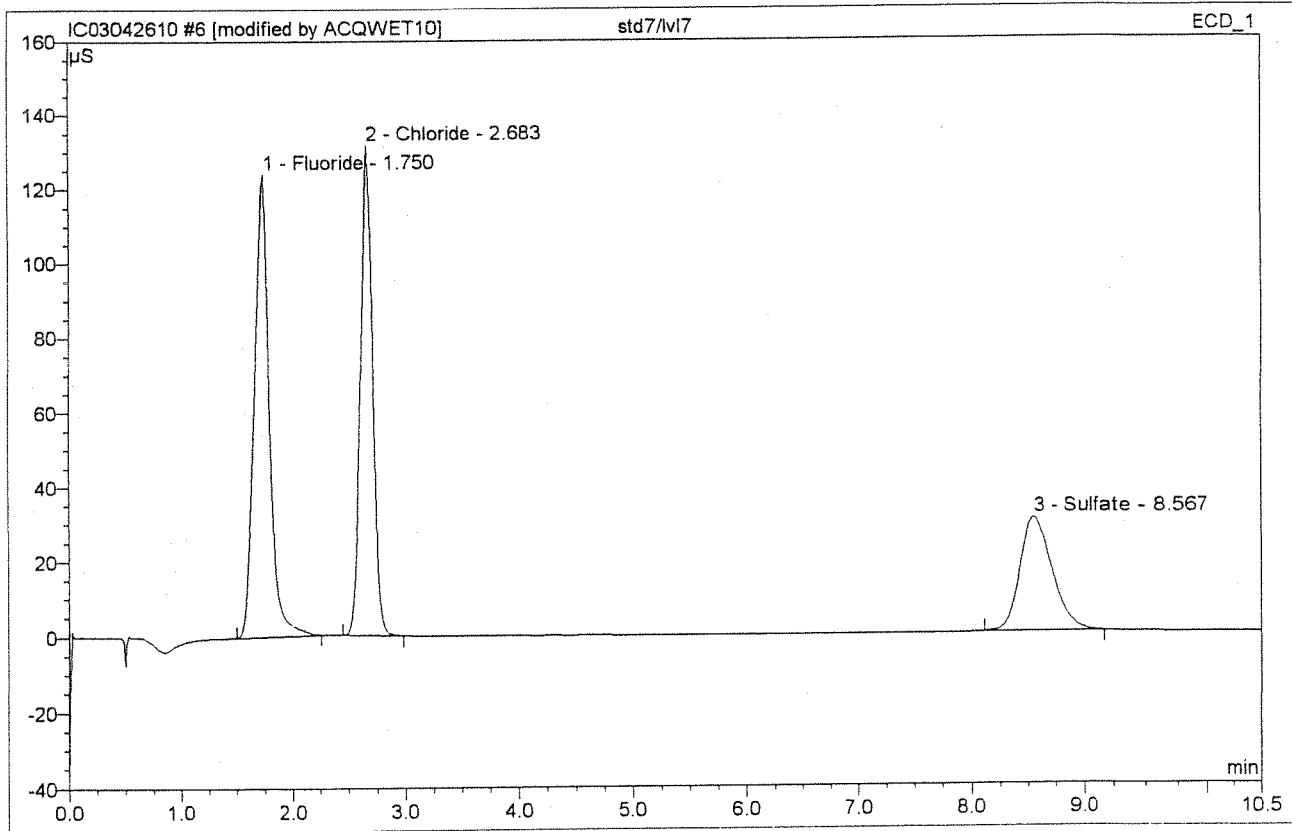
Before

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Version 6.50 SP1 Build 956

default/Integration

<b>6 std7/lv17</b>			
Sample Name:	std7/lv17	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



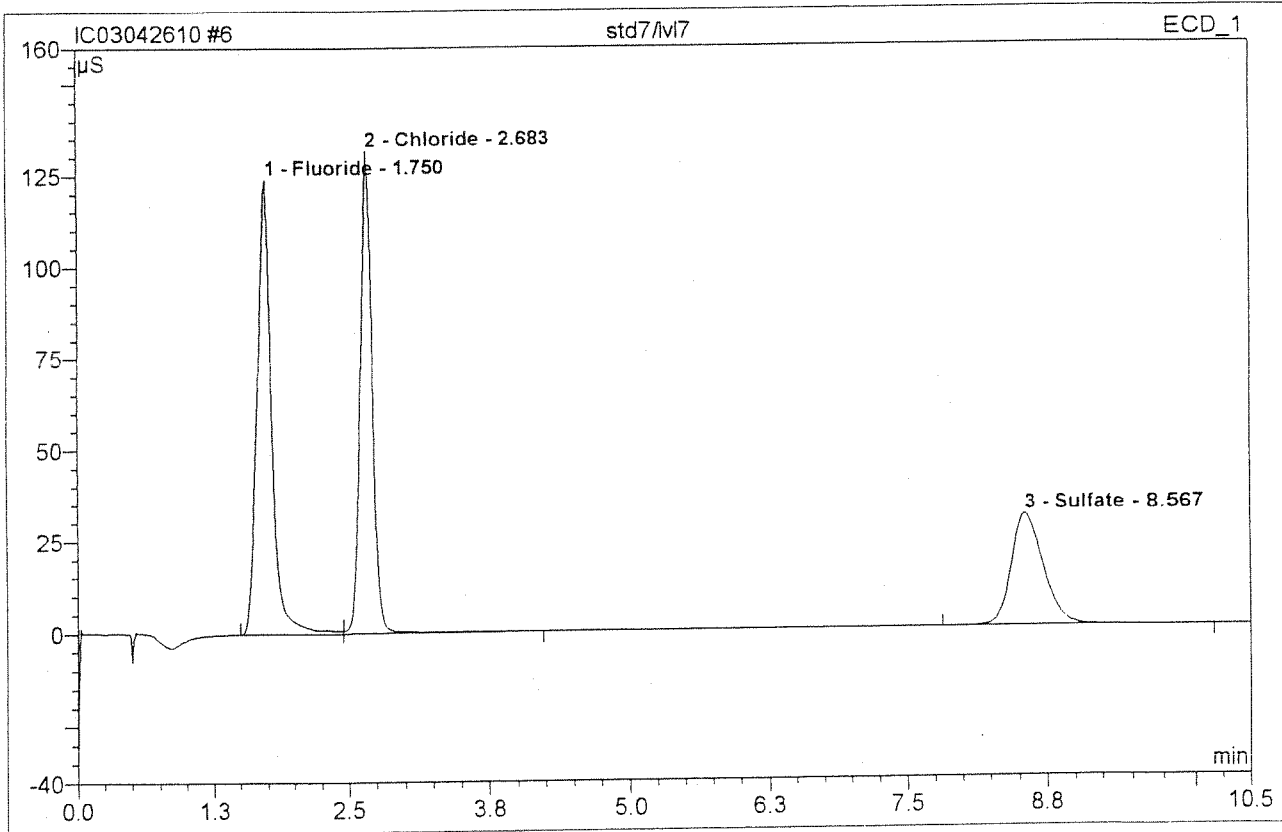
No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.75	Fluoride	123.905	18.962	42.30	9.910	BMB*
2	2.68	Chloride	131.265	15.874	35.41	10.179	BMB*
3	8.57	Sulfate	30.278	9.990	22.29	10.151	BMB*
<b>Total:</b>			285.448	44.826	100.00	30.240	

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5-10577

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<b>6 std7/lvl7</b>			
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

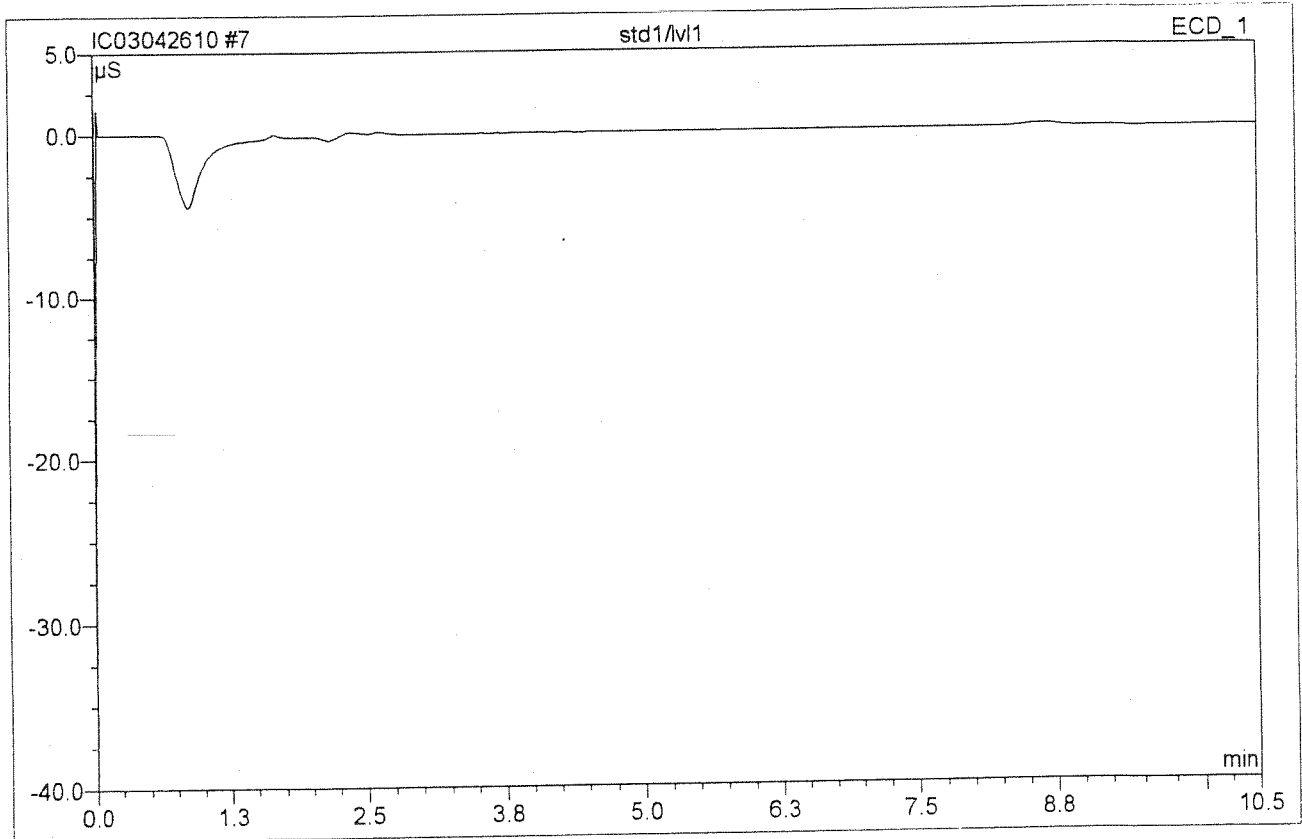


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.75	Fluoride	124.185	19.437	42.28	10.022	BM
2	2.68	Chloride	131.836	16.307	35.47	10.300	MB
3	8.57	Sulfate	30.454	10.233	22.26	10.259	BMB
<b>Total:</b>			286.475	45.977	100.00	30.581	

Before

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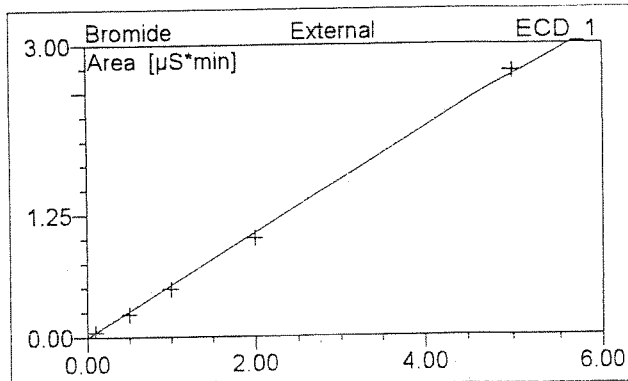
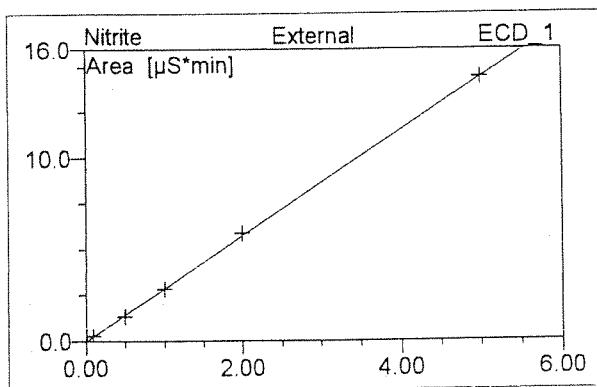
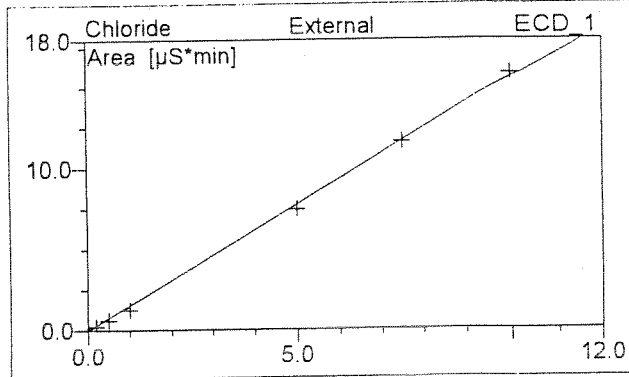
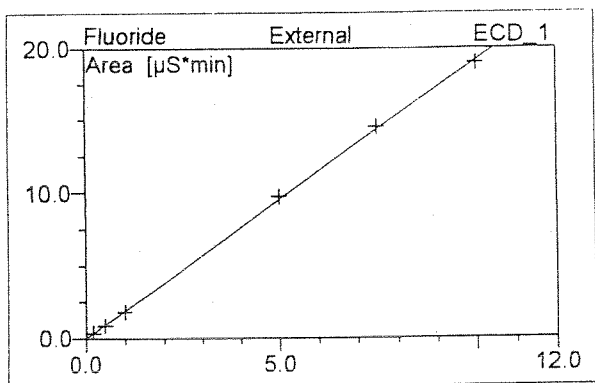
<b>7 std1/lvl1</b>			
Sample Name:	std1/lvl1	Injection Volume:	200.0
Vial Number:	7	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 10:17	Sample Weight:	1.0000
Run Time (min):	10.50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



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

**7 std1/lvl1**

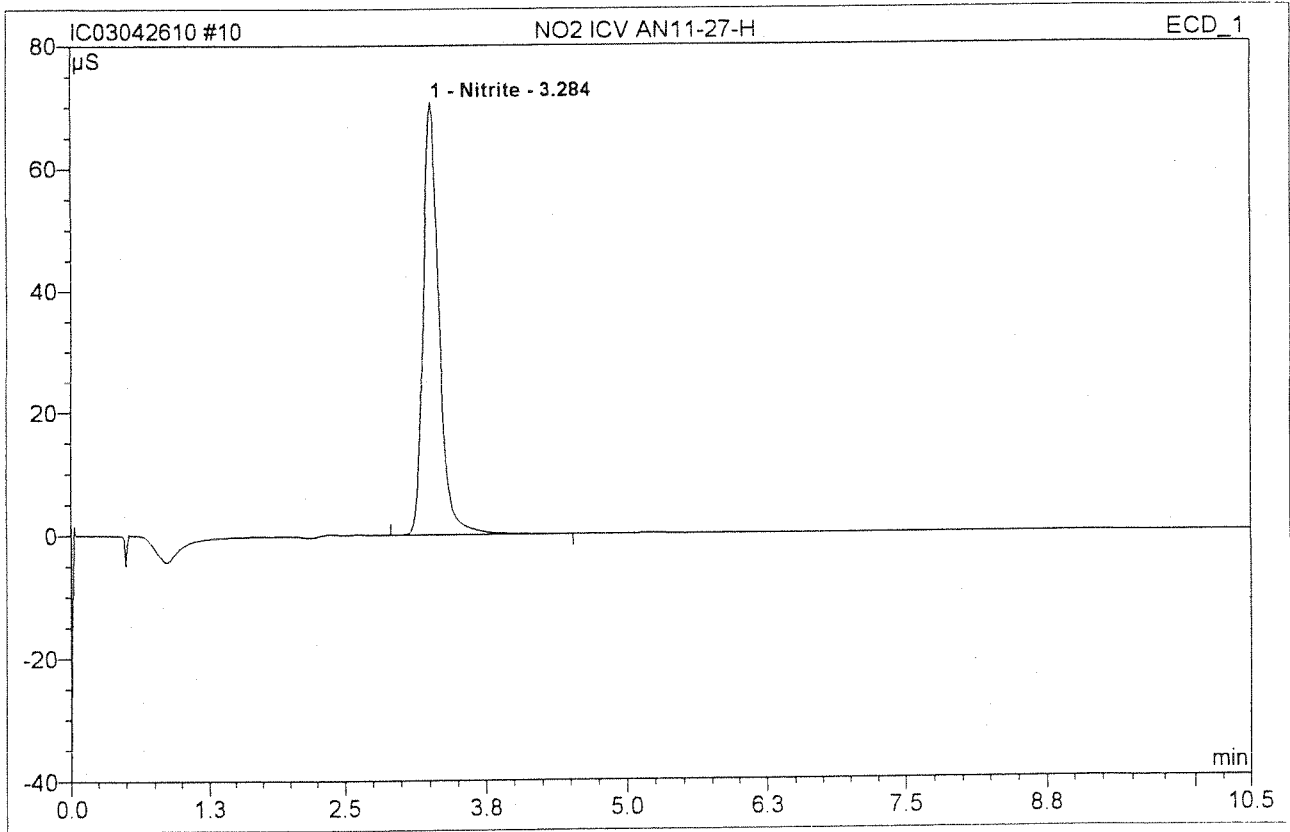
Sample Name:	std1/lvl1	Injection Volume:	200.0
Vial Number:	7	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 10:17	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



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

*6/24/10*

<b>10 NO2 ICV AN11-27-H</b>			
<b>NO2 ICV</b>			
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	BMB
<b>Total:</b>			70.856	11.827	100.00	102.405	

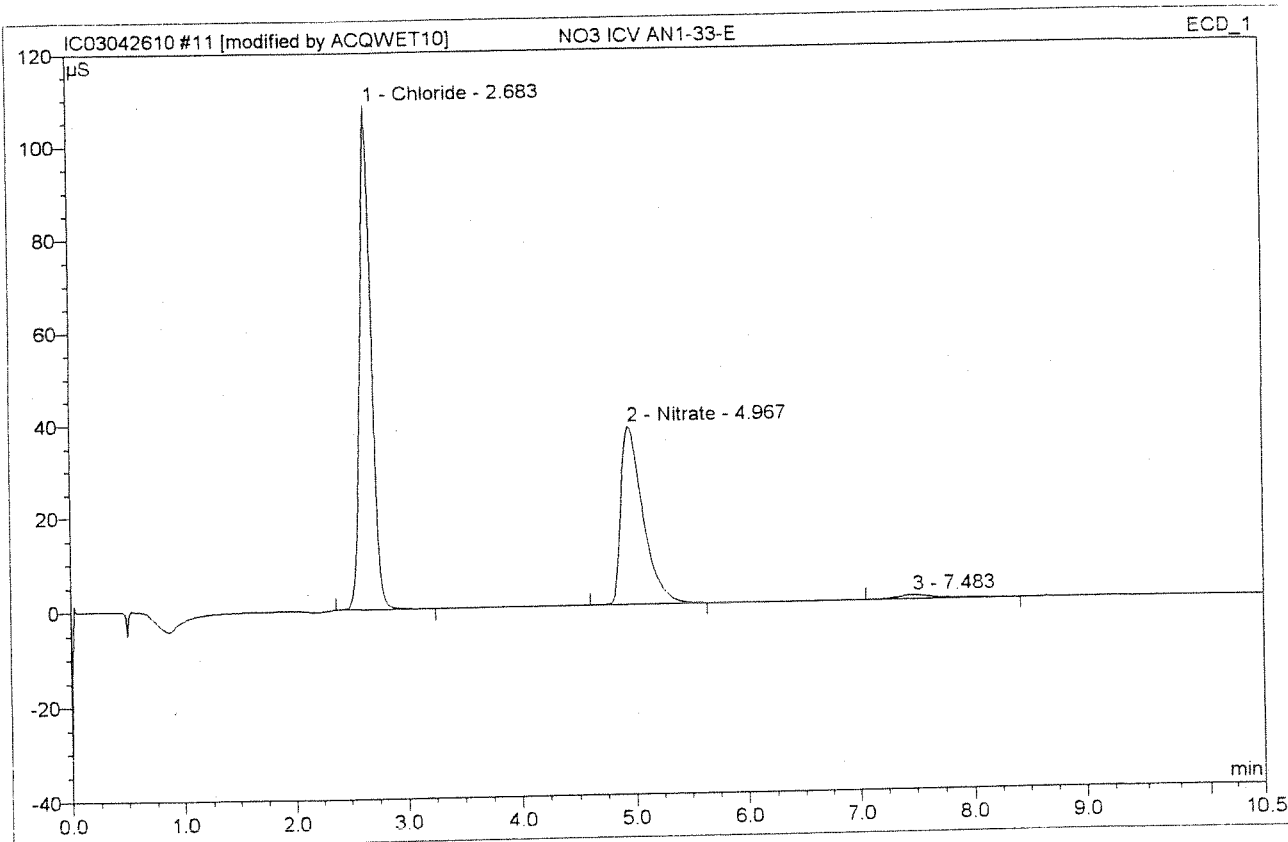


# 11 NO3 ICV AN1-33-E

## NO3 ICV

Sample Name: NO3 ICV AN1-33-E  
 Vial Number: 11  
 Sample Type: unknown  
 Control Program: epa300  
 Quantif. Method: epa300  
 Recording Time: 4/26/2010 11:18  
 Run Time (min): 10.50

Injection Volume: 200.0  
 Channel: ECD\_1  
 Wavelength: n.a.  
 Bandwidth: n.a.  
 Dilution Factor: 10.0000  
 Sample Weight: 1.0000  
 Sample Amount: 1.0000



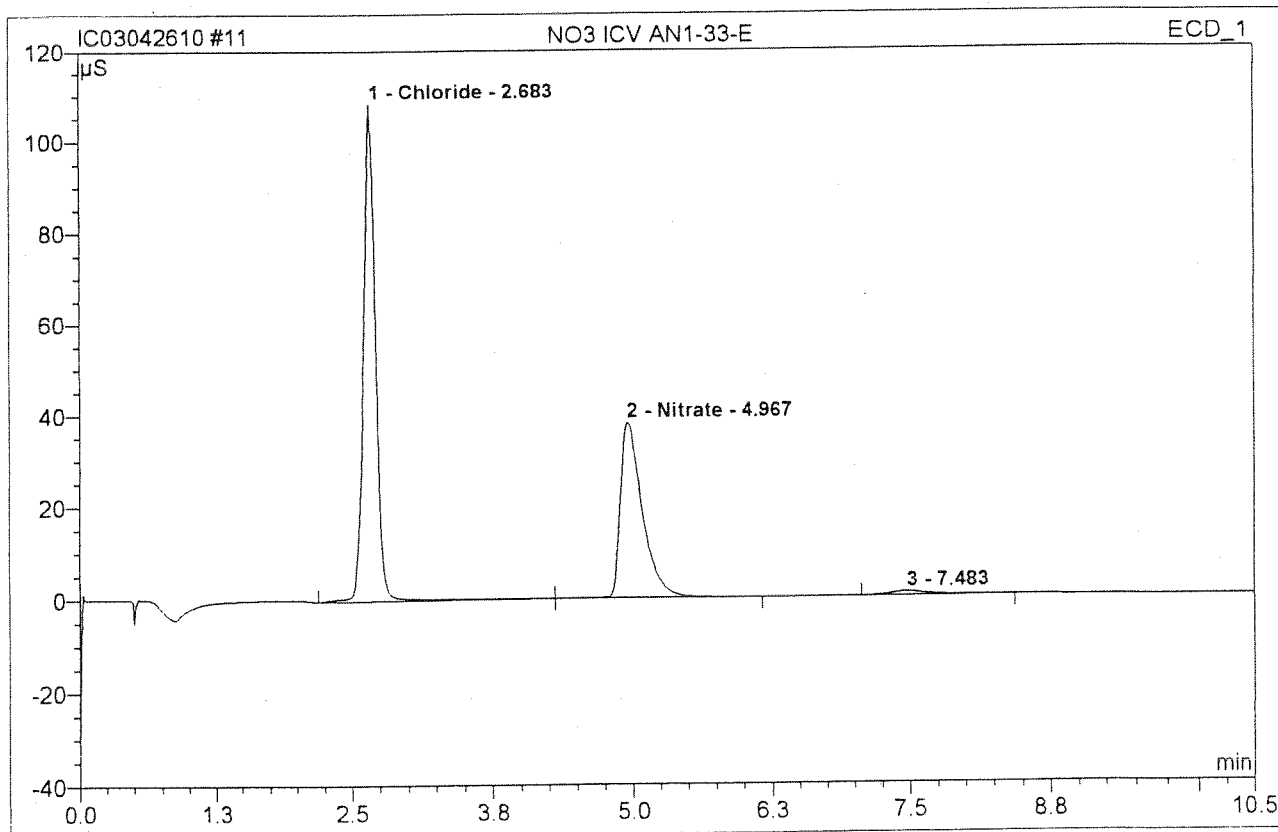
No.	Ret. Time min	Peak Name	Height $\mu\text{S}$	Area $\mu\text{S}\cdot\text{min}$	Rel. Area %	Amount	Type
1	2.68	Chloride	108.172	12.864	59.17	82.484	BMB*
2	4.97	Nitrate	38.103	8.551	39.33	23.211110%	BMB*
3	7.48	n.a.	0.823	0.326	1.50	n.a.	BMB
<b>Total:</b>			147.098	21.741	100.00	105.695	

*(Handwritten initials)*

# 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 $\mu\text{S}$	Area $\mu\text{S}\cdot\text{min}$	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
<b>Total:</b>			147.556	22.304	100.00	109.004	

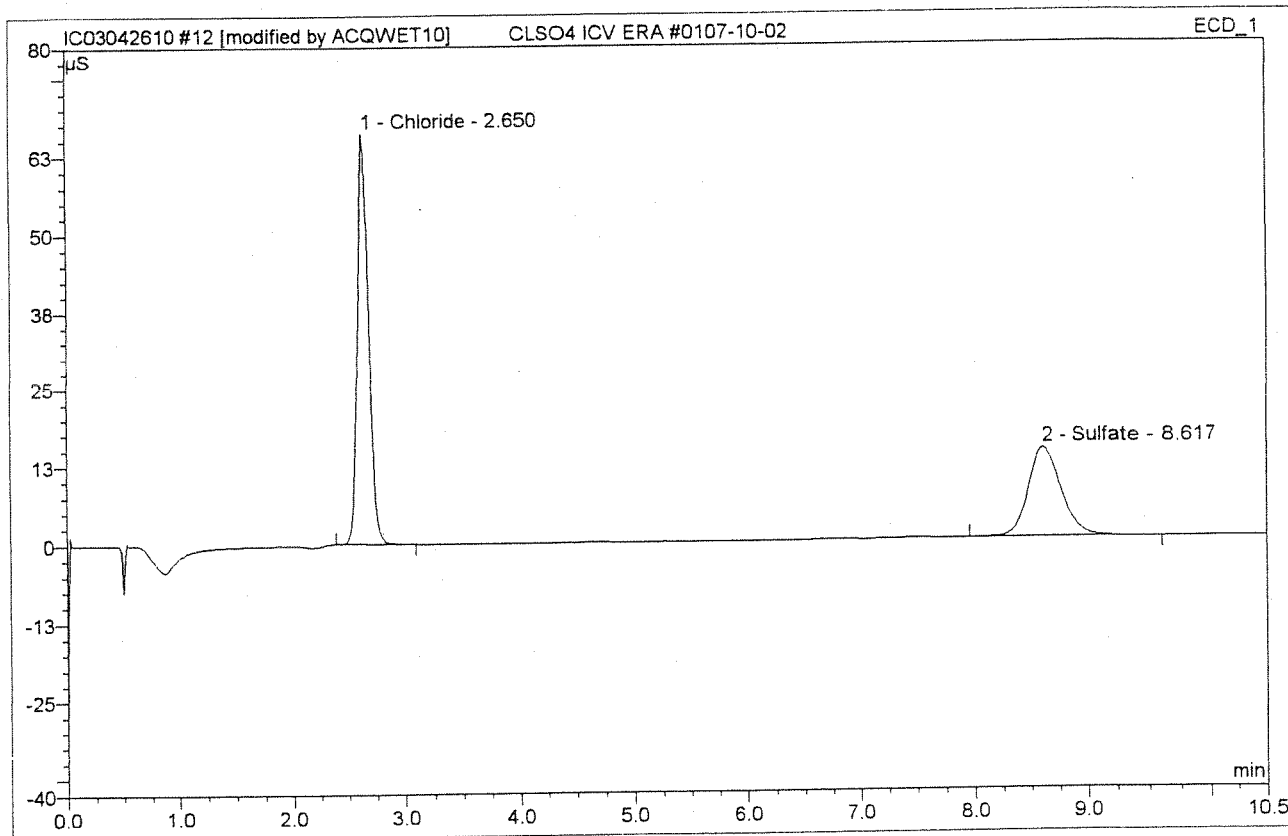
Before

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**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	4.808762	BMB*
2	8.62	Sulfate	14.257	4.794	39.00	4.871972	BMB
<b>Total:</b>			80.219	12.292	100.00	9.679	

After  
Injection 12

3442811

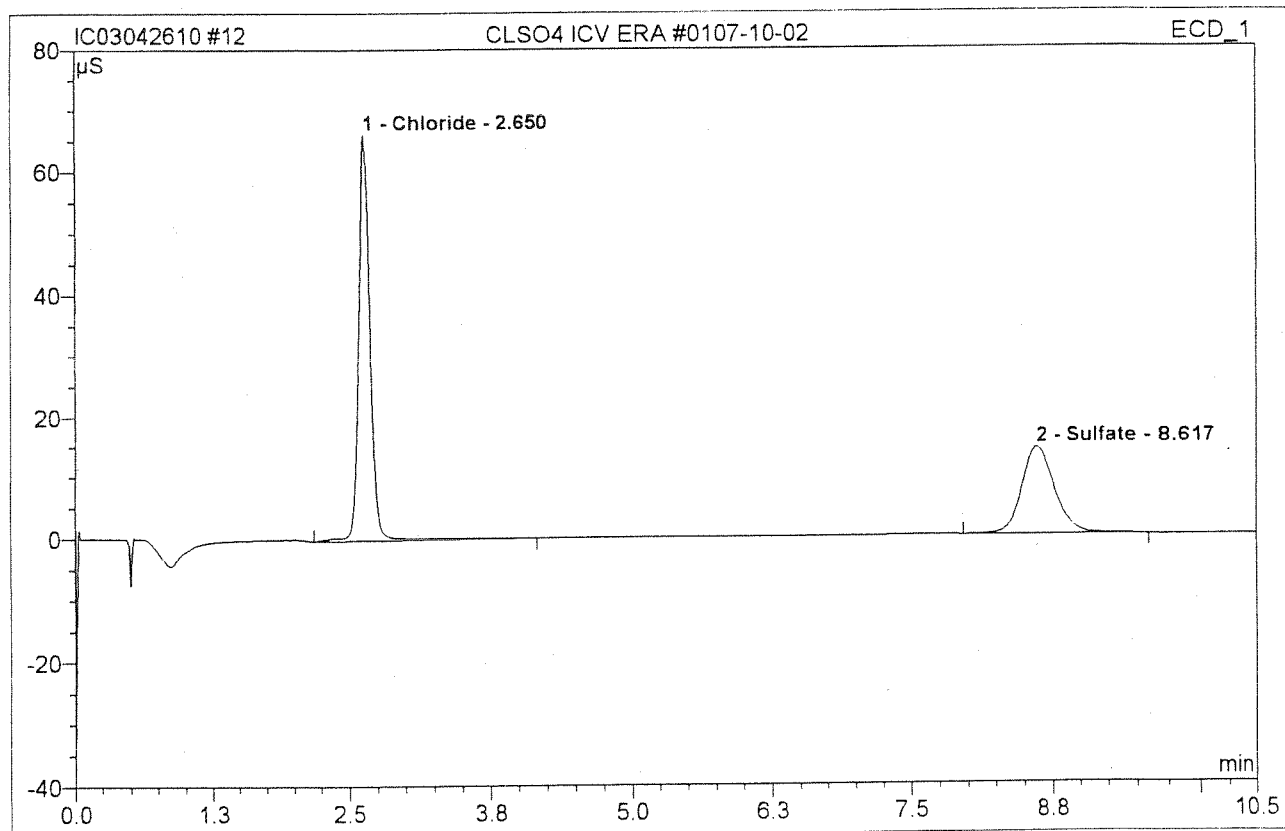
APR 26 2010

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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	66.369	7.929	62.32	5.084	BMB
2	8.62	Sulfate	14.257	4.794	37.68	4.871	BMB
<b>Total:</b>			80.625	12.723	100.00	9.956	

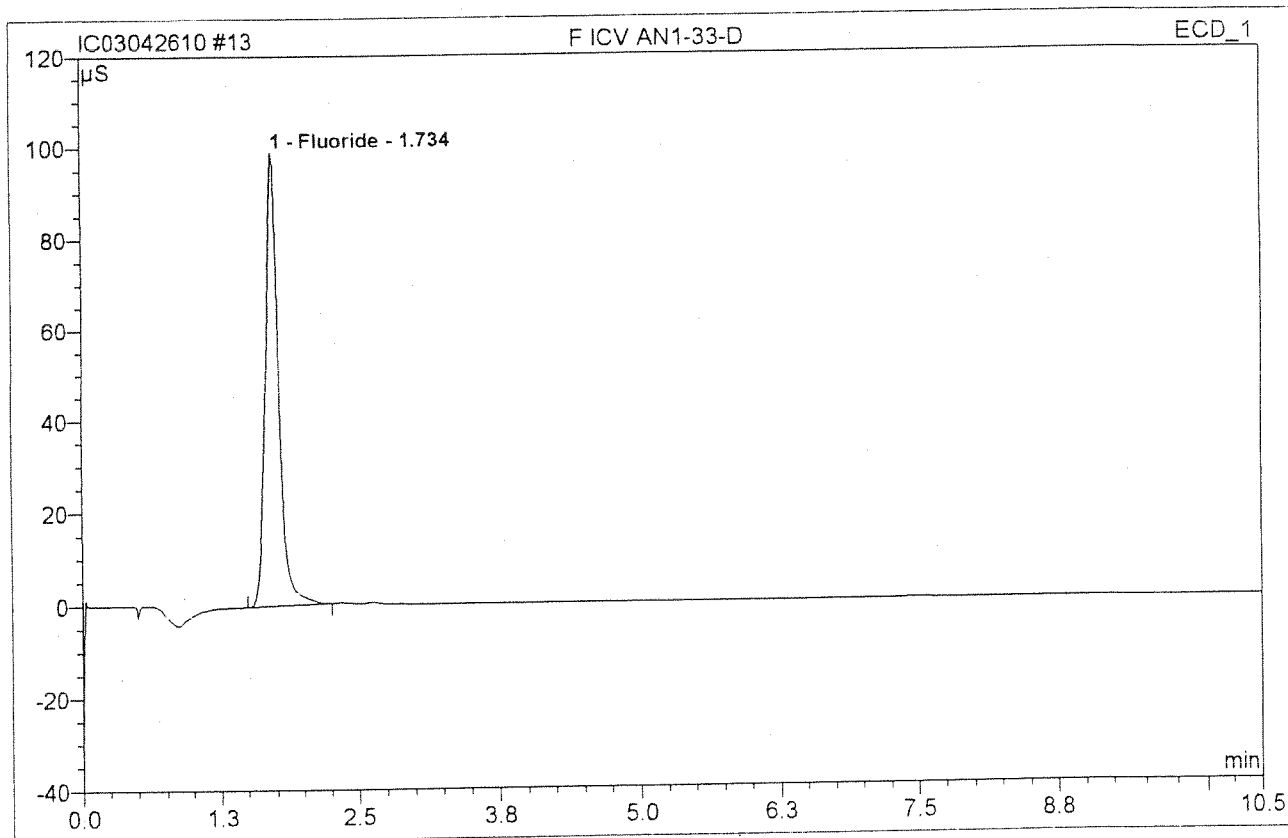
Before

APR 26 2010

### 13 F ICV AN1-33-D

F ICV

Sample Name:	F ICV AN1-33-D	Injection Volume:	200.0
Vial Number:	13	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	4/26/2010 11:43	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000

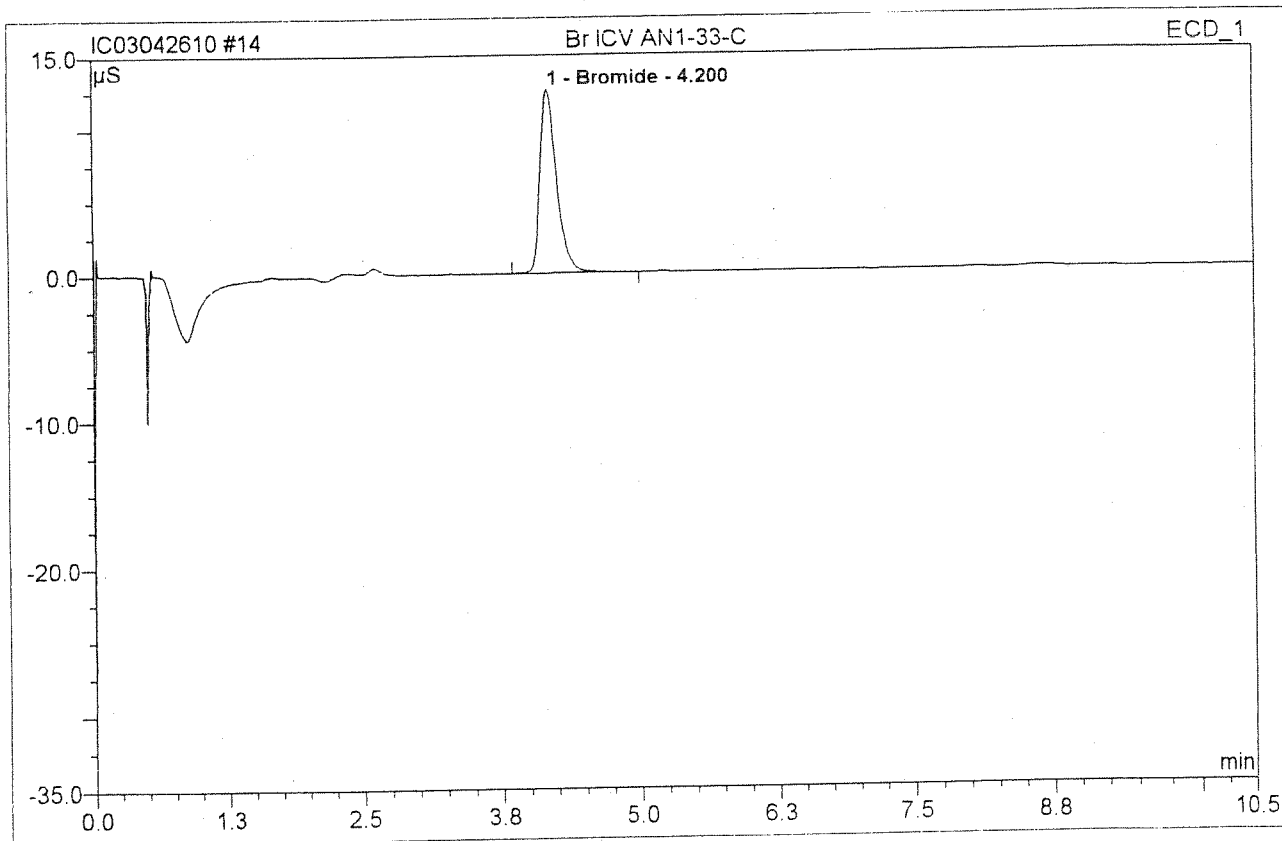


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.73	Fluoride	98.959	13.315	100.00	13.917 <sup>1032</sup>	BMB
<b>Total:</b>			98.959	13.315	100.00	13.917	

### 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	4.124	BMB
<b>Total:</b>			12.583	2.210	100.00	4.124	

## **Metals**

# Columbia Analytical Services

- Cover Page -  
INORGANIC ANALYSIS DATA PACKAGE

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

Service Request: K1004635

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<u>Sample Name:</u>	<u>Lab Code:</u>
<u>Batch QC1</u>	<u>K1004575-001D DISS</u>
<u>Batch QC1</u>	<u>K1004575-001S DISS</u>
<u>Batch QC2</u>	<u>K1004575-002D DISS</u>
<u>Batch QC3</u>	<u>K1004575-003S DISS</u>
<u>BH-11-62</u>	<u>K1004635-001 DISS</u>
<u>EB-050710</u>	<u>K1004635-002 DISS</u>
<u>BH-9</u>	<u>K1004635-003 DISS</u>
<u>Method Blank</u>	<u>K1004635-MB</u>

Comments:

Approved By: SC

Date: 5/28/10



## METALS

- 1 -

## INORGANIC ANALYSIS DATA PACKAGE

Client: Exponent Service Request: K1004635  
 Project No.: 0907194.000.0601 Date Collected: 5/7/2010  
 Project Name: Heglär Kronquist Date Received: 5/8/2010  
 Matrix: WATER Units: ug/L  
 Basis: N/A

Sample Name: BH-11-62

Lab Code: K1004635-001 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	200.7	50	30	1.0	05/13/10	05/26/10	30	U	
Antimony	200.8	0.050	0.005	1.0	05/13/10	05/14/10	0.112		
Arsenic	200.8	0.5	0.1	1.0	05/13/10	05/14/10	0.6		
Barium	200.7	5.0	0.6	1.0	05/13/10	05/26/10	65.5		
Beryllium	200.8	0.020	0.006	1.0	05/13/10	05/14/10	0.006	U	
Cadmium	200.8	0.020	0.005	1.0	05/13/10	05/14/10	0.009	J	
Calcium	200.7	50.0	6.0	1.0	05/13/10	05/26/10	105000		
Chromium	200.8	0.20	0.02	1.0	05/13/10	05/14/10	0.25		
Cobalt	200.8	0.020	0.006	1.0	05/13/10	05/14/10	2.020		
Copper	200.8	0.10	0.02	1.0	05/13/10	05/18/10	0.93		
Iron	200.7	20.0	0.8	1.0	05/13/10	05/26/10	20.2		
Lead	200.8	0.020	0.005	1.0	05/13/10	05/18/10	0.014	J	
Magnesium	200.7	20.0	0.3	1.0	05/13/10	05/26/10	33300		
Manganese	200.7	5.0	0.2	1.0	05/13/10	05/26/10	174		
Mercury	245.1	0.20	0.02	1.0	05/10/10	05/12/10	0.02	U	
Nickel	200.8	0.20	0.02	1.0	05/13/10	05/14/10	4.77		
Potassium	200.7	400	40	1.0	05/13/10	05/26/10	6140		
Selenium	200.8	1.0	0.3	1.0	05/13/10	05/14/10	0.5	J	
Silver	200.8	0.020	0.004	1.0	05/13/10	05/14/10	0.004	U	
Sodium	200.7	100	20	1.0	05/13/10	05/26/10	26900		
Thallium	200.8	0.020	0.005	1.0	05/13/10	05/14/10	0.005	U	
Vanadium	200.8	0.20	0.03	1.0	05/13/10	05/18/10	0.90		
Zinc	200.8	0.5	0.2	1.0	05/13/10	05/14/10	0.6		

% Solids: 0.0

Comments:

METALS

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Exponent Service Request: K1004635  
 Project No.: 0907194.000.0601 Date Collected: 5/7/2010  
 Project Name: Heglar Kronquist Date Received: 5/8/2010  
 Matrix: WATER Units: ug/L  
 Basis: N/A

Sample Name: EB-050710 Lab Code: K1004635-002 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	200.7	50	30	1.0	05/13/10	05/26/10	30	U	
Antimony	200.8	0.050	0.005	1.0	05/13/10	05/14/10	0.005	U	
Arsenic	200.8	0.5	0.1	1.0	05/13/10	05/14/10	0.2	J	
Barium	200.7	5.0	0.6	1.0	05/13/10	05/26/10	0.6	U	
Beryllium	200.8	0.020	0.006	1.0	05/13/10	05/14/10	0.006	U	
Cadmium	200.8	0.020	0.005	1.0	05/13/10	05/14/10	0.005	U	
Calcium	200.7	50.0	6.0	1.0	05/13/10	05/26/10	76.1		
Chromium	200.8	0.20	0.02	1.0	05/13/10	05/14/10	0.08	J	
Cobalt	200.8	0.020	0.006	1.0	05/13/10	05/14/10	0.006	U	
Copper	200.8	0.10	0.02	1.0	05/13/10	05/18/10	0.08	J	
Iron	200.7	20.0	0.8	1.0	05/13/10	05/26/10	4.0	J	
Lead	200.8	0.020	0.005	1.0	05/13/10	05/18/10	0.005	U	
Magnesium	200.7	20.0	0.3	1.0	05/13/10	05/26/10	12.1	J	
Manganese	200.7	5.0	0.2	1.0	05/13/10	05/26/10	0.2	U	
Mercury	245.1	0.20	0.02	1.0	05/10/10	05/12/10	0.02	U	
Nickel	200.8	0.20	0.02	1.0	05/13/10	05/14/10	0.05	J	
Potassium	200.7	400	40	1.0	05/13/10	05/26/10	40	U	
Selenium	200.8	1.0	0.3	1.0	05/13/10	05/14/10	0.5	J	
Silver	200.8	0.020	0.004	1.0	05/13/10	05/14/10	0.004	U	
Sodium	200.7	100	20	1.0	05/13/10	05/26/10	37	J	
Thallium	200.8	0.020	0.005	1.0	05/13/10	05/14/10	0.005	U	
Vanadium	200.8	0.20	0.03	1.0	05/13/10	05/18/10	0.03	U	
Zinc	200.8	0.5	0.2	1.0	05/13/10	05/14/10	0.5		

% Solids: 0.0

Comments:

METALS

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INORGANIC ANALYSIS DATA PACKAGE

Client: Exponent Service Request: K1004635  
 Project No.: 0907194.000.0601 Date Collected: 5/7/2010  
 Project Name: Heglär Kronquist Date Received: 5/8/2010  
 Matrix: WATER Units: ug/L  
 Basis: N/A

Sample Name: BH-9 Lab Code: K1004635-003 DISS

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	200.7	50	30	1.0	05/13/10	05/26/10	174		
Antimony	200.8	0.050	0.005	1.0	05/13/10	05/14/10	0.295		
Arsenic	200.8	0.5	0.1	1.0	05/13/10	05/14/10	1.6		
Barium	200.7	5.0	0.6	1.0	05/13/10	05/26/10	279		
Beryllium	200.8	0.020	0.006	1.0	05/13/10	05/14/10	0.017	J	
Cadmium	200.8	0.020	0.005	1.0	05/13/10	05/14/10	0.017	J	
Calcium	200.7	50.0	6.0	1.0	05/13/10	05/26/10	131000		
Chromium	200.8	0.20	0.02	1.0	05/13/10	05/14/10	0.45		
Cobalt	200.8	0.020	0.006	1.0	05/13/10	05/14/10	5.620		
Copper	200.8	0.10	0.02	1.0	05/13/10	05/18/10	1.46		
Iron	200.7	20.0	0.8	1.0	05/13/10	05/26/10	440		
Lead	200.8	0.020	0.005	1.0	05/13/10	05/18/10	0.481		
Magnesium	200.7	20.0	0.3	1.0	05/13/10	05/26/10	47200		
Manganese	200.7	5.0	0.2	1.0	05/13/10	05/26/10	56		
Mercury	245.1	0.20	0.02	1.0	05/10/10	05/12/10	0.02	U	
Nickel	200.8	0.20	0.02	1.0	05/13/10	05/14/10	6.87		
Potassium	200.7	400	40	1.0	05/13/10	05/26/10	7990		
Selenium	200.8	1.0	0.3	1.0	05/13/10	05/14/10	1.1		
Silver	200.8	0.020	0.004	1.0	05/13/10	05/14/10	0.015	J	
Sodium	200.7	100	20	1.0	05/13/10	05/26/10	127000		
Thallium	200.8	0.020	0.005	1.0	05/13/10	05/14/10	0.005	U	
Vanadium	200.8	0.20	0.03	1.0	05/13/10	05/18/10	1.30		
Zinc	200.8	0.5	0.2	1.0	05/13/10	05/14/10	1.5		

% Solids: 0.0

Comments:

METALS

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INORGANIC ANALYSIS DATA PACKAGE

Client: Exponent Service Request: K1004635  
 Project No.: 0907194.000.0601 Date Collected:  
 Project Name: Heglär Kronquist Date Received:  
 Matrix: WATER Units: ug/L  
 Basis: N/A

Sample Name: Method Blank Lab Code: K1004635-MB

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Aluminum	200.7	50	30	1.0	05/13/10	05/26/10	30	U	
Antimony	200.8	0.050	0.005	1.0	05/13/10	05/14/10	0.010	J	
Arsenic	200.8	0.5	0.1	1.0	05/13/10	05/14/10	0.1	J	
Barium	200.7	5.0	0.6	1.0	05/13/10	05/26/10	0.6	U	
Beryllium	200.8	0.020	0.006	1.0	05/13/10	05/14/10	0.006	U	
Cadmium	200.8	0.020	0.005	1.0	05/13/10	05/14/10	0.005	U	
Calcium	200.7	50.0	6.0	1.0	05/13/10	05/26/10	6.0	U	
Chromium	200.8	0.20	0.02	1.0	05/13/10	05/14/10	0.08	J	
Cobalt	200.8	0.020	0.006	1.0	05/13/10	05/14/10	0.006	U	
Copper	200.8	0.10	0.02	1.0	05/13/10	05/17/10	0.02	U	
Iron	200.7	20.0	0.8	1.0	05/13/10	05/26/10	0.8	U	
Lead	200.8	0.020	0.005	1.0	05/13/10	05/17/10	0.005	U	
Magnesium	200.7	20.0	0.3	1.0	05/13/10	05/26/10	0.3	U	
Manganese	200.7	5.0	0.2	1.0	05/13/10	05/26/10	0.2	U	
Mercury	245.1	0.20	0.02	1.0	05/10/10	05/12/10	0.02	U	
Nickel	200.8	0.20	0.02	1.0	05/13/10	05/14/10	0.02	U	
Potassium	200.7	400	40	1.0	05/13/10	05/26/10	40	U	
Selenium	200.8	1.0	0.3	1.0	05/13/10	05/14/10	0.3	U	
Silver	200.8	0.020	0.004	1.0	05/13/10	05/14/10	0.004	U	
Sodium	200.7	100	20	1.0	05/13/10	05/26/10	20	U	
Thallium	200.8	0.020	0.005	1.0	05/13/10	05/14/10	0.005	U	
Vanadium	200.8	0.20	0.03	1.0	05/13/10	05/17/10	0.10	J	
Zinc	200.8	0.5	0.2	1.0	05/13/10	05/14/10	0.2	U	

% Solids: 0.0

Comments:

## METALS

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Hegljar 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	5026	101	5000	4972	99	5028	101	200.7
Antimony	25.0	23.7	95	25.0	24.5	98	24.2	97	200.8
Arsenic	25.0	23.2	93	25.0	24.1	96	23.8	95	200.8
Barium	5000	5240	105	2500	2493	100	2491	100	200.7
Beryllium	2.50	2.49	100	25.00	24.76	99	24.52	98	200.8
Cadmium	12.5	12.3	98	25.0	24.8	99	24.2	97	200.8
Calcium	5000	5124	102	2500	2457	98	2400	96	200.7
Calcium	12500	12572	101	25000	25355	101	25669	103	200.7
Chromium	10.0	9.6	96	25.0	24.9	100	24.3	97	200.8
Cobalt	25.0	24.3	97	25.0	25.2	101	24.9	100	200.8
Iron	2500	2508	100	500	490	98	499	100	200.7
Iron	10000	9883	99	25000	24836	99	25195	101	200.7
Magnesium	5000	5021	100	2000	1980	99	1964	98	200.7
Magnesium	12500	12464	100	25000	25038	100	24961	100	200.7
Manganese	1250	1210	97	1000	960	96	966	97	200.7
Manganese	10000	10051	101	5000	4964	99	4925	98	200.7
Mercury	5.00	5.03	101	5.00	5.29	106	5.23	105	245.1
Nickel	25.0	24.4	98	25.0	25.0	100	24.9	100	200.8
Potassium	12500	12620	101	10000	9995	100	9906	99	200.7
Selenium	25.0	23.3	93	25.0	24.7	99	24.8	99	200.8
Silver	12.5	12.3	98	25.0	24.8	99	24.5	98	200.8
Sodium	12500	12259	98	10000	9738	97	9805	98	200.7
Thallium	25.0	24.3	97	25.0	24.7	99	24.5	98	200.8
Zinc	25.0	25.3	101	25.0	25.0	100	24.5	98	200.8

## METALS

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Hegljar 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	5032	101			200.7
Antimony				25.0	24.4	98	24.1	96	200.8
Arsenic				25.0	24.1	96	23.9	96	200.8
Barium				2500	2491	100			200.7
Beryllium				25.00	24.36	97	24.20	97	200.8
Cadmium				25.0	24.8	99	24.3	97	200.8
Calcium				2500	2425	97			200.7
Calcium				25000	25335	101			200.7
Chromium				25.0	24.5	98	24.2	97	200.8
Cobalt				25.0	24.4	98	23.9	96	200.8
Iron				500	504	101			200.7
Iron				25000	25133	101			200.7
Magnesium				2000	1980	99			200.7
Magnesium				25000	25119	100			200.7
Manganese				1000	963	96			200.7
Manganese				5000	4957	99			200.7
Mercury				5.00	5.13	103	5.40	108	245.1
Nickel				25.0	24.5	98	24.3	97	200.8
Potassium				10000	9956	100			200.7
Selenium				25.0	25.5	102	25.2	101	200.8
Silver				25.0	24.6	98	24.4	98	200.8
Sodium				10000	9780	98			200.7
Thallium				25.0	24.5	98	24.4	98	200.8
Zinc				25.0	24.4	98	24.5	98	200.8

## METALS

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1004635

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)	
Antimony				25.0	24.6	98	24.8	99	200.8
Arsenic				25.0	23.7	95	23.8	95	200.8
Beryllium				25.00	25.04	100	24.82	99	200.8
Cadmium				25.0	24.6	98	24.5	98	200.8
Chromium				25.0	24.8	99	24.5	98	200.8
Cobalt				25.0	25.1	100	24.9	100	200.8
Nickel				25.0	25.3	101	25.2	101	200.8
Selenium				25.0	25.9	104	25.5	102	200.8
Silver				25.0	24.8	99	24.8	99	200.8
Thallium				25.0	24.3	97	24.5	98	200.8
Zinc				25.0	25.3	101	24.9	100	200.8

## METALS

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Hegljar 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)	
Antimony				25.0	24.1	96	24.3	97	200.8
Arsenic				25.0	24.0	96	23.8	95	200.8
Beryllium				25.00	24.21	97	24.82	99	200.8
Cadmium				25.0	24.2	97	24.3	97	200.8
Chromium				25.0	23.9	96	24.5	98	200.8
Cobalt				25.0	24.2	97	24.7	99	200.8
Nickel				25.0	24.2	97	24.7	99	200.8
Selenium				25.0	25.4	102	24.1	96	200.8
Silver				25.0	24.6	98	24.6	98	200.8
Thallium				25.0	24.2	97	24.2	97	200.8
Zinc				25.0	24.4	98	24.5	98	200.8



METALS

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1004635

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)	
Antimony				25.0	24.2	97			200.8
Arsenic				25.0	24.1	96			200.8
Beryllium				25.00	24.57	98			200.8
Cadmium				25.0	24.4	98			200.8
Chromium				25.0	24.7	99			200.8
Cobalt				25.0	24.6	98			200.8
Nickel				25.0	24.7	99			200.8
Selenium				25.0	25.2	101			200.8
Silver				25.0	24.6	98			200.8
Thallium				25.0	24.2	97			200.8
Zinc				25.0	24.5	98			200.8

METALS

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1004635

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)	
Copper	12.5	12.6	101	25.0	24.4	98	25.0	100	200.8
Lead	25.0	24.8	99	25.0	24.6	98	24.6	98	200.8
Vanadium	25.0	24.8	99	25.0	24.7	99	24.7	99	200.8

METALS

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglur 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)	
Copper				25.0	24.7	99			200.8
Lead				25.0	24.4	98			200.8
Vanadium				25.0	25.1	100			200.8

METALS

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1004635

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)	
Copper	12.5	12.6	101	25.0	24.4	98	25.8	103	200.8
Lead	25.0	25.0	100	25.0	24.9	100	25.3	101	200.8
Vanadium	25.0	24.9	100	25.0	24.3	97	25.1	100	200.8

METALS

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Exponent

Service Request: K1004635

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)	
Copper				25.0	26.3	105			200.8
Lead				25.0	26.0	104			200.8
Vanadium				25.0	26.1	104			200.8

## METALS

- 2b -

## CRDL STANDARD FOR AA AND ICP

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglär 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				50.00	60.45	121		
Antimony				0.05	0.05	100		
Arsenic				0.5	0.60	120		
Barium				5.00	4.64	93		
Beryllium				0.02	0.019	95		
Cadmium				0.020	0.022	110		
Calcium				50.00	42.86	86		
Chromium				0.20	0.26	130		
Cobalt				0.02	0.02	100		
Iron				20.00	20.42	102		
Magnesium				20.00	17.37	87		
Manganese				5.00	4.69	94		
Mercury	0.20	0.21	105					
Nickel				0.20	0.20	100		
Potassium				400.00	406.92	102		
Selenium				1.0	1.10	110		
Silver				0.02	0.020	100		
Sodium				200.00	201.27	101		
Thallium				0.02	0.02	100		
Zinc				0.50	0.47	94		

METALS

- 2b -

CRDL STANDARD FOR AA AND ICP

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglär Kronquist

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Copper				0.10	0.14	140		
Lead				0.02	0.019	95		
Vanadium				0.20	0.17	85		

METALS

- 2b -

CRDL STANDARD FOR AA AND ICP

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglars Kronquist

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial		Final		
	True	Found	%R	True	Found	%R	Found	%R
Copper				0.10	0.09	90		
Lead				0.02	0.018	90		
Vanadium				0.20	0.16	80		



METALS

- 3 -

BLANKS

Client: Exponent

Service Request: K1004635

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	30	U	200.7
Antimony	0.005	U	0.005	U	0.005	U	0.005	U	200.8
Arsenic	0.13	J	0.21	J	0.10	U	0.16	J	200.8
Barium	0.6	U	0.6	U	0.6	U	0.6	U	200.7
Beryllium	0.006	U	0.006	U	0.006	U	0.006	U	200.8
Cadmium	0.005	U	0.005	U	0.005	U	0.005	U	200.8
Calcium	6.0	U	6.0	U	6.0	U	9.1	J	200.7
Chromium	0.02	J	0.03	J	0.04	J	0.04	J	200.8
Cobalt	0.006	U	0.006	U	0.006	U	0.006	U	200.8
Iron	2.6	J	0.8	U	2.3	J	3.6	J	200.7
Magnesium	0.3	U	0.3	U	0.3	J	2.8	J	200.7
Manganese	1.0	J	0.7	J	0.8	J	0.8	J	200.7
Mercury	0.02	U	0.02	U	0.02	U	0.02	U	245.1
Nickel	0.02	U	0.02	U	0.02	U	0.02	U	200.8
Potassium	40	U	40	U	40	U	40	U	200.7
Selenium	0.4	J	0.4	J	0.3	U	0.4	J	200.8
Silver	0.004	U	0.004	U	0.004	U	0.004	U	200.8
Sodium	20	U	20	U	20	U	20	U	200.7
Thallium	0.005	U	0.005	U	0.005	U	0.005	U	200.8
Zinc	0.20	U	0.20	U	0.20	U	0.20	U	200.8

METALS

- 3 -

BLANKS

Client: Exponent

Service Request: K1004635

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			0.005	U	0.005	U	0.005	U	200.8
Arsenic			0.10	U	0.27	J	0.13	J	200.8
Beryllium			0.006	U	0.006	U	0.006	U	200.8
Cadmium			0.005	U	0.005	U	0.005	U	200.8
Chromium			0.05	J	0.13	J	0.10	J	200.8
Cobalt			0.006	U	0.006	U	0.006	U	200.8
Mercury			0.02	U					245.1
Nickel			0.02	U	0.02	U	0.02	U	200.8
Selenium			0.3	U	0.9	J	0.5	J	200.8
Silver			0.005	J	0.004	J	0.007	J	200.8
Thallium			0.005	U	0.005	U	0.005	U	200.8
Zinc			0.20	U	0.46	J	0.20	U	200.8

METALS

- 3 -

BLANKS

Client: Exponent

Service Request: K1004635

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			0.005	U	0.005	U	0.005	U	200.8
Arsenic			0.26	J	0.10	U	0.10	U	200.8
Beryllium			0.006	U	0.006	U	0.006	U	200.8
Cadmium			0.005	U	0.005	U	0.005	U	200.8
Chromium			0.06	J	0.03	J	0.02	U	200.8
Cobalt			0.006	U	0.006	U	0.006	U	200.8
Nickel			0.02	U	0.02	U	0.02	U	200.8
Selenium			0.5	J	0.3	U	0.3	U	200.8
Silver			0.006	J	0.006	J	0.004	U	200.8
Thallium			0.005	U	0.005	U	0.005	U	200.8
Zinc			0.20	U	0.20	U	0.20	U	200.8

METALS

- 3 -

BLANKS

Client: Exponent

Service Request: K1004635

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	
Copper	0.02	U	0.02	J	-0.03	J	-0.09	J	200.8
Lead	0.005	U	0.005	U	0.005	U	0.005	U	200.8
Vanadium	0.10	J	0.07	J	0.13	J	0.16	J	200.8

METALS

- 3 -

BLANKS

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglär Kronquist

Concentration Units: ug/L

Analyte	Initial Calib. Blank		Continuing Calibration Blank						Method
		C	1	C	2	C	3	C	
Copper	0.02	U	0.02	U	0.05	J	0.02	U	200.8
Lead	0.005	U	0.005	U	0.006	J	0.005	U	200.8
Vanadium	0.03	U	-0.04	J	-0.05	J	0.03	J	200.8

METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglär 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	511472	509981.3	102.0			
Barium		500	0	472.8	94.6			
Calcium	500000	500000	488642	489449.2	97.9			
Iron	200000	200000	201055	198799.4	99.4			
Magnesium	500000	500000	513747	511088.0	102.2			
Manganese		500	4	459.8	92.0			
Potassium			-34	-45.2				
Sodium			82	64.5				

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

## METALS

- 4 -

## ICP INTERFERENCE CHECK SAMPLE

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-MS-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
Antimony			0.04	0.05				
Arsenic	0.00	25.00	-0.06	23.34	93			
Beryllium	0.00		0.004	0.001				
Cadmium	0.00	25.00	0.09	24.48	98			
Chromium	0.00	50.00	0.31	49.30	99			
Cobalt		50	0.84	48.35	97			
Nickel		50	1.59	48.7	97			
Selenium	0.00	25.00	-1.20	21.14	85			
Silver	0.0	12.5	0.0	12.0	96			
Thallium			0.054	0.046				
Zinc		25	1.54	25.3	101			

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

METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-MS-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
Copper		50	0.94	46.7	93			
Lead			0.12	0.13				
Vanadium		50	0.02	48.48	97			

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



METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-MS-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
Copper		50	1.00	44.0	88			
Lead			0.13	0.14				
Vanadium		50	-0.04	45.28	91			

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

METALS

- 5A -

SPIKE SAMPLE RECOVERY

Client: Exponent  
 Project No.: 0907194.000.0601  
 Project Name: Heglar Kronquist  
 Matrix: WATER

Service Request: K1004635  
 Units: UG/L  
 Basis: N/A  
 % Solids: 0.0

Sample Name: Batch QC1

Lab Code: K1004575-001S DISS

Analyte	Control Limit %R	Spike Result C	Sample Result C	Spike Added	%R	Q	Method
Aluminum	70 - 130	3260	1070	2000.00	109.5		200.7
Antimony	70 - 130	17.9	0.082	20.00	89.1		200.8
Arsenic	70 - 130	20.0	2.1	20.00	89.5		200.8
Barium	70 - 130	2140	150	2000.00	99.5		200.7
Beryllium	70 - 130	19.0	0.042	20.00	94.8		200.8
Cadmium	70 - 130	19.2	0.051	20.00	95.7		200.8
Chromium	70 - 130	20.0	1.39	20.00	93.0		200.8
Cobalt	70 - 130	23.1	4.230	20.00	94.4		200.8
Copper	70 - 130	21.9	2.56	20.00	96.7		200.8
Iron	70 - 130	3260	2070	1000.00	119.0		200.7
Lead	70 - 130	20.6	0.684	20.00	99.6		200.8
Manganese	70 - 130	1070	560	500.00	102.0		200.7
Nickel	70 - 130	23.5	5.27	20.00	91.2		200.8
Selenium	70 - 130	20.9	0.5 J	20.00	102.0		200.8
Silver	70 - 130	18.0	0.004 U	20.00	90.0		200.8
Thallium	70 - 130	18.5	0.006 J	20.00	92.5		200.8
Vanadium	70 - 130	21.7	1.89	20.00	99.0		200.8
Zinc	70 - 130	24.4	5.4	20.00	95.0		200.8

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

METALS

- 5A -

SPIKE SAMPLE RECOVERY

Client: Exponent  
 Project No.: 0907194.000.0601  
 Project Name: Heglär Kronquist  
 Matrix: WATER

Service Request: K1004635  
 Units: UG/L  
 Basis: N/A  
 % Solids: 0.0

Sample Name: Batch QC3

Lab Code: K1004575-003S DISS

Analyte	Control Limit %R	Spike Result C	Sample Result C	Spike Added	%R	Q	Method
Mercury	70 - 130	1.04	0.02 U	1.00	104.0		245.1

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

METALS

- 5B -

POST SPIKE SAMPLE RECOVERY

Client: Exponent  
Project No.: 0907194.000.0601  
Project Name: Heglär Kronquist  
Matrix: WATER

Service Request: K1004635  
Units: UG/L  
Basis: N/A

Sample Name: Batch QC4

Lab Code: K1004452-001A

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Mercury	85 - 115	1.07		0.02	U	1.00	107		245.1

## METALS

- 6 -

## DUPLICATES

Client: Exponent  
 Project No.: 0907194.000.0601  
 Project Name: Heglär Kronquist  
 Matrix: WATER

Service Request: K1004635  
 Units: UG/L  
 Basis: N/A  
 % Solids: 0.0

Sample Name: Batch QC1

Lab Code: K1004575-001D DISS

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	20	1070		1080		0.9		200.7
Antimony		0.082		0.069		17.2		200.8
Arsenic		2.1		2.2		4.7		200.8
Barium	20	150		152		1.3		200.7
Beryllium		0.042		0.046		9.1		200.8
Cadmium		0.051		0.060		16.2		200.8
Calcium	20	58000		58700		1.2		200.7
Chromium	20	1.39		1.44		3.5		200.8
Cobalt	20	4.230		4.240		0.2		200.8
Copper	20	2.56		2.60		1.6		200.8
Iron	20	2070		2090		1.0		200.7
Lead	20	0.684		0.680		0.6		200.8
Magnesium	20	22800		22800		0.0		200.7
Manganese	20	560		563		0.5		200.7
Nickel	20	5.27		5.31		0.8		200.8
Potassium	20	7220		7300		1.1		200.7
Selenium		0.5	J	0.3	J	50.0		200.8
Silver		0.004	U	0.004	U			200.8
Sodium	20	31900		32500		1.9		200.7
Thallium		0.006	J	0.008	J	28.6		200.8
Vanadium	20	1.89		1.86		1.6		200.8
Zinc	20	5.4		5.6		3.6		200.8

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

METALS

- 6 -

DUPLICATES

Client: Exponent Service Request: K1004635  
 Project No.: 0907194.000.0601 Units: UG/L  
 Project Name: Heglär Kronquist Basis: N/A  
 Matrix: WATER % Solids: 0.0

Sample Name: Batch QC2

Lab Code: K1004575-002D DISS

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury		0.02	U	0.02	U			245.1

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

## METALS

- 7 -

## LABORATORY CONTROL SAMPLE

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Aqueous LCS Source: CAS MIXED

Solid LCS Source:

Analyte	Aqueous: ug/L			Solid: mg/kg				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	5000	5030	100.6					
Antimony	20	19.4	97.0					
Arsenic	20	18.0	90.0					
Barium	5000	5080	101.6					
Beryllium	20	19.0	95.0					
Cadmium	20	19.5	97.5					
Calcium	12500	12400	99.2					
Chromium	20	19.1	95.5					
Cobalt	20	19.0	95.0					
Copper	20	19.9	99.5					
Iron	2500	2500	100.0					
Lead	20	19.8	99.0					
Magnesium	12500	12500	100.0					
Manganese	1250	1220	97.6					
Mercury	5	5.24	104.8					
Nickel	20	19.2	96.0					
Potassium	12500	12700	101.6					
Selenium	20	19.4	97.0					
Silver	20	18.4	92.0					
Sodium	12500	12700	101.6					
Thallium	20	19.2	96.0					
Vanadium	20	19.6	98.0					
Zinc	20	20.0	100.0					

METALS

- 9 -

ICP SERIAL DILUTIONS

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Units: UG/L

Project Name: Heglar Kronquist

Sample Name: Batch QC1

Lab Code: K1004575-001L DISS

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	M
Aluminum	1067.41	1081.35	1.3		P
Barium	150.45	151.95	1.0		P
Calcium	58015.86	59715.20	2.9		P
Iron	2065.63	2093.70	1.4		P
Magnesium	18701.81	22564.65	20.7	E	P
Manganese	559.58	564.70	0.9		P
Potassium	7219	7026	3		P
Sodium	31921.92	30172.55	5.5		P



METALS

- 10 -

DETECTION LIMITS

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP/ICP-MS ID #: K-ICP-MS-03

GFAA ID #:

AA ID #:

Analyte	Isotope	Back-ground	MRL ug/L	MDL ug/L	M
Antimony	123		0.050	0.005	MS
Arsenic	75		0.5	0.1	MS
Beryllium	9		0.020	0.006	MS
Cadmium	111		0.020	0.005	MS
Chromium	52		0.20	0.020	MS
Cobalt	59		0.020	0.006	MS
Copper	65		0.10	0.02	MS
Lead	208		0.020	0.005	MS
Nickel	60		0.20	0.02	MS
Selenium	82		1.0	0.3	MS
Silver	107		0.020	0.004	MS
Thallium	205		0.020	0.005	MS
Vanadium	51		0.20	0.03	MS
Zinc	66		0.5	0.2	MS

Comments:

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METALS

- 10 -

DETECTION LIMITS

Client: Exponent

Service Request: K1004635

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
Barium	233.5		5	0.6	P
Calcium	211.2		50	6.0	P
Iron	259.90		20	0.8	P
Magnesium	202.5		20	0.3	P
Manganese	257.61		5	0.2	P
Potassium	766.49		400	40.0	P
Sodium	330.23		100	20.0	P

Comments:

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METALS

- 10 -

DETECTION LIMITS

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglär 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		0.2	0.02	CV

Comments:

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METALS

- 11A -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-AES-02

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Comments:

METALS

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-AES-02

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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Comments:

## METALS

- 11B -

## ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-AES-02

Analyte	Wave-length (nm)	Interelement Correction Factors for:			
		Ni	P	Ti	V
Aluminum	308.215	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
Barium	493.409	0.0000000	0.0000000	0.0000000	-0.0014400
Beryllium	313.042	0.0000000	0.0000000	-0.0000200	0.0016600
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	-0.0000900	0.0000000	0.0000500	0.0000000
Calcium	211.2	0.0000000	0.0000000	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
Copper	324.754	0.0000000	0.0000000	0.0000000	-0.0008400
Iron	271.4	0.0000000	0.0000000	0.0000000	-0.0315100
Lead	220.353	0.0003800	0.0000000	-0.0006200	0.0000000
Magnesium	202.5	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
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	214.9	0.0000000	0.0000000	0.0000000	-0.0020400
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0007900	0.0000000	0.0000000	0.0004900
Silicon	228.158	0.0000000	0.0000000	0.0753200	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0007300	0.0000000
Sodium	588.995	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
Tin	189.989	0.0000000	0.0000000	-0.0015800	0.0000000
Titanium	334.941	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

Comments:

METALS

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Hegljar Kronquist

ICP ID Number: K-ICP-AES-02

Analyte	Wave-length (nm)	Interelement Correction Factors for:			
Aluminum	308.215				
Antimony	206.838				
Arsenic	189.042				
Barium	493.409				
Beryllium	313.042				
Boron	249.678				
Cadmium	228.802				
Calcium	211.2				
Chromium	267.716				
Cobalt	228.616				
Copper	324.754				
Iron	271.4				
Lead	220.353				
Magnesium	202.5				
Manganese	293.9				
Molybdenum	202.03				
Nickel	231.604				
Phosphorus	214.9				
Potassium	766.491				
Selenium	196.026				
Silicon	228.158				
Silver	328.068				
Sodium	588.995				
Strontium	421.552				
Thallium	190.864				
Tin	189.989				
Titanium	334.941				
Vanadium	292.402				
Zinc	213.856				

Comments:

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METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglär Kronquist

ICP ID Number: K-ICP-AES-02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum	5.000	900000	200.7
Barium	5.000	45000	200.7
Calcium	5.000	1800000	200.7
Iron	5.000	900000	200.7
Magnesium	5.000	900000	200.7
Manganese	5.000	180000	200.7
Potassium	5.000	450000	200.7
Sodium	5.000	180000	200.7

Comments:



METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

ICP ID Number: K-ICP-MS-03

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony	15.000	2000	200.8
Arsenic	15.000	2000	200.8
Beryllium	15.000	2000	200.8
Cadmium	15.000	2000	200.8
Chromium	15.000	2000	200.8
Cobalt	15.000	2000	200.8
Copper	15.000	2000	200.8
Lead	15.000	2000	200.8
Nickel	15.000	2000	200.8
Selenium	15.000	2000	200.8
Silver	15.000	2000	200.8
Thallium	15.000	2000	200.8
Vanadium	15.000	1000	200.8
Zinc	15.000	2000	200.8

Comments:

METALS  
-13-  
PREPARATION LOG

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglur Kronquist

Method: CV

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1004575-002D DISS	5/10/2010	20.0	20.0
K1004575-003S DISS	5/10/2010	20.0	20.0
K1004635-001 DISS	5/10/2010	20.0	20.0
K1004635-002 DISS	5/10/2010	20.0	20.0
K1004635-003 DISS	5/10/2010	20.0	20.0
K1004635-MB	5/10/2010	20.0	20.0
LCSW	5/10/2010	20.0	20.0

METALS  
-13-  
PREPARATION LOG

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Method: MS

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1004575-001D DISS	5/13/2010	50.0	50.0
K1004575-001S DISS	5/13/2010	50.0	50.0
K1004635-001 DISS	5/13/2010	50.0	50.0
K1004635-002 DISS	5/13/2010	50.0	50.0
K1004635-003 DISS	5/13/2010	50.0	50.0
K1004635-MB	5/13/2010	50.0	50.0
LCSW	5/13/2010	50.0	50.0

METALS  
-13-  
PREPARATION LOG

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Method: P

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1004575-001D DISS	5/13/2010	50.0	50.0
K1004575-001S DISS	5/13/2010	50.0	50.0
K1004635-001 DISS	5/13/2010	50.0	50.0
K1004635-002 DISS	5/13/2010	50.0	50.0
K1004635-003 DISS	5/13/2010	50.0	50.0
K1004635-MB	5/13/2010	50.0	50.0
LCSW	5/13/2010	50.0	50.0

METALS  
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ANALYSIS RUN LOG

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-AES-02

Method: P

Start Date: 5/26/2010

End Date: 5/26/2010

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	Z N
Blank	1	08:36		X		X		X				X	X	X				X			X					
STDB	1	08:39		X		X		X				X	X	X				X			X					
STDA	1	08:42						X				X	X	X												
ICV1	1	08:45		X		X		X				X	X	X				X			X					
ICV1	1	08:48						X				X	X	X												
ICB1	1	08:51		X		X		X				X	X	X				X			X					
CCV1	1	08:55		X		X		X				X	X	X				X			X					
CCV1	1	09:00						X				X	X	X												
CCB1	1	09:06		X		X		X				X	X	X				X			X					
CRDL1	1	09:09		X		X		X				X	X	X				X			X					
ICS-A1	1	09:12		X		X		X				X	X	X				X			X					
ICS-AB1	1	09:15		X		X		X				X	X	X				X			X					
ZZZZZZ	1	09:18																								
CCV2	1	09:21		X		X		X				X	X	X				X			X					
CCV2	1	09:24						X				X	X	X												
CCB2	1	09:27		X		X		X				X	X	X				X			X					
K1004635-MB	1	09:50		X		X		X				X	X	X				X			X					
LCSW	1	09:53		X		X		X				X	X	X				X			X					
ZZZZZZ	1	09:56																								
K1004575-001D DISS	1	09:59		X		X		X				X	X	X				X			X					
K1004575-001L DISS	5	10:01		X		X		X				X	X	X				X			X					
K1004575-001S DISS	1	10:04		X		X						X		X												
ZZZZZZ	1	10:07																								
ZZZZZZ	1	10:10																								
ZZZZZZ	1	10:13																								
K1004635-001 DISS	1	10:16		X		X		X				X	X	X				X			X					
CCV3	1	10:19		X		X		X				X	X	X				X			X					
CCV3	1	10:22						X				X	X	X												
CCB3	1	10:25		X		X		X				X	X	X				X			X					
K1004635-002 DISS	1	10:28		X		X		X				X	X	X				X			X					
K1004635-003 DISS	1	10:31		X		X		X				X	X	X				X			X					
ZZZZZZ	1	10:34																								

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

METALS  
- 14 -  
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 5/14/2010

End Date: 5/15/2010

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	11:19		X	X		X	X		X	X	X		X				X	X	X		X	X						
Cal. Stn	1	11:24		X	X		X	X		X	X	X		X				X	X	X		X	X						
ICV1	1	11:28		X	X		X	X		X	X							X	X	X		X	X						
CCV1	1	11:34		X	X		X	X		X	X							X	X	X		X	X						
ICB1	1	11:49		X	X		X	X		X	X							X	X	X		X	X						
CCB1	1	11:53		X	X		X	X		X	X							X	X	X		X	X						
ZZZZZZ	1	11:58																											
ICS-A1	1	12:07		X	X		X	X		X	X							X	X	X		X	X						
ICS-AB1	1	12:13		X	X		X	X		X	X							X	X	X		X	X						
CRDL1	1	12:53		X	X		X	X		X	X							X	X	X		X	X						
ZZZZZZ	1	12:57																											
ZZZZZZ	1	13:01																											
ZZZZZZ	1	13:06																											
ZZZZZZ	1	13:12																											
ZZZZZZ	1	13:16																											
ZZZZZZ	5	13:21																											
ZZZZZZ	1	13:25																											
CCV2	1	13:31		X	X		X	X		X	X							X	X	X		X	X						
CCB2	1	13:41		X	X		X	X		X	X							X	X	X		X	X						
ZZZZZZ	1	13:46																											
ZZZZZZ	1	13:51																											
ZZZZZZ	1	13:56																											
ZZZZZZ	1	14:01																											
ZZZZZZ	1	14:05																											
ZZZZZZ	1	14:10																											
ZZZZZZ	1	14:14																											
ZZZZZZ	1	14:19																											
ZZZZZZ	1	14:23																											
ZZZZZZ	1	14:28																											
CCV3	1	14:32		X	X		X	X		X	X							X	X	X		X	X						
CCB3	1	14:42		X	X		X	X		X	X							X	X	X		X	X						
ZZZZZZ	1	14:47																											

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

METALS  
- 14 -  
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 5/14/2010

End Date: 5/15/2010

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 G	A A	N L	T V	Z N
ZZZZZZ	1	14:51																							
ZZZZZZ	1	14:56																							
ZZZZZZ	1	15:00																							
ZZZZZZ	1	15:05																							
ZZZZZZ	1	15:10																							
ZZZZZZ	1	15:15																							
ZZZZZZ	1	15:20																							
ZZZZZZ	1	15:25																							
ZZZZZZ	1	15:30																							
CCV4	1	15:34		X	X		X	X		X	X							X	X	X		X		X	
CCB4	1	15:44		X	X		X	X		X	X							X	X	X		X		X	
ZZZZZZ	1	15:48																							
ZZZZZZ	1	15:53																							
ZZZZZZ	1	15:58																							
ZZZZZZ	1	16:04																							
ZZZZZZ	1	16:10																							
ZZZZZZ	1	16:17																							
ZZZZZZ	1	16:25																							
ZZZZZZ	1	16:30																							
ZZZZZZ	1	16:34																							
ZZZZZZ	1	16:41																							
CCV5	1	16:54		X	X		X	X		X	X							X	X	X		X		X	
CCB5	1	17:10		X	X		X	X		X	X							X	X	X		X		X	
ZZZZZZ	1	17:14																							
ZZZZZZ	1	17:19																							
ZZZZZZ	1	17:24																							
ZZZZZZ	1	17:29																							
ZZZZZZ	1	17:33																							
ZZZZZZ	1	17:38																							
ZZZZZZ	1	17:42																							
ZZZZZZ	1	17:47																							
ZZZZZZ	1	17:51																							

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

METALS  
- 14 -  
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 5/14/2010

End Date: 5/15/2010

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				
ZZZZZZ	1	17:56																													
CCV6	1	18:01		X	X	X	X	X	X									X	X	X	X	X									
CCB6	1	18:07		X	X	X	X	X	X									X	X	X	X	X									
ZZZZZZ	1	18:20																													
K1004635-MB	1	18:25		X	X	X	X	X	X									X	X	X	X	X									
LCSW	1	18:29		X	X	X	X	X	X									X	X	X	X	X									
ZZZZZZ	1	18:35																													
ZZZZZZ	1	18:39																													
ZZZZZZ	1	18:44																													
ZZZZZZ	1	18:49																													
ZZZZZZ	1	18:54																													
ZZZZZZ	1	18:58																													
ZZZZZZ	1	19:03																													
CCV7	1	19:08		X	X	X	X	X	X									X	X	X	X	X									
CCB7	1	19:22		X	X	X	X	X	X									X	X	X	X	X									
ZZZZZZ	1	19:26																													
ZZZZZZ	1	19:31																													
ZZZZZZ	1	19:36																													
K1004575-001D DISS	1	19:40		X	X	X	X	X	X									X	X	X	X	X									
K1004575-001S DISS	1	19:45		X	X	X	X	X	X									X	X	X	X	X									
ZZZZZZ	1	19:50																													
ZZZZZZ	1	19:56																													
ZZZZZZ	1	20:03																													
K1004635-001 DISS	1	20:07		X	X	X	X	X	X									X	X	X	X	X									
K1004635-002 DISS	1	20:13		X	X	X	X	X	X									X	X	X	X	X									
CCV8	1	20:17		X	X	X	X	X	X									X	X	X	X	X									
CCB8	1	20:32		X	X	X	X	X	X									X	X	X	X	X									
ZZZZZZ	1	20:37																													
ZZZZZZ	1	20:43																													
ZZZZZZ	1	20:50																													
ZZZZZZ	1	21:05																													
K1004635-003 DISS	1	21:09		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: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 5/14/2010

End Date: 5/15/2010

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	A L	N T	T L	V	Z N
ZZZZZZ	1	21:15																									
ZZZZZZ	1	21:19																									
ZZZZZZ	1	21:25																									
ZZZZZZ	1	21:29																									
ZZZZZZ	1	21:34																									
ZZZZZZ	1	21:39																									
ZZZZZZ	1	21:44																									
ZZZZZZ	1	21:49																									
ZZZZZZ	1	21:54																									
CCV10	1	21:59			X	X		X	X		X	X						X		X	X		X		X		
CCB10	1	22:10			X	X		X	X		X	X						X		X	X		X		X		
ZZZZZZ	1	22:14																									
ZZZZZZ	1	22:20																									
ZZZZZZ	1	22:24																									
ZZZZZZ	1	22:29																									
ZZZZZZ	1	22:33																									
ZZZZZZ	1	22:39																									
ZZZZZZ	1	22:45																									
ZZZZZZ	1	22:49																									
ZZZZZZ	1	22:54																									
ZZZZZZ	1	22:58																									
ZZZZZZ	1	23:03																									
ZZZZZZ	1	23:14																									
ZZZZZZ	1	23:18																									
ZZZZZZ	1	23:23																									
ZZZZZZ	1	23:27																									
ZZZZZZ	1	23:32																									
ZZZZZZ	1	23:37																									
ZZZZZZ	1	23:41																									
ZZZZZZ	1	23:46																									
ZZZZZZ	1	23:51																									
ZZZZZZ	1	23:55																									

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

METALS  
- 14 -  
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Hegljar Kronquist

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 5/17/2010

End Date: 5/17/2010

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	A L	T L	V L	Z N	C N				
Cal. Blk	1	16:55										X	X															X			
Cal. Stn	1	16:57										X	X															X			
ICV2	1	17:00										X	X															X			
CCV1	1	17:03										X	X															X			
ICB2	1	17:05										X	X															X			
CCB1	1	17:08										X	X															X			
CRA2	1	17:16										X	X															X			
ICS-A2	1	17:18										X	X															X			
ICS-AB2	1	17:21										X	X															X			
ZZZZZZ	1	17:23																													
ZZZZZZ	1	17:26																													
ZZZZZZ	1	17:29																													
ZZZZZZ	1	17:32																													
ZZZZZZ	1	17:34																													
ZZZZZZ	1	17:37																													
ZZZZZZ	1	17:40																													
CCV2	1	17:42										X	X															X			
CCB2	1	17:45										X	X															X			
ZZZZZZ	1	17:48																													
K1004635-MB	1	17:50										X	X															X			
LCSW	1	17:53										X	X															X			
ZZZZZZ	1	17:56																													
ZZZZZZ	1	17:58																													
ZZZZZZ	1	18:01																													
ZZZZZZ	1	18:04																													
ZZZZZZ	1	18:07																													
ZZZZZZ	1	18:09																													
ZZZZZZ	1	18:12																													
CCV3	1	18:15										X	X															X			
CCB3	1	18:20										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: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 5/18/2010

End Date: 5/18/2010

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	13:59										X	X												X		
Cal. Stn	1	14:03										X	X												X		
ICV3	1	14:06										X	X												X		
CCV1	1	14:09										X	X												X		
ICB3	1	14:11										X	X												X		
CCB1	1	14:14										X	X												X		
CRDL3	1	14:17										X	X												X		
ICS-A3	1	14:19										X	X												X		
ICS-AB3	1	14:22										X	X												X		
ZZZZZZ	1	14:25																									
ZZZZZZ	1	14:28																									
ZZZZZZ	1	14:30																									
K1004575-001D DISS	1	14:33										X	X												X		
K1004575-001S DISS	1	14:36										X	X												X		
ZZZZZZ	1	14:38																									
ZZZZZZ	1	14:41																									
CCV2	1	14:44										X	X												X		
CCB2	1	14:47										X	X												X		
ZZZZZZ	1	14:49																									
K1004635-001 DISS	1	14:52										X	X												X		
K1004635-002 DISS	1	14:55										X	X												X		
K1004635-003 DISS	1	14:58										X	X												X		
ZZZZZZ	1	15:00																									
ZZZZZZ	1	15:03																									
ZZZZZZ	1	15:06																									
ZZZZZZ	1	15:09																									
ZZZZZZ	1	15:11																									
ZZZZZZ	1	15:14																									
CCV3	1	15:17										X	X												X		
CCB3	1	15:19										X	X												X		
ZZZZZZ	1	15:22																									
ZZZZZZ	1	15:25																									

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

METALS  
- 14 -  
ANALYSIS RUN LOG

Client: Exponent

Service Request: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-CVAA-01

Method: CV

Start Date: 5/12/2010

End Date: 5/12/2010

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		
Standard #1	1	14:10																									X		
Standard #2	1	14:11																									X		
Standard #3	1	14:13																									X		
Standard #4	1	14:15																									X		
Standard #5	1	14:17																									X		
ICV1	1	14:18																									X		
ICB1	1	14:20																									X		
CCV1	1	14:22																									X		
CCB1	1	14:24																									X		
CRDL1	1	14:25																									X		
K1004635-MB	1	14:27																									X		
LCSW	1	14:29																									X		
ZZZZZZ	1	14:31																											
K1004452-001A	1	14:33																									X		
ZZZZZZ	1	14:34																											
ZZZZZZ	1	14:36																											
ZZZZZZ	1	14:38																											
ZZZZZZ	1	14:40																											
ZZZZZZ	1	14:41																											
CCV2	1	14:43																									X		
CCB2	1	14:45																									X		
ZZZZZZ	1	14:47																											
ZZZZZZ	1	14:49																											
ZZZZZZ	1	14:50																											
ZZZZZZ	1	14:52																											
K1004575-002D DISS	1	14:54																									X		
ZZZZZZ	1	14:56																											
K1004575-003S DISS	1	14:57																									X		
ZZZZZZ	1	14:59																											
K1004635-001 DISS	1	15:01																									X		
K1004635-002 DISS	1	15:03																									X		
CCV3	1	15:05																									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: K1004635

Project No.: 0907194.000.0601

Project Name: Heglar Kronquist

Instrument ID Number: K-CVAA-01

Method: CV

Start Date: 5/12/2010

End Date: 5/12/2010

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	15:06																									X								
K1004635-003 DISS	1	15:08																									X								
ZZZZZZ	1	15:10																																	
ZZZZZZ	1	15:12																																	
ZZZZZZ	1	15:13																																	
ZZZZZZ	1	15:15																																	
CCV4	1	15:17																									X								
CCB4	1	15:19																									X								

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

**Columbia Analytical Services** Preparation Information Benchsheet

Prep Run: 111321    Prep Workflow: MetDigAqICP    Status: Prepped    Prep Date: 05/13/2010  
 Team: Metals    Prep Method: EPA 3010A    Current Step: Digestion    04:00  
 Analyst: B.SHELDON    Rush/NPDES: N/A    Due Date: 05/24/2010

Lab Code	Client ID	Bottle #	Initial Amt	Final Volume	Spike Amt	Spike ID	TestNo List	Comments
KQ1004261-01	Method Blank		50 mL	50 mL			Metals D	1%HNO3,5%HCl
KQ1004261-02	Lab Control Sample		50 mL	50 mL	0.25 mL 0.25 mL 0.25 mL 0.5 mL	12778 12779 14972 16626	Metals D	1%HNO3,5%HCl
K1004575-001	BH-12	.17	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004575-001: KQ1004261-04	Duplicate	.17	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004575-001: KQ1004261-05	Matrix Spike	.17	50 mL	50 mL	0.5 mL 0.5 mL 0.5 mL	16626 17064 17544	Metals D	1%HNO3,5%HCl
K1004575-002	BH-10	.17	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004575-003	BH-14	.17	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004575-004	EB-050610	.17	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004635-001	BH-11-62	.12	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004635-002	EB-050710	.12	50 mL	50 mL			Metals D	1%HNO3,5%HCl
K1004635-003	BH-9	.12	50 mL	50 mL			Metals D	1%HNO3,5%HCl

11 Total Samples consisting of 7 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 QCP-CICV-1	Spike	12779	10/1/2010	K-MET SS1	Spike	17544	9/11/2010
K-MET QCP-CICV-2	Spike	12778	7/1/2010	K-MET SS3	Spike	17064	12/1/2010
K-MET QCP-CICV-3	Spike	14972	1/28/2011	K-MET SS4	Spike	16626	10/1/2010

**Preparation Materials**

Step	Name	ID	Step	Name	ID
Digestion	K-MET HNO3	15193	Digestion	K-MET 50ml Centrifuge Tube	16850
Digestion	K-MET HCL	16810			

**Preparation Hardware / Equipment**

Step	Name	Property	Value
Digestion	K-BlockDigester-06	Temperature	95 deg C

**Preparation Steps**

Step	Started	Finished	By	Assisted By	Training?	Comments
Digestion	13-MAY-10 04:00	13-MAY-10 07:00	B.SHELDON		N	

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**Comments**

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**Review**

Reviewed by:           *h*           Date:           *5/14/10*

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	-	0.5
	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	-	0.5
	As	50.0	500ml	100	
	Se	50.0	500ml	100	
	Tl	50.0	500ml	100	
K-MET SS4	HNO3	25	500ml	-	0.5
	B	50	500ml	100	
	Mo	50	500ml	100	
K-MET SS5	HNO3	10.0	200ml	-	
	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	0.25
	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	0.25
K-MET QCP-CICV-3	As, Pb, Se, Tl	no dilution	-	500	0.25
	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





**Preparation Information Benchsheet**

**Prep Run:** 111319      **Prep Workflow:** MetDigAqMS      **Status:** Prepped      **Prep Date:** 05/13/2010  
**Team:** Metals      **Prep Method:** EPA CLP-      **Current Step:** Digestion      **Due Date:** 01:00  
**Analyst:** B.SHELDON      **ILM04.0**

**Rush/NPDES:** N/A

Lab Code	Client ID	Bottle #	Initial Amt	Final Volume	Spike Amt	Spike ID	TestNo List	Comments
KQ1004259-01	Method Blank		50 mL	50 mL			Metals D, Metals T	1%HNO3
KQ1004259-02	Lab Control Sample		50 mL	50 mL	1 mL 1 mL	11605 17425	Metals D, Metals T	1%HNO3
K1004510-001	SW-1-0510-2	.04	50 mL	50 mL			Metals D	1%HNO3
K1004510-001	SW-1-0510-2	.03	50 mL	50 mL			Metals T	1%HNO3
K1004510-001: KQ1004259-05	Duplicate	.03	50 mL	50 mL			Metals T	1%HNO3
K1004510-001: KQ1004259-06	Matrix Spike	.03	50 mL	50 mL	1 mL 1 mL	11605 17425	Metals T	1%HNO3
K1004510-002	SW-3-0510-2	.04	50 mL	50 mL			Metals D	1%HNO3
K1004510-002	SW-3-0510-2	.03	50 mL	50 mL			Metals T	1%HNO3
K1004510-003	SW-5-0510-2	.04	50 mL	50 mL			Metals D	1%HNO3
K1004510-003	SW-5-0510-2	.03	50 mL	50 mL			Metals T	1%HNO3
K1004510-005	STW-001-0510-2	.03	50 mL	50 mL			Metals T	1%HNO3
K1004575-001	BH-12	.17	50 mL	50 mL			Metals D	1%HNO3
K1004575-001: KQ1004259-03	Duplicate	.17	50 mL	50 mL			Metals D	1%HNO3
K1004575-001: KQ1004259-04	Matrix Spike	.17	50 mL	50 mL	1 mL 1 mL	11605 17425	Metals D	1%HNO3
K1004575-002	BH-10	.17	50 mL	50 mL			Metals D	1%HNO3
K1004575-003	BH-14	.17	50 mL	50 mL			Metals D	1%HNO3
K1004575-004	EB-050610	.17	50 mL	50 mL			Metals D	1%HNO3
K1004635-001	BH-11-62	.12	50 mL	50 mL			Metals D	1%HNO3
K1004635-002	EB-050710	.12	50 mL	50 mL			Metals D	1%HNO3
K1004635-003	BH-9	.12	50 mL	50 mL			Metals D	1%HNO3

17 Total Samples consisting of 11 Client Samples, 4 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 200.8 1000ug/L Stock	Spike	17425	10/24/2010	K-MET Ag 1000 ppb Stock	Spike	11605	8/17/2010

**Preparation Materials**

Step	Name	ID	Step	Name	ID
Digestion	K-MET HN03 ULTREX	16811	Digestion	K-MET 50ml Centrifuge Tube	16850

**Preparation Hardware / Equipment**

Step	Name	Property	Value
Digestion	K-BlockDigester-06	Temperature	95 deg C

**Preparation Steps**

Step	Started	Finished	By	Assisted By	Training?	Comments
Digestion	13-MAY-10 01:00	13-MAY-10 03:30	B.SHELDON		N	

**Comments**

**Review**

Reviewed by:                                 y                                 Date:                                 5/14/10

# CVAA Mercury Data Review Form

Element: Hg

Analysis Lot #: 200301

Cal. STD/CCV Source: HG1-91-U

Service Request Numbers:

K1004452, K1004467, K1004502, K1004571, K1004575, K1004635,  
K1004516, K1004573

	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: MS (initials)

Primary Reviewed By: MAS

Date: 5/12/10

Secondary Reviewed By: JOB

Date: 5/12/10

Method: (Circle One) 7470A 7471A <b>245.1</b>	Service Request # : K1004452, K1004467, K1004502, K1004571, K1004575, K1004635, K1004516, K1004573
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	Measured (µg/L)	Sample Actual (mg/kg)	Sample Actual (µg/L)
1	ICV1	~	~	~	5.03		101%
2	ICB1	~	~	~	0.00		< 0.2
3	CCV1	~	~	~	5.29		106%
4	CCB1	~	~	~	0.00		< 0.2
5	CRA1	~	~	~	0.21		105%
6	K1004452-MB	100	100	~	0.00		0.00
7	LCSW K1004452	100	100	~	5.24		105%
8	K1004452-001	100	100	~	0.00		0.00
9	K1004452-001A	100	100	~	1.07		107%
10	K1004452-001D	100	100	~	0.00		0.00
11	K1004452-001S	100	100	~	1.02		102%
12	K1004452-004	100	100	~	0.05		0.05
13	K1004467-001	100	100	~	0.00		0.00
14	K1004502-005	100	100	~	0.00		0.00
15	CCV2	~	~	~	5.23		105%
16	CCB2	~	~	~	0.00		< 0.2
17	K1004571-003	100	100	~	0.03		0.03
18	K1004571-004	100	100	~	0.01		0.01
19	K1004575-001	100	100	~	0.01		0.01
20	K1004575-002	100	100	~	0.00		0.00
21	K1004575-002D	100	100	~	0.00		0.00
22	K1004575-003	100	100	~	0.00		0.00
23	K1004575-003S	100	100	~	1.04		104%
24	K1004575-004	100	100	~	0.00		0.00
25	K1004635-001	100	100	~	0.00		0.00

Comments: Reporting Levels:

Soil/Tissue Spike Level:

Post Spike Level: 1.0 ppb

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%	60-130%	30%
7471A Tissue Tort	0.27 mg/kg	0.02 mg/kg	63-130%	60-130%	30%

Analyst: <i>M. L. ...</i>	Date: <i>5/12/10</i>	Page Number: 1
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Method: (Circle One) 7470A 7471A <b>245.1</b>	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	Measured (µg/L)	Sample Actual (mg/kg)	Sample Actual (µg/L)
26	K1004635-002	100	100	~	0.01		0.01
27	CCV3	~	~	~	5.13		103%
28	CCB3	~	~	~	-0.01		< 0.2
29	K1004635-003	100	100	~	0.01		0.01
30	K1004516-001	100	100	~	0.01		0.01
31	K1004516-002	100	100	~	0.00		0.00
32	K1004573-001	100	100	~	0.00		0.00
33	K1004573-002	100	100	~	0.01		0.01
34	CCV4	~	~	~	5.40		108%
35	CCB4	~	~	~	0.00		< 0.2
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							

MSS/12/10

Comments: Reporting Levels:

Soil/Tissue Spike Level:

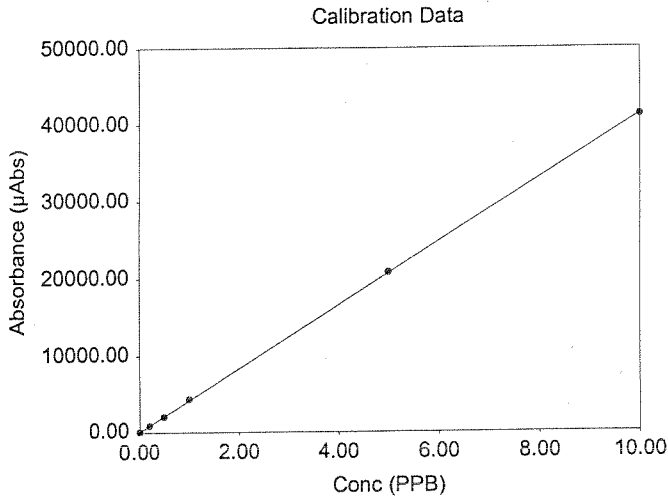
Post Spike Level:

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%	60-130%	30%
7471A Tissue Tort	0.27 mg/kg	0.02 mg/kg	63-130%	60-130%	30%

Analyst: <i>W. L. ...</i>	Date: <i>12/10</i>	Page Number: 2
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Analyst M SMITH  
 Date Started Wednesday, May 12, 2010, 14:08:19  
 Worksheet Hg 051210C  
 Comment K-CVAA-01

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
Calibration Zero	12-May-2010, 14:08	0.00	4.19	68.20	70	71	67	65	
Standard #1	12-May-2010, 14:10	0.20	0.71	877.00	875	883	881	869	
Standard #2	12-May-2010, 14:11	0.50	1.97	2050.00	2003	2025	2069	2092	
Standard #3	12-May-2010, 14:13	1.00	2.96	4330.00	4164	4293	4414	4445	
Standard #4	12-May-2010, 14:15	5.00	0.47	20800.00	20668	20782	20859	20888	
Standard #5	12-May-2010, 14:17	10.00	0.58	41200.00	40889	41100	41387	41371	



Int. Slope 0.000  
 4128.529  
 Correlation 0.99997

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
ICV1	12-May-2010, 14:18	5.03	0.24	20800.00	20711	20730	20767	20823	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
ICB1	12-May-2010, 14:20	-0.00	30.20	-10.80	-10	-8	-10	-16	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCV1	12-May-2010, 14:22	5.29	2.28	21800.00	21131	21801	22124	22239	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCB1	12-May-2010, 14:24	-0.00	25.40	-17.20	-14	-24	-15	-16	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CRA1	12-May-2010, 14:25	0.21	0.93	872.00	871	866	866	883	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
K1004452-MB	12-May-2010, 14:27	0.00	45.50	14.30	20	8	10	20	
LCSW K1004452	12-May-2010, 14:29	5.24	0.51	21600.00	21557	21525	21670	21768	
K1004452-001	12-May-2010, 14:31	-0.00	26.30	-16.90	-18	-19	-10	-21	
K1004452-001A	12-May-2010, 14:33	1.07	1.47	4410.00	4447	4439	4434	4310	
K1004452-001D	12-May-2010, 14:34	0.00	25.50	17.70	14	24	17	16	
K1004452-001S	12-May-2010, 14:36	1.02	0.69	4230.00	4254	4212	4195	4252	
K1004452-004	12-May-2010, 14:38	0.05	4.08	198.00	193	192	210	198	
K1004467-001	12-May-2010, 14:40	0.00	113.00	8.88	16	19	3	-2	
K1004502-005	12-May-2010, 14:41	0.00	80.80	10.70	0	17	7	18	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCV2	12-May-2010, 14:43	5.23	0.88	21600.00	21329	21541	21670	21768	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
CCB2	12-May-2010, 14:45	-0.00	66.50	-11.00	-3	-8	-14	-20	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. $\mu$ Abs	Readings				Flags
K1004571-003	12-May-2010, 14:47	0.03	4.52	108.00	107	108	114	102	
K1004571-004	12-May-2010, 14:49	0.01	20.70	59.10	42	72	61	61	
K1004575-001	12-May-2010, 14:50	0.01	16.40	33.60	40	36	29	29	
K1004575-002	12-May-2010, 14:52	0.00	45.70	15.10	13	25	15	8	
K1004575-002D	12-May-2010, 14:54	0.00	26.90	14.20	13	12	16	17	

Analyst M SMITH  
 Date Started Wednesday, May 12, 2010, 14:56:10  
 Worksheet Hg 051210C  
 Comment K-CVAA-01

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K1004575-003	12-May-2010, 14:56	0.00	29.80	17.00	13	14	17	24	
K1004575-003S	12-May-2010, 14:57	1.04	0.35	4280.00	4260	4294	4283	4290	
K1004575-004	12-May-2010, 14:59	-0.00	27.40	-7.83	-7	-5	-9	-10	
K1004635-001	12-May-2010, 15:01	0.00	26.60	8.91	11	8	10	6	
K1004635-002	12-May-2010, 15:03	0.01	13.80	22.60	26	21	19	24	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV3	12-May-2010, 15:05	5.13	0.52	21200.00	21040	21154	21265	21278	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB3	12-May-2010, 15:06	-0.01	31.90	-20.80	-20	-13	-29	-21	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K1004635-003	12-May-2010, 15:08	0.01	26.20	24.40	25	33	17	22	
K1004516-001	12-May-2010, 15:10	0.01	39.10	23.50	20	21	37	16	
K1004516-002	12-May-2010, 15:12	0.00	220.00	2.81	12	0	-0	-1	
K1004573-001	12-May-2010, 15:13	0.00	107.00	5.50	4	9	11	-2	
K1004573-002	12-May-2010, 15:15	0.01	4.99	28.10	29	28	26	29	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV4	12-May-2010, 15:17	5.40	0.23	22300.00	22352	22257	22233	22298	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB4	12-May-2010, 15:19	0.00	36.50	8.23	12	9	4	8	

Columbia Analytical Services  
EPA METHOD 7470A

Service Request Number(s) : K1004452, K1004467, K1004502, K1004571, K1004575,  
PREP RUN: 111086, 111087 K1004635, K1004516, K1004573

Sample	Initial Volume	Final Volume	Sample	Initial Volume	Final Volume
MB	100	100			
LCSW	7	7			
K1004452-001					
K1004452-001D					
K1004452-001S					
K1004452-004					
K1004467-001					
K1004467-001D					
K1004467-001S					
K1004502-005					
K1004571-003					
K1004571-004					
K1004575-001					
K1004575-002					
K1004575-003					
K1004575-004					
K1004635-001					
K1004635-002					
K1004635-003					
K1004516-001					
K1004516-002					
K1004573-001					
K1004573-002					
K1004575-00D					
↓ -035					
Std. 0.2	0.1 *				50
Std. 0.5	0.25 *				50
Std. 1.0	0.5 *				50
Std. 5.0	2.5 *				50
Std. 10.0	5.0 *				50
ICV	0.25 **				50

Start Time: 9:30      Finish Time: 3:20      Waterbath Temp.: 95° C  
Balance#: 1

Lot # of Reagents Used:		
HNO <sub>3</sub> : H14024	K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> : G19476	NaCl : G28620
H <sub>2</sub> SO <sub>4</sub> : 47269	KMnO <sub>4</sub> : G25592	NH <sub>2</sub> OH-HCL: E31591
HCL: 201002101	SnCl <sub>2</sub> : H45642	ERA CLP Soil: D065540

\* Source Standard: H6191-U 100 ppb      Spike = 1.0 ml \* Source Standard  
\*\*Source Standard: ICV H6191- 1000 ppb      LCSW= 0.5 ml ICV \*\*Source Standard

Comments:

Analyst:	Date:
M. J. ...	5/10/00



Service Request # F1004635  
Instrument ID# K-ICP-AES-02

## 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:

File Name: 052610AICP02

Star Lims: 202239

Primary Review by SC

Date 5/26/10

Secondary Review by MMR

Date 5/26/10

Method: 2010A Sample Name: Blank

Operator:

Comment:

Run Time: 05/26/10 08:36 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	.1400	.0277	-.0076	.00024
Stddev	.0255	.0235	.0029	.00000
%RSD	18.21	84.86	38.58	1.5862

#1	.1580	.0444	-.0097	.00023
#2	.1220	.0111	-.0055	.00024

Elem	Be3130	B_2497	Cd2265	Ca2112
Line	313.042 {107}	249.773 {134}	226.502 {148}	211.276 {159}
Avg	-.00365	.3860	.0003	.3451
Stddev	.00000	.0166	.0001	.0039
%RSD	.07304	4.306	31.51	1.125

#1	-.00365	.3743	.0004	.3424
#2	-.00365	.3978	.0003	.3479

Elem	Ca3179	Cr2677	Co2286	Cu3247
Line	317.933 {105}	267.716 {125}	228.616 {147}	324.754 {103}
Avg	-.0926	-.0001	.0003	.0221
Stddev	.0059	.0001	.0001	.0274
%RSD	6.334	46.55	37.23	123.7

#1	-.0967	-.0001	.0002	.0028
#2	-.0884	-.0002	.0003	.0415

Elem	Fe2599	Fe2714	Pb2203	Mg2025
Line	259.940 {129}	271.441 {124}	220.353 {152}	202.582 {166}
Avg	.0014	.0003	.0002	.1012
Stddev	.0001	.0004	.0002	.0019
%RSD	5.078	145.6	106.4	1.927

#1	.0015	.0000	.0001	.0998
#2	.0014	.0005	.0004	.1026

Elem	Mg2795	Mn2576	Mn2939	Mo2020
Line	279.553 {120}	257.610 {131}	293.930 {114}	202.030 {166}
Avg	.02073	.00096	-.0002	.0004
Stddev	.00586	.00012	.0003	.0000
%RSD	28.287	12.713	132.7	5.360

#1	.02487	.00105	-.0005	.0003
#2	.01658	.00088	.0000	.0004

Elem	Ni2316	K_7664	Se1960	Ag3280
Line	231.604 {145}	766.490 {44}	196.090 {171}	328.068 {102}
Avg	-.0002	.7284	-.0152	.0442
Stddev	.0001	.1192	.0176	.0391
%RSD	33.51	16.37	115.7	88.39

#1	-.0002	.6441	-.0028	.0166
#2	-.0003	.8127	-.0277	.0719

Sample Name: Blank Run Time: 05/26/10 08:36

Elem	Na5895	Sn1899	V 3102	Zn2062
Line	589.592 { 57}	189.989 {176}	310.230 {108}	206.200 {163}
Avg	.0006	.0006	.0077	.0010
Stddev	.0002	.0000	.0001	.0000
%RSD	28.91	6.503	1.751	2.297

#1	.0007	.0006	.0078	.0010
#2	.0005	.0006	.0076	.0010

Elem	P 2149	Si2516	Ti3234	Tl1908
Line	214.914 {156}	251.612 {134}	323.452 {104}	190.864 {176}
Avg	.0263	.1677	.00373	-.0002
Stddev	.0157	.0255	.00019	.0001
%RSD	59.54	15.20	5.0075	58.38

#1	.0152	.1858	.00359	-.0001
#2	.0374	.1497	.00386	-.0003

Elem	Li6707	Sr4077
Line	670.784 { 50}	407.771 { 82}
Avg	.39938	.00400
Stddev	.00194	.00015
%RSD	.48629	3.8272

#1	.39800	.00389
#2	.40075	.00411

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	185.43
Stddev	1.20
%RSD	.64836

#1	184.58
#2	186.28

*Handwritten signature*  
 5/26/10  
 WML  
 5/26/10

Method: 2010A Sample Name: STDB *ICP7-41-B* Operator:

Comment:

Run Time: 05/26/10 08:39 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	19.64	2.8426	.45830	36.50
Stddev	.03	.0223	.00033	.08
%RSD	.1395	.78390	.07183	.2280

#1	19.62	2.8583	.45807	36.44
#2	19.66	2.8268	.45854	36.56

Elem	Fe2714	Mg2025	Mn2939	K 7664
Line	271.441 {124}	202.582 {166}	293.930 {114}	766.490 { 44}
Avg	.7600	60.24	.6414	210.5
Stddev	.0006	.01	.0004	.3
%RSD	.0802	.0193	.0657	.1657

#1	.7604	60.23	.6411	210.2
#2	.7596	60.25	.6417	210.7

Elem	Na5895	P 2149	Si2516	Li6707
Line	589.592 { 57}	214.914 {156}	251.612 {134}	670.784 { 50}
Avg	4.847	44.67	93.09	420.70
Stddev	.038	.03	.22	.36
%RSD	.7873	.0572	.2335	.08604

#1	4.874	44.69	92.93	420.95
#2	4.820	44.66	93.24	420.44

Elem	Sr4077
Line	407.771 { 82}
Avg	7.9243
Stddev	.0136
%RSD	.17132

#1	7.9147
#2	7.9339

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	182.69
Stddev	.64
%RSD	.35170

#1	182.23
#2	183.14

Method: 2010A Sample Name: STDA ICP 7-36-A Operator:

Comment:

Run Time: 05/26/10 08:42 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	15.80	11.01	45.75	.2834
Stddev	.06	.03	.19	.0014
%RSD	.4044	.2514	.4098	.5019

#1	15.85	11.03	45.89	.2844
#2	15.76	10.99	45.62	.2824

Elem	Ca3179	Cr2677	Co2286	Cu3247
Line	317.933 {105}	267.716 {125}	228.616 {147}	324.754 {103}
Avg	27.15	.1143	.1854	18.46
Stddev	.22	.0010	.0015	.14
%RSD	.8048	.9008	.8350	.7642

#1	27.00	.1150	.1865	18.56
#2	27.31	.1135	.1843	18.36

Elem	Fe2599	Pb2203	Mg2795	Mn2576
Line	259.940 {129}	220.353 {152}	279.553 {120}	257.610 {131}
Avg	.4030	.0871	1290.3	3.1106
Stddev	.0089	.0011	10.1	.0277
%RSD	2.204	1.262	.78092	.88921

#1	.4092	.0879	1283.2	3.1301
#2	.3967	.0863	1297.4	3.0910

Elem	Mo2020	Ni2316	Se1960	Ag3280
Line	202.030 {166}	231.604 {145}	196.090 {171}	328.068 {102}
Avg	.1549	.1688	10.02	17.52
Stddev	.0004	.0014	.10	.08
%RSD	.2755	.8104	.9979	.4481

#1	.1552	.1697	10.09	17.57
#2	.1546	.1678	9.951	17.46

Elem	Sn1899	V_3102	Zn2062	Ti3234
Line	189.989 {176}	310.230 {108}	206.200 {163}	323.452 {104}
Avg	.0812	.1450	.1451	.16697
Stddev	.0007	.0002	.0007	.00027
%RSD	.9217	.1152	.4592	.15995

#1	.0817	.1449	.1456	.16679
#2	.0807	.1451	.1447	.16716

Elem	Tl1908
Line	190.864 {176}
Avg	.0803
Stddev	.0008
%RSD	.9643

#1	.0809
#2	.0798

Sample Name: STDA Run Time: 05/26/10 08:42

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	186.62
Stddev	1.10
%RSD	.59130

#1	185.84
#2	187.40

Method: 2010A      Sample Name: ICP1 *ICP1-37-C*      Operator:  
 Comment:  
 Run Time: 05/26/10 08:45 Type: QC      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.026	2.550	2.557	5.2398	.12410	-.0013
Stddev	.009	.018	.012	.0029	.00043	.0013
%RSD	.1810	.7226	.4531	.05565	.34949	101.0

#1	5.020	2.563	2.548	5.2377	.12441	-.0004
#2	5.032	2.537	2.565	5.2419	.12380	-.0022

Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	5.000	2.500	2.500	5.0000	.12500	
Range	5.000%	5.000%	5.000%	5.0000%	5.0000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.262	12.57	.5132	1.258	.6290	2.508
Stddev	.000	.11	.0032	.002	.0022	.005
%RSD	.0038	.8741	.6329	.1894	.3443	.1880

#1	1.262	12.49	.5155	1.256	.6306	2.511
#2	1.262	12.65	.5109	1.260	.6275	2.505

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	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.538	12.46	1.2104	2.050	1.257	12.62
Stddev	.009	.08	.0044	.002	.001	.05
%RSD	.3467	.6586	.36088	.1188	.1125	.4304

#1	2.544	12.52	1.2073	2.048	1.256	12.58
#2	2.532	12.41	1.2135	2.051	1.258	12.66

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	5.000%	5.000%	5.0000%	5.000%	5.000%	5.000%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.573	.6190	12.26	.0101	1.253	1.265
Stddev	.001	.0032	.04	.0089	.014	.002
%RSD	.0366	.5108	.2946	88.01	1.134	.1393

#1	2.574	.6213	12.23	.0164	1.263	1.264
#2	2.572	.6168	12.28	.0038	1.243	1.267

Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass
Value	2.500	.6250	12.50		1.250	1.250
Range	5.000%	5.000%	5.000%		5.000%	5.000%

Sample Name: ICV1 Run Time: 05/26/10 08:45

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	-.1489	2.0377	2.495	.00043	.00698
Stddev	.0011	.0000	.0018	.022	.00040	.00002
%RSD	55.57	.0156	.09047	.8667	94.589	.27776

#1	.0012	-.1489	2.0390	2.510	.00071	.00697
#2	.0028	-.1489	2.0364	2.480	.00014	.00699

Check ?	None	None	QC Pass	QC Pass	None	None
Value			2.0000	2.500		
Range			5.0000%	5.000%		

Int. Std.	Sc3572
Units	Cts/S
Avg	186.49
Stddev	.45
%RSD	.23997

#1	186.17
#2	186.81



Method: 2010A

Sample Name: ICVB1

Operator:

Comment:

ICP7-43-D

Run Time: 05/26/10 08:48 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9775	.0177	.0003	.00094	.00003	2.021
Stddev	.0191	.0044	.0031	.00051	.00000	.004
%RSD	1.954	24.77	1116.	54.478	11.182	.2236
#1	.9640	.0208	.0025	.00130	.00003	2.018
#2	.9911	.0146	-.0019	.00058	.00003	2.025
Check ?	None	None	None	None	None	QC Pass
Value						2.000
Range						5.000%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	5.124	.0034	.0002	.0007	9.883
Stddev	.0000	.002	.0007	.0001	.0003	.030
%RSD	3.077	.0434	20.14	68.28	43.97	.3034
#1	.0008	5.125	.0029	.0003	.0005	9.862
#2	.0007	5.122	.0039	.0001	.0009	9.905
Check ?	None	QC Pass	None	None	None	QC Pass
Value		5.000				10.00
Range		5.000%				5.000%
Elem	Pb2203	Mg2795	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0044	5.0208	10.05	.0036	-.0013	.0048
Stddev	.0030	.0086	.00	.0031	.0002	.0043
%RSD	68.35	.17119	.0449	85.55	11.26	90.15
#1	-.0065	5.0147	10.05	.0057	-.0012	.0078
#2	-.0023	5.0268	10.05	.0014	-.0014	.0017
Check ?	None	QC Pass	QC Pass	None	None	None
Value		5.0000	10.00			
Range		5.0000%	5.000%			
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103	-.0002	.0095	5.089	.0011	.0000
Stddev	.0049	.0029	.0003	.014	.0019	.0006
%RSD	47.27	1862.	3.088	.2751	166.0	1437.
#1	.0138	-.0022	.0093	5.079	.0024	.0005
#2	.0069	.0019	.0097	5.099	-.0002	-.0004
Check ?	None	None	None	QC Pass	None	None
Value				5.000		
Range				5.000%		

Sample Name: ICVB1 Run Time: 05/26/10 08:48

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.937	5.162	.00075	-.0058	2.0756	1.9897
Stddev	.016	.006	.00229	.0092	.0163	.0040
%RSD	.3197	.1253	304.55	156.6	.78604	.19914
#1	4.926	5.158	-.00087	-.0123	2.0872	1.9925
#2	4.948	5.167	.00237	.0006	2.0641	1.9869
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	5.000	5.000			2.0000	2.0000
Range	5.000%	5.000%			5.0000%	5.0000%
Int. Std.	Sc3572					
Units	Cts/S					
Avg	186.79					
Stddev	.12					
%RSD	.06242					
#1	186.70					
#2	186.87					

Method: 2010A

Sample Name: ICB

Operator:

Comment:

Run Time: 05/26/10 08:51 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	-.0083	.0047	-.00008	-.00001	.0005
Stddev	.0151	.0043	.0098	.00003	.00010	.0009
%RSD	94370.	51.71	207.4	42.057	965.15	161.3

#1	.0107	-.0114	-.0022	-.00011	.00006	.0012
#2	-.0107	-.0053	.0116	-.00006	-.00008	-.0001

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	-.0001	-.0013	.0012	.0004	-.0016	.0026
Stddev	.0003	.0007	.0006	.0007	.0016	.0038
%RSD	383.4	56.15	46.22	158.1	101.3	144.9

#1	.0002	-.0018	.0008	.0000	-.0004	.0053
#2	-.0003	-.0008	.0016	.0009	-.0027	-.0001

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	.00005	.00097	-.0018	-.0004	-.0143
Stddev	.0058	.00006	.00109	.0003	.0001	.0022
%RSD	173.6	127.94	112.30	15.35	14.75	15.64

#1	.0008	.00000	.00174	-.0016	-.0004	-.0127
#2	-.0075	.00009	.00020	-.0020	-.0004	-.0159

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	.0097	-.0006	.0020	.0027	.0016	-.0015
Stddev	.0127	.0049	.0034	.0003	.0016	.0012
%RSD	131.3	780.4	176.2	9.429	102.2	85.56

#1	.0186	.0029	-.0005	.0026	.0028	-.0023
#2	.0007	-.0041	.0044	.0029	.0004	-.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: 05/26/10 08:51

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033	.0019	-.00180	-.0029	-.00010	.00001
Stddev	.0094	.0001	.00035	.0224	.00012	.00009
%RSD	283.7	6.946	19.680	763.6	118.64	861.04
#1	.0099	.0020	-.00205	.0129	-.00002	.00007
#2	-.0033	.0019	-.00155	-.0188	-.00018	-.00005
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	184.58					
Stddev	.29					
%RSD	.15785					
#1	184.37					
#2	184.79					

Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 05/26/10 08:55 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.972	.0157	.0006	2.4931	.04981	-.0168
Stddev	.039	.0056	.0045	.0175	.00018	.0010
%RSD	.7842	35.49	774.3	.70083	.35492	6.076

#1	5.001	.0216	.0015	2.4686	.04982	-.0166
#2	4.935	.0146	.0066	2.5067	.04998	-.0175
#3	4.942	.0085	-.0035	2.4927	.04957	-.0154
#4	5.010	.0182	-.0022	2.5045	.04987	-.0176

Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	5.000%			5.0000%	5.0000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	25.36	.0017	-.0011	-.0015	24.84
Stddev	.0004	.12	.0007	.0004	.0018	.10
%RSD	16.41	.4692	39.10	39.06	120.8	.3990

#1	.0021	25.19	.0009	-.0010	-.0038	24.70
#2	.0022	25.35	.0020	-.0015	.0004	24.90
#3	.0026	25.47	.0024	-.0014	-.0021	24.82
#4	.0029	25.41	.0015	-.0006	-.0005	24.92

Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		5.000%				5.000%

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	25.04	4.964	-.0027	-.0029	9.995
Stddev	.0070	.09	.018	.0010	.0003	.032
%RSD	8743.	.3744	.3534	38.54	11.35	.3153

#1	.0077	25.02	4.940	-.0035	-.0028	10.02
#2	-.0073	25.02	4.982	-.0036	-.0031	9.961
#3	.0042	25.17	4.964	-.0023	-.0026	9.977
#4	-.0043	24.95	4.969	-.0014	-.0033	10.03

Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		5.000%	5.000%			5.000%

Sample Name: CCVB Run Time: 05/26/10 08:55

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0111	.0026	9.738	.0050	.0038	-.0001
Stddev	.0092	.0043	.028	.0027	.0015	.0004
%RSD	82.67	164.4	.2907	52.84	38.89	520.7

#1	.0094	.0082	9.737	.0051	.0058	.0000
#2	.0052	.0019	9.742	.0026	.0039	-.0006
#3	.0246	-.0022	9.702	.0087	.0026	.0004
#4	.0052	.0025	9.771	.0038	.0028	-.0001

Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			5.000%			

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.973	2.512	-.00060	-.0144	.49744	.50291
Stddev	.043	.004	.00126	.0067	.00266	.00112
%RSD	.4287	.1457	209.41	46.85	.53544	.22316

#1	9.913	2.507	-.00056	-.0116	.49868	.50169
#2	9.973	2.515	.00089	-.0062	.49455	.50408
#3	9.999	2.514	-.00219	-.0207	.49604	.50226
#4	10.01	2.511	-.00054	-.0190	.50051	.50361

Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	5.000%	5.000%			5.0000%	5.0000%

Int. Std.	Sc3572
Units	Cts/S
Avg	185.45
Stddev	.63
%RSD	.33777

#1	185.63
#2	184.59
#3	186.09
#4	185.47

Method: 2010A Sample Name: CCVA

Operator:

Comment:

Run Time: 05/26/10 09:00 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4620	2.471	2.445	.45767	.52572	.4963
Stddev	.0135	.010	.023	.00228	.00146	.0007
%RSD	2.931	.4183	.9494	.49819	.27684	.1310
#1	.4747	2.460	2.421	.45517	.52476	.4959
#2	.4459	2.466	2.451	.45833	.52681	.4959
#3	.4715	2.484	2.474	.46048	.52710	.4972
#4	.4558	2.475	2.434	.45667	.52419	.4959
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		5.000%	5.000%			5.000%
Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4921	2.457	.4940	.4948	.4936	.4901
Stddev	.0025	.010	.0036	.0023	.0053	.0020
%RSD	.5155	.4112	.7245	.4736	1.071	.4113
#1	.4905	2.446	.4911	.4917	.5000	.4886
#2	.4918	2.456	.4975	.4966	.4939	.4918
#3	.4958	2.470	.4965	.4966	.4870	.4918
#4	.4903	2.453	.4907	.4942	.4936	.4881
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.450	1.9803	.95982	.9795	.4928	4.928
Stddev	.011	.0066	.00244	.0052	.0020	.006
%RSD	.4366	.33476	.25392	.5267	.4152	.1211
#1	2.449	1.9761	.96266	.9738	.4933	4.930
#2	2.465	1.9741	.95996	.9842	.4928	4.922
#3	2.439	1.9888	.95997	.9836	.4951	4.936
#4	2.448	1.9824	.95670	.9765	.4901	4.925
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	5.000%	5.0000%	5.0000%	5.000%	5.000%	

Sample Name: CCVA Run Time: 05/26/10 09:00

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.439	.4892	.4615	2.412	.4921	.4927
Stddev	.025	.0049	.0037	.023	.0045	.0029
%RSD	1.013	1.007	.8002	.9414	.9095	.5870
#1	2.446	.4852	.4569	2.386	.4866	.4899
#2	2.455	.4851	.4652	2.439	.4913	.4931
#3	2.402	.4952	.4636	2.419	.4974	.4966
#4	2.453	.4911	.4603	2.404	.4932	.4913
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	5.000%	5.000%		5.000%	5.000%	5.000%
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0169	.2579	.49021	4.863	.00062	.00156
Stddev	.0083	.0021	.00280	.065	.00007	.00004
%RSD	49.21	.8012	.57187	1.344	10.508	2.3041
#1	-.0094	.2581	.49368	4.821	.00059	.00156
#2	-.0186	.2601	.48723	4.929	.00071	.00158
#3	-.0117	.2583	.48885	4.909	.00056	.00150
#4	-.0279	.2551	.49110	4.795	.00062	.00158
Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			5.0000%	5.000%		
Int. Std.	Sc3572					
Units	Cts/S					
Avg	189.11					
Stddev	.47					
%RSD	.25054					
#1	189.49					
#2	188.81					
#3	188.61					
#4	189.55					



Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 05/26/10

09:06 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	.0070	.0041	-.00010	.00002
Stddev	.0091	.0012	.0044	.00006	.00000
%RSD	634.8	17.74	108.8	58.687	9.4147

#1	.0050	.0061	.0009	-.00015	.00002
#2	-.0079	.0079	.0072	-.00006	.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	.0002	.0003	.0053	.0013	.0005
Stddev	.0005	.0003	.0007	.0010	.0003
%RSD	273.8	92.82	13.42	74.03	58.73

#1	-.0002	.0001	.0048	.0020	.0007
#2	.0005	.0004	.0058	.0006	.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	.0023	.0003	.0047	.00023	.00067
Stddev	.0006	.0010	.0050	.00002	.00000
%RSD	28.23	311.4	107.1	7.8196	.16970

#1	.0018	.0010	.0011	.00024	.00067
#2	.0027	-.0004	.0083	.00022	.00067

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	.0012	.0008	-.0066	.0035	.0013
Stddev	.0004	.0005	.0039	.0039	.0000
%RSD	30.08	67.97	59.31	113.0	.1549

#1	.0010	.0011	-.0038	.0062	.0013
#2	.0015	.0004	-.0093	.0007	.0013

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: 05/26/10 09:06

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0140	.0019	-.0010	.0036
Stddev	.0005	.0026	.0017	.0002	.0022
%RSD	235.5	18.55	86.80	18.77	62.17

#1	.0006	.0159	.0031	-.0011	.0020
#2	-.0001	.0122	.0007	-.0008	.0052

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	-.0008	.00014	.0066	-.00022	.00003
Stddev	.0003	.00090	.0196	.00051	.00003
%RSD	32.07	638.82	298.2	226.81	116.10

#1	-.0010	.00077	.0204	.00013	.00001
#2	-.0007	-.00049	-.0073	-.00058	.00005

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	185.88
Stddev	1.04
%RSD	.55822

#1	185.15
#2	186.61

Method: 2010A

Sample Name: CRI **ICP7-41-A**

Operator:

Comment:

Run Time: 05/26/10 09:09

Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0605	.0442	.0846	.00464	.00452	.0481
Stddev	.0241	.0006	.0009	.00015	.00002	.0004
%RSD	39.82	1.427	1.078	3.2488	.42054	.8634
#1	.0775	.0438	.0840	.00454	.00453	.0484
#2	.0434	.0446	.0853	.00475	.00451	.0478
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	.0043	.0429	.0047	.0103	.0096	.0204
Stddev	.0001	.0014	.0005	.0008	.0004	.0006
%RSD	1.374	3.341	11.21	7.448	4.441	2.771
#1	.0044	.0419	.0044	.0097	.0099	.0208
#2	.0043	.0439	.0051	.0108	.0093	.0200
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	.0437	.01737	.00469	.0076	.0196	.4069
Stddev	.0002	.00013	.00013	.0002	.0003	.0090
%RSD	.5378	.72285	2.8142	1.990	1.343	2.210
#1	.0439	.01728	.00460	.0075	.0194	.4133
#2	.0435	.01746	.00478	.0077	.0198	.4006
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	.0946	.0066	.2013	.0328	.0082	.0087
Stddev	.0195	.0009	.0023	.0042	.0015	.0007
%RSD	20.67	13.50	1.163	12.90	18.34	8.578
#1	.0808	.0073	.2029	.0298	.0093	.0093
#2	.1084	.0060	.1996	.0358	.0071	.0082
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: 05/26/10 09:09

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1832	.3838	.00741	.1495	.00985	.00881
Stddev	.0132	.0023	.00139	.0251	.00027	.00004
%RSD	7.179	.6061	18.746	16.81	2.7494	.49824
#1	.1925	.3821	.00643	.1673	.01004	.00884
#2	.1739	.3854	.00840	.1317	.00966	.00878
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	188.15					
Stddev	.84					
%RSD	.44527					
#1	187.56					
#2	188.75					

Method: 2010A Sample Name: ICESA *ICP7-43-B* Operator:  
 Comment:  
 Run Time: 05/26/10 09:12 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	511.5	.0678	-.0015	-.00012	.00003	-.1824
Stddev	.7	.0216	.0084	.00007	.00003	.0009
%RSD	.1361	31.81	571.2	56.041	125.31	.5066

#1	512.0	.0525	.0045	-.00007	.00005	-.1831
#2	511.0	.0830	-.0075	-.00017	.00000	-.1818

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	.0121	488.6	-.0025	.0002	.0021	201.1
Stddev	.0002	.9	.0016	.0008	.0020	.8
%RSD	1.473	.1794	64.39	448.0	92.88	.4056

#1	.0120	489.3	-.0036	-.0004	.0036	200.5
#2	.0123	488.0	-.0013	.0008	.0007	201.6

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	.0030	513.7	.00428	.0029	-.0021	-.0344
Stddev	.0092	1.0	.00015	.0024	.0006	.0130
%RSD	303.8	.1853	3.5985	82.95	27.56	37.89

#1	.0095	514.4	.00417	.0047	-.0025	-.0436
#2	-.0035	513.1	.00439	.0012	-.0017	-.0252

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	.0145	-.0005	.0820	-.0122	.0007	.0065
Stddev	.0098	.0038	.0014	.0011	.0029	.0000
%RSD	67.47	799.9	1.730	8.883	422.4	.1675

#1	.0214	.0022	.0830	-.0114	-.0014	.0065
#2	.0076	-.0032	.0810	-.0130	.0028	.0065

Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: ICSA Run Time: 05/26/10 09:12

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0357	-.0143	.01081	-.0597	.01030	.02076
Stddev	.0103	.0024	.00111	.0105	.00030	.00046
%RSD	28.84	16.92	10.304	17.65	2.9182	2.2223

#1	.0430	-.0126	.01160	-.0671	.01008	.02109
#2	.0284	-.0160	.01003	-.0522	.01051	.02044

Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	170.84
Stddev	.50
%RSD	.29140

#1	170.48
#2	171.19

Method: 2010A Sample Name: ICSAB *ICP-38-C* Operator:  
 Comment:  
 Run Time: 05/26/10 09:15 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	510.0	1.063	.0029	.47281	.53033	-.1761
Stddev	2.2	.036	.0085	.00145	.00153	.0006
%RSD	.4325	3.369	296.5	.30590	.28768	.3297

#1	508.4	1.038	.0089	.47179	.53141	-.1756
#2	511.5	1.088	-.0031	.47383	.52925	-.1765

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	.9863	489.4	.5025	.4864	.4839	198.8
Stddev	.0019	4.1	.0035	.0012	.0004	.2
%RSD	.1898	.8392	.7038	.2374	.0854	.1126

#1	.9850	486.5	.5050	.4872	.4842	198.6
#2	.9877	492.4	.5000	.4855	.4836	199.0

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	1.001	511.1	.45982	.0022	.9529	-.0452
Stddev	.017	.8	.00062	.0000	.0000	.0097
%RSD	1.648	.1601	.13573	1.690	.0003	21.44

#1	.9894	511.7	.45938	.0023	.9529	-.0383
#2	1.013	510.5	.46026	.0022	.9529	-.0521

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	.0151	.9974	.0645	-.0208	.5069	.9666
Stddev	.0291	.0022	.0045	.0123	.0029	.0017
%RSD	193.0	.2224	6.958	59.41	.5814	.1737

#1	.0357	.9990	.0677	-.0120	.5089	.9654
#2	-.0055	.9958	.0613	-.0295	.5048	.9678

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: 05/26/10 09:15

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0291	-.0048	.01075	-.0663	.01003	.02053
Stddev	.0069	.0030	.00123	.0443	.00054	.00040
%RSD	23.66	61.20	11.419	66.86	5.3342	1.9423

#1	.0243	-.0027	.01161	-.0977	.00965	.02081
#2	.0340	-.0069	.00988	-.0350	.01041	.02024

Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	172.56
Stddev	.60
%RSD	.34961

#1	172.14
#2	172.99



Method: 2010A Sample Name: ICSAB

Operator:

Comment:

Run Time: 05/26/10 09:18 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B 2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	507.5	1.067	-.0166	.46342	.52252	-.1731
Stddev	.7	.001	.0005	.00412	.00213	.0007
%RSD	.1340	.1121	3.247	.88803	.40835	.4056

#1	507.0	1.066	-.0162	.46051	.52403	-.1726
#2	507.9	1.068	-.0170	.46633	.52101	-.1736

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	.9663	485.8	.4907	.4759	.4926	195.2
Stddev	.0032	7.1	.0023	.0010	.0082	.9
%RSD	.3356	1.452	.4595	.2102	1.662	.4515

#1	.9640	480.8	.4892	.4752	.4868	194.5
#2	.9686	490.8	.4923	.4766	.4984	195.8

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	.9883	509.0	.45102	.0009	.9328	-.0361
Stddev	.0008	2.1	.00246	.0004	.0021	.0058
%RSD	.0815	.4194	.54490	47.57	.2215	16.01

#1	.9888	510.5	.44928	.0006	.9313	-.0402
#2	.9877	507.5	.45275	.0013	.9343	-.0320

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	.0430	.9924	.0633	-.0220	.4980	.9485
Stddev	.0028	.0107	.0013	.0052	.0008	.0080
%RSD	6.585	1.081	2.097	23.59	.1670	.8485

#1	.0450	.9999	.0642	-.0183	.4974	.9428
#2	.0410	.9848	.0623	-.0257	.4986	.9541

Check ?	None	QC Pass	None	None	QC Pass	QC Pass
Value		1.000			.5000	1.000
Range		20.00%			20.00%	20.00%

SC  
5/26/10

Sample Name: ICSAB Run Time: 05/26/10 09:18

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0194	-.0041	.01013	-.0639	.00989	.01982
Stddev	.0040	.0069	.00238	.0275	.00041	.00098
%RSD	20.46	169.6	23.503	42.98	4.1825	4.9449

#1	.0223	-.0089	.00845	-.0445	.01019	.02052
#2	.0166	.0008	.01181	-.0833	.00960	.01913

Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	174.73
Stddev	.46
%RSD	.26331

#1	174.41
#2	175.06

*3C  
5/26/10*

Method: 2010A      Sample Name: CCVB      Operator:  
 Comment:  
 Run Time: 05/26/10 09:21 Type: QC      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.028	.0046	-.0047	2.4907	.04961	-.0183
Stddev	.081	.0019	.0036	.0202	.00001	.0010
%RSD	1.601	40.18	75.44	.80907	.02095	5.541

#1	5.085	.0033	-.0022	2.5049	.04960	-.0190
#2	4.971	.0059	-.0073	2.4764	.04962	-.0176

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	.0027	25.67	.0031	-.0012	-.0012	25.20
Stddev	.0001	.18	.0004	.0008	.0020	.11
%RSD	4.348	.7115	13.60	62.85	165.7	.4464

#1	.0026	25.54	.0034	-.0007	.0002	25.27
#2	.0028	25.80	.0028	-.0018	-.0026	25.12

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	.0030	24.96	4.925	-.0012	-.0031	9.906
Stddev	.0031	.00	.007	.0001	.0005	.032
%RSD	102.5	.0129	.1334	4.780	15.56	.3241

#1	.0052	24.96	4.929	-.0012	-.0028	9.929
#2	.0008	24.96	4.920	-.0011	-.0035	9.884

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	.0024	9.805	.0094	.0033	.0010
Stddev	.0010	.0011	.067	.0008	.0015	.0000
%RSD	21.06	47.12	.6840	8.962	44.63	4.257

#1	.0039	.0032	9.853	.0100	.0022	.0009
#2	.0053	.0016	9.758	.0088	.0043	.0010

Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 05/26/10 09:21

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.964	2.498	.00023	-.0228	.49480	.49879
Stddev	.035	.005	.00087	.0130	.00274	.00166
%RSD	.3503	.2187	374.12	56.93	.55320	.33375
#1	9.989	2.502	.00085	-.0136	.49674	.49997
#2	9.939	2.494	-.00038	-.0319	.49286	.49761
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	185.15					
Stddev	.74					
%RSD	.40214					
#1	184.62					
#2	185.68					

Method: 2010A      Sample Name: CCVA      Operator:  
 Comment:  
 Run Time: 05/26/10 09:24 Type: QC      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4828	2.455	2.452	.45603	.51986	.4944
Stddev	.0220	.021	.003	.00117	.00133	.0010
%RSD	4.564	.8733	.1074	.25680	.25542	.1935
#1	.4984	2.439	2.450	.45686	.52080	.4950
#2	.4672	2.470	2.454	.45520	.51892	.4937
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	.4939	2.400	.4993	.4915	.5029	.4993
Stddev	.0008	.043	.0004	.0018	.0015	.0115
%RSD	.1575	1.779	.0773	.3714	.2955	2.303
#1	.4944	2.370	.4996	.4928	.5040	.5074
#2	.4933	2.430	.4990	.4902	.5019	.4912
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	2.432	1.9638	.96623	.9698	.4899	4.878
Stddev	.023	.0057	.00419	.0012	.0009	.005
%RSD	.9494	.28866	.43409	.1240	.1909	.0996
#1	2.416	1.9598	.96326	.9689	.4892	4.881
#2	2.449	1.9678	.96920	.9706	.4906	4.874
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	2.404	.4880	.4673	2.391	.4886	.4953
Stddev	.037	.0049	.0071	.011	.0007	.0011
%RSD	1.560	1.008	1.513	.4556	.1414	.2254
#1	2.377	.4845	.4723	2.383	.4891	.4945
#2	2.430	.4915	.4623	2.399	.4881	.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: 05/26/10 09:24

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.2539	.48923	4.871	.00012	.00167
Stddev	.0080	.0012	.00136	.024	.00018	.00007
%RSD	4067.	.4785	.27761	.4913	153.03	4.4084

#1	.0059	.2530	.48827	4.888	.00024	.00173
#2	-.0055	.2547	.49019	4.855	-.00001	.00162

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	188.70
Stddev	.76
%RSD	.40384

#1	188.16
#2	189.24

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 05/26/10 09:27 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036	.0109	.0028	-.00004	.00008	.0003
Stddev	.0261	.0080	.0142	.00018	.00004	.0000
%RSD	735.7	73.68	502.7	431.96	51.750	14.77

#1	-.0149	.0166	-.0072	-.00017	.00011	.0003
#2	.0220	.0052	.0129	.00009	.00005	.0003

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	.0000	.0008	.0011	.0004	.0023
Stddev	.0005	.005	.0001	.0004	.0010	.0004
%RSD	295.8	111500.	16.25	34.30	254.0	18.42

#1	.0002	-.0033	.0009	.0008	.0010	.0026
#2	-.0005	.0033	.0008	.0013	-.0003	.0020

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	-.0058	.00034	.00077	.0002	-.0003	-.0008
Stddev	.0030	.00010	.00016	.0008	.0002	.0028
%RSD	52.36	28.593	20.175	330.9	66.52	359.2

#1	-.0079	.00041	.00088	.0008	-.0002	.0012
#2	-.0036	.00027	.00066	-.0003	-.0005	-.0027

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	.0022	-.0032	.0057	-.0005	-.0008
Stddev	.0029	.0031	.0027	.0023	.0020	.0005
%RSD	106.0	141.4	84.61	40.66	407.1	68.91

#1	.0048	.0000	-.0052	.0073	-.0019	-.0004
#2	.0007	.0044	-.0013	.0040	.0009	-.0012

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: 05/26/10 09:27

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0020	-.00234	.0176	.00020	.00008
Stddev	.0078	.0021	.00296	.0223	.00026	.00002
%RSD	644.8	104.4	126.45	126.4	129.46	18.939
#1	-.0068	.0005	-.00025	.0334	.00038	.00009
#2	.0043	.0035	-.00443	.0019	.00002	.00007
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	186.03					
Stddev	.04					
%RSD	.02395					
#1	186.00					
#2	186.06					



Method: 2010A      Sample Name: K1004575-MB      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 09:50 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0050	-.0005	.0066	.00005	.00000
#1	.0036	-.0018	.0041	-.00009	.00001
#2	-.0135	.0008	.0091	.00019	-.00001
Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0002	.0013	.0001	-.0006
#1	.0005	-.0004	.0099	.0003	-.0009
#2	.0003	.0007	-.0073	.0000	-.0003
Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0001	-.0051	.00006	-.00003
#1	.0012	.0003	-.0071	.00006	-.00005
#2	-.0013	-.0005	-.0032	.00006	.00000
Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0019	-.0003	-.0081	-.0028	.0030
#1	-.0023	.0004	-.0123	.0035	.0047
#2	-.0016	-.0010	-.0039	-.0090	.0013
Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0025	.0008	.0040	-.0012	.2170
#1	-.0034	.0051	.0032	-.0013	.2230
#2	-.0016	-.0034	.0049	-.0011	.2110
Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0042	-.00316	.0185	-.00032	-.00009
#1	.0041	-.00366	.0148	-.00042	-.00008
#2	.0043	-.00266	.0223	-.00021	-.00009
Int. Std.	Sc3572				
Units	Cts/S				
Avg	185.94				
#1	185.59				
#2	186.29				

Method: 2010A      Sample Name: LCSW      Operator: JC  
 Comment:      K1004575      (202239)      (052610A)  
 Run Time: 05/26/10 09:53 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.034	2.608	2.556	5.0790	.12491	1.027
#1	5.034	2.613	2.550	5.0810	.12509	1.025
#2	5.035	2.603	2.562	5.0771	.12473	1.028
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.255	12.39	.5147	1.260	.6388	2.504
#1	1.256	12.35	.5164	1.261	.6376	2.496
#2	1.254	12.43	.5130	1.258	.6401	2.511
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.522	12.51	1.2228	1.006	1.254	12.73
#1	2.521	12.50	1.2322	1.002	1.253	12.80
#2	2.523	12.52	1.2133	1.009	1.255	12.66
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.525	.6180	12.70	.0105	1.259	1.261
#1	2.488	.6142	12.86	.0125	1.266	1.261
#2	2.561	.6218	12.55	.0085	1.253	1.262
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2327	.0114	-.00085	2.461	.00044	.00702
#1	.2397	.0102	-.00142	2.467	.00012	.00705
#2	.2256	.0127	-.00027	2.455	.00077	.00699
Int. Std.	Sc3572					
Units	Cts/S					
Avg	184.17					
#1	183.58					
#2	184.75					

Method: 2010A      Sample Name: K1004575-001      Operator: JC  
 Comment:      (202239) (052610A)  
 Run Time: 05/26/10 09:56 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.067	.0155	.0045	.15045	-.00003	.0046
#1	1.066	.0203	.0045	.14994	-.00002	.0042
#2	1.069	.0106	.0045	.15096	-.00004	.0050
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	58.02	.0017	.0053	.0015	2.066
#1	.0015	57.61	.0016	.0050	.0018	2.062
#2	.0010	58.42	.0018	.0055	.0012	2.069
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055	22.78	.55958	.0065	.0040	7.219
#1	.0109	22.76	.55764	.0089	.0042	7.257
#2	.0001	22.79	.56152	.0040	.0038	7.181
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0361	.0014	31.92	.0046	.0043	.0064
#1	.0326	.0028	32.13	.0061	.0029	.0068
#2	.0395	.0000	31.71	.0031	.0057	.0059
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3200	32.82	.06479	-.0145	.01522	.28726
#1	.3240	32.80	.06468	-.0221	.01529	.28813
#2	.3159	32.84	.06491	-.0070	.01514	.28640
Int. Std.	Sc3572					
Units	Cts/S					
Avg	184.22					
#1	183.88					
#2	184.57					

Method: 2010A      Sample Name: K1004575-001D      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 09:59 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.079	-.0047	.0098	.15250	.00001	.0041
#1	1.077	-.0077	.0146	.15334	.00002	.0038
#2	1.080	-.0016	.0051	.15166	.00000	.0044
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	58.67	.0039	.0057	.0024	2.091
#1	.0011	58.47	.0044	.0063	.0020	2.100
#2	.0008	58.88	.0034	.0050	.0027	2.081
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	22.82	.56342	.0051	.0033	7.305
#1	.0134	22.89	.56517	.0041	.0032	7.294
#2	-.0020	22.74	.56167	.0060	.0034	7.315
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050	-.0015	32.48	.0026	.0067	.0076
#1	.0009	.0012	32.75	.0000	.0073	.0085
#2	.0092	-.0042	32.21	.0052	.0060	.0067
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3207	33.10	.06770	.0012	.01565	.29003
#1	.3184	33.13	.06583	-.0036	.01567	.29145
#2	.3229	33.07	.06958	.0060	.01563	.28860
Int. Std.	Sc3572					
Units	Cts/S					
Avg	182.76					
#1	181.88					
#2	183.64					

Method: 2010A      Sample Name: K1004575-001L      Operator: JC  
 Comment:      1/5      (202239) (052610A)  
 Run Time: 05/26/10 10:01 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2163	.0022	-.0014	.03039	-.00006	.0006
#1	.2141	.0035	-.0030	.03036	-.00009	.0010
#2	.2185	.0009	.0001	.03041	-.00002	.0002
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	11.94	.0003	.0011	.0014	.4187
#1	.0001	11.93	.0001	.0016	.0017	.4198
#2	.0001	11.96	.0004	.0006	.0011	.4177
Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043	4.5129	.11294	-.0002	-.0004	1.405
#1	.0082	4.5285	.11325	.0000	-.0006	1.410
#2	.0005	4.4973	.11264	-.0005	-.0002	1.401
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097	.0028	6.035	-.0005	.0034	-.0001
#1	.0118	.0038	6.040	-.0004	.0032	.0002
#2	.0076	.0019	6.029	-.0006	.0037	-.0003
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0658	6.038	.01207	.0099	.00273	.05684
#1	.0670	6.042	.01111	-.0030	.00247	.05721
#2	.0645	6.034	.01304	.0228	.00298	.05648
Int. Std.	Sc3572					
Units	Cts/S					
Avg	188.31					
#1	187.67					
#2	188.94					

Method: 2010A      Sample Name: K1004575-001S      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:04 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.262	.4694	1.023	2.1417	.04793	1.030
#1	3.257	.4747	1.011	2.1437	.04788	1.031
#2	3.268	.4642	1.036	2.1397	.04798	1.029
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0493	58.72	.2003	.4817	.2395	3.256
#1	.0492	58.94	.2015	.4822	.2403	3.259
#2	.0494	58.49	.1992	.4811	.2387	3.252
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4672	23.03	1.0688	1.011	.4794	7.366
#1	.4672	23.15	1.0644	1.010	.4836	7.353
#2	.4671	22.92	1.0733	1.011	.4752	7.379
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9960	.0462	32.82	.0053	.4936	.4896
#1	.9981	.0454	32.91	-.0010	.4910	.4891
#2	.9939	.0470	32.73	.0116	.4962	.4900
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3448	33.62	.06342	.9541	.01578	.29274
#1	.3409	33.62	.06230	.9683	.01604	.29266
#2	.3488	33.63	.06453	.9400	.01552	.29283
Int. Std.	Sc3572					
Units	Cts/S					
Avg	182.84					
#1	182.66					
#2	183.03					

Method: 2010A      Sample Name: K1004575-002      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:07 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1323	.0092	.0145	.09900	-.00007	.0287
#1	.1302	.0018	.0101	.09869	-.00005	.0296
#2	.1344	.0166	.0189	.09931	-.00008	.0279
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	151.1	.0023	.0122	.0011	.1989
#1	.0009	150.6	.0022	.0117	.0012	.1996
#2	.0010	151.5	.0024	.0127	.0011	.1983
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0060	52.58	1.2011	.0384	.0132	14.73
#1	-.0069	52.80	1.1982	.0398	.0127	14.69
#2	-.0051	52.35	1.2040	.0370	.0136	14.77
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104	.0013	138.7	-.0005	.0046	.0010
#1	.0104	.0016	138.5	-.0045	.0012	.0009
#2	.0104	.0010	138.9	.0034	.0080	.0011
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3009	22.15	.00538	.0080	.01348	.85389
#1	.2972	22.25	.00537	-.0033	.01342	.85636
#2	.3046	22.06	.00540	.0194	.01355	.85143
Int. Std.	Sc3572					
Units	Cts/S					
Avg	182.26					
#1	182.04					
#2	182.47					

Method: 2010A      Sample Name: K1004575-003      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:10 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1273	.0034	.0155	.09864	-.00011	.0305
#1	.1188	.0008	.0126	.09904	-.00004	.0311
#2	.1358	.0060	.0183	.09825	-.00017	.0298
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	151.7	.0004	.0130	-.0015	.1802
#1	.0013	150.9	.0005	.0131	-.0030	.1808
#2	.0016	152.6	.0003	.0129	.0000	.1795
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	52.96	1.2078	.0353	.0121	14.91
#1	.0028	52.95	1.2115	.0366	.0127	14.92
#2	-.0043	52.98	1.2042	.0340	.0116	14.90
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083	.0032	140.2	.0102	.0058	.0014
#1	.0007	.0019	140.9	.0065	.0051	.0012
#2	.0159	.0044	139.6	.0139	.0064	.0015
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3066	22.14	.00507	.0033	.01358	.86630
#1	.2993	22.14	.00616	-.0015	.01393	.86881
#2	.3139	22.13	.00398	.0080	.01323	.86379
Int. Std.	Sc3572					
Units	Cts/S					
Avg	181.74					
#1	181.49					
#2	181.98					



Method: 2010A      Sample Name: K1004575-004      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:13 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0156	-.0005	.0000	-.00008	.00004	-.0001

#1	.0064	-.0035	-.0085	-.00041	.00007	-.0001
#2	.0248	.0026	.0085	.00026	.00001	-.0001

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0877	.0011	-.0002	.0016	.0026

#1	.0001	.0859	.0010	-.0003	.0012	.0028
#2	.0003	.0894	.0013	.0000	.0021	.0024

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0066	.00746	.00012	-.0012	-.0007	.0079

#1	-.0092	.00822	.00023	-.0018	-.0011	.0174
#2	-.0041	.00670	.00001	-.0005	-.0003	-.0015

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0159	.0022	.0257	.0033	.0009	.0001

#1	.0269	.0009	.0260	.0058	.0009	.0002
#2	.0048	.0035	.0255	.0009	.0010	.0000

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2300	.0109	-.00188	-.0001	-.00003	.00020

#1	.2347	.0112	-.00135	-.0114	.00000	.00024
#2	.2253	.0105	-.00242	.0111	-.00006	.00017

Int. Std.	Sc3572
Units	Cts/S
Avg	184.97

#1	184.33
#2	185.62

Method: 2010A      Sample Name: K1004635-001      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:16 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	.0081	-.0017	.06553	-.00003

#1	.0135	.0116	.0021	.06523	-.00004
#2	-.0149	.0046	-.0055	.06582	-.00002

Elem	B_2497	Cd2265	Ca2112	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0066	-.0003	104.8	.0014	.0021

#1	.0063	-.0002	104.5	.0006	.0017
#2	.0069	-.0003	105.0	.0021	.0026

Elem	Cu3247	Fe2599	Pb2203	Mg2025	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	.0202	.0031	33.34	.17435

#1	-.0010	.0199	.0009	33.41	.17442
#2	-.0010	.0204	.0053	33.27	.17429

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0117	.0020	6.135	.0083	.0033

#1	.0119	.0022	6.148	.0104	.0038
#2	.0114	.0018	6.122	.0062	.0029

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	26.86	.0018	.0038	.0000	.2237

#1	27.04	-.0041	.0047	-.0001	.2178
#2	26.69	.0076	.0030	.0001	.2295

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	19.13	-.00136	-.0125	.01169	.39288

#1	19.13	-.00145	-.0182	.01151	.39355
#2	19.14	-.00127	-.0068	.01187	.39221

Int. Std.	Sc3572
Units	Cts/S
Avg	182.51

#1	182.29
#2	182.73

Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 05/26/10 10:19 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.032	-.0002	-.0022	2.4912	.05012	-.0178
Stddev	.033	.0050	.0062	.0032	.00005	.0006
%RSD	.6459	2772.	280.8	.12878	.10238	3.426

#1	5.009	-.0037	.0022	2.4889	.05009	-.0182
#2	5.055	.0033	-.0066	2.4934	.05016	-.0174

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	.0023	25.34	.0021	-.0010	-.0011	25.13
Stddev	.0002	.06	.0005	.0023	.0005	.11
%RSD	7.610	.2278	24.60	221.3	49.67	.4193

#1	.0024	25.29	.0025	-.0026	-.0014	25.06
#2	.0021	25.38	.0017	.0006	-.0007	25.21

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	-.0060	25.12	4.957	-.0015	-.0038	9.956
Stddev	.0146	.22	.028	.0019	.0000	.059
%RSD	243.7	.8713	.5608	128.0	.8036	.5980

#1	.0043	24.96	4.937	-.0029	-.0038	9.998
#2	-.0163	25.27	4.977	-.0001	-.0038	9.914

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	-.0065	-.0008	9.780	.0102	.0044	.0003
Stddev	.0068	.0029	.041	.0009	.0021	.0005
%RSD	105.3	367.7	.4199	9.229	47.59	202.6

#1	-.0017	-.0028	9.810	.0109	.0059	-.0001
#2	-.0113	.0013	9.751	.0095	.0029	.0006

Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 05/26/10 10:19

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.963	2.513	.00056	-.0145	.49425	.50331
Stddev	.023	.002	.00088	.0092	.00263	.00129
%RSD	.2305	.0720	157.01	63.47	.53248	.25665
#1	9.946	2.512	.00118	-.0210	.49611	.50240
#2	9.979	2.514	-.00006	-.0080	.49239	.50423
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	184.71					
Stddev	.23					
%RSD	.12372					
#1	184.88					
#2	184.55					

Method: 2010A Sample Name: CCVA

Operator:

Comment:

Run Time: 05/26/10 10:22 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4708	2.448	2.454	.45603	.52703	.4969
Stddev	.0031	.002	.001	.00143	.00120	.0010
%RSD	.6632	.0769	.0466	.31382	.22797	.2054
#1	.4685	2.447	2.454	.45704	.52788	.4976
#2	.4730	2.449	2.453	.45502	.52618	.4961
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	.4925	2.425	.4935	.4924	.5043	.5036
Stddev	.0006	.010	.0024	.0041	.0004	.0099
%RSD	.1118	.4204	.4812	.8295	.0713	1.964
#1	.4922	2.418	.4952	.4953	.5046	.5106
#2	.4929	2.432	.4918	.4895	.5041	.4966
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	2.459	1.9799	.96289	.9764	.4915	5.015
Stddev	.000	.0016	.01027	.0003	.0001	.017
%RSD	.0047	.08281	1.0668	.0292	.0273	.3294
#1	2.459	1.9810	.97015	.9766	.4914	5.004
#2	2.459	1.9787	.95563	.9762	.4916	5.027
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	2.442	.4894	.4720	2.391	.4944	.4901
Stddev	.035	.0015	.0036	.008	.0032	.0025
%RSD	1.454	.3109	.7668	.3485	.6395	.5029
#1	2.467	.4883	.4695	2.397	.4922	.4918
#2	2.417	.4904	.4746	2.385	.4967	.4884
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: 05/26/10 10:22

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0118	.2637	.49145	4.881	.00016	.00169
Stddev	.0030	.0043	.00246	.017	.00022	.00006
%RSD	25.82	1.649	.50083	.3469	138.22	3.3820

#1	-.0140	.2667	.48971	4.869	.00000	.00165
#2	-.0097	.2606	.49320	4.893	.00032	.00174

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	188.53
Stddev	.25
%RSD	.13027

#1	188.36
#2	188.71

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 05/26/10 10:25 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0227	.0079	.0063	.00031	.00010	.0005
Stddev	.0130	.0136	.0022	.00015	.00006	.0002
%RSD	57.35	172.4	35.36	46.956	58.430	34.46

#1	.0135	.0175	.0047	.00042	.00006	.0004
#2	.0320	-.0017	.0079	.00021	.00014	.0006

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	.0091	.0009	.0009	.0028	.0036
Stddev	.0004	.0047	.0002	.0003	.0006	.0005
%RSD	86.08	50.97	21.14	30.76	22.40	13.27

#1	-.0008	.0124	.0007	.0007	.0024	.0039
#2	-.0002	.0058	.0010	.0011	.0033	.0033

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	.0010	.00283	.00084	.0022	-.0011	.0047
Stddev	.0034	.00000	.00007	.0012	.0002	.0132
%RSD	349.5	.01673	8.1951	53.02	16.83	284.1

#1	.0033	.00283	.00089	.0030	-.0010	-.0047
#2	-.0014	.00283	.00079	.0014	-.0012	.0140

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	.0055	.0036	.0027	-.0024	.0019	-.0003
Stddev	.0088	.0025	.0016	.0063	.0012	.0001
%RSD	159.1	67.63	59.12	260.1	65.44	23.31

#1	-.0007	.0019	.0015	.0020	.0010	-.0004
#2	.0117	.0054	.0038	-.0068	.0028	-.0003

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: 05/26/10 10:25

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0032	.0000	-.00140	.0120	.00022	.00007
Stddev	.0014	.0037	.00130	.0066	.00022	.00004
%RSD	43.17	29510.	93.033	55.01	101.78	53.882
#1	-.0042	.0026	-.00231	.0167	.00038	.00010
#2	-.0022	-.0026	-.00048	.0073	.00006	.00005
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	184.67					
Stddev	.00					
%RSD	.00137					
#1	184.68					
#2	184.67					



Method: 2010A      Sample Name: K1004635-002      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:28 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036	-.0018	.0094	.00014	-.00002	-.0003

#1	.0050	.0043	.0154	.00005	-.00002	-.0007
#2	.0021	-.0079	.0035	.00024	-.00002	.0002

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0761	.0010	.0003	.0018	.0040

#1	.0007	.0753	.0018	.0009	.0021	.0044
#2	.0004	.0769	.0002	-.0003	.0015	.0036

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0059	.01208	.00002	-.0020	.0016	.0077

#1	-.0040	.01216	-.00005	-.0009	.0011	.0128
#2	-.0079	.01200	.00009	-.0030	.0021	.0026

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041	.0032	.0366	.0034	.0005	.0002

#1	.0007	.0016	.0391	.0060	.0006	.0003
#2	.0076	.0047	.0341	.0008	.0004	.0001

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2333	.0073	-.00003	.0101	-.00013	.00032

#1	.2329	.0075	-.00105	.0185	-.00033	.00036
#2	.2336	.0070	.00098	.0016	.00007	.00028

Int. Std.	Sc3572
Units	Cts/S
Avg	183.62

#1	183.56
#2	183.68

Method: 2010A      Sample Name: K1004635-003      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:31 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1744	.0016	.0015	.27913	-.00006	.0102
#1	.1901	-.0032	.0040	.27970	-.00004	.0106
#2	.1587	.0064	-.0011	.27857	-.00009	.0098
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	130.8	.0015	.0060	-.0007	.4401
#1	.0004	130.2	.0024	.0062	-.0009	.4424
#2	.0011	131.4	.0006	.0058	-.0006	.4378
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	47.20	.06285	.0151	.0033	7.987
#1	.0037	47.26	.06298	.0158	.0030	7.980
#2	-.0017	47.15	.06272	.0144	.0035	7.994
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0166	.0005	127.3	-.0091	.0060	.0009
#1	.0242	.0022	127.7	-.0043	.0055	.0012
#2	.0090	-.0013	126.9	-.0140	.0064	.0007
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2674	21.70	.00716	.0095	.01938	.62964
#1	.2706	21.67	.00672	.0113	.01903	.63151
#2	.2642	21.73	.00761	.0077	.01973	.62777
Int. Std.	Sc3572					
Units	Cts/S					
Avg	181.89					
#1	181.22					
#2	182.56					

Method: 2010A Sample Name: RB Operator: JC  
 Comment: (202239) (052610A)  
 Run Time: 05/26/10 10:34 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0107	-.0009	-.0006	-.00014	-.00001

#1	-.0149	.0000	-.0041	-.00045	-.00001
#2	-.0064	-.0018	.0028	.00018	.00000

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0013	-.0003	.0071	.0000	.0002

#1	.0009	-.0004	.0089	-.0014	.0006
#2	.0017	-.0002	.0053	.0013	-.0003

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0008	-.0064	.00059	-.00011

#1	.0009	-.0006	-.0178	.00089	-.00005
#2	-.0004	-.0010	.0049	.00029	-.00017

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0015	.0002	.0115	.0000	-.0003

#1	-.0008	.0005	-.0081	-.0035	-.0025
#2	-.0022	-.0001	.0310	.0035	.0019

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0156	.0054	.0023	-.0005	-.0006

#1	.0163	.0049	.0034	-.0012	-.0018
#2	.0149	.0059	.0012	.0002	.0006

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0016	-.00151	.0018	-.00045	.00000

#1	.0029	-.00133	.0129	-.00065	.00000
#2	.0004	-.00168	-.0093	-.00025	.00000

Int. Std.	Sc3572
Units	Cts/S
Avg	185.08

#1	184.34
#2	185.82

Method: 2010A      Sample Name: K1005150-001      Operator: JC  
 Comment:      RERUN      (202239) (052610A)  
 Run Time: 05/26/10 10:38      Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.08	.0121	-.0045	.01760	.00051	.0010

#1	12.08	.0138	-.0114	.01748	.00051	.0010
#2	12.09	.0104	.0024	.01772	.00051	.0011

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1507	333.8	.0117	.1304	.4813	13.22

#1	.1505	331.3	.0125	.1289	.4828	13.21
#2	.1509	336.3	.0109	.1318	.4798	13.23

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0079	28.02	5.985	-.0015	1.037	1.702

#1	-.0108	27.94	5.975	-.0018	1.034	1.693
#2	-.0050	28.11	5.995	-.0011	1.041	1.710

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0190	.0032	4.393	.0059	.0034	18.09

#1	.0252	.0028	4.383	.0065	.0045	18.05
#2	.0127	.0035	4.402	.0052	.0023	18.13

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1582	11.18	-.00087	-.0145	.06444	1.5672

#1	.1580	11.14	-.00082	-.0173	.06444	1.5611
#2	.1584	11.22	-.00093	-.0117	.06443	1.5733

Int. Std.	Sc3572
Units	Cts/S
Avg	181.35

#1	181.63
#2	181.07

Method: 2010A      Sample Name: K1005157-001      Operator: JC  
 Comment: RERUN      (202239) (052610A)  
 Run Time: 05/26/10 10:41    Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.37	.0086	.0080	.01802	.00057	-.0002
#1	12.50	.0043	.0115	.01845	.00052	.0005
#2	12.23	.0130	.0045	.01759	.00063	-.0009
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1541	340.2	.0106	.1355	.4800	15.03
#1	.1559	342.0	.0093	.1345	.4786	15.19
#2	.1523	338.3	.0118	.1365	.4814	14.87
Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0035	28.60	6.079	-.0014	1.064	1.720
#1	-.0067	28.90	6.081	-.0015	1.073	1.710
#2	-.0002	28.29	6.077	-.0013	1.054	1.730
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0232	.0033	4.383	.0008	.0054	18.48
#1	.0309	.0032	4.401	-.0064	.0031	18.64
#2	.0156	.0035	4.364	.0080	.0076	18.31
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1856	11.41	.00057	-.0380	.06543	1.5892
#1	.1916	11.48	.00196	-.0401	.06591	1.5915
#2	.1795	11.33	-.00082	-.0360	.06495	1.5869
Int. Std.	Sc3572					
Units	Cts/S					
Avg	181.01					
#1	180.39					
#2	181.63					

Method: 2010A Sample Name: RB Operator: JC  
 Comment: (202239) (052610A)  
 Run Time: 05/26/10 10:43 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0156	-.0044	.0047	-.00004	-.00004	.0008

#1	.0121	-.0140	.0091	-.00021	-.00006	.0008
#2	.0191	.0052	.0003	.00013	-.00002	.0007

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0101	.0005	.0003	.0018	.0047

#1	.0000	.0023	.0010	.0004	.0009	.0085
#2	.0008	.0180	.0000	.0002	.0027	.0010

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0023	.00030	.00035	-.0008	.0003	-.0076

#1	-.0070	.00048	.00069	-.0013	.0005	.0010
#2	.0025	.00013	.00001	-.0002	.0002	-.0162

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0025	.0160	-.0028	-.0004	.0005

#1	.0007	.0029	.0146	-.0096	-.0019	.0016
#2	.0021	.0022	.0174	.0040	.0011	-.0006

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	.0021	-.00215	-.0002	-.00005	-.00001

#1	.0112	.0018	-.00447	-.0039	.00010	.00002
#2	.0002	.0024	.00017	.0035	-.00019	-.00003

Int. Std.	Sc3572
Units	Cts/S
Avg	184.36

#1	184.65
#2	184.06

Method: 2010A      Sample Name: K1004814-MB      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:47 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0078	-.0070	.0013	.00018	.00006

#1	-.0007	-.0097	.0041	-.00016	.00003
#2	-.0149	-.0044	-.0016	.00052	.00009

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0001	.0046	.0010	-.0004

#1	-.0008	.0001	.0069	.0015	-.0003
#2	-.0001	-.0002	.0023	.0004	-.0006

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0009	-.0015	.00006	.00001

#1	.0013	-.0008	-.0040	.00008	.00007
#2	.0009	-.0011	.0011	.00003	-.00005

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0023	.0009	-.0067	.0152	.0033

#1	-.0026	.0014	-.0175	.0242	.0016
#2	-.0020	.0004	.0041	.0062	.0051

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0014	.0005	-.0004	.2214

#1	.0022	.0070	.0005	-.0004	.2149
#2	-.0002	-.0042	.0004	-.0005	.2280

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.00308	-.0010	-.00009	-.00002

#1	.0007	-.00178	.0018	.00000	.00000
#2	.0000	-.00438	-.0038	-.00017	-.00005

Int. Std.	Sc3572
Units	Cts/S
Avg	185.24

#1	185.03
#2	185.45

Method: 2010A Sample Name: LCSW Operator: JC  
 Comment: K1004814 (202239) (052610A)  
 Run Time: 05/26/10 10:50 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.084	2.835	2.585	5.3318	.12889	1.049

#1	5.094	2.826	2.572	5.3252	.12896	1.048
#2	5.074	2.844	2.598	5.3384	.12882	1.050

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.284	12.52	.5249	1.288	.6442	2.578

#1	1.287	12.49	.5257	1.293	.6442	2.585
#2	1.282	12.55	.5240	1.284	.6442	2.570

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.590	12.69	1.2478	1.031	1.284	13.05

#1	2.602	12.72	1.2506	1.026	1.289	13.10
#2	2.579	12.66	1.2450	1.036	1.280	13.01

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.612	.6304	13.03	.0013	1.288	1.285

#1	2.623	.6285	13.11	.0071	1.291	1.284
#2	2.601	.6323	12.95	-.0045	1.286	1.287

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2123	.0072	.00121	2.576	-.00011	.00706

#1	.2216	.0078	.00298	2.574	-.00037	.00713
#2	.2029	.0066	-.00057	2.579	.00014	.00699

Int. Std.	Sc3572
Units	Cts/S
Avg	183.34

#1	182.51
#2	184.17



Method: 2010A      Sample Name: K1004814-003      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:52 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0257	.0092	.0236	.12398	-.00007	.0143

#1	.0292	.0087	.0236	.12408	-.00006	.0137
#2	.0221	.0096	.0236	.12389	-.00008	.0149

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	93.40	.0029	.0005	.0057	.0873

#1	.0003	92.93	.0045	.0017	.0059	.0891
#2	.0003	93.86	.0013	-.0007	.0056	.0855

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0089	42.09	.00128	.0015	-.0005	7.043

#1	-.0065	42.18	.00136	.0021	-.0013	7.028
#2	-.0113	42.00	.00121	.0010	.0003	7.059

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0131	.0005	42.76	-.0026	.0071	.0824

#1	.0076	.0019	42.66	-.0051	.0095	.0819
#2	.0186	-.0009	42.85	-.0001	.0047	.0828

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4004	16.33	.00206	-.0078	.02073	.56654

#1	.4016	16.33	.00278	-.0098	.02082	.56664
#2	.3991	16.32	.00134	-.0059	.02064	.56643

Int. Std.	Sc3572
Units	Cts/S
Avg	183.10

#1	182.56
#2	183.63

Method: 2010A      Sample Name: K1004814-003D      Operator: JC  
 Comment:            (202239) (052610A)  
 Run Time: 05/26/10 10:55 Type: Unk      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0420	.0009	.0132	.12235	-.00002	.0147
#1	.0406	.0018	.0053	.12251	-.00006	.0150
#2	.0434	.0000	.0211	.12218	.00002	.0144
Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	93.16	.0036	.0005	.0063	.1033
#1	.0006	92.90	.0035	.0004	.0071	.1028
#2	.0008	93.41	.0036	.0006	.0056	.1038
Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0044	41.63	.00104	.0015	-.0007	6.936
#1	-.0100	41.69	.00103	.0021	-.0014	6.935
#2	.0013	41.57	.00106	.0008	.0000	6.938
Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0166	.0025	42.30	.0040	.0050	.0827
#1	.0076	.0032	42.37	.0009	.0040	.0833
#2	.0256	.0019	42.23	.0070	.0060	.0821
Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4093	16.15	.00074	-.0059	.02060	.55942
#1	.4059	16.16	-.00083	.0072	.02083	.56066
#2	.4126	16.15	.00232	-.0191	.02037	.55817
Int. Std.	Sc3572					
Units	Cts/S					
Avg	183.28					
#1	183.33					
#2	183.24					

Method: 2010A Sample Name: CCVB

Operator:

Comment:

Run Time: 05/26/10 10:58 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.006	.0046	.0091	2.5154	.04997	-.0176
Stddev	.007	.0019	.0071	.0057	.00017	.0002
%RSD	.1359	40.32	77.76	.22758	.34141	1.297

#1	5.001	.0060	.0041	2.5195	.05009	-.0178
#2	5.010	.0033	.0142	2.5114	.04985	-.0175

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	25.53	.0022	-.0013	.0010	25.25
Stddev	.0003	.18	.0006	.0003	.0011	.14
%RSD	18.17	.7237	27.40	22.41	110.8	.5356

#1	.0019	25.40	.0027	-.0011	.0017	25.34
#2	.0014	25.66	.0018	-.0015	.0002	25.15

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	-.0086	25.14	4.966	-.0010	-.0038	9.917
Stddev	.0049	.04	.031	.0009	.0012	.011
%RSD	56.84	.1715	.6307	95.40	31.51	.1074

#1	-.0120	25.17	4.989	-.0003	-.0046	9.925
#2	-.0051	25.11	4.944	-.0016	-.0030	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	.0156	.0008	9.831	.0050	.0056	.0004
Stddev	.0068	.0016	.058	.0024	.0011	.0005
%RSD	43.80	198.4	.5938	47.74	20.21	109.2

#1	.0205	.0019	9.872	.0033	.0064	.0008
#2	.0108	-.0003	9.789	.0067	.0048	.0001

Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 05/26/10 10:58

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.969	2.515	.00222	-.0212	.49483	.50498
Stddev	.011	.005	.00067	.0077	.00096	.00249
%RSD	.1064	.2014	30.062	36.22	.19475	.49373
#1	9.962	2.518	.00269	-.0158	.49551	.50675
#2	9.977	2.511	.00175	-.0266	.49415	.50322
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	183.98					
Stddev	1.06					
%RSD	.57489					
#1	183.23					
#2	184.73					

Method: 2010A      Sample Name: CCVA      Operator:  
 Comment:  
 Run Time: 05/26/10 11:01 Type: QC      Mode: CONC      Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4630	2.452	2.411	.45783	.53097	.4981
Stddev	.0020	.012	.004	.00015	.00219	.0004
%RSD	.4402	.4799	.1633	.03263	.41186	.0770

#1	.4644	2.460	2.408	.45772	.53252	.4983
#2	.4615	2.444	2.414	.45794	.52942	.4978

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	.4951	2.462	.4955	.4954	.5007	.5098
Stddev	.0005	.008	.0019	.0003	.0028	.0116
%RSD	.1017	.3377	.3848	.0650	.5530	2.281

#1	.4947	2.468	.4968	.4957	.5026	.5180
#2	.4954	2.456	.4941	.4952	.4987	.5016

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	2.453	1.9790	.96813	.9806	.4950	4.949
Stddev	.004	.0041	.00666	.0011	.0007	.043
%RSD	.1840	.20779	.68769	.1125	.1487	.8750

#1	2.456	1.9819	.96342	.9798	.4955	4.919
#2	2.449	1.9761	.97283	.9814	.4945	4.980

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	2.431	.4907	.4753	2.401	.4989	.4905
Stddev	.003	.0150	.0021	.018	.0005	.0036
%RSD	.1177	3.053	.4475	.7561	.1002	.7429

#1	2.429	.4801	.4738	2.414	.4986	.4880
#2	2.433	.5013	.4768	2.388	.4993	.4931

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: 05/26/10 11:01

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0072	.2584	.49676	4.883	.00014	.00173
Stddev	.0090	.0022	.00344	.010	.00028	.00001
%RSD	125.8	.8392	.69160	.2134	206.38	.62002
#1	-.0135	.2599	.49919	4.876	-.00006	.00173
#2	-.0008	.2569	.49433	4.891	.00033	.00174
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	187.66					
Stddev	.54					
%RSD	.29016					
#1	187.28					
#2	188.05					

Method: 2010A

Sample Name: CCB

Operator:

Comment:

Run Time: 05/26/10 11:04 Type: QC

Mode: CONC

Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085	.0061	.0047	-.00008	.00013	.0006
Stddev	.0071	.0050	.0036	.00014	.00006	.0009
%RSD	82.84	81.53	75.44	172.39	48.399	154.7

#1	.0035	.0097	.0022	-.00018	.00008	.0012
#2	.0135	.0026	.0072	.00002	.00017	-.0001

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	.0033	.0008	.0004	.0001	.0036
Stddev	.0002	.0007	.0008	.0004	.0010	.0002
%RSD	68.07	21.72	93.42	100.7	1296.	4.731

#1	.0005	.0038	.0003	.0001	-.0006	.0038
#2	.0002	.0028	.0014	.0007	.0007	.0035

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	-.0003	.00299	.00088	.0009	-.0010	-.0154
Stddev	.0009	.00001	.00013	.0025	.0002	.0209
%RSD	261.5	.38937	14.321	270.5	22.49	135.6

#1	-.0010	.00298	.00096	.0027	-.0008	-.0006
#2	.0003	.00299	.00079	-.0009	-.0011	-.0302

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	.0027	.0029	-.0019	-.0016	-.0013
Stddev	.0088	.0007	.0019	.0109	.0009	.0007
%RSD	637.1	24.83	66.36	562.1	54.29	53.32

#1	.0048	.0022	.0043	.0058	-.0010	-.0008
#2	-.0076	.0032	.0015	-.0097	-.0022	-.0018

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: 05/26/10 11:04

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0220	.0014	-.00018	.0073	-.00027	.00014
Stddev	.0058	.0003	.00112	.0132	.00025	.00001
%RSD	26.32	19.02	627.43	180.4	91.510	5.7173

#1	.0179	.0016	-.00097	-.0020	-.00010	.00014
#2	.0261	.0012	.00061	.0167	-.00044	.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	184.71
Stddev	.35
%RSD	.19070

#1	184.46
#2	184.96



Service Request # \_\_K1004635\_\_ <sup>JB 5/18/10</sup>  
Calibration \_\_051710AMS03\_\_,<sup>JB</sup> 051710DMS03, 051810BMS03  
QC in calibration \_\_051710DMS03\_\_  
QC Service Request # \_\_K1004575\_\_  
STARLIMS run # \_\_200725\_\_

## ICP-MS Data Review Form

	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. CCV's in control	<u>X</u>	<u>    </u>	<u>    </u>
4. CCB's and/or ICB's below MRL	<u>X</u>	<u>    </u>	<u>    </u>
5. Method blank below MRL	<u>X</u>	<u>    </u>	<u>    </u>
6. LCS in control	<u>X</u>	<u>    </u>	<u>    </u>
7. Spike and duplicate in control	<u>X</u>	<u>    </u>	<u>    </u>
8. All analytes within instrument linear range	<u>X</u>	<u>    </u>	<u>    </u>
9. Adequate rinse out time allowed	<u>X</u>	<u>    </u>	<u>    </u>
10. Internal standards in control	<u>X</u>	<u>    </u>	<u>    </u>
11. Interferences checked	<u>X</u>	<u>    </u>	<u>    </u>
12. Se over MRL	<u>    </u>	<u>X</u>	<u>    </u>
13. CRA run	<u>X</u>	<u>    </u>	<u>    </u>
14. Cd Correction Applied	<u>    </u>	<u>X</u>	<u>    </u>
15. ICSA and ICSAB in control	<u>X</u>	<u>    </u>	<u>    </u>
16. Serial dilution run	<u>X</u>	<u>    </u>	<u>    </u>
17. Post spike in control	<u>X</u>	<u>    </u>	<u>    </u>

Comments: 051710AMS03 = Report all analytes except Cu, V, Pb  
051710DMS03-JB 5/18/10 TUB, LCS Cu, V, Pb RG 5/27/10  
051810BMS03 = Cu, V, Pb

Primary Review by JB Date 5/18/10  
Secondary Review by 3 Date 5/18/10

R:\icp\misc\data review forms\icpms review form

### Performance Report

#### Sample details

Acquired at : 05/14/2010 10:54:45 AM

Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

#### Mass Calibration verification

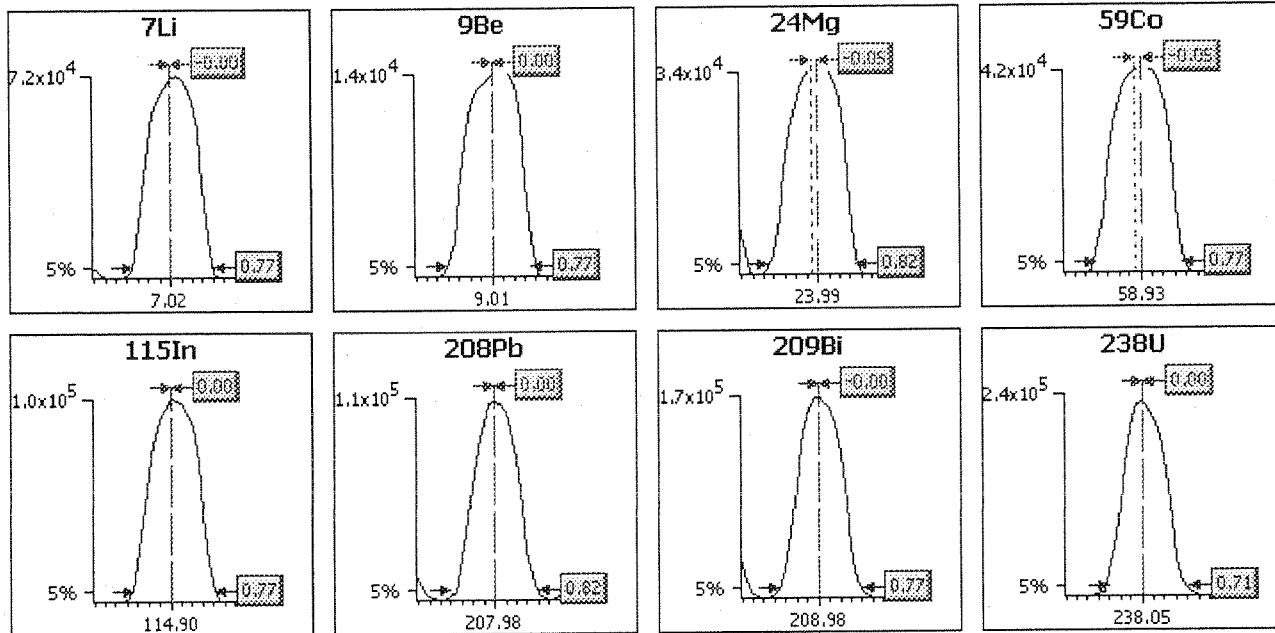
##### Acquisition parameters

Sweeps : 100

Dwell : 1.0 mSecs

Point spacing : 0.05 amu

Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.90	0.60	0.10	0.77	-0.00
9Be	0.90	0.60	0.10	0.77	0.00
24Mg	0.90	0.60	0.10	0.82	-0.05
59Co	0.90	0.60	0.10	0.77	-0.05
115In	0.90	0.60	0.10	0.77	0.00
208Pb	0.90	0.60	0.10	0.82	0.00
209Bi	0.90	0.60	0.10	0.77	-0.00
238U	0.90	0.60	0.10	0.71	0.00

**Sample details**

Acquired at : 05/14/2010 10:54:45 AM

Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

**Tune conditions**

Major		Minor		Global		Add. Gases	
Extraction	-106	Lens 2	-17.3	Standard resolution	115		
Lens 1	4.7	Lens 3	-182.7	High resolution	105		
Focus	20.2	Forward power	1200	Analogue Detector	2000		
D1	-37.6	Horizontal	111	PC Detector	3422		
Pole Bias	0.4	Vertical	19				
Hexapole Bias	4.9	D2	-151				
Nebuliser	0.71	DA	-42.4				
Sampling Depth	20	Cool	13.0				
		Auxiliary	0.67				

**Sensitivity and stability results**

**Acquisition parameters**

Sweeps : 400

Run	Time	58kg	7Li	9Be	24Mg	59Co	115In	140Ce	156Ce O	208Pb
<b>Dwell (mSecs)</b>		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Limits</b>	<b>%RSD</b>	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	-	5.0%
	<b>Countrate</b>	-	>1000	>1000	>1000	>1000	>1000	-	-	>1000
1	10:55:17 AM	0.000	69807.243	14608.478	35053.953	43992.185	104416.48	110520.00	2026.476	109328.22
2	10:56:30 AM	0.000	69913.555	14492.543	35109.165	44002.485	104249.08	110679.67	1994.719	109788.21
3	10:57:42 AM	0.000	70390.464	14540.619	35039.648	43935.160	104274.62	110592.12	1952.210	109612.10
4	10:58:55 AM	0.000	69862.918	14652.549	34998.992	43928.880	103728.93	110671.32	2003.721	108799.94
5	11:00:08 AM	0.000	70058.918	14455.985	35088.837	44331.076	104475.15	110861.11	1988.467	109396.28
x		0.000	70006.619	14550.035	35058.119	44037.957	104228.85	110664.84	1993.118	109384.95
σ		0.00	234.06	80.88	43.02	167.14	295.08	127.53	27.03	374.10
%RSD		0.000	0.334	0.556	0.123	0.380	0.283	0.115	1.356	0.342

Run	Time	209Bi	220Bkg	238U
<b>Dwell (mSecs)</b>		10.0	10.0	10.0
<b>Limits</b>	<b>%RSD</b>	5.0%	-	5.0%
	<b>Countrate</b>	>1000	-	>1000
1	10:55:17 AM	169701.02	0.250	234714.12
2	10:56:30 AM	170319.68	0.250	235851.24
3	10:57:42 AM	170194.62	0.000	235990.28
4	10:58:55 AM	170016.07	0.000	235649.36
5	11:00:08 AM	169851.28	0.000	236271.96
x		170016.53	0.100	235695.39
σ		250.23	0.14	593.44
%RSD		0.147	136.931	0.252

**Ratio results**

Run	Time	156Ce O/140Ce
<b>Ratio limits</b>		<0.0200
1	10:55:17 AM	0.018
2	10:56:30 AM	0.018
3	10:57:42 AM	0.018
4	10:58:55 AM	0.018
5	11:00:08 AM	0.018
x		0.0180
σ		0.00
%RSD		1.3844

Result : The performance report passed.

## Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	Cal. Blk	Blank	1.000	0	1	1	150
2	Cal. Stn	Fully Quant Standard	1.000	0	1	2	150
3	ICV1	Unknown	1.000	0	1	3	150
4	CCV1	Unknown	1.000	0	1	2	150
5	ICB1	Unknown	1.000	0	1	1	150
6	CCB1	Unknown	1.000	0	1	1	150
7	CRA	Unknown	1.000	0	1	4	150
8	ICSA	Unknown	1.000	0	1	5	150
9	ICSAB	Unknown	1.000	0	1	6	150
10	CRA	Unknown	1.000	0	1	4	150
11	K1004201-MB	Unknown	1.000	1	1	1	150
12	LCSW	Unknown	1.000	1	1	2	150
13	DLCSW	Unknown	1.000	1	1	3	150
14	K1004201-001	Unknown	1.000	1	1	4	150
15	K1004201-001D	Unknown	1.000	1	1	5	150
16	K1004201-001 1/5L	Unknown	1.000	1	1	6	150
17	K1004201-001A	Unknown	1.000	1	1	7	150
18	CCV2	Unknown	1.000	0	1	2	150
19	CCB2	Unknown	1.000	0	1	1	150
20	K1004201-001S	Unknown	1.000	1	1	8	150
21	K1004201-002	Unknown	1.000	1	1	9	150
22	K1004201-001 DISS	Unknown	1.000	1	1	10	150
23	K1004201-002 DISS	Unknown	1.000	1	1	11	150
24	K1004242-001	Unknown	1.000	1	1	12	150
25	K1004242-002	Unknown	1.000	1	2	1	150
26	K1004242-003	Unknown	1.000	1	2	2	150
27	K1004242-004	Unknown	1.000	1	2	3	150
28	K1004242-005	Unknown	1.000	1	2	4	150
29	K1004455-001	Unknown	1.000	1	2	5	150
30	CCV3	Unknown	1.000	0	1	2	150
31	CCB3	Unknown	1.000	0	1	1	150
32	K1004455-002	Unknown	1.000	1	2	6	150
33	K1004455-001 DISS	Unknown	1.000	1	2	7	150
34	K1004455-002 DISS	Unknown	1.000	1	2	8	150
35	K1004598-MB	Unknown	1.000	1	2	9	150
36	LCSW	Unknown	1.000	1	2	10	150
37	K1004598-002	Unknown	1.000	1	2	11	150
38	K1004598-002D	Unknown	1.000	1	2	12	150
39	K1004598-002S	Unknown	1.000	1	3	1	150
40	K1004598-003	Unknown	1.000	1	3	2	150
41	K1004598-004	Unknown	1.000	1	3	3	150
42	CCV4	Unknown	1.000	0	1	2	150
43	CCB4	Unknown	1.000	0	1	1	150
44	K1004560-001	Unknown	1.000	1	3	4	150
45	K1004603-001	Unknown	1.000	1	3	5	150
46	K1004607-001	Unknown	1.000	1	3	6	150
47	K1004607-001D	Unknown	1.000	1	3	7	150
48	K1004607-001S	Unknown	1.000	1	3	8	150
49	K1004611-002	Unknown	1.000	1	3	9	150
50	K1004611-003	Unknown	1.000	1	3	10	150
51	K1004611-004	Unknown	1.000	1	3	11	150
52	K1004611-006	Unknown	1.000	1	3	12	150
53	K1004611-008	Unknown	1.000	1	4	1	150
54	CCV5	Unknown	1.000	0	1	2	150
55	CCB5	Unknown	1.000	0	1	1	150
56	K1004738-MB	Unknown	1.000	1	4	2	150
57	LCSW	Unknown	1.000	1	4	3	150
58	K1004738-001	Unknown	1.000	1	4	4	150
59	K1004738-002	Unknown	1.000	1	4	5	150
60	K1004738-003	Unknown	1.000	1	4	6	150
61	K1004738-011	Unknown	1.000	1	4	7	150
62	K1004738-012	Unknown	1.000	1	4	8	150
63	K1004738-013	Unknown	1.000	1	4	9	150
64	K1004738-013D	Unknown	1.000	1	4	10	150
65	K1004738-013S	Unknown	1.000	1	4	11	150
66	CCV6	Unknown	1.000	0	1	2	150
67	CCB6	Unknown	1.000	0	1	1	150

68	K1004738-014	Unknown	1.000	1	4	12	150
69	K1004510-MB	Unknown	1.000	1	5	1	150
70	LCSW	Unknown	1.000	1	5	2	150
71	K1004510-001	Unknown	1.000	1	5	3	150
72	K1004510-001D	Unknown	1.000	1	5	4	150
73	K1004510-001S	Unknown	1.000	1	5	5	150
74	K1004510-002	Unknown	1.000	1	5	6	150
75	K1004510-003	Unknown	1.000	1	5	7	150
76	K1004510-005	Unknown	1.000	1	5	8	150
77	K1004510-001 DISS	Unknown	1.000	1	5	9	150
78	CCV7	Unknown	1.000	0	1	2	150
79	CCB7	Unknown	1.000	0	1	1	150
80	K1004510-002 DISS	Unknown	1.000	1	5	10	150
81	K1004510-003 DISS	Unknown	1.000	1	5	11	150
82	K1004575-001	Unknown	1.000	1	5	12	150
83	K1004575-001D	Unknown	1.000	2	1	1	150
84	K1004575-001S	Unknown	1.000	2	1	2	150
85	K1004575-002	Unknown	1.000	2	1	3	150
86	K1004575-003	Unknown	1.000	2	1	4	150
87	K1004575-004	Unknown	1.000	2	1	5	150
88	K1004635-001	Unknown	1.000	2	1	6	150
89	K1004635-002	Unknown	1.000	2	1	7	150
90	CCV8	Unknown	1.000	0	1	2	150
91	CCB8	Unknown	1.000	0	1	1	150
92	ICAS	Unknown	1.000	0	1	5	150
93	ICSAB	Unknown	1.000	0	1	6	150
94	CCV9	Unknown	1.000	0	1	2	150
95	CCB9	Unknown	1.000	0	1	1	150
96	K1004635-003	Unknown	1.000	2	1	8	150
97	K1004170-MB	Unknown	1.000	2	1	9	150
98	LCSW	Unknown	1.000	2	1	10	150
99	K1004170-001	Unknown	1.000	2	1	11	150
100	K1004170-001 1/5L	Unknown	1.000	2	1	12	150
101	K1004170-001A	Unknown	1.000	2	2	1	150
102	K1004544-018	Unknown	1.000	2	2	2	150
103	K1004544-018D	Unknown	1.000	2	2	3	150
104	K1004544-018S	Unknown	1.000	2	2	4	150
105	K1004116-MB	Unknown	1.000	2	2	5	150
106	CCV10	Unknown	1.000	0	1	4	150
107	CCB10	Unknown	1.000	0	1	3	150
108	LCSW	Unknown	1.000	2	2	6	150
109	K1004116-001	Unknown	1.000	2	2	7	150
110	K1004116-001D	Unknown	1.000	2	2	8	150
111	K1004116-001 1/5L	Unknown	1.000	2	2	9	150
112	K1004116-001A	Unknown	1.000	2	2	10	150
113	K1004116-001S	Unknown	1.000	2	2	11	150
114	K1004116-002	Unknown	1.000	2	2	12	150
115	K1004116-003	Unknown	1.000	2	3	1	150
116	K1004116-004	Unknown	1.000	2	3	2	150
117	K1004216-001	Unknown	1.000	2	3	3	150
118	CCV11	Unknown	1.000	0	1	4	150
119	CCB11	Unknown	1.000	0	1	3	150
120	K1004216-002	Unknown	1.000	2	3	4	150
121	K1004216-003	Unknown	1.000	2	3	5	150
122	K1004216-004	Unknown	1.000	2	3	6	150
123	K1004216-005	Unknown	1.000	2	3	7	150
124	K1004216-006	Unknown	1.000	2	3	8	150
125	K1004252-001	Unknown	1.000	2	3	9	150
126	K1004252-002	Unknown	1.000	2	3	10	150
127	K1004252-003	Unknown	1.000	2	3	11	150
128	K1004252-004	Unknown	1.000	2	3	12	150
129	K1004252-005	Unknown	1.000	2	4	1	150
130	CCV12	Unknown	1.000	0	1	4	150
131	CCB12	Unknown	1.000	0	1	3	150
132	K1004252-006	Unknown	1.000	2	4	2	150
133	K1004252-007	Unknown	1.000	2	4	3	150
134	K1004252-008	Unknown	1.000	2	4	4	150
135	K1004475-003	Unknown	1.000	2	4	5	150
136	50ppb Mo STD	Unknown	1.000	0	1	7	150
137	CCV13	Unknown	1.000	0	1	4	150

138 CCB13 Unknown 1.000 0 1 3 150

### Dilution Corrected Concentrations

Cal. Blk 05/14/2010 11:19:38 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:38	99.5%	0.0060	-0.0138	-0.0655	-0.0072	0.0844	0.0007	0.0026
2	11:20:35	100.4%	-0.0053	0.0087	0.0186	0.0114	0.0448	-0.0011	-0.0038
3	11:21:34	100.1%	-0.0007	0.0051	0.0469	-0.0042	-0.1292	0.0004	0.0012
x		100.0%	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
σ		0.5%	0.0057	0.0121	0.0585	0.0100	0.1136	0.0010	0.0034
%RSD		0.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:38	0.0107	-0.5260	0.0212	-0.0009	0.0027	0.0033	0.0088	0.0236
2	11:20:35	-0.0105	0.2404	0.0227	0.0067	0.0090	0.0028	0.0226	-0.0093
3	11:21:34	-0.0001	0.2856	-0.0439	-0.0058	-0.0118	-0.0060	-0.0314	-0.0143
x		0.0000	-0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
σ		0.0106	0.4561	0.0380	0.0063	0.0107	0.0052	0.0280	0.0206
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:38	99.5%	0.0126	-0.0454	0.1283	-0.0714	-0.0006	0.0010	0.0000
2	11:20:35	99.8%	0.0318	0.0014	-0.1441	0.2437	0.0012	0.0010	0.0000
3	11:21:34	100.7%	-0.0444	0.0440	0.0158	-0.1723	-0.0006	-0.0020	0.0000
x		100.0%	0.0000	-0.0000	-0.0000	0.0000	-0.0000	-0.0000	0.0000
σ		0.6%	0.0396	0.0447	0.1369	0.2170	0.0011	0.0017	0.0000
%RSD		0.6	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:38	99.3%	-0.0013	0.0004	0.0029	-0.0007	0.0009	99.8%	0.0002
2	11:20:35	100.2%	-0.0002	-0.0002	-0.0015	-0.0007	-0.0009	100.0%	0.0002
3	11:21:34	100.5%	0.0015	-0.0002	-0.0015	0.0014	-0.0000	100.2%	-0.0004
x		100.0%	0.0000	-0.0000	-0.0000	-0.0000	-0.0000	100.0%	0.0000
σ		0.6%	0.0014	0.0003	0.0025	0.0012	0.0009	0.2%	0.0004
%RSD		0.6	0.0000	0.0000	0.0000	0.0000	0.0000	0.2	0.0000
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:38	-0.0003	0.0035	-0.0069	-0.0074	99.3%	-0.0058	0.0027	-0.0003
2	11:20:35	0.0005	-0.0169	-0.0051	0.0048	100.7%	0.0022	-0.0004	0.0014
3	11:21:34	-0.0003	0.0134	0.0120	0.0026	100.0%	0.0037	-0.0022	-0.0011
x		0.0000	-0.0000	-0.0000	-0.0000	100.0%	0.0000	0.0000	-0.0000
σ		0.0005	0.0154	0.0105	0.0065	0.7%	0.0051	0.0025	0.0012
%RSD		0.0000	0.0000	0.0000	0.0000	0.7	0.0000	0.0000	0.0000
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	11:19:38	-0.0017	-0.0005	98.4%	0.0013				
2	11:20:35	0.0000	0.0001	100.6%	-0.0011				
3	11:21:34	0.0016	0.0003	101.1%	-0.0001				
x		0.0000	0.0000	100.0%	-0.0000				
σ		0.0016	0.0004	1.5%	0.0012				
%RSD		0.0000	0.0000	1.5	0.0000				

Cal. Stn 05/14/2010 11:24:04 AM

User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	11:24:04	98.3%	26.1117	26.0508	26.3190	26.4017	26.0673	25.9439	26.5717
2	11:25:03	100.2%	24.5084	24.7494	24.4881	24.5040	24.7636	24.5783	24.4835
3	11:26:00	99.4%	24.3799	24.1998	24.1929	24.0943	24.1691	24.4778	23.9448
x		99.3%	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000
σ		0.9%	0.9649	0.9506	1.1518	1.2311	0.9709	0.8190	1.3875
%RSD		0.9	3.8595	3.8023	4.6070	4.9243	3.8838	3.2759	5.5500
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	11:24:04	26.2584	26.5401	26.0979	26.3756	26.2244	25.9492	26.4395	25.6455
2	11:25:03	24.8144	25.4385	24.5455	24.6044	24.6203	24.9442	24.2798	24.7695
3	11:26:00	23.9272	23.0214	24.3566	24.0200	24.1553	24.1066	24.2807	24.5850
x		25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000
σ		1.1766	1.7999	0.9555	1.2267	1.0856	0.9226	1.2466	0.5666
%RSD		4.7064	7.1995	3.8221	4.9066	4.3423	3.6904	4.9865	2.2664
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	11:24:04	98.5%	25.8652	25.7820	26.2978	26.5603	25.5751	25.9234	25.8721
2	11:25:03	101.8%	25.5504	24.5457	23.8027	25.7427	24.8148	24.8222	24.2144
3	11:26:00	102.7%	23.5844	24.6723	24.8994	22.6970	24.6101	24.2544	24.9135
x		101.0%	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000
σ		2.2%	1.2360	0.6802	1.2506	2.0359	0.5085	0.8486	0.8322
%RSD		2.2	4.9441	2.7208	5.0023	8.1437	2.0339	3.3945	3.3288
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	11:24:04	97.9%	26.1770	25.8959	25.9917	25.8105	26.0316	97.8%	25.8849
2	11:25:03	101.4%	24.4266	24.4505	24.6599	24.7058	24.6572	103.2%	24.4687
3	11:26:00	100.2%	24.3964	24.6536	24.3484	24.4837	24.3112	102.9%	24.6464
x		99.8%	25.0000	25.0000	25.0000	25.0000	25.0000	101.3%	25.0000
σ		1.8%	1.0194	0.7825	0.8729	0.7106	0.9099	3.1%	0.7715
%RSD		1.8	4.0777	3.1299	3.4914	2.8425	3.6398	3.0	3.0860
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	11:24:04	25.9323	26.0028	25.7289	25.9540	97.9%	25.4500	25.6600	25.6580
2	11:25:03	24.4178	24.4675	24.6082	24.3422	103.6%	24.7916	24.5483	24.5143
3	11:26:00	24.6499	24.5297	24.6630	24.7038	102.9%	24.7584	24.7917	24.8277
x		25.0000	25.0000	25.0000	25.0000	101.5%	25.0000	25.0000	25.0000
σ		0.8156	0.8690	0.6318	0.8458	3.1%	0.3900	0.5844	0.5910
%RSD		3.2626	3.4761	2.5273	3.3830	3.0	1.5602	2.3375	2.3641
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	11:24:04	25.8044	25.6429	99.1%	25.6321				
2	11:25:03	24.2900	24.4953	102.3%	24.6272				
3	11:26:00	24.9056	24.8618	102.7%	24.7406				
x		25.0000	25.0000	101.4%	25.0000				
σ		0.7616	0.5862	2.0%	0.5504				
%RSD		3.0464	2.3447	1.9	2.2015				



ICV1 05/14/2010 11:28:06 AM

User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	11:28:06	98.1%	2.5660	97.3507	24.6008	9.7004	11.3175	24.6767	24.5365
2	11:29:05	98.1%	2.4035	95.9301	24.0950	9.5462	11.1352	24.5356	24.0598
3	11:30:03	98.1%	2.4922	95.9660	23.9235	9.4476	11.3356	24.9252	24.2673
x		98.1%	2.4872	96.4156	24.2065	9.5647	11.2627	24.7125	24.2879
σ		0.0%	0.0813	0.8100	0.3521	0.1274	0.1108	0.1972	0.2390
%RSD		0.0	3.2701	0.8402	1.4547	1.3322	0.9841	0.7981	0.9840
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	11:28:06	24.5750	26.6271	24.1075	12.0618	12.3885	25.5132	28.5375	27.0463
2	11:29:05	24.0068	24.9133	23.9941	12.3125	12.1789	25.2674	27.7964	26.2098
3	11:30:03	24.7250	25.9270	24.2751	12.3373	12.4720	25.1570	26.5561	26.7961
x		24.4356	25.8225	24.1255	12.2372	12.3465	25.3126	27.6300	26.6841
σ		0.3789	0.8616	0.1414	0.1524	0.1510	0.1823	1.0011	0.4293
%RSD		1.5504	3.3368	0.5861	1.2457	1.2230	0.7202	3.6233	1.6090
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	11:28:06	98.6%	23.5158	24.8220	24.9336	22.2000	24.7566	24.4997	24.4579
2	11:29:05	99.1%	23.1193	25.7106	24.8125	23.8680	24.1702	23.9696	23.7190
3	11:30:03	99.1%	23.0613	27.0253	23.5197	23.9710	24.0783	24.3521	23.7828
x		98.9%	23.2321	25.8526	24.4219	23.3463	24.3350	24.2738	23.9866
σ		0.2%	0.2473	1.1085	0.7837	0.9941	0.3680	0.2736	0.4094
%RSD		0.2	1.0647	4.2877	3.2091	4.2579	1.5121	1.1271	1.7069
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	11:28:06	99.0%	12.2353	12.4523	12.4699	12.6524	12.6947	99.2%	23.8589
2	11:29:05	99.7%	12.2586	12.2599	12.4104	12.5936	12.4832	100.8%	23.7737
3	11:30:03	98.9%	12.3827	12.1742	12.0234	12.7405	12.3940	100.7%	24.1581
x		99.2%	12.2922	12.2955	12.3012	12.6622	12.5240	100.2%	23.9302
σ		0.5%	0.0792	0.1424	0.2424	0.0739	0.1544	0.9%	0.2019
%RSD		0.5	0.6446	1.1583	1.9708	0.5840	1.2329	0.9	0.8435
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	11:28:06	23.6028	99.2023	98.8114	100.0525	99.9%	24.4721	24.2865	23.0243
2	11:29:05	23.5452	99.0612	100.4186	100.5203	101.4%	24.4656	24.5581	23.1643
3	11:30:03	24.0206	99.2097	99.4087	100.8740	102.6%	24.1122	24.1806	22.9613
x		23.7229	99.1577	99.5462	100.4823	101.3%	24.3500	24.3418	23.0500
σ		0.2595	0.0837	0.8124	0.4121	1.3%	0.2059	0.1947	0.1039
%RSD		1.0938	0.0844	0.8161	0.4101	1.3	0.8457	0.8000	0.4509
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	11:28:06	25.5364	24.3779	99.7%	24.7374				
2	11:29:05	26.0922	24.6907	100.9%	24.9013				
3	11:30:03	25.4450	24.3633	102.8%	24.6711				
x		25.6912	24.4773	101.1%	24.7699				
σ		0.3503	0.1849	1.6%	0.1185				
%RSD		1.3635	0.7555	1.6	0.4784				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:30	98.4%	26.1490	25.1621	25.6773	25.7541	26.2331	25.7567	25.9690
2	11:35:29	99.7%	24.2899	24.1882	24.1403	24.3109	24.5789	24.2879	24.7728
3	11:36:27	100.0%	23.8389	24.3223	24.4169	24.5581	24.2299	24.6960	24.8807
x		99.4%	24.7593	24.5576	24.7448	24.8744	25.0140	24.9136	25.2075
σ		0.8%	1.2245	0.5279	0.8193	0.7718	1.0701	0.7582	0.6617
%RSD		0.9	4.9456	2.1495	3.3111	3.1029	4.2782	3.0433	2.6250
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:30	26.2056	27.8862	27.0112	26.6551	26.3982	25.5749	25.6463	25.0278
2	11:35:29	24.4762	26.3563	24.5593	24.4433	24.4818	24.1826	25.1192	24.0477
3	11:36:27	24.3968	22.5671	24.5943	24.3407	25.1441	25.2323	25.6284	24.7780
x		25.0262	25.6032	25.3883	25.1464	25.3414	24.9966	25.4646	24.6178
σ		1.0222	2.7384	1.4056	1.3076	0.9733	0.7254	0.2993	0.5093
%RSD		4.0844	10.6954	5.5364	5.1999	3.8407	2.9021	1.1753	2.0688
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:30	96.9%	24.2614	26.9860	25.7039	24.1101	24.9863	25.0278	25.2336
2	11:35:29	100.9%	24.0970	25.4629	24.2833	24.4179	24.4554	24.2405	24.6989
3	11:36:27	98.8%	23.8811	25.2146	22.8109	25.4394	24.4493	23.8609	24.6657
x		98.9%	24.0798	25.8878	24.2660	24.6558	24.6303	24.3764	24.8661
σ		2.0%	0.1907	0.9591	1.4466	0.6958	0.3083	0.5952	0.3188
%RSD		2.0	0.7921	3.7048	5.9614	2.8221	1.2518	2.4416	1.2819
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:30	98.4%	25.6640	25.7925	25.5708	25.1848	25.3808	97.2%	25.2907
2	11:35:29	99.6%	24.4429	24.3193	24.5470	24.3305	24.4847	100.6%	24.7407
3	11:36:27	100.8%	24.3210	24.4545	24.3399	24.1454	24.1753	101.6%	24.4681
x		99.6%	24.8093	24.8554	24.8192	24.5536	24.6803	99.8%	24.8332
σ		1.2%	0.7427	0.8143	0.6591	0.5545	0.6261	2.3%	0.4190
%RSD		1.2	2.9935	3.2762	2.6556	2.2582	2.5369	2.3	1.6873
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:30	24.9608	25.1113	24.8896	25.2084	97.4%	25.3451	25.1663	25.2731
2	11:35:29	24.5076	24.3983	24.2793	24.5785	100.4%	24.6830	24.6165	24.5700
3	11:36:27	24.1476	24.6845	24.0916	24.3754	102.4%	24.5224	24.4504	24.6547
x		24.5387	24.7314	24.4202	24.7208	100.0%	24.8501	24.7444	24.8326
σ		0.4075	0.3588	0.4173	0.4344	2.5%	0.4361	0.3747	0.3838
%RSD		1.6605	1.4508	1.7087	1.7571	2.5	1.7548	1.5143	1.5455
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	11:34:30	25.3549	25.3639	96.3%	25.1463				
2	11:35:29	24.3786	24.5003	101.2%	24.4744				
3	11:36:27	24.4888	24.4158	102.8%	24.5653				
x		24.7408	24.7600	100.1%	24.7287				
σ		0.5347	0.5247	3.4%	0.3645				
%RSD		2.1612	2.1192	3.4	1.4740				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	11:49:24	99.7%	-0.0026	-0.0140	-0.1827	0.0474	-0.0768	0.0015	0.0047
2	11:50:23	101.2%	-0.0019	-0.0055	-0.0205	0.0158	-0.6464	0.0058	0.0043
3	11:51:20	99.5%	-0.0026	-0.0235	-0.1571	0.0020	-0.6109	-0.0033	-0.0040
x		100.1%	-0.0024	-0.0143	-0.1201	0.0217	-0.4447	0.0013	0.0017
σ		0.9%	0.0004	0.0090	0.0872	0.0233	0.3191	0.0045	0.0049
%RSD		0.9	16.2359	62.9949	72.5780	107.0858	71.7625	337.3030	288.4259
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	11:49:24	0.0107	1.0432	0.0462	0.1346	0.0073	-0.0177	-0.0234	-0.0443
2	11:50:23	-0.0028	-2.1426	0.0043	0.0506	0.0148	-0.0425	0.0005	-0.0391
3	11:51:20	0.0025	-0.4442	0.0091	0.0244	0.0039	-0.0294	0.0818	-0.0213
x		0.0035	-0.5145	0.0199	0.0699	0.0086	-0.0298	0.0197	-0.0349
σ		0.0068	1.5941	0.0229	0.0575	0.0056	0.0124	0.0552	0.0121
%RSD		195.5146	309.8082	115.4390	82.3589	64.6677	41.5364	280.5679	34.6833
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	11:49:24	99.4%	0.1236	-0.3494	0.0101	0.1394	0.0215	0.0128	0.0125
2	11:50:23	100.7%	0.1651	-0.1084	0.1252	0.4491	0.0193	0.0385	0.0345
3	11:51:20	100.6%	0.0999	0.1489	-0.5282	0.4879	0.0180	0.0367	0.0310
x		100.2%	0.1295	-0.1029	-0.1309	0.3588	0.0196	0.0293	0.0260
σ		0.7%	0.0330	0.2492	0.3488	0.1910	0.0018	0.0144	0.0118
%RSD		0.7	25.4451	242.0449	266.3616	53.2423	9.1823	48.9466	45.4540
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	11:49:24	99.7%	0.0004	0.0022	-0.0015	-0.0007	0.0000	97.9%	0.0055
2	11:50:23	102.0%	0.0020	0.0015	-0.0015	-0.0007	-0.0009	101.1%	0.0060
3	11:51:20	98.4%	0.0038	0.0051	-0.0015	0.0004	-0.0009	100.8%	0.0041
x		100.1%	0.0021	0.0029	-0.0015	-0.0004	-0.0006	99.9%	0.0052
σ		1.8%	0.0017	0.0019	0.0000	0.0006	0.0005	1.8%	0.0010
%RSD		1.8	82.3482	64.7242	0.0000	173.6495	89.1171	1.8	19.2523
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	11:49:24	-0.0002	-0.0028	0.0031	0.0079	98.4%	0.0127	0.0069	0.0066
2	11:50:23	0.0029	0.0129	-0.0034	0.0004	101.2%	0.0035	-0.0029	0.0074
3	11:51:20	0.0005	-0.0170	0.0060	0.0083	101.8%	0.0053	0.0037	0.0077
x		0.0011	-0.0023	0.0019	0.0055	100.5%	0.0072	0.0026	0.0072
σ		0.0016	0.0150	0.0048	0.0044	1.8%	0.0049	0.0050	0.0006
%RSD		154.3819	653.3125	254.0889	79.7711	1.8	67.9401	193.6429	8.0486
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	11:49:24	0.0117	0.0063	97.4%	-0.0001				
2	11:50:23	0.0127	0.0073	100.7%	-0.0008				
3	11:51:20	0.0052	0.0035	100.6%	0.0010				
x		0.0098	0.0057	99.5%	0.0001				
σ		0.0041	0.0020	1.9%	0.0009				
%RSD		41.1600	34.3387	1.9	1522.9904				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:53:52	98.8%	-0.0009	-0.0379	-0.0958	0.0210	-0.2055	-0.0061	-0.0016
2	11:54:50	99.6%	-0.0006	-0.0138	-0.1709	0.0429	-0.3173	-0.0006	-0.0009
3	11:55:49	98.6%	-0.0070	-0.0014	-0.0672	0.0155	-0.7448	-0.0039	-0.0036
x		99.0%	-0.0028	-0.0177	-0.1113	0.0265	-0.4225	-0.0036	-0.0020
σ		0.6%	0.0036	0.0186	0.0535	0.0145	0.2847	0.0028	0.0014
%RSD		0.6	128.0564	104.7912	48.0793	54.7067	67.3720	78.6501	68.0172
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:53:52	0.0060	0.1111	0.0771	0.1426	0.0214	-0.0204	0.0931	0.0143
2	11:54:50	0.0003	0.1379	-0.0203	0.0768	-0.0031	-0.0140	0.0980	0.0004
3	11:55:49	0.0024	-1.1900	-0.0395	0.0289	-0.0234	-0.0146	-0.2918	0.0054
x		0.0029	-0.3137	0.0058	0.0828	-0.0017	-0.0163	-0.0336	0.0067
σ		0.0029	0.7591	0.0625	0.0570	0.0224	0.0035	0.2236	0.0070
%RSD		100.4979	241.9840	1080.4525	68.9191	1333.3925	21.3712	665.9638	104.6727
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:53:52	97.0%	0.0978	-0.3357	0.0101	-0.1108	0.0162	0.0070	0.0103
2	11:54:50	98.5%	0.2694	-0.2406	0.0764	0.5989	0.0087	0.0249	0.0173
3	11:55:49	101.6%	0.2642	-0.1097	0.0376	0.7271	0.0197	0.0128	0.0194
x		99.0%	0.2105	-0.2287	0.0413	0.4051	0.0149	0.0149	0.0157
σ		2.4%	0.0976	0.1134	0.0333	0.4513	0.0056	0.0091	0.0047
%RSD		2.4	46.3916	49.6061	80.5872	111.4110	37.6560	61.3243	30.1364
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:53:52	98.8%	0.0033	0.0034	0.0007	0.0004	-0.0009	98.6%	0.0029
2	11:54:50	98.4%	0.0027	0.0016	0.0007	0.0025	0.0027	99.0%	0.0035
3	11:55:49	99.0%	0.0055	0.0027	0.0007	0.0004	-0.0009	100.0%	0.0022
x		98.7%	0.0038	0.0026	0.0007	0.0011	0.0003	99.2%	0.0028
σ		0.3%	0.0015	0.0009	0.0000	0.0012	0.0021	0.7%	0.0007
%RSD		0.3	38.9363	35.2519	1.6130	114.8232	673.1867	0.7	23.5884
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:53:52	-0.0002	-0.0028	0.0011	0.0060	97.4%	0.0028	-0.0006	0.0042
2	11:54:50	0.0022	-0.0031	-0.0011	0.0059	99.4%	0.0030	-0.0007	0.0088
3	11:55:49	0.0013	-0.0169	-0.0071	0.0011	101.4%	-0.0003	-0.0035	0.0011
x		0.0011	-0.0076	-0.0023	0.0044	99.4%	0.0019	-0.0016	0.0047
σ		0.0012	0.0081	0.0042	0.0028	2.0%	0.0019	0.0017	0.0038
%RSD		112.7192	105.8429	181.2668	64.2600	2.0	101.0005	104.9364	81.8507
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	11:53:52	0.0058	0.0061	97.0%	-0.0005				
2	11:54:50	0.0021	0.0059	98.4%	-0.0002				
3	11:55:49	0.0029	0.0023	102.1%	-0.0017				
x		0.0036	0.0048	99.2%	-0.0008				
σ		0.0020	0.0021	2.6%	0.0008				
%RSD		54.5079	44.2683	2.6	98.9804				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	11:58:22	99.5%	0.0211	2.1677	-0.0363	0.2153	0.0287	0.0794	0.0190
2	11:59:21	100.6%	0.0192	2.1082	0.1484	0.2205	-0.5443	0.0917	0.0171
3	12:00:20	98.6%	0.0195	2.1750	0.0644	0.1978	-0.4470	0.0872	0.0197
x		99.6%	0.0199	2.1503	0.0588	0.2112	-0.3208	0.0861	0.0186
σ		1.0%	0.0011	0.0367	0.0925	0.0119	0.3066	0.0062	0.0013
%RSD		1.0	5.3405	1.7052	157.1405	5.6440	95.5691	7.2039	7.1991
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	11:58:22	0.3137	0.4366	0.4074	0.3897	0.1931	0.6848	0.6296	0.6946
2	11:59:21	0.3755	-0.8948	0.3912	0.2921	0.1914	0.7677	0.9671	0.7693
3	12:00:20	0.3031	-1.7976	0.2932	0.2481	0.2376	0.6742	0.5837	0.7574
x		0.3308	-0.7519	0.3639	0.3100	0.2074	0.7089	0.7268	0.7404
σ		0.0391	1.1239	0.0618	0.0725	0.0262	0.0512	0.2094	0.0401
%RSD		11.8273	149.4698	16.9814	23.3751	12.6484	7.2189	28.8076	5.4142
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	11:58:22	98.0%	0.3611	0.7403	1.1611	-0.0035	0.0352	0.0552	0.0336
2	11:59:21	98.5%	0.4188	1.3928	1.0200	1.1264	0.0552	0.0397	0.0675
3	12:00:20	99.1%	0.6630	0.4648	1.0609	1.2260	0.0752	0.0661	0.0626
x		98.6%	0.4810	0.8660	1.0807	0.7830	0.0552	0.0537	0.0546
σ		0.6%	0.1603	0.4766	0.0726	0.6829	0.0200	0.0133	0.0183
%RSD		0.6	33.3199	55.0342	6.7177	87.2171	36.3172	24.7293	33.5764
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	11:58:22	97.6%	0.0266	0.0262	0.0186	0.0244	0.0173	97.5%	0.0521
2	11:59:21	99.0%	0.0187	0.0209	0.0182	0.0292	0.0204	100.0%	0.0547
3	12:00:20	99.5%	0.0215	0.0273	0.0051	0.0248	0.0220	100.5%	0.0460
x		98.7%	0.0223	0.0248	0.0139	0.0261	0.0199	99.3%	0.0510
σ		1.0%	0.0040	0.0034	0.0077	0.0027	0.0024	1.6%	0.0045
%RSD		1.0	18.0970	13.6064	55.2358	10.1717	12.1298	1.6	8.7567
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	11:58:22	0.0597	0.0353	0.0364	0.0666	97.7%	0.0257	0.0238	0.0288
2	11:59:21	0.0492	0.0403	0.0691	0.0553	108.4%	0.0209	0.0178	0.0294
3	12:00:20	0.0627	0.0365	0.0421	0.0677	101.0%	0.0270	0.0239	0.0261
x		0.0572	0.0374	0.0492	0.0632	99.7%	0.0245	0.0218	0.0281
σ		0.0071	0.0026	0.0175	0.0069	1.7%	0.0032	0.0035	0.0017
%RSD		12.3526	6.8964	35.4816	10.8943	1.8	13.2000	15.8954	6.2228
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	11:58:22	0.0226	0.0285	95.8%	0.0196				
2	11:59:21	0.0272	0.0285	100.4%	0.0189				
3	12:00:20	0.0346	0.0274	100.1%	0.0191				
x		0.0281	0.0281	98.8%	0.0192				
σ		0.0061	0.0006	2.6%	0.0004				
%RSD		21.5422	2.2692	2.6	2.0402				

*See Run 78 3/18/10*

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:07:32	82.8%	0.0011	20365.7500	-0.2780	0.3357	15.0707	1.2561	0.8525
2	12:08:30	81.7%	0.0038	20543.2990	-0.0935	0.3236	15.0438	1.2619	0.8552
3	12:09:29	82.7%	0.0077	19465.3800	0.1865	0.2650	13.6816	1.2490	0.8231
x		82.4%	0.0042	20124.8100	-0.0617	0.3081	14.5987	1.2556	0.8436
σ		0.6%	0.0034	577.9414	0.2339	0.0378	0.7944	0.0065	0.0178
%RSD		0.7	79.8368	2.8718	379.3391	12.2686	5.4414	0.5145	2.1135
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:07:32	1.5811	48.8564	3.5097	0.5026	0.7822	1.5454	1.7176	1.0549
2	12:08:30	1.5442	44.6595	3.3583	0.4603	0.7487	1.4969	2.0668	1.1975
3	12:09:29	1.6434	43.2979	3.2405	0.4093	0.7177	1.5682	2.0143	1.1737
x		1.5896	45.6046	3.3695	0.4574	0.7495	1.5368	1.9329	1.1420
σ		0.0501	2.8972	0.1349	0.0467	0.0323	0.0364	0.1883	0.0764
%RSD		3.1541	6.3530	4.0050	10.2144	4.3053	2.3702	9.7397	6.6871
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:07:32	85.6%	-0.0772	7.4396	0.4573	-0.7229	51.2973	51.2490	50.6698
2	12:08:30	84.8%	-0.0072	7.0324	0.0807	-1.2017	51.9566	52.8303	52.8327
3	12:09:29	85.2%	-0.1032	6.2910	0.1932	-1.6748	49.9742	50.2796	50.7574
x		85.2%	-0.0625	6.9210	0.2437	-1.1998	51.0761	51.4530	51.4200
σ		0.4%	0.0497	0.5824	0.1933	0.4760	1.0096	1.2875	1.2243
%RSD		0.5	79.4525	8.4143	79.3239	39.6697	1.9766	2.5023	2.3809
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:07:32	83.6%	0.0445	0.0605	0.0955	0.0567	0.0776	86.0%	0.0416
2	12:08:30	80.2%	0.0424	0.0597	0.0970	0.0638	0.0717	85.8%	0.0364
3	12:09:29	83.2%	0.0526	0.0466	0.0773	0.0515	0.0576	86.6%	0.0420
x		82.3%	0.0465	0.0556	0.0899	0.0573	0.0690	86.1%	0.0400
σ		1.9%	0.0054	0.0078	0.0109	0.0062	0.0103	0.4%	0.0031
%RSD		2.3	11.6197	14.0199	12.1607	10.7274	14.9242	0.5	7.7937
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:07:32	0.0385	0.1358	0.1283	0.1174	90.3%	0.0495	0.0565	0.1266
2	12:08:30	0.0451	0.0664	0.1261	0.1202	90.8%	0.0539	0.0549	0.1257
3	12:09:29	0.0381	0.1108	0.1348	0.1187	92.7%	0.0463	0.0517	0.1244
x		0.0405	0.1043	0.1297	0.1188	91.3%	0.0499	0.0544	0.1256
σ		0.0039	0.0351	0.0045	0.0014	1.2%	0.0038	0.0025	0.0011
%RSD		9.7157	33.6673	3.4966	1.2133	1.4	7.6759	4.5319	0.8908
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	12:07:32	0.1460	0.1334	90.8%	0.0062				
2	12:08:30	0.1292	0.1295	91.4%	0.0051				
3	12:09:29	0.1207	0.1248	93.5%	0.0054				
x		0.1320	0.1292	91.9%	0.0056				
σ		0.0129	0.0043	1.4%	0.0006				
%RSD		9.7388	3.3344	1.5	10.3096				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:13:49	82.2%	0.0079	20620.7380	49.9723	50.3472	60.8771	50.4006	49.1966
2	12:14:48	82.2%	-0.0049	20214.0690	47.6616	48.8581	60.0860	49.9558	48.1772
3	12:15:47	82.4%	-0.0007	19800.6340	48.6616	48.6987	58.2213	50.2389	47.6663
x		82.3%	0.0008	20211.8140	48.7652	49.3013	59.7282	50.1984	48.3467
σ		0.1%	0.0065	410.0563	1.1589	0.9092	1.3636	0.2251	0.7791
%RSD		0.2	816.4800	2.0288	2.3764	1.8443	2.2830	0.4485	1.6114
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:13:49	49.6768	105.8134	52.1477	48.3247	48.9518	25.4962	25.9998	24.0495
2	12:14:48	48.8455	98.2467	51.1969	46.2435	47.2422	24.9833	26.0147	24.2192
3	12:15:47	47.6476	94.8772	50.3883	45.7798	46.5126	25.5646	24.6843	23.6627
x		48.7233	99.6458	51.2443	46.7827	47.5688	25.3480	25.5663	23.9771
σ		1.0201	5.6007	0.8807	1.3554	1.2520	0.3178	0.7638	0.2852
%RSD		2.0936	5.6206	1.7186	2.8973	2.6320	1.2536	2.9877	1.1896
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:13:49	85.0%	23.8246	31.6348	24.8173	22.5965	51.2113	50.8030	51.0695
2	12:14:48	84.4%	23.1761	32.4171	24.3216	21.0600	51.1247	51.4197	51.4359
3	12:15:47	84.6%	23.0106	30.8243	23.6775	19.7571	52.4284	51.8135	52.2980
x		84.7%	23.3371	31.6254	24.2721	21.1379	51.5881	51.3454	51.6011
σ		0.3%	0.4303	0.7964	0.5715	1.4213	0.7290	0.5093	0.6307
%RSD		0.4	1.8436	2.5183	2.3545	6.7240	1.4130	0.9919	1.2223
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:13:49	83.4%	12.0392	11.9665	24.5398	23.1946	23.4511	84.5%	0.0585
2	12:14:48	82.8%	11.9608	12.0720	24.2658	22.8196	23.3190	85.3%	0.0449
3	12:15:47	81.6%	12.0548	11.9505	24.6249	23.0232	23.3970	86.6%	0.0480
x		82.6%	12.0183	11.9963	24.4768	23.0125	23.3891	85.5%	0.0505
σ		0.9%	0.0504	0.0660	0.1877	0.1877	0.0664	1.1%	0.0071
%RSD		1.1	0.4194	0.5503	0.7666	0.8158	0.2839	1.3	14.1152
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:13:49	0.0526	0.0963	0.1140	0.1192	87.5%	0.0433	0.0559	0.1264
2	12:14:48	0.0519	0.0900	0.1157	0.1148	90.8%	0.0490	0.0443	0.1126
3	12:15:47	0.0447	0.0963	0.1315	0.1113	91.1%	0.0388	0.0365	0.1198
x		0.0497	0.0942	0.1204	0.1151	89.8%	0.0437	0.0456	0.1196
σ		0.0044	0.0036	0.0096	0.0040	2.0%	0.0051	0.0098	0.0069
%RSD		8.8754	3.8336	7.9977	3.4333	2.2	11.6813	21.4886	5.7903
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	12:13:49	0.1318	0.1331	88.8%	0.0030				
2	12:14:48	0.1377	0.1287	91.7%	0.0094				
3	12:15:47	0.1322	0.1232	92.9%	0.0079				
x		0.1339	0.1283	91.1%	0.0068				
σ		0.0033	0.0050	2.1%	0.0034				
%RSD		2.4611	3.8616	2.3	49.7906				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:53:12	104.3%	0.0220	1.9958	0.1383	0.2887	-1.2104	0.0542	0.0205
2	12:54:11	105.6%	0.0210	1.8769	0.0627	0.2512	-1.2176	0.0495	0.0158
3	12:55:09	105.7%	0.0133	1.9718	0.1362	0.2453	-1.7088	0.0702	0.0206
x		105.2%	0.0188	1.9482	0.1124	0.2617	-1.3790	0.0580	0.0189
σ		0.8%	0.0048	0.0629	0.0431	0.0235	0.2857	0.0109	0.0027
%RSD		0.8	25.3712	3.2272	38.3303	8.9885	20.7187	18.8004	14.3065
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:53:12	0.1983	1.5692	0.4376	0.3112	0.0617	0.4918	0.1320	0.3912
2	12:54:11	0.1804	-2.4797	0.3230	0.2245	0.0946	0.4485	0.1273	0.4458
3	12:55:09	0.2195	2.1584	0.2953	0.1760	0.0649	0.4815	-0.1063	0.4868
x		0.1994	0.4160	0.3520	0.2372	0.0737	0.4739	0.0510	0.4413
σ		0.0196	2.5249	0.0754	0.0685	0.0181	0.0226	0.1363	0.0480
%RSD		9.8200	607.0252	21.4236	28.8783	24.5749	4.7733	267.1935	10.8768
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:53:12	100.1%	0.7442	0.6553	1.1839	1.2889	0.0437	0.0660	0.0637
2	12:54:11	102.7%	0.6247	0.2756	0.8598	0.9601	0.0488	0.0831	0.0565
3	12:55:09	102.3%	0.4273	1.5561	0.6699	1.0583	0.0678	0.0614	0.0754
x		101.7%	0.5987	0.8290	0.9046	1.1024	0.0534	0.0701	0.0652
σ		1.4%	0.1600	0.6577	0.2599	0.1688	0.0127	0.0114	0.0095
%RSD		1.4	26.7245	79.3339	28.7314	15.3117	23.7960	16.2743	14.6507
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:53:12	99.5%	0.0177	0.0199	0.0162	0.0210	0.0208	97.8%	0.0501
2	12:54:11	99.8%	0.0219	0.0230	0.0243	0.0246	0.0174	101.7%	0.0564
3	12:55:09	102.1%	0.0193	0.0204	0.0263	0.0234	0.0156	101.8%	0.0391
x		100.5%	0.0196	0.0211	0.0223	0.0230	0.0180	100.4%	0.0485
σ		1.4%	0.0021	0.0016	0.0053	0.0018	0.0026	2.3%	0.0088
%RSD		1.4	10.8900	7.7495	23.9318	7.8707	14.6521	2.3	18.0328
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:53:12	0.0389	0.0357	0.0761	0.0499	95.6%	0.0217	0.0180	0.0182
2	12:54:11	0.0612	0.0460	0.0304	0.0535	100.8%	0.0180	0.0179	0.0246
3	12:55:09	0.0571	0.0093	0.0601	0.0587	101.9%	0.0228	0.0118	0.0216
x		0.0524	0.0303	0.0555	0.0540	99.5%	0.0208	0.0159	0.0215
σ		0.0119	0.0189	0.0232	0.0045	3.4%	0.0025	0.0035	0.0032
%RSD		22.6431	62.3699	41.8065	8.2521	3.4	12.0944	22.2898	14.9765
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	12:53:12	0.0156	0.0225	94.1%	0.0208				
2	12:54:11	0.0241	0.0250	99.8%	0.0180				
3	12:55:09	0.0302	0.0279	101.5%	0.0167				
x		0.0233	0.0251	98.5%	0.0185				
σ		0.0073	0.0027	3.9%	0.0021				
%RSD		31.4528	10.7448	3.9	11.3474				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:16	100.5%	-0.0068	-0.0624	-0.1826	0.0802	-1.1688	0.0077	0.0015
2	12:58:15	103.5%	0.0005	-0.0402	-0.2052	0.0074	-1.3316	0.0120	-0.0012
3	12:59:14	104.8%	-0.0032	-0.0367	-0.1506	0.0171	-1.7531	0.0068	-0.0002
x		102.9%	-0.0031	-0.0464	-0.1795	0.0349	-1.4178	0.0088	0.0000
σ		2.2%	0.0036	0.0140	0.0274	0.0395	0.3015	0.0028	0.0013
%RSD		2.1	116.6009	30.0504	15.2679	113.3123	21.2685	31.5206	2764.1298
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:16	0.0059	-0.3834	0.1216	0.0947	-0.0042	-0.0287	-0.2585	-0.0521
2	12:58:15	0.0001	0.1500	-0.0143	0.0457	-0.0331	-0.0386	-0.2177	-0.0726
3	12:59:14	0.0073	-1.3376	0.0087	0.0292	-0.0084	-0.0434	-0.2292	-0.0895
x		0.0044	-0.5237	0.0387	0.0565	-0.0152	-0.0369	-0.2351	-0.0714
σ		0.0038	0.7537	0.0728	0.0341	0.0156	0.0075	0.0211	0.0188
%RSD		87.0988	143.9272	188.0435	60.2432	102.4377	20.2170	8.9547	26.2718
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:16	97.1%	0.2387	-0.4899	0.1969	0.3902	0.0089	0.0132	0.0047
2	12:58:15	98.9%	0.0109	-0.1400	-0.2383	-0.1085	0.0069	0.0041	0.0070
3	12:59:14	101.5%	0.2857	-0.3606	-0.0993	0.6890	0.0067	0.0009	0.0078
x		99.2%	0.1785	-0.3302	-0.0469	0.3236	0.0075	0.0061	0.0065
σ		2.2%	0.1470	0.1769	0.2223	0.4029	0.0012	0.0064	0.0016
%RSD		2.2	82.3474	53.5750	474.0575	124.5340	16.2484	105.1156	25.1546
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:16	96.8%	0.0016	-0.0002	-0.0015	0.0015	-0.0009	96.7%	-0.0004
2	12:58:15	97.5%	-0.0002	0.0010	-0.0015	0.0014	-0.0009	99.6%	-0.0004
3	12:59:14	101.0%	0.0004	-0.0002	-0.0015	0.0003	-0.0000	101.4%	0.0028
x		98.4%	0.0006	0.0002	-0.0015	0.0011	-0.0006	99.2%	0.0006
σ		2.2%	0.0009	0.0007	0.0000	0.0007	0.0005	2.4%	0.0018
%RSD		2.3	151.0165	342.8679	0.0000	59.4419	84.7632	2.4	291.4862
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:16	-0.0011	0.0012	-0.0024	-0.0046	95.9%	-0.0017	-0.0015	0.0008
2	12:58:15	0.0014	0.0069	0.0008	0.0050	99.4%	-0.0008	-0.0049	0.0049
3	12:59:14	-0.0003	-0.0137	0.0041	0.0022	100.8%	-0.0019	-0.0059	0.0085
x		0.0000	-0.0019	0.0008	0.0009	98.7%	-0.0015	-0.0041	0.0048
σ		0.0012	0.0106	0.0033	0.0049	2.5%	0.0006	0.0023	0.0039
%RSD		17595.1290	571.9230	392.2355	565.3377	2.5	41.8713	56.0845	81.1677
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	12:57:16	0.0030	0.0026	95.3%	-0.0022				
2	12:58:15	0.0030	0.0044	99.2%	0.0014				
3	12:59:14	-0.0017	0.0032	101.3%	-0.0003				
x		0.0015	0.0034	98.6%	-0.0004				
σ		0.0027	0.0009	3.1%	0.0018				
%RSD		184.5149	27.4079	3.1	479.5435				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	13:01:45	99.6%	20.8420	20.7520	19.9072	20.1725	18.7039	20.4331	20.5238
2	13:02:44	102.5%	19.7206	20.0034	18.6631	19.1943	17.5521	19.6320	19.1645
3	13:03:41	102.7%	19.1066	19.6893	18.9495	18.8039	16.6336	19.5617	19.1907
X		101.6%	19.8898	20.1482	19.1733	19.3902	17.6299	19.8756	19.6263
σ		1.8%	0.8800	0.5459	0.6515	0.7050	1.0373	0.4841	0.7773
%RSD		1.7	4.4243	2.7096	3.3981	3.6360	5.8840	2.4356	3.9606
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	13:01:45	20.9491	23.9981	20.3454	21.1147	20.9314	21.3783	21.5311	21.1607
2	13:02:44	19.6358	23.1193	19.9743	19.8134	19.3837	20.1190	19.3590	19.8205
3	13:03:41	18.6975	17.4525	18.9857	19.0686	19.6990	20.1474	19.2114	19.9125
X		19.7608	21.5233	19.7684	19.9989	20.0047	20.5482	20.0338	20.2979
σ		1.1310	3.5527	0.7028	1.0356	0.8179	0.7190	1.2988	0.7486
%RSD		5.7235	16.5063	3.5553	5.1782	4.0884	3.4992	6.4829	3.6881
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	13:01:45	96.6%	20.0528	20.3964	19.6798	21.1293	20.0174	19.4178	19.6166
2	13:02:44	100.7%	18.9819	20.7870	18.6433	20.0802	19.6461	19.4057	19.2215
3	13:03:41	101.4%	18.4627	20.0340	19.1463	18.9317	19.5166	18.9732	19.5105
X		99.6%	19.1658	20.4058	19.1565	20.0471	19.7267	19.2656	19.4496
σ		2.6%	0.8108	0.3766	0.5183	1.0992	0.2599	0.2532	0.2045
%RSD		2.6	4.2306	1.8456	2.7057	5.4831	1.3176	1.3145	1.0514
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	13:01:45	97.2%	20.0427	20.3047	20.4722	19.4766	20.0791	94.6%	20.7288
2	13:02:44	98.6%	19.2359	19.3628	19.9597	18.4376	19.1156	101.1%	19.5465
3	13:03:41	99.5%	19.7797	19.5722	19.7940	18.7239	19.2365	99.3%	20.0325
X		98.4%	19.6861	19.7466	20.0753	18.8794	19.4771	98.4%	20.1026
σ		1.2%	0.4115	0.4946	0.3535	0.5367	0.5249	3.4%	0.5943
%RSD		1.2	2.0901	2.5047	1.7611	2.8428	2.6948	3.4	2.9563
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	13:01:45	20.4497	20.1196	20.7800	20.5133	94.4%	20.3725	20.0748	20.2786
2	13:02:44	19.3860	19.3879	19.1739	19.6516	101.0%	19.2996	19.3169	19.4972
3	13:03:41	19.5830	19.6754	19.2463	19.6747	101.7%	19.4135	19.6993	19.8253
X		19.8062	19.7276	19.7334	19.9465	99.0%	19.6952	19.6970	19.8670
σ		0.5659	0.3687	0.9071	0.4910	4.0%	0.5893	0.3789	0.3924
%RSD		2.8572	1.8687	4.5969	2.4614	4.0	2.9923	1.9239	1.9751
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	13:01:45	20.4067	20.3551	94.0%	20.2584				
2	13:02:44	19.3573	19.4611	101.3%	19.5168				
3	13:03:41	19.5738	19.7246	102.0%	19.4530				
X		19.7793	19.8470	99.1%	19.7428				
σ		0.5540	0.4594	4.4%	0.4477				
%RSD		2.8011	2.3146	4.5	2.2678				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:54	99.5%	20.3811	19.9097	19.0519	19.9385	18.3367	19.9016	20.1676
2	13:07:53	100.6%	19.3817	19.4497	19.0677	19.4631	17.3415	19.6940	19.3059
3	13:08:52	100.4%	19.0090	19.7964	19.2044	19.4706	17.4698	19.9485	19.7578
x		100.2%	19.5906	19.7186	19.1080	19.6241	17.7160	19.8480	19.7438
σ		0.6%	0.7095	0.2397	0.0838	0.2723	0.5414	0.1355	0.4310
%RSD		0.6	3.6216	1.2154	0.4387	1.3876	3.0558	0.6825	2.1832
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:54	20.6665	20.7901	20.2933	20.4079	20.3245	20.4000	20.3826	20.0666
2	13:07:53	19.9917	18.6065	18.9400	19.4932	19.8353	20.6829	19.4624	20.0473
3	13:08:52	19.2895	20.1223	19.7181	19.8263	20.0848	20.4359	19.2592	20.0936
x		19.9826	19.8396	19.6505	19.9091	20.0815	20.5063	19.7014	20.0692
σ		0.6885	1.1189	0.6792	0.4629	0.2446	0.1540	0.5987	0.0233
%RSD		3.4456	5.6399	3.4564	2.3252	1.2180	0.7511	3.0387	0.1159
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:54	95.1%	19.1436	21.2208	19.9098	19.7134	19.7999	19.2904	19.4003
2	13:07:53	98.4%	19.0870	21.0159	19.7415	19.8313	19.4701	19.2157	19.3003
3	13:08:52	97.5%	19.5233	18.3487	19.7272	19.4846	19.6246	19.2048	19.5432
x		97.0%	19.2513	20.1951	19.7929	19.6764	19.6315	19.2370	19.4146
σ		1.7%	0.2372	1.6023	0.1015	0.1763	0.1650	0.0466	0.1220
%RSD		1.8	1.2324	7.9341	0.5130	0.8961	0.8404	0.2422	0.6286
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:54	95.7%	19.7347	19.8830	19.7148	18.7663	19.3294	95.0%	19.9953
2	13:07:53	96.9%	19.8832	19.6516	19.9017	18.5223	19.5743	97.8%	19.7800
3	13:08:52	98.0%	19.0669	19.5005	19.6389	18.9649	19.2160	98.5%	19.9445
x		96.9%	19.5616	19.6784	19.7518	18.7512	19.3733	97.1%	19.9066
σ		1.1%	0.4348	0.1926	0.1353	0.2217	0.1831	1.8%	0.1126
%RSD		1.2	2.2227	0.9790	0.6848	1.1822	0.9452	1.9	0.5655
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:54	19.4677	19.9486	20.0295	20.0797	94.0%	19.9825	19.8254	20.0424
2	13:07:53	19.5975	20.3694	19.4616	19.5037	98.6%	19.5092	19.5071	19.6247
3	13:08:52	19.5631	19.6555	19.5114	19.7247	100.2%	19.4268	19.3888	19.4254
x		19.5428	19.9912	19.6675	19.7694	97.6%	19.6395	19.5738	19.6975
σ		0.0673	0.3589	0.3145	0.2906	3.3%	0.2999	0.2258	0.3149
%RSD		0.3442	1.7950	1.5991	1.4698	3.3	1.5269	1.1537	1.5986
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:06:54	19.7114	19.9144	93.8%	19.7240				
2	13:07:53	19.6760	19.7596	98.6%	19.6912				
3	13:08:52	19.6029	19.5407	101.0%	19.3940				
x		19.6634	19.7382	97.8%	19.6031				
σ		0.0553	0.1878	3.7%	0.1818				
%RSD		0.2815	0.9513	3.8	0.9274				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	13:12:24	105.2%	0.0116	33.3672	-0.0005	0.2893	-0.7798	5.0791	0.0994
2	13:13:23	108.9%	0.0081	33.0427	0.0590	0.2913	-1.1376	5.0462	0.0916
3	13:14:21	108.8%	0.0067	33.1232	0.0733	0.2853	-1.1989	5.0399	0.0791
x		107.6%	0.0088	33.1777	0.0439	0.2887	-1.0388	5.0551	0.0901
σ		2.1%	0.0025	0.1690	0.0391	0.0030	0.2264	0.0211	0.0103
%RSD		2.0	28.5698	0.5093	89.0888	1.0504	21.7937	0.4168	11.4040
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	13:12:24	0.8251	17.4117	0.6922	1.3343	1.3031	11.1666	10.6569	11.3286
2	13:13:23	0.7357	13.0351	0.5402	1.2959	1.2246	11.1761	10.5741	11.2028
3	13:14:21	0.8166	15.8609	0.3680	1.2456	1.2320	11.0591	10.8781	11.0807
x		0.7925	15.4359	0.5335	1.2920	1.2532	11.1339	10.7030	11.2040
σ		0.0493	2.2190	0.1622	0.0445	0.0433	0.0650	0.1571	0.1240
%RSD		6.2269	14.3757	30.4084	3.4416	3.4587	0.5839	1.4681	1.1067
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	13:12:24	100.6%	0.4685	0.9459	0.5105	0.7276	0.5707	0.5985	0.6109
2	13:13:23	104.3%	0.3051	0.4491	0.2202	0.0047	0.6417	0.6913	0.6022
3	13:14:21	104.9%	0.1507	0.6324	0.1771	-0.1944	0.5728	0.5579	0.5766
x		103.3%	0.3081	0.6758	0.3026	0.1793	0.5951	0.6159	0.5966
σ		2.3%	0.1589	0.2512	0.1813	0.4852	0.0404	0.0684	0.0178
%RSD		2.2	51.5896	37.1678	59.9224	270.5824	6.7893	11.1012	2.9873
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	13:12:24	100.4%	0.0067	0.0104	0.0532	0.0692	0.0573	98.8%	0.1534
2	13:13:23	102.4%	0.0081	0.0083	0.0552	0.0528	0.0638	104.1%	0.1798
3	13:14:21	103.2%	0.0085	0.0065	0.0693	0.0564	0.0843	105.1%	0.1742
x		102.0%	0.0078	0.0084	0.0592	0.0594	0.0685	102.6%	0.1691
σ		1.4%	0.0010	0.0019	0.0087	0.0086	0.0141	3.4%	0.0139
%RSD		1.4	12.6730	22.8124	14.7575	14.4965	20.6030	3.3	8.2275
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	13:12:24	0.1511	21.7866	21.9014	21.9420	98.1%	0.0233	0.0271	1.3221
2	13:13:23	0.1620	21.6596	21.6666	21.7669	103.5%	0.0252	0.0259	1.3306
3	13:14:21	0.1556	21.5777	21.7231	21.7197	105.8%	0.0301	0.0318	1.3038
x		0.1562	21.6746	21.7637	21.8095	102.5%	0.0262	0.0283	1.3188
σ		0.0055	0.1053	0.1226	0.1171	4.0%	0.0035	0.0031	0.0137
%RSD		3.4979	0.4857	0.5631	0.5370	3.9	13.2950	10.9987	1.0376
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	13:12:24	1.5516	1.4521	97.1%	0.5160				
2	13:13:23	1.5650	1.4719	103.1%	0.5204				
3	13:14:21	1.5473	1.4769	105.0%	0.5018				
x		1.5546	1.4669	101.7%	0.5127				
σ		0.0092	0.0131	4.1%	0.0097				
%RSD		0.5937	0.8948	4.0	1.8928				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:55	109.7%	0.0037	34.9785	-0.0028	0.2936	-0.8354	5.0981	0.0832
2	13:17:52	111.0%	0.0070	33.2855	-0.0169	0.3576	-1.0691	4.8779	0.0789
3	13:18:49	111.7%	0.0041	32.2290	0.1002	0.4106	-1.2484	4.8252	0.0809
x		110.8%	0.0050	33.4976	0.0269	0.3539	-1.0510	4.9337	0.0810
σ		1.0%	0.0018	1.3870	0.0639	0.0586	0.2071	0.1447	0.0022
%RSD		0.9	36.0350	4.1406	238.0418	16.5549	19.7042	2.9337	2.6714
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:55	0.6931	18.6865	0.6367	1.0141	0.9586	3.9420	4.0509	4.2777
2	13:17:52	0.7276	12.5864	0.5083	0.8918	0.9746	3.8541	4.0213	3.9384
3	13:18:49	0.7087	15.3738	0.4833	0.9680	0.8995	3.6421	4.1798	4.2470
x		0.7098	15.5489	0.5428	0.9579	0.9442	3.8127	4.0840	4.1544
σ		0.0173	3.0538	0.0823	0.0618	0.0395	0.1542	0.0843	0.1877
%RSD		2.4351	19.6402	15.1644	6.4477	4.1878	4.0439	2.0635	4.5175
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:55	104.6%	0.4121	0.4886	-0.1442	0.4720	0.5664	0.5753	0.5949
2	13:17:52	107.7%	0.2217	0.5877	0.2092	-0.1525	0.5807	0.5659	0.5701
3	13:18:49	107.5%	0.3618	0.4051	0.0948	0.1064	0.4950	0.5010	0.5968
x		106.6%	0.3319	0.4938	0.0533	0.1420	0.5473	0.5474	0.5873
σ		1.8%	0.0987	0.0914	0.1804	0.3138	0.0459	0.0405	0.0149
%RSD		1.7	29.7355	18.5046	338.5470	221.0403	8.3864	7.3902	2.5393
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:55	104.5%	0.0036	0.0038	0.0722	0.0500	0.0534	102.5%	0.1440
2	13:17:52	107.1%	0.0013	0.0064	0.0596	0.0593	0.0531	106.5%	0.1409
3	13:18:49	106.2%	0.0040	0.0119	0.0760	0.0473	0.0514	106.7%	0.1449
x		105.9%	0.0030	0.0073	0.0693	0.0522	0.0526	105.2%	0.1433
σ		1.4%	0.0014	0.0041	0.0086	0.0063	0.0011	2.4%	0.0021
%RSD		1.3	48.3750	56.5170	12.3875	12.0328	2.0944	2.2	1.4428
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:55	0.1464	22.1318	21.6127	22.3838	101.6%	0.0221	0.0256	1.3226
2	13:17:52	0.1636	21.9581	21.7000	21.9970	106.4%	0.0237	0.0270	1.3203
3	13:18:49	0.1602	21.5852	21.3184	21.6308	106.5%	0.0217	0.0269	1.2666
x		0.1567	21.8917	21.5437	22.0039	104.8%	0.0225	0.0265	1.3032
σ		0.0091	0.2793	0.1999	0.3766	2.8%	0.0011	0.0008	0.0317
%RSD		5.8109	1.2758	0.9281	1.7114	2.7	4.8197	2.9714	2.4308
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:16:55	1.6155	1.4631	100.0%	0.5048				
2	13:17:52	1.5805	1.4459	104.8%	0.5098				
3	13:18:49	1.5265	1.4129	106.2%	0.5002				
x		1.5742	1.4406	103.7%	0.5049				
σ		0.0448	0.0255	3.2%	0.0048				
%RSD		2.8474	1.7733	3.1	0.9460				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:24	113.3%	-0.0002	6.7390	-0.1922	0.1118	-1.1860	1.0272	0.0134
2	13:22:21	115.6%	0.0041	6.3463	0.0355	0.0883	-1.9593	1.0147	0.0039
3	13:23:20	116.3%	-0.0030	6.2917	-0.0364	0.0691	-2.0646	1.0123	0.0150
X		115.1%	0.0003	6.4590	-0.0644	0.0898	-1.7366	1.0181	0.0108
σ		1.6%	0.0036	0.2440	0.1164	0.0214	0.4798	0.0080	0.0060
%RSD		1.4	1369.0402	3.7778	180.8377	23.8057	27.6278	0.7856	55.6925
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:24	0.1905	1.5682	0.1407	0.3779	0.2472	2.1212	1.6420	2.2215
2	13:22:21	0.1564	2.4146	0.1751	0.3377	0.2549	2.0898	1.8182	2.0863
3	13:23:20	0.1444	1.8908	0.1458	0.2200	0.2900	2.0259	1.5121	2.0008
X		0.1638	1.9579	0.1539	0.3119	0.2640	2.0790	1.6574	2.1029
σ		0.0239	0.4272	0.0186	0.0821	0.0228	0.0485	0.1536	0.1113
%RSD		14.5914	21.8172	12.0608	26.3138	8.6364	2.3351	9.2699	5.2930
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:24	108.7%	0.2272	-0.1216	-0.1998	0.3959	0.0999	0.1234	0.1217
2	13:22:21	112.1%	0.2287	-0.1898	0.0121	0.4206	0.1212	0.1290	0.1245
3	13:23:20	112.2%	0.2836	-0.3261	0.0092	0.6080	0.1076	0.1074	0.1232
X		111.0%	0.2465	-0.2125	-0.0595	0.4748	0.1096	0.1199	0.1231
σ		2.0%	0.0322	0.1041	0.1215	0.1160	0.0108	0.0112	0.0014
%RSD		1.8	13.0439	49.0067	204.2271	24.4262	9.8542	9.3617	1.1519
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:24	107.8%	0.0045	0.0009	0.0026	0.0123	0.0175	106.0%	0.0321
2	13:22:21	109.6%	0.0018	0.0035	0.0144	0.0120	0.0121	109.2%	0.0359
3	13:23:20	109.9%	0.0013	0.0040	0.0163	0.0080	0.0151	110.7%	0.0360
X		109.1%	0.0025	0.0028	0.0111	0.0108	0.0149	108.6%	0.0347
σ		1.2%	0.0017	0.0017	0.0074	0.0024	0.0027	2.4%	0.0022
%RSD		1.1	69.2225	59.7573	66.6402	22.4385	18.1353	2.2	6.2970
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:21:24	0.0404	4.2954	4.3362	4.3116	102.3%	0.0009	0.0006	0.2522
2	13:22:21	0.0301	4.2877	4.5393	4.3495	107.6%	-0.0019	-0.0010	0.2858
3	13:23:20	0.0304	4.5453	4.3839	4.3199	109.2%	0.0009	-0.0031	0.2534
X		0.0337	4.3761	4.4198	4.3270	106.3%	-0.0000	-0.0012	0.2638
σ		0.0059	0.1465	0.1062	0.0199	3.6%	0.0016	0.0019	0.0191
%RSD		17.4176	3.3487	2.4034	0.4605	3.4	7312.4753	159.6903	7.2249
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:21:24	0.3243	0.2965	100.2%	0.1003				
2	13:22:21	0.3095	0.2948	105.7%	0.0983				
3	13:23:20	0.3208	0.2903	106.8%	0.1034				
X		0.3182	0.2939	104.3%	0.1007				
σ		0.0077	0.0032	3.6%	0.0026				
%RSD		2.4241	1.0917	3.4	2.5621				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	13:25:52	108.5%	20.6425	49.3170	20.8321	20.5290	17.5375	24.4496	19.8073
2	13:26:52	109.6%	19.6893	48.3489	19.3991	19.8270	18.3446	24.6128	19.2295
3	13:27:51	107.9%	19.6028	48.6024	20.2901	19.9599	17.4482	24.7846	19.5709
x		108.7%	19.9782	48.7561	20.1738	20.1053	17.7768	24.6157	19.5359
σ		0.9%	0.5769	0.5020	0.7235	0.3729	0.4938	0.1675	0.2905
%RSD		0.8	2.8878	1.0297	3.5866	1.8548	2.7776	0.6805	1.4868
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	13:25:52	20.7975	39.3748	20.5232	20.7433	20.7541	23.9189	23.6617	24.0308
2	13:26:52	20.2842	37.7862	20.2499	20.5752	20.4134	23.3926	24.5933	23.8063
3	13:27:51	20.3600	33.5644	20.0363	20.1031	20.6245	23.4235	24.3437	24.0918
x		20.4805	36.9085	20.2698	20.4739	20.5974	23.5783	24.1995	23.9763
σ		0.2771	3.0030	0.2441	0.3319	0.1720	0.2953	0.4823	0.1503
%RSD		1.3528	8.1362	1.2041	1.6212	0.8350	1.2526	1.9929	0.6270
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	13:25:52	106.5%	19.9012	22.7823	20.4795	20.0676	20.4595	20.4286	20.3179
2	13:26:52	105.5%	20.6109	21.4039	19.0379	20.2216	20.7153	20.5342	19.9676
3	13:27:51	104.8%	20.0915	22.1110	20.5944	21.4363	20.7207	20.1210	20.6780
x		105.6%	20.2012	22.0991	20.0372	20.5752	20.6318	20.3612	20.3211
σ		0.9%	0.3673	0.6893	0.8674	0.7498	0.1493	0.2146	0.3553
%RSD		0.8	1.8184	3.1191	4.3287	3.6440	0.7235	1.0541	1.7482
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	13:25:52	105.5%	9.6173	9.8419	19.8210	19.4847	20.0544	103.6%	20.7998
2	13:26:52	104.1%	9.6693	9.5893	19.9392	19.6644	19.5227	106.2%	20.4494
3	13:27:51	102.8%	9.4039	9.6306	19.3719	19.4764	19.4520	107.2%	20.2976
x		104.2%	9.5635	9.6873	19.7107	19.5418	19.6764	105.7%	20.5156
σ		1.4%	0.1406	0.1355	0.2993	0.1062	0.3293	1.9%	0.2576
%RSD		1.3	1.4705	1.3984	1.5184	0.5435	1.6734	1.8	1.2555
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	13:25:52	20.1173	42.1388	41.4712	42.3969	101.7%	19.7250	19.7913	21.2496
2	13:26:52	19.9205	41.7864	40.8272	41.6569	105.7%	19.4927	19.4048	20.7048
3	13:27:51	19.9598	41.6523	40.9440	41.0570	106.0%	19.5791	19.4311	20.9960
x		19.9992	41.8592	41.0808	41.7036	104.5%	19.5989	19.5424	20.9835
σ		0.1042	0.2512	0.3431	0.6712	2.4%	0.1175	0.2160	0.2726
%RSD		0.5208	0.6002	0.8353	1.6094	2.3	0.5993	1.1051	1.2992
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	13:25:52	21.3490	21.3096	101.7%	20.2447				
2	13:26:52	20.9107	20.8156	105.8%	20.0069				
3	13:27:51	21.1871	21.0950	106.1%	20.2231				
x		21.1489	21.0734	104.5%	20.1582				
σ		0.2216	0.2477	2.5%	0.1315				
%RSD		1.0478	1.1756	2.4	0.6524				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:20	109.6%	25.5773	24.3700	24.3143	24.4735	23.7809	24.7174	25.4288
2	13:32:17	109.2%	24.2336	24.3536	24.6158	24.2396	22.0445	24.5035	24.7347
3	13:33:14	109.5%	23.7598	24.0731	24.3734	24.3198	22.8179	24.8515	24.4942
x		109.4%	24.5235	24.2655	24.4345	24.3443	22.8811	24.6908	24.8859
σ		0.2%	0.9428	0.1669	0.1597	0.1189	0.8699	0.1755	0.4853
%RSD		0.2	3.8444	0.6877	0.6538	0.4883	3.8019	0.7109	1.9500
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:20	25.8434	25.0464	25.6670	25.6821	25.9967	24.4514	23.6000	24.9416
2	13:32:17	24.3813	26.8047	24.5094	25.0982	24.8600	24.4428	24.5211	24.0771
3	13:33:14	24.4164	25.8159	25.1247	24.6363	24.0871	24.6019	24.2816	24.1634
x		24.8804	25.8890	25.1004	25.1389	24.9813	24.4987	24.1343	24.3940
σ		0.8342	0.8814	0.5792	0.5241	0.9606	0.0895	0.4779	0.4762
%RSD		3.3529	3.4045	2.3074	2.0848	3.8451	0.3652	1.9802	1.9521
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:20	105.7%	23.7877	27.4850	25.2887	24.3105	23.9023	23.8744	24.1097
2	13:32:17	106.5%	24.0338	25.5797	24.6044	26.5127	24.3259	23.9447	24.3781
3	13:33:14	104.9%	23.6721	26.1215	24.0525	23.4857	24.8872	24.7290	24.4721
x		105.7%	23.8312	26.3954	24.6486	24.7696	24.3718	24.1827	24.3200
σ		0.8%	0.1848	0.9817	0.6193	1.5649	0.4941	0.4744	0.1880
%RSD		0.8	0.7753	3.7193	2.5123	6.3178	2.0272	1.9619	0.7732
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:20	106.1%	24.3573	24.4376	23.8646	24.2639	24.3235	104.1%	24.5120
2	13:32:17	104.6%	24.6295	24.4267	24.5608	24.0005	23.9501	106.5%	24.5311
3	13:33:14	104.2%	24.5513	24.8880	24.2875	24.2237	24.5171	106.1%	24.5930
x		104.9%	24.5127	24.5841	24.2376	24.1627	24.2635	105.6%	24.5454
σ		1.0%	0.1401	0.2632	0.3507	0.1419	0.2882	1.3%	0.0423
%RSD		1.0	0.5717	1.0707	1.4471	0.5874	1.1877	1.2	0.1725
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:31:20	24.1454	24.4280	24.7216	24.6082	100.9%	24.5837	24.4905	24.5539
2	13:32:17	24.2015	24.1363	24.4722	24.2206	104.2%	24.4164	24.5775	24.4740
3	13:33:14	24.3783	24.6963	24.6302	24.5802	105.3%	24.4746	24.4996	24.6445
x		24.2417	24.4202	24.6080	24.4697	103.5%	24.4916	24.5225	24.5575
σ		0.1215	0.2801	0.1262	0.2161	2.3%	0.0849	0.0478	0.0853
%RSD		0.5014	1.1469	0.5127	0.8833	2.2	0.3467	0.1948	0.3472
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:31:20	24.4845	24.3739	99.9%	24.2512				
2	13:32:17	24.3379	24.3972	103.9%	24.4626				
3	13:33:14	24.6478	24.5463	105.3%	24.2603				
x		24.4901	24.4392	103.1%	24.3247				
σ		0.1550	0.0936	2.8%	0.1195				
%RSD		0.6331	0.3828	2.7	0.4913				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:41:41	104.1%	0.0033	-0.0422	-0.1854	0.0496	-1.6450	0.0046	-0.0014
2	13:42:40	105.3%	0.0025	-0.0661	-0.1711	0.0643	-1.9986	0.0017	0.0105
3	13:43:37	106.5%	0.0022	-0.0628	-0.1600	0.0125	-2.2020	-0.0035	-0.0048
X		105.3%	0.0026	-0.0570	-0.1721	0.0421	-1.9485	0.0009	0.0014
σ		1.2%	0.0006	0.0130	0.0127	0.0267	0.2818	0.0041	0.0080
%RSD		1.1	21.3579	22.7269	7.3951	63.3235	14.4637	451.6335	556.3146
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:41:41	0.0051	-0.1935	0.0411	0.1281	-0.0337	-0.0211	-0.3512	-0.0487
2	13:42:40	0.0020	-0.8367	0.0578	0.0353	-0.0416	-0.0259	-0.3423	-0.0586
3	13:43:37	-0.0085	-1.5609	0.0274	0.0146	-0.0234	-0.0454	-0.4577	-0.0508
X		-0.0004	-0.8637	0.0421	0.0593	-0.0329	-0.0308	-0.3838	-0.0527
σ		0.0071	0.6841	0.0152	0.0604	0.0091	0.0129	0.0642	0.0052
%RSD		1641.2863	79.2063	36.0849	101.8798	27.7165	41.8311	16.7322	9.8907
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:41:41	99.8%	0.0253	0.0541	0.0809	0.3844	0.0216	0.0247	0.0228
2	13:42:40	101.9%	0.2296	-0.4621	-0.1501	0.5848	0.0448	0.0474	0.0514
3	13:43:37	103.9%	-0.0344	-0.3244	-0.2375	-0.2317	0.0533	0.0441	0.0410
X		101.9%	0.0735	-0.2441	-0.1022	0.2458	0.0399	0.0387	0.0384
σ		2.1%	0.1385	0.2673	0.1645	0.4255	0.0164	0.0122	0.0145
%RSD		2.0	188.3557	109.5029	160.9356	173.0826	41.0331	31.5789	37.6358
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:41:41	99.0%	0.0027	0.0028	-0.0015	0.0004	0.0000	98.5%	0.0015
2	13:42:40	101.2%	0.0032	0.0061	0.0007	0.0035	0.0017	102.8%	0.0015
3	13:43:37	101.9%	0.0032	0.0027	-0.0015	0.0046	-0.0009	100.9%	0.0009
X		100.7%	0.0030	0.0039	-0.0007	0.0028	0.0003	100.8%	0.0013
σ		1.5%	0.0003	0.0020	0.0012	0.0022	0.0013	2.1%	0.0004
%RSD		1.5	8.6135	50.7257	164.6003	77.6299	476.4157	2.1	29.4665
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:41:41	-0.0011	-0.0166	0.0088	0.0059	98.0%	0.0046	-0.0055	0.0046
2	13:42:40	0.0036	-0.0173	-0.0111	-0.0024	102.1%	0.0032	0.0008	0.0015
3	13:43:37	0.0005	-0.0237	0.0172	0.0062	102.7%	0.0002	0.0004	0.0046
X		0.0010	-0.0192	0.0049	0.0032	100.9%	0.0027	-0.0014	0.0035
σ		0.0024	0.0039	0.0145	0.0049	2.5%	0.0022	0.0036	0.0018
%RSD		233.1928	20.5816	293.6272	152.5094	2.5	83.2364	246.2061	50.8927
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:41:41	0.0025	0.0026	96.8%	-0.0022				
2	13:42:40	0.0070	0.0036	102.0%	0.0004				
3	13:43:37	-0.0004	0.0030	102.2%	-0.0004				
X		0.0030	0.0030	100.3%	-0.0008				
σ		0.0037	0.0005	3.0%	0.0013				
%RSD		122.7111	16.7391	3.0	171.7186				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	13:46:18	107.8%	20.0355	56.2554	19.3761	19.7726	17.6172	24.3024	20.0428
2	13:47:15	109.3%	19.4724	55.5345	19.3522	19.4164	16.8545	24.3961	19.2453
3	13:48:14	109.2%	18.7606	55.0235	19.1612	18.8424	15.6352	24.3352	19.1023
x		108.8%	19.4228	55.6045	19.2965	19.3438	16.7023	24.3446	19.4635
σ		0.9%	0.6389	0.6190	0.1178	0.4693	0.9997	0.0475	0.5068
%RSD		0.8	3.2894	1.1131	0.6103	2.4261	5.9857	0.1953	2.6038
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	13:46:18	20.8027	39.7060	19.9081	19.9736	20.4421	24.1782	23.6856	23.8240
2	13:47:15	19.8202	31.9588	19.1062	20.2330	19.9042	23.1917	24.8361	23.7668
3	13:48:14	19.6526	35.7097	19.1984	19.7279	19.9689	23.2237	23.9978	23.8545
x		20.0918	35.7915	19.4043	19.9782	20.1051	23.5312	24.1731	23.8151
σ		0.6213	3.8742	0.4388	0.2526	0.2937	0.5606	0.5950	0.0445
%RSD		3.0923	10.8244	2.2612	1.2642	1.4607	2.3822	2.4612	0.1869
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	13:46:18	104.5%	19.8902	22.8307	19.6952	19.4604	19.7852	20.3789	20.3400
2	13:47:15	105.2%	19.9445	20.4168	20.2909	20.9299	20.1367	20.0539	20.2491
3	13:48:14	105.9%	18.8214	22.8174	19.4916	21.1061	19.9806	20.0509	19.5893
x		105.2%	19.5520	22.0216	19.8259	20.4988	19.9675	20.1612	20.0595
σ		0.7%	0.6333	1.3899	0.4153	0.9036	0.1761	0.1885	0.4097
%RSD		0.6	3.2392	6.3113	2.0950	4.4081	0.8820	0.9350	2.0423
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	13:46:18	102.8%	19.1273	19.3784	19.8402	18.3388	18.8291	103.7%	19.5909
2	13:47:15	103.4%	19.2478	19.4198	19.1739	18.0702	18.9495	105.1%	19.8791
3	13:48:14	104.0%	18.8293	18.9150	19.6838	18.6227	18.9516	104.9%	19.8255
x		103.4%	19.0681	19.2377	19.5660	18.3439	18.9101	104.6%	19.7652
σ		0.6%	0.2154	0.2803	0.3485	0.2763	0.0701	0.8%	0.1533
%RSD		0.6	1.1299	1.4569	1.7810	1.5063	0.3707	0.7	0.7754
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	13:46:18	19.0477	40.6349	41.0304	41.0252	100.9%	19.6156	19.3868	20.8561
2	13:47:15	19.3753	40.5188	40.6218	41.1295	105.2%	19.1597	19.1582	20.6088
3	13:48:14	19.2783	39.7779	40.2051	40.7712	106.6%	19.2550	19.0496	20.5070
x		19.2338	40.3106	40.6191	40.9753	104.2%	19.3435	19.1982	20.6573
σ		0.1683	0.4649	0.4127	0.1843	2.9%	0.2405	0.1721	0.1795
%RSD		0.8749	1.1533	1.0159	0.4498	2.8	1.2432	0.8966	0.8691
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	13:46:18	20.7999	20.7990	100.6%	19.8054				
2	13:47:15	20.5445	20.5448	105.4%	19.9648				
3	13:48:14	20.5989	20.5951	106.3%	19.7615				
x		20.6478	20.6463	104.1%	19.8439				
σ		0.1345	0.1346	3.0%	0.1069				
%RSD		0.6516	0.6520	2.9	0.5389				

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Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	13:51:53	113.5%	-0.0038	0.4547	-0.1513	0.1072	-1.9154	0.0136	0.0001
2	13:52:52	114.8%	-0.0010	0.4147	-0.1479	0.0788	-2.2369	0.0188	0.0059
3	13:53:51	113.1%	-0.0006	0.4529	-0.1395	0.0998	-2.2567	0.0153	0.0102
x		113.8%	-0.0018	0.4408	-0.1462	0.0953	-2.1363	0.0159	0.0054
σ		0.9%	0.0017	0.0226	0.0061	0.0147	0.1916	0.0027	0.0051
%RSD		0.8	95.6315	5.1326	4.1791	15.4627	8.9680	16.8530	93.9133
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	13:51:53	0.0127	2.6556	0.1792	0.1729	0.0247	0.3151	0.0706	0.2722
2	13:52:52	0.0170	-0.7519	0.0647	0.1133	0.0169	0.2400	-0.0726	0.2949
3	13:53:51	0.0272	-2.6112	0.0077	0.1042	0.0020	0.2906	0.0698	0.2060
x		0.0190	-0.2359	0.0839	0.1301	0.0146	0.2819	0.0226	0.2577
σ		0.0074	2.6711	0.0874	0.0373	0.0115	0.0383	0.0824	0.0462
%RSD		39.1025	1132.5270	104.1413	28.6668	79.3306	13.5936	364.7455	17.9191
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	13:51:53	108.1%	0.1581	-0.3519	0.0880	0.4285	0.0434	0.0197	0.0396
2	13:52:52	109.7%	0.1226	-0.4053	-0.1238	0.2347	0.0432	0.0546	0.0518
3	13:53:51	108.3%	0.1033	-0.3515	-0.0583	0.1393	0.0352	0.0363	0.0515
x		108.7%	0.1280	-0.3695	-0.0314	0.2675	0.0406	0.0369	0.0476
σ		0.9%	0.0278	0.0309	0.1084	0.1474	0.0047	0.0175	0.0070
%RSD		0.8	21.7021	8.3701	345.5680	55.0932	11.4913	47.3603	14.6125
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	13:51:53	108.7%	0.0034	0.0047	0.0006	0.0003	0.0008	106.8%	0.0032
2	13:52:52	109.1%	0.0055	0.0030	0.0006	0.0013	0.0016	107.7%	0.0020
3	13:53:51	107.6%	0.0050	0.0041	-0.0015	0.0042	0.0007	108.7%	0.0055
x		108.5%	0.0046	0.0039	-0.0001	0.0019	0.0010	107.8%	0.0036
σ		0.8%	0.0011	0.0008	0.0012	0.0020	0.0005	1.0%	0.0018
%RSD		0.7	23.3547	21.2100	1056.2919	106.3891	45.9564	0.9	50.4697
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	13:51:53	0.0012	-0.0081	0.0158	0.0140	102.0%	-0.0005	-0.0053	0.0001
2	13:52:52	0.0026	-0.0054	0.0168	0.0067	106.1%	0.0029	-0.0079	0.0054
3	13:53:51	0.0026	0.0099	0.0094	0.0066	107.1%	-0.0049	-0.0062	0.0055
x		0.0021	-0.0012	0.0140	0.0091	105.1%	-0.0008	-0.0065	0.0037
σ		0.0008	0.0097	0.0040	0.0043	2.7%	0.0040	0.0013	0.0031
%RSD		39.2846	812.3147	28.8124	47.1495	2.6	481.5145	20.8945	84.5179
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	13:51:53	0.0042	0.0041	100.0%	0.0009				
2	13:52:52	0.0030	0.0040	104.7%	-0.0008				
3	13:53:51	0.0087	0.0088	106.1%	0.0003				
x		0.0053	0.0057	103.6%	0.0001				
σ		0.0030	0.0027	3.2%	0.0008				
%RSD		56.6628	48.3130	3.1	574.8019				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:56:28	111.7%	0.0010	5.3534	-0.1074	0.1370	-1.6901	1.8095	0.5656
2	13:57:26	113.1%	0.0016	5.0616	-0.0248	0.1094	-2.2898	1.7612	0.5252
3	13:58:25	114.2%	0.0027	5.1103	0.0816	0.1267	-2.1517	1.7657	0.5408
x		113.0%	0.0017	5.1751	-0.0169	0.1243	-2.0438	1.7788	0.5439
$\sigma$		1.2%	0.0009	0.1563	0.0947	0.0139	0.3140	0.0267	0.0203
%RSD		1.1	49.6591	3.0206	561.6930	11.1970	15.3648	1.4997	3.7411
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:56:28	0.6875	17.2182	0.5064	0.4409	0.4096	2.0772	2.4601	2.5715
2	13:57:26	0.7587	13.7368	0.4635	0.4148	0.3817	2.1084	1.8354	2.4121
3	13:58:25	0.6665	11.7311	0.3401	0.3707	0.4277	2.1633	2.0868	2.5200
x		0.7043	14.2287	0.4367	0.4088	0.4063	2.1163	2.1274	2.5012
$\sigma$		0.0483	2.7764	0.0863	0.0355	0.0232	0.0436	0.3143	0.0814
%RSD		6.8652	19.5129	19.7676	8.6855	5.7098	2.0592	14.7740	3.2528
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:56:28	108.2%	0.3035	0.7673	0.1725	0.3971	0.5241	0.5777	0.5504
2	13:57:26	109.4%	0.3325	0.8013	0.2252	0.3637	0.6303	0.5885	0.5964
3	13:58:25	108.1%	0.6089	-0.0205	0.0212	0.9514	0.6185	0.5536	0.6097
x		108.6%	0.4149	0.5161	0.1397	0.5707	0.5910	0.5732	0.5855
$\sigma$		0.7%	0.1686	0.4650	0.1059	0.3301	0.0582	0.0179	0.0311
%RSD		0.7	40.6214	90.1017	75.8280	57.8356	9.8538	3.1165	5.3152
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:56:28	107.5%	0.0029	0.0015	0.0292	0.0305	0.0301	105.5%	0.1352
2	13:57:26	106.6%	0.0029	0.0052	0.0268	0.0289	0.0384	108.3%	0.1255
3	13:58:25	105.4%	0.0051	0.0036	0.0290	0.0261	0.0328	108.0%	0.1245
x		106.5%	0.0037	0.0034	0.0283	0.0285	0.0338	107.3%	0.1284
$\sigma$		1.0%	0.0013	0.0019	0.0013	0.0022	0.0042	1.5%	0.0059
%RSD		1.0	34.2913	55.2708	4.7633	7.7554	12.5428	1.4	4.5967
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:56:28	0.1031	21.2956	21.5530	21.5829	102.8%	0.0314	0.0249	0.0839
2	13:57:26	0.1505	21.7834	21.5255	21.5705	107.2%	0.0305	0.0255	0.0942
3	13:58:25	0.1236	20.8487	20.9019	21.3313	108.6%	0.0218	0.0222	0.0863
x		0.1257	21.3092	21.3268	21.4949	106.2%	0.0279	0.0242	0.0881
$\sigma$		0.0238	0.4675	0.3682	0.1418	3.0%	0.0053	0.0017	0.0054
%RSD		18.9141	2.1937	1.7264	0.6598	2.9	19.1117	7.1303	6.1148
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	13:56:28	0.0900	0.0918	101.8%	0.4990				
2	13:57:26	0.0934	0.0938	106.1%	0.5056				
3	13:58:25	0.0959	0.0865	108.1%	0.5012				
x		0.0931	0.0907	105.4%	0.5019				
$\sigma$		0.0029	0.0038	3.2%	0.0034				
%RSD		3.1637	4.1824	3.1	0.6695				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:03	116.6%	0.0004	0.9656	-0.1116	0.1023	-2.2890	0.2197	0.0882
2	14:02:02	117.4%	-0.0006	0.9834	0.0213	0.0807	-2.7513	0.2213	0.0991
3	14:03:01	116.3%	0.0004	1.0521	-0.0437	0.0654	-2.5850	0.2271	0.0919
x		116.7%	0.0001	1.0004	-0.0447	0.0828	-2.5418	0.2227	0.0931
σ		0.6%	0.0006	0.0457	0.0665	0.0185	0.2342	0.0039	0.0055
%RSD		0.5	828.0652	4.5670	148.7591	22.3853	9.2125	1.7506	5.9389
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:03	0.0385	-0.0054	0.1739	0.1873	0.0273	0.2719	0.0474	0.2541
2	14:02:02	0.0023	-0.2832	0.1666	0.1008	0.0227	0.2496	-0.0549	0.3084
3	14:03:01	0.0209	-0.3030	0.0093	0.0838	0.0204	0.2345	-0.1721	0.2624
x		0.0206	-0.1972	0.1166	0.1240	0.0235	0.2520	-0.0599	0.2750
σ		0.0181	0.1664	0.0930	0.0555	0.0035	0.0188	0.1098	0.0292
%RSD		87.9682	84.3732	79.7267	44.7804	15.1242	7.4575	183.4179	10.6284
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:03	109.2%	0.2522	-0.7731	0.2613	0.3928	0.0177	0.0299	0.0184
2	14:02:02	111.7%	0.0722	-0.3255	-0.0820	0.2326	0.0257	0.0296	0.0122
3	14:03:01	112.1%	0.1808	-0.2379	-0.2061	0.4810	0.0207	0.0217	0.0242
x		111.0%	0.1684	-0.4455	-0.0089	0.3688	0.0214	0.0271	0.0183
σ		1.5%	0.0907	0.2871	0.2421	0.1259	0.0041	0.0047	0.0060
%RSD		1.4	53.8366	64.4313	2706.0640	34.1396	18.9816	17.3324	33.0850
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:03	111.0%	0.0002	0.0014	-0.0015	0.0003	0.0040	108.4%	0.0164
2	14:02:02	111.8%	0.0012	0.0019	-0.0015	0.0012	-0.0009	110.0%	0.0214
3	14:03:01	112.1%	0.0007	0.0019	-0.0015	0.0003	-0.0001	110.6%	0.0213
x		111.7%	0.0007	0.0017	-0.0015	0.0006	0.0010	109.7%	0.0197
σ		0.6%	0.0005	0.0003	0.0000	0.0006	0.0026	1.1%	0.0029
%RSD		0.5	69.5157	16.7774	0.0000	95.5769	259.5831	1.0	14.5810
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:03	0.0169	0.0071	0.0043	0.0050	105.0%	-0.0019	-0.0045	0.0752
2	14:02:02	0.0129	0.0032	0.0212	0.0103	108.5%	-0.0059	-0.0039	0.0767
3	14:03:01	0.0128	-0.0062	0.0277	0.0149	109.9%	-0.0001	-0.0066	0.0787
x		0.0142	0.0014	0.0177	0.0101	107.8%	-0.0027	-0.0050	0.0769
σ		0.0023	0.0069	0.0120	0.0049	2.5%	0.0030	0.0014	0.0017
%RSD		16.5260	500.3795	67.9793	49.1150	2.3	111.6423	28.7726	2.2514
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:01:03	0.0986	0.0843	102.9%	-0.0020				
2	14:02:02	0.0967	0.0865	107.8%	0.0030				
3	14:03:01	0.0831	0.0819	108.8%	-0.0016				
x		0.0928	0.0843	106.5%	-0.0002				
σ		0.0084	0.0023	3.1%	0.0028				
%RSD		9.0558	2.7273	2.9	1291.5934				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:34	110.8%	0.0016	53.9842	0.0198	0.2831	-2.1698	2.4941	0.0497
2	14:06:33	110.8%	0.0016	53.7446	0.0239	0.2727	-2.3785	2.5180	0.0440
3	14:07:32	110.2%	-0.0001	52.7159	-0.0844	0.2411	-2.1433	2.4965	0.0338
x		110.6%	0.0011	53.4816	-0.0135	0.2656	-2.2306	2.5029	0.0425
σ		0.4%	0.0010	0.6738	0.0614	0.0219	0.1288	0.0131	0.0081
%RSD		0.3	91.4266	1.2599	452.8540	8.2418	5.7757	0.5251	19.0126
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:34	0.2454	-0.7016	0.2922	1.3911	1.3809	8.4151	7.8736	8.5214
2	14:06:33	0.2503	-0.5929	0.3054	1.2335	1.2919	8.4480	7.5470	7.8471
3	14:07:32	0.2245	-0.1318	0.3620	1.3319	1.2014	8.2613	7.7524	8.0879
x		0.2401	-0.4754	0.3199	1.3188	1.2914	8.3748	7.7243	8.1521
σ		0.0137	0.3025	0.0371	0.0797	0.0898	0.0997	0.1651	0.3417
%RSD		5.7226	63.6279	11.5942	6.0397	6.9498	1.1903	2.1372	4.1913
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:34	107.0%	0.1527	-0.0623	0.1404	0.4320	0.0510	0.0558	0.0582
2	14:06:33	110.5%	0.2298	-0.5909	-0.2911	0.2346	0.0484	0.0576	0.0490
3	14:07:32	107.9%	0.1991	-0.2070	-0.0720	0.3993	0.0669	0.0507	0.0608
x		108.5%	0.1939	-0.2867	-0.0742	0.3553	0.0554	0.0547	0.0560
σ		1.8%	0.0388	0.2731	0.2157	0.1058	0.0100	0.0036	0.0062
%RSD		1.7	20.0163	95.2623	290.5686	29.7810	18.0717	6.5190	11.1474
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:34	106.9%	0.0019	0.0031	0.0193	0.0421	0.0280	103.9%	0.0484
2	14:06:33	108.4%	0.0055	0.0020	0.0086	0.0290	0.0419	107.5%	0.0454
3	14:07:32	105.8%	0.0046	0.0020	0.0189	0.0312	0.0306	107.1%	0.0475
x		107.0%	0.0040	0.0024	0.0156	0.0341	0.0335	106.2%	0.0471
σ		1.3%	0.0019	0.0007	0.0060	0.0070	0.0074	2.0%	0.0015
%RSD		1.2	46.9359	27.9716	38.7622	20.5496	22.0462	1.9	3.2034
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:34	0.0412	1.8618	1.9178	1.9643	101.7%	-0.0009	0.0009	0.6636
2	14:06:33	0.0465	1.9693	1.9278	1.9473	107.0%	-0.0036	-0.0048	0.7054
3	14:07:32	0.0414	1.7976	1.8369	1.9340	106.2%	-0.0013	0.0010	0.6626
x		0.0430	1.8762	1.8942	1.9485	105.0%	-0.0019	-0.0009	0.6772
σ		0.0030	0.0868	0.0498	0.0152	2.8%	0.0014	0.0033	0.0245
%RSD		6.9282	4.6261	2.6305	0.7817	2.7	73.7647	350.2341	3.6125
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:05:34	0.7552	0.7210	100.8%	0.0035				
2	14:06:33	0.7301	0.7476	106.1%	0.0014				
3	14:07:32	0.7751	0.7167	105.6%	0.0044				
x		0.7535	0.7284	104.1%	0.0031				
σ		0.0226	0.0168	2.9%	0.0015				
%RSD		2.9937	2.3027	2.8	49.8955				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:09	106.1%	-0.0024	13.3764	-0.1365	0.1150	-2.0918	2.4201	0.0079
2	14:11:06	108.5%	-0.0025	13.1245	-0.0397	0.0877	-2.6880	2.2951	0.0058
3	14:12:05	108.4%	0.0073	13.0661	0.0248	0.0934	-2.7479	2.3975	0.0029
x		107.7%	0.0008	13.1890	-0.0504	0.0987	-2.5092	2.3709	0.0055
σ		1.4%	0.0056	0.1649	0.0812	0.0144	0.3627	0.0666	0.0025
%RSD		1.3	707.7545	1.2505	160.9349	14.5909	14.4562	2.8084	45.0758
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:09	0.0174	0.2550	0.1469	0.9249	0.8326	0.9036	0.5305	0.8978
2	14:11:06	0.0535	0.4102	-0.0071	0.8101	0.7278	0.8150	0.7201	0.9289
3	14:12:05	0.0661	-2.0347	0.0143	0.7805	0.7451	0.9220	0.6165	0.8950
x		0.0457	-0.4565	0.0514	0.8385	0.7685	0.8802	0.6224	0.9072
σ		0.0253	1.3690	0.0835	0.0763	0.0562	0.0572	0.0949	0.0188
%RSD		55.3126	299.9002	162.4664	9.0954	7.3089	6.5016	15.2473	2.0761
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:09	101.8%	0.2465	-0.4628	0.2476	0.6855	0.0120	0.0153	0.0066
2	14:11:06	105.4%	0.1115	-0.4773	-0.2631	0.0727	0.0100	0.0065	0.0066
3	14:12:05	105.1%	0.0471	-0.1391	0.2865	0.2059	0.0154	0.0066	0.0055
x		104.1%	0.1350	-0.3597	0.0903	0.3214	0.0125	0.0095	0.0062
σ		2.0%	0.1018	0.1912	0.3067	0.3223	0.0027	0.0050	0.0006
%RSD		1.9	75.3643	53.1490	339.4339	100.2796	21.7565	53.3345	10.4366
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:09	102.3%	0.0004	0.0010	0.0029	0.0056	0.0062	100.1%	0.0080
2	14:11:06	103.4%	0.0014	0.0009	-0.0015	0.0024	0.0042	104.2%	0.0095
3	14:12:05	103.1%	0.0009	0.0004	0.0006	0.0054	0.0008	104.9%	0.0051
x		102.9%	0.0009	0.0008	0.0007	0.0045	0.0037	103.0%	0.0076
σ		0.5%	0.0005	0.0003	0.0022	0.0018	0.0027	2.6%	0.0022
%RSD		0.5	60.2561	44.4491	318.0771	40.8932	72.8296	2.5	29.5708
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:10:09	0.0054	0.1449	0.1248	0.1646	99.5%	-0.0051	-0.0065	0.0360
2	14:11:06	0.0098	0.1704	0.1557	0.1713	103.3%	-0.0070	-0.0039	0.0247
3	14:12:05	0.0082	0.1429	0.1577	0.1643	104.8%	-0.0041	-0.0041	0.0397
x		0.0078	0.1527	0.1461	0.1667	102.6%	-0.0054	-0.0048	0.0335
σ		0.0022	0.0153	0.0185	0.0040	2.8%	0.0015	0.0014	0.0078
%RSD		28.4949	10.0500	12.6453	2.3774	2.7	27.1615	28.9508	23.3720
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:10:09	0.0340	0.0373	98.2%	0.0001				
2	14:11:06	0.0343	0.0322	102.4%	0.0010				
3	14:12:05	0.0284	0.0361	103.8%	-0.0002				
x		0.0323	0.0352	101.4%	0.0003				
σ		0.0034	0.0027	2.9%	0.0006				
%RSD		10.4017	7.6411	2.9	204.4246				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:36	104.9%	-0.0003	1.6964	-0.1543	0.1259	-1.9979	0.5674	-0.0062
2	14:15:33	105.7%	0.0024	1.8188	-0.0564	0.1058	-2.5603	0.5758	-0.0025
3	14:16:32	106.8%	-0.0040	1.5672	-0.1802	0.0703	-2.2919	0.5754	0.0042
x		105.8%	-0.0006	1.6941	-0.1303	0.1007	-2.2834	0.5729	-0.0015
$\sigma$		1.0%	0.0032	0.1258	0.0653	0.0282	0.2813	0.0048	0.0053
%RSD		0.9	501.5663	7.4256	50.1426	27.9853	12.3177	0.8292	352.4565
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:36	0.0179	-0.2176	0.0821	0.1603	-0.0010	0.2425	-0.0969	0.1975
2	14:15:33	0.0045	-0.1680	0.1639	0.0986	0.0689	0.2052	0.2077	0.3083
3	14:16:32	0.0192	-0.4546	0.0126	0.0284	0.0320	0.2401	-0.1012	0.2459
x		0.0139	-0.2801	0.0862	0.0958	0.0333	0.2293	0.0032	0.2506
$\sigma$		0.0082	0.1532	0.0757	0.0660	0.0350	0.0209	0.1771	0.0555
%RSD		58.8408	54.6823	87.8752	68.9490	105.0291	9.1060	5494.0600	22.1682
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:36	100.6%	0.1370	-0.6071	0.0557	0.2082	0.0066	0.0183	0.0022
2	14:15:33	102.5%	0.0676	0.0741	0.1331	0.4106	0.0048	0.0038	0.0033
3	14:16:32	104.2%	0.0602	-0.4732	0.0597	-0.0277	0.0153	0.0009	0.0033
x		102.4%	0.0883	-0.3354	0.0828	0.1971	0.0089	0.0076	0.0029
$\sigma$		1.8%	0.0424	0.3609	0.0436	0.2193	0.0056	0.0094	0.0006
%RSD		1.7	47.9836	107.5956	52.5859	111.3030	63.2047	122.4349	20.7209
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:36	101.7%	-0.0008	0.0015	0.0007	-0.0007	0.0000	99.4%	0.0028
2	14:15:33	103.0%	-0.0002	0.0009	-0.0015	0.0014	0.0008	101.9%	0.0027
3	14:16:32	104.0%	0.0025	0.0004	-0.0015	0.0024	0.0008	104.3%	0.0033
x		102.9%	0.0005	0.0010	-0.0007	0.0010	0.0006	101.9%	0.0030
$\sigma$		1.2%	0.0017	0.0006	0.0013	0.0016	0.0005	2.5%	0.0003
%RSD		1.1	342.9625	62.0799	171.5643	155.1954	86.1572	2.4	9.9881
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:36	0.0022	0.0546	0.0644	0.0654	98.6%	-0.0030	-0.0026	0.0103
2	14:15:33	0.0021	0.0485	0.0540	0.0494	103.5%	-0.0045	-0.0053	0.0127
3	14:16:32	0.0020	0.0404	0.0506	0.0465	105.0%	0.0025	-0.0043	0.0037
x		0.0021	0.0478	0.0563	0.0538	102.4%	-0.0017	-0.0041	0.0089
$\sigma$		0.0001	0.0071	0.0072	0.0102	3.3%	0.0037	0.0014	0.0047
%RSD		4.8401	14.9394	12.7205	18.9647	3.2	218.1955	33.2207	52.7661
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:14:36	0.0089	0.0101	97.4%	0.0010				
2	14:15:33	0.0125	0.0118	102.5%	-0.0022				
3	14:16:32	0.0124	0.0081	104.1%	0.0008				
x		0.0113	0.0100	101.4%	-0.0001				
$\sigma$		0.0021	0.0018	3.5%	0.0018				
%RSD		18.2468	18.3650	3.4	1368.9039				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:03	104.5%	-0.0002	2.2870	-0.1935	0.0783	-2.0465	0.5560	-0.0041
2	14:20:02	106.8%	0.0031	2.3068	-0.1016	0.0777	-2.4205	0.5393	0.0001
3	14:21:01	107.7%	-0.0027	2.1874	-0.0591	0.0684	-2.4121	0.5682	0.0072
x		106.3%	0.0000	2.2604	-0.1180	0.0748	-2.2930	0.5545	0.0011
σ		1.6%	0.0029	0.0640	0.0687	0.0056	0.2135	0.0145	0.0057
%RSD		1.5	6921.3346	2.8297	58.2055	7.4434	9.3114	2.6168	523.6526
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:03	0.0129	-0.7873	0.0707	0.2402	0.1083	0.7622	0.6964	0.7884
2	14:20:02	0.0148	1.2057	-0.0083	0.1305	0.0674	0.7054	0.4499	0.7363
3	14:21:01	0.0274	-1.8111	0.0065	0.1058	0.1036	0.7273	0.2083	0.8053
x		0.0183	-0.4642	0.0230	0.1588	0.0931	0.7317	0.4515	0.7767
σ		0.0079	1.5341	0.0420	0.0716	0.0224	0.0287	0.2440	0.0360
%RSD		42.9949	330.4566	182.8376	45.0671	24.0207	3.9166	54.0436	4.6349
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:03	100.1%	0.1259	-0.3542	0.0079	0.4167	0.0012	0.0010	0.0034
2	14:20:02	101.9%	0.1637	-0.5126	-0.2267	0.3780	0.0084	0.0038	0.0033
3	14:21:01	102.3%	0.1249	-0.4144	0.0870	0.3441	0.0084	0.0096	0.0067
x		101.5%	0.1382	-0.4271	-0.0439	0.3796	0.0060	0.0048	0.0045
σ		1.2%	0.0221	0.0799	0.1632	0.0363	0.0042	0.0044	0.0019
%RSD		1.1	16.0171	18.7145	371.4876	9.5608	69.1375	92.4595	43.4245
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:03	101.0%	-0.0008	-0.0002	0.0029	0.0025	0.0035	100.2%	0.0073
2	14:20:02	102.5%	0.0014	0.0015	0.0028	0.0045	0.0026	102.8%	0.0078
3	14:21:01	101.3%	0.0015	0.0009	0.0007	0.0014	0.0034	103.6%	0.0052
x		101.6%	0.0007	0.0008	0.0021	0.0028	0.0032	102.2%	0.0068
σ		0.8%	0.0013	0.0009	0.0013	0.0016	0.0005	1.8%	0.0014
%RSD		0.8	177.9808	115.3583	59.4673	56.9634	16.6601	1.8	20.3387
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:03	0.0022	0.4008	0.3251	0.3269	99.5%	0.0007	-0.0052	0.0333
2	14:20:02	0.0060	0.3778	0.3328	0.3529	103.4%	-0.0039	-0.0065	0.0264
3	14:21:01	0.0067	0.3578	0.3551	0.3458	104.9%	-0.0081	-0.0038	0.0343
x		0.0050	0.3788	0.3377	0.3418	102.6%	-0.0037	-0.0052	0.0314
σ		0.0024	0.0215	0.0156	0.0134	2.8%	0.0044	0.0014	0.0043
%RSD		49.3557	5.6744	4.6154	3.9337	2.7	117.5225	26.3547	13.7583
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:19:03	0.0354	0.0332	99.0%	-0.0007				
2	14:20:02	0.0413	0.0336	103.3%	0.0007				
3	14:21:01	0.0368	0.0376	104.6%	0.0015				
x		0.0378	0.0348	102.3%	0.0005				
σ		0.0031	0.0024	2.9%	0.0011				
%RSD		8.0827	7.0151	2.9	222.7088				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:37	102.3%	-0.0022	1.1935	-0.0883	0.0932	-2.2925	0.5924	0.0003
2	14:24:34	104.1%	0.0009	1.2474	-0.1308	0.0648	-2.4369	0.5486	-0.0043
3	14:25:33	104.8%	-0.0027	1.2247	-0.1687	0.0574	-2.3598	0.5848	0.0002
x		103.7%	-0.0013	1.2219	-0.1293	0.0718	-2.3631	0.5753	-0.0013
$\sigma$		1.3%	0.0019	0.0270	0.0402	0.0189	0.0723	0.0234	0.0026
%RSD		1.2	143.4928	2.2137	31.0984	26.3600	3.0594	4.0759	210.4920
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:37	0.0157	-0.8380	0.0851	0.1228	0.0000	0.7621	0.5093	0.7650
2	14:24:34	0.0305	-0.7899	-0.0053	0.0301	-0.0260	0.6888	0.3275	0.7364
3	14:25:33	0.0046	-2.1067	-0.0243	0.0070	-0.0328	0.6732	0.2130	0.6566
x		0.0170	-1.2449	0.0185	0.0533	-0.0196	0.7080	0.3499	0.7194
$\sigma$		0.0130	0.7468	0.0584	0.0613	0.0174	0.0475	0.1494	0.0562
%RSD		76.5919	59.9894	315.4496	114.9298	88.5131	6.7060	42.6955	7.8085
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:37	99.7%	0.1597	-0.3484	0.1178	0.4907	0.0013	0.0010	0.0000
2	14:24:34	101.6%	0.2009	0.1356	0.5477	0.9641	0.0067	0.0039	0.0011
3	14:25:33	101.9%	0.1839	-0.4622	-0.1075	0.4814	0.0139	0.0125	0.0067
x		101.1%	0.1815	-0.2250	0.1860	0.6454	0.0073	0.0058	0.0026
$\sigma$		1.2%	0.0207	0.3174	0.3329	0.2760	0.0063	0.0060	0.0036
%RSD		1.2	11.4096	141.0620	178.9833	42.7687	87.1096	103.1639	137.6174
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:37	97.8%	-0.0007	0.0004	0.0008	0.0026	0.0009	97.2%	-0.0004
2	14:24:34	100.7%	0.0004	0.0015	-0.0015	0.0024	-0.0009	102.7%	0.0021
3	14:25:33	101.2%	0.0015	-0.0002	-0.0015	-0.0007	-0.0000	101.6%	0.0002
x		99.9%	0.0004	0.0006	-0.0007	0.0014	0.0000	100.5%	0.0006
$\sigma$		1.9%	0.0011	0.0009	0.0013	0.0019	0.0009	2.9%	0.0013
%RSD		1.9	302.1769	151.2016	181.4477	129.6384	7902.1409	2.9	211.3777
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:23:37	-0.0002	0.0079	0.0347	0.0412	97.1%	-0.0077	-0.0045	0.0073
2	14:24:34	0.0013	0.0384	0.0334	0.0403	102.6%	0.0007	-0.0064	0.0082
3	14:25:33	0.0005	0.0255	0.0373	0.0388	103.9%	-0.0022	-0.0062	0.0023
x		0.0005	0.0240	0.0351	0.0401	101.2%	-0.0031	-0.0057	0.0059
$\sigma$		0.0007	0.0153	0.0020	0.0012	3.6%	0.0042	0.0011	0.0032
%RSD		145.2173	63.9934	5.5772	2.9821	3.6	137.1600	18.7514	53.9455
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:23:37	0.0109	0.0072	96.5%	0.0010				
2	14:24:34	0.0075	0.0081	101.8%	0.0003				
3	14:25:33	0.0003	0.0044	103.6%	-0.0003				
x		0.0063	0.0066	100.6%	0.0003				
$\sigma$		0.0054	0.0019	3.7%	0.0006				
%RSD		86.4881	29.0158	3.7	186.6861				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:07	107.4%	0.0043	39.7453	0.0898	0.3649	-1.9444	8.9471	0.1006
2	14:29:06	110.7%	0.0012	37.9111	0.0844	0.3042	-2.0956	8.7428	0.0820
3	14:30:05	110.8%	-0.0043	37.4448	0.1703	0.3023	-2.4291	8.6322	0.0819
x		109.6%	0.0004	38.3671	0.1148	0.3238	-2.1563	8.7740	0.0882
σ		1.9%	0.0043	1.2162	0.0481	0.0356	0.2480	0.1597	0.0108
%RSD		1.8	1060.2851	3.1698	41.8871	10.9994	11.5015	1.8206	12.2287
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:07	0.9058	15.2587	0.6326	1.1564	1.0301	3.6320	3.7720	3.9797
2	14:29:06	0.9022	13.5432	0.6150	0.9416	1.0037	3.6368	3.7795	3.8864
3	14:30:05	0.7515	13.3056	0.5699	0.9117	0.8709	3.6036	3.4924	3.8121
x		0.8532	14.0358	0.6058	1.0032	0.9683	3.6242	3.6813	3.8927
σ		0.0881	1.0657	0.0324	0.1335	0.0853	0.0180	0.1636	0.0840
%RSD		10.3253	7.5926	5.3432	13.3073	8.8103	0.4956	4.4447	2.1571
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:07	103.6%	0.3318	0.6008	0.4258	0.2737	0.5644	0.4428	0.5244
2	14:29:06	108.2%	0.2612	0.7273	0.1010	0.4636	0.5053	0.4726	0.5557
3	14:30:05	107.0%	0.1533	0.7472	0.0852	0.0075	0.6235	0.4796	0.5098
x		106.3%	0.2488	0.6918	0.2040	0.2483	0.5644	0.4650	0.5300
σ		2.4%	0.0899	0.0794	0.1923	0.2291	0.0591	0.0196	0.0234
%RSD		2.3	36.1450	11.4758	94.2587	92.2693	10.4674	4.2081	4.4200
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:07	103.1%	0.0026	0.0061	0.0495	0.0441	0.0512	101.9%	0.1639
2	14:29:06	105.5%	0.0035	0.0026	0.0438	0.0548	0.0419	105.6%	0.1560
3	14:30:05	103.9%	0.0057	0.0042	0.0641	0.0605	0.0480	107.1%	0.1442
x		104.2%	0.0039	0.0043	0.0525	0.0531	0.0470	104.9%	0.1547
σ		1.2%	0.0016	0.0018	0.0105	0.0083	0.0047	2.6%	0.0099
%RSD		1.2	41.2769	40.7832	19.9623	15.6284	10.0410	2.5	6.4191
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:07	0.1863	21.5996	21.0237	21.8054	101.1%	0.0104	0.0094	0.7498
2	14:29:06	0.1607	21.2772	21.5146	21.2657	107.6%	0.0201	0.0136	0.7034
3	14:30:05	0.1699	20.6870	21.1926	21.2097	108.6%	0.0169	0.0129	0.7289
x		0.1723	21.1879	21.2436	21.4269	105.8%	0.0158	0.0120	0.7273
σ		0.0129	0.4628	0.2494	0.3290	4.1%	0.0050	0.0022	0.0232
%RSD		7.5056	2.1841	1.1741	1.5353	3.8	31.4528	18.6166	3.1952
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:28:07	0.9027	0.8408	99.2%	0.4943				
2	14:29:06	0.8951	0.8055	105.8%	0.4870				
3	14:30:05	0.8525	0.8069	107.2%	0.4669				
x		0.8834	0.8177	104.1%	0.4827				
σ		0.0271	0.0200	4.3%	0.0142				
%RSD		3.0642	2.4480	4.1	2.9366				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:42	112.0%	24.6922	24.2132	23.6722	24.2253	23.2496	24.2784	24.4512
2	14:33:41	109.7%	24.4752	24.5199	24.2331	24.6397	21.6042	24.4427	24.2830
3	14:34:40	109.4%	23.9042	23.9915	24.2675	24.6052	22.1689	24.5744	24.4546
x		110.4%	24.3572	24.2416	24.0576	24.4901	22.3409	24.4318	24.3962
$\sigma$		1.4%	0.4070	0.2653	0.3342	0.2299	0.8361	0.1483	0.0981
%RSD		1.3	1.6711	1.0946	1.3891	0.9388	3.7423	0.6070	0.4022
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:42	25.0640	28.7949	24.8477	25.2910	24.8994	23.9744	23.6946	24.1510
2	14:33:41	24.1376	26.3155	24.7793	24.2402	24.2359	24.5472	23.9619	23.9497
3	14:34:40	24.2537	27.1126	23.9833	24.2721	24.5683	24.5893	24.4198	24.8910
x		24.4851	27.4077	24.5367	24.6011	24.5679	24.3703	24.0254	24.3306
$\sigma$		0.5047	1.2658	0.4805	0.5977	0.3317	0.3435	0.3667	0.4957
%RSD		2.0611	4.6183	1.9584	2.4295	1.3503	1.4095	1.5263	2.0372
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:42	107.6%	24.4860	28.5050	24.4270	26.7786	23.9241	24.0284	23.6410
2	14:33:41	107.8%	23.5737	25.9252	24.6359	25.2130	24.4006	24.9944	24.5305
3	14:34:40	106.6%	24.1455	25.2718	24.5666	24.6034	24.2205	24.2742	24.6641
x		107.4%	24.0684	26.5673	24.5431	25.5317	24.1817	24.4323	24.2785
$\sigma$		0.7%	0.4610	1.7096	0.1064	1.1221	0.2406	0.5020	0.5561
%RSD		0.6	1.9152	6.4349	0.4335	4.3948	0.9950	2.0549	2.2906
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:42	107.3%	24.4317	24.4125	24.0345	23.6052	23.7795	107.0%	24.3748
2	14:33:41	105.4%	24.5628	24.9386	25.0056	24.6849	25.0015	106.8%	25.0841
3	14:34:40	105.6%	24.8921	24.4590	25.3697	24.5613	24.2759	106.4%	24.6098
x		106.1%	24.6289	24.6034	24.8033	24.2838	24.3523	106.7%	24.6896
$\sigma$		1.0%	0.2372	0.2913	0.6902	0.5909	0.6146	0.3%	0.3613
%RSD		1.0	0.9632	1.1839	2.7827	2.4333	2.5237	0.3	1.4634
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:42	24.0542	23.7180	24.3625	24.1756	103.7%	24.2268	24.2289	24.3225
2	14:33:41	24.7173	24.3987	24.6890	24.6982	106.3%	24.7498	24.6488	24.6506
3	14:34:40	24.4227	24.6108	24.2352	24.7849	106.5%	24.5979	24.5212	24.7085
x		24.3981	24.2425	24.4289	24.5529	105.5%	24.5248	24.4663	24.5606
$\sigma$		0.3322	0.4665	0.2341	0.3296	1.6%	0.2691	0.2153	0.2082
%RSD		1.3617	1.9241	0.9581	1.3425	1.5	1.0971	0.8799	0.8477
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:32:42	23.9916	24.1813	102.1%	23.9535				
2	14:33:41	24.4733	24.5867	105.6%	24.5491				
3	14:34:40	24.4928	24.5714	106.5%	24.3663				
x		24.3192	24.4465	104.8%	24.2897				
$\sigma$		0.2839	0.2298	2.3%	0.3051				
%RSD		1.1674	0.9399	2.2	1.2562				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:48	104.3%	0.0061	-0.0744	-0.1833	0.0583	-2.4261	0.0001	0.0006
2	14:43:45	106.9%	-0.0007	-0.0542	-0.0878	0.0427	-2.8145	-0.0022	0.0025
3	14:44:44	107.1%	-0.0017	-0.0668	-0.0635	0.0203	-2.9034	-0.0045	-0.0020
X		106.1%	0.0012	-0.0651	-0.1115	0.0404	-2.7147	-0.0022	0.0004
σ		1.6%	0.0043	0.0102	0.0634	0.0191	0.2538	0.0023	0.0023
%RSD		1.5	349.7882	15.7284	56.8082	47.1806	9.3491	103.0574	608.1220
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:48	-0.0055	-0.5115	0.2114	0.1042	-0.0164	-0.0400	-0.4340	-0.0533
2	14:43:45	0.0019	-0.1970	-0.0863	0.0205	-0.0269	-0.0241	-0.3921	-0.0319
3	14:44:44	-0.0036	-0.9404	-0.0443	0.0111	-0.0242	-0.0312	-0.4291	-0.0454
X		-0.0024	-0.5496	0.0270	0.0453	-0.0225	-0.0318	-0.4184	-0.0435
σ		0.0038	0.3731	0.1611	0.0513	0.0054	0.0080	0.0229	0.0108
%RSD		158.6614	67.8904	597.6248	113.2033	24.1561	25.0635	5.4781	24.8816
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:48	100.5%	0.1745	-0.1032	0.3293	0.6605	0.0142	0.0158	0.0193
2	14:43:45	102.6%	0.0988	-0.6116	0.2892	0.0024	0.0360	0.0361	0.0316
3	14:44:44	104.9%	0.1989	-0.5721	-0.2718	0.4060	0.0472	0.0348	0.0305
X		102.7%	0.1574	-0.4290	0.1156	0.3563	0.0324	0.0289	0.0272
σ		2.2%	0.0522	0.2828	0.3361	0.3319	0.0168	0.0114	0.0068
%RSD		2.1	33.1710	65.9194	290.8304	93.1489	51.7542	39.4703	25.0306
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:48	99.4%	0.0010	0.0022	-0.0015	-0.0007	0.0027	99.0%	0.0002
2	14:43:45	99.8%	0.0032	0.0056	0.0007	0.0035	-0.0000	103.2%	0.0008
3	14:44:44	103.7%	0.0025	0.0032	-0.0015	-0.0007	-0.0000	103.5%	0.0002
X		101.0%	0.0022	0.0036	-0.0007	0.0007	0.0009	101.9%	0.0004
σ		2.4%	0.0011	0.0017	0.0012	0.0024	0.0016	2.5%	0.0004
%RSD		2.3	51.1012	47.9508	165.1894	353.6652	178.7898	2.5	86.2157
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:48	0.0006	0.0039	0.0049	0.0072	98.0%	-0.0028	-0.0036	0.0043
2	14:43:45	0.0005	-0.0075	-0.0112	0.0018	102.8%	-0.0008	-0.0017	0.0014
3	14:44:44	0.0005	-0.0014	0.0124	-0.0055	105.5%	0.0047	0.0013	0.0050
X		0.0005	-0.0017	0.0020	0.0012	102.1%	0.0004	-0.0013	0.0036
σ		0.0001	0.0057	0.0121	0.0063	3.8%	0.0039	0.0025	0.0019
%RSD		12.8261	339.6784	592.2332	539.3504	3.7	1082.3080	186.7145	53.3542
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:42:48	0.0015	0.0047	96.3%	-0.0018				
2	14:43:45	-0.0040	-0.0004	101.8%	0.0005				
3	14:44:44	-0.0000	0.0026	105.1%	-0.0014				
X		-0.0009	0.0023	101.1%	-0.0009				
σ		0.0028	0.0026	4.4%	0.0012				
%RSD		332.9126	113.6308	4.4	135.6766				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:16	105.0%	-0.0017	1.1076	-0.1818	0.0878	-2.3797	0.0564	0.0032
2	14:48:15	106.5%	-0.0030	1.1612	-0.0622	0.0679	-2.8606	0.0467	-0.0075
3	14:49:14	106.0%	-0.0020	1.1172	-0.0711	0.0481	-2.7902	0.0626	-0.0022
x		105.8%	-0.0022	1.1287	-0.1050	0.0680	-2.6768	0.0552	-0.0022
σ		0.8%	0.0007	0.0285	0.0666	0.0198	0.2598	0.0080	0.0053
%RSD		0.7	29.9393	2.5289	63.4250	29.2022	9.7041	14.4881	245.5150
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:16	0.0232	1.1039	0.2193	0.2767	0.2011	0.9218	0.7263	0.9498
2	14:48:15	0.0482	0.1812	0.0194	0.1601	0.1483	0.9411	0.7832	0.9144
3	14:49:14	0.0194	-0.5159	0.1100	0.1656	0.1574	0.9600	0.5261	0.8933
x		0.0303	0.2564	0.1162	0.2008	0.1690	0.9410	0.6785	0.9192
σ		0.0156	0.8125	0.1001	0.0658	0.0282	0.0191	0.1351	0.0286
%RSD		51.6240	316.8754	86.1062	32.7575	16.7025	2.0257	19.9062	3.1064
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:16	100.3%	-0.1803	-0.1009	0.0438	-0.6278	0.0049	0.0040	0.0091
2	14:48:15	101.9%	0.1667	-0.3147	0.0464	0.5147	0.0084	0.0182	0.0133
3	14:49:14	103.7%	-0.0645	-0.5170	0.0979	-0.4039	0.0103	0.0039	0.0101
x		101.9%	-0.0260	-0.3109	0.0627	-0.1723	0.0079	0.0087	0.0108
σ		1.7%	0.1767	0.2081	0.0305	0.6054	0.0027	0.0082	0.0022
%RSD		1.7	678.5852	66.9330	48.6808	351.3320	34.3971	95.0865	20.0973
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:16	99.0%	-0.0002	0.0010	0.0007	0.0004	0.0036	99.5%	0.0022
2	14:48:15	102.3%	0.0026	0.0009	0.0007	0.0035	0.0008	102.1%	0.0002
3	14:49:14	100.5%	0.0004	0.0010	-0.0015	-0.0007	0.0026	102.4%	0.0027
x		100.6%	0.0009	0.0010	-0.0000	0.0010	0.0023	101.3%	0.0017
σ		1.6%	0.0015	0.0000	0.0012	0.0022	0.0014	1.6%	0.0013
%RSD		1.6	158.1655	1.8385	8247.6615	208.3087	59.0116	1.6	78.0273
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:16	0.0006	0.0274	0.0624	0.0492	98.5%	-0.0057	-0.0016	0.0135
2	14:48:15	0.0037	0.0551	0.0503	0.0529	103.1%	-0.0077	-0.0063	0.0076
3	14:49:14	0.0021	0.0252	0.0500	0.0586	103.7%	-0.0078	-0.0028	0.0114
x		0.0021	0.0359	0.0542	0.0535	101.7%	-0.0071	-0.0036	0.0108
σ		0.0016	0.0166	0.0071	0.0048	2.8%	0.0012	0.0024	0.0030
%RSD		74.1865	46.2958	13.0710	8.8965	2.8	16.6052	67.6562	27.3960
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:47:16	0.0120	0.0145	98.3%	-0.0012				
2	14:48:15	0.0146	0.0098	102.7%	0.0007				
3	14:49:14	0.0112	0.0124	103.3%	-0.0017				
x		0.0126	0.0122	101.5%	-0.0007				
σ		0.0017	0.0024	2.8%	0.0013				
%RSD		13.8288	19.3565	2.7	182.8943				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:49	108.1%	-0.0001	5.7883	0.0236	0.1355	-2.3227	1.4285	0.1391
2	14:52:48	112.4%	0.0053	5.5802	0.0158	0.1045	-2.6608	1.3711	0.1165
3	14:53:47	111.9%	-0.0049	5.5489	-0.0388	0.1039	-2.6169	1.4046	0.1102
X		110.8%	0.0001	5.6392	0.0002	0.1146	-2.5335	1.4014	0.1219
$\sigma$		2.3%	0.0051	0.1301	0.0340	0.0181	0.1839	0.0288	0.0152
%RSD		2.1	4400.1752	2.3074	15961.4330	15.7673	7.2574	2.0572	12.4747
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:49	0.8931	15.8063	0.5493	0.4000	0.4023	1.1901	1.2427	1.5341
2	14:52:48	0.7786	13.0360	0.5249	0.4419	0.3895	1.2500	1.6218	1.6057
3	14:53:47	0.7386	10.1516	0.4550	0.3321	0.3429	1.1905	1.3107	1.5769
X		0.8034	12.9979	0.5097	0.3913	0.3783	1.2102	1.3917	1.5723
$\sigma$		0.0802	2.8275	0.0490	0.0554	0.0313	0.0345	0.2021	0.0360
%RSD		9.9823	21.7538	9.6042	14.1600	8.2661	2.8487	14.5243	2.2902
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:49	104.5%	0.3631	0.2999	0.3673	0.5410	0.6932	0.6530	0.6336
2	14:52:48	109.0%	0.2568	0.2498	0.1244	0.0104	0.5872	0.7165	0.6127
3	14:53:47	107.3%	0.5593	-0.0613	0.1854	0.8587	0.6397	0.7301	0.6391
X		107.0%	0.3931	0.1628	0.2257	0.4700	0.6400	0.6999	0.6285
$\sigma$		2.3%	0.1535	0.1957	0.1264	0.4286	0.0530	0.0412	0.0139
%RSD		2.2	39.0400	120.2219	55.9984	91.1830	8.2855	5.8847	2.2196
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:49	103.1%	0.0014	0.0004	0.0155	0.0221	0.0181	102.7%	0.1376
2	14:52:48	106.4%	0.0013	0.0031	0.0148	0.0173	0.0257	106.7%	0.1569
3	14:53:47	104.8%	0.0019	0.0042	0.0190	0.0194	0.0249	106.7%	0.1618
X		104.8%	0.0016	0.0026	0.0164	0.0196	0.0229	105.4%	0.1521
$\sigma$		1.7%	0.0003	0.0020	0.0023	0.0024	0.0042	2.3%	0.0128
%RSD		1.6	19.3825	77.2337	13.7404	12.3597	18.2394	2.2	8.3911
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:49	0.1551	20.7909	21.1875	20.7819	100.5%	0.0077	0.0085	0.0318
2	14:52:48	0.1607	20.3324	20.2530	20.3992	107.7%	0.0085	0.0113	0.0281
3	14:53:47	0.1622	20.4121	20.8707	20.6433	107.9%	0.0078	0.0082	0.0287
X		0.1594	20.5118	20.7704	20.6081	105.4%	0.0080	0.0093	0.0295
$\sigma$		0.0037	0.2450	0.4753	0.1938	4.2%	0.0004	0.0017	0.0020
%RSD		2.3490	1.1944	2.2883	0.9402	4.0	5.3636	17.9047	6.6915
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:51:49	0.0489	0.0405	100.6%	0.4822				
2	14:52:48	0.0333	0.0328	105.6%	0.4704				
3	14:53:47	0.0431	0.0394	107.4%	0.4742				
X		0.0418	0.0375	104.5%	0.4756				
$\sigma$		0.0079	0.0042	3.5%	0.0060				
%RSD		18.8980	11.1229	3.4	1.2649				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	113.6%	0.0010	0.5237	-0.1039	0.1235	-2.6893	0.4587	0.2723
2	14:57:21	116.5%	0.0052	0.5062	-0.2416	0.1199	-2.6196	0.4436	0.2405
3	14:58:20	115.3%	-0.0015	0.5202	-0.0359	0.0918	-3.1673	0.4489	0.2449
x		115.1%	0.0015	0.5167	-0.1271	0.1117	-2.8254	0.4504	0.2526
σ		1.4%	0.0034	0.0092	0.1048	0.0174	0.2981	0.0076	0.0172
%RSD		1.3	219.2980	1.7856	82.4127	15.5707	10.5525	1.6936	6.8235
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	0.0341	0.0033	0.1231	0.1836	0.0892	0.3070	-0.0982	0.2524
2	14:57:21	0.0259	-0.7428	0.0718	0.1444	0.0651	0.3093	-0.0673	0.3004
3	14:58:20	0.0446	-1.7419	0.0718	0.0885	0.0769	0.3113	0.0915	0.2616
x		0.0349	-0.8272	0.0889	0.1388	0.0771	0.3092	-0.0247	0.2714
σ		0.0094	0.8756	0.0296	0.0478	0.0120	0.0022	0.1018	0.0255
%RSD		27.0139	105.8616	33.3195	34.4364	15.6386	0.7019	412.9906	9.3878
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	109.0%	0.1873	-0.2164	0.1844	0.7155	0.0079	0.0089	0.0104
2	14:57:21	111.3%	0.0828	-0.6407	-0.0133	-0.0164	0.0175	-0.0020	0.0121
3	14:58:20	111.5%	0.2063	-0.4596	-0.4833	0.4833	0.0209	0.0166	0.0214
x		110.6%	0.1588	-0.4389	-0.1041	0.3942	0.0154	0.0078	0.0147
σ		1.4%	0.0665	0.2129	0.3429	0.3740	0.0068	0.0093	0.0059
%RSD		1.3	41.8899	48.5049	329.5632	94.8846	43.8275	118.9196	40.2506
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	108.2%	0.0013	0.0009	-0.0015	0.0033	-0.0009	107.2%	0.0658
2	14:57:21	112.2%	-0.0003	0.0003	-0.0015	-0.0007	-0.0009	109.7%	0.0582
3	14:58:20	111.0%	0.0023	0.0024	-0.0015	0.0041	-0.0009	111.1%	0.0634
x		110.5%	0.0011	0.0012	-0.0015	0.0022	-0.0009	109.4%	0.0624
σ		2.0%	0.0013	0.0011	0.0000	0.0026	0.0000	2.0%	0.0039
%RSD		1.8	118.7642	89.4643	0.0000	115.8624	0.0000	1.8	6.2124
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:22	0.0636	0.0077	0.0102	0.0052	102.9%	0.0003	-0.0056	0.0066
2	14:57:21	0.0559	-0.0213	0.0143	0.0089	107.9%	0.0014	-0.0060	0.0042
3	14:58:20	0.0692	-0.0062	0.0157	0.0050	108.7%	-0.0060	-0.0038	0.0092
x		0.0629	-0.0066	0.0134	0.0064	106.5%	-0.0014	-0.0051	0.0067
σ		0.0067	0.0145	0.0029	0.0022	3.1%	0.0040	0.0012	0.0025
%RSD		10.5827	219.7908	21.4081	34.6236	2.9	278.7447	23.0279	37.2468
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	14:56:22	0.0064	0.0084	101.8%	-0.0006				
2	14:57:21	0.0045	0.0076	106.5%	-0.0021				
3	14:58:20	0.0086	0.0057	108.2%	-0.0016				
x		0.0065	0.0072	105.5%	-0.0014				
σ		0.0020	0.0014	3.3%	0.0008				
%RSD		31.2140	19.0113	3.1	55.4202				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:56	112.9%	-0.0028	0.0321	-0.2262	0.0402	-2.6365	0.0161	0.0015
2	15:01:54	113.5%	-0.0016	0.0828	-0.0519	0.0110	-3.1555	0.0150	-0.0046
3	15:02:53	113.9%	-0.0061	0.0866	-0.1170	0.0380	-3.0337	0.0065	-0.0053
x		113.4%	-0.0035	0.0672	-0.1317	0.0298	-2.9419	0.0125	-0.0028
σ		0.5%	0.0023	0.0305	0.0881	0.0163	0.2714	0.0052	0.0037
%RSD		0.4	65.8700	45.3639	66.8626	54.6400	9.2249	41.6638	135.2408
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:56	0.0109	-0.4060	0.0441	0.1032	-0.0147	-0.0079	-0.2494	-0.0336
2	15:01:54	-0.0044	-0.1643	0.1105	0.0030	-0.0058	0.0041	-0.3246	-0.0170
3	15:02:53	0.0006	-0.6825	0.0103	0.0119	-0.0042	-0.0009	-0.2290	-0.0042
x		0.0024	-0.4176	0.0549	0.0393	-0.0083	-0.0016	-0.2677	-0.0183
σ		0.0078	0.2593	0.0509	0.0555	0.0057	0.0060	0.0504	0.0148
%RSD		331.7269	62.0864	92.7253	141.0021	68.4760	385.5256	18.8169	80.7271
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:56	105.9%	0.2449	-0.2929	-0.0509	0.8260	0.0011	0.0118	0.0053
2	15:01:54	110.3%	0.1332	-0.6824	-0.0394	0.0443	0.0078	0.0115	0.0072
3	15:02:53	108.3%	0.0546	-0.2606	0.2571	0.2354	0.0044	0.0142	0.0052
x		108.2%	0.1442	-0.4120	0.0556	0.3686	0.0044	0.0125	0.0059
σ		2.2%	0.0956	0.2347	0.1746	0.4075	0.0033	0.0015	0.0012
%RSD		2.0	66.2807	56.9792	314.0046	110.5584	75.1625	11.9801	19.7256
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:56	107.5%	0.0008	0.0015	0.0006	0.0003	-0.0000	105.6%	0.0199
2	15:01:54	109.2%	-0.0003	-0.0002	-0.0015	0.0003	-0.0009	108.1%	0.0218
3	15:02:53	109.4%	0.0023	0.0009	-0.0015	0.0003	0.0008	108.0%	0.0242
x		108.7%	0.0010	0.0007	-0.0008	0.0003	-0.0001	107.2%	0.0220
σ		1.1%	0.0013	0.0008	0.0012	0.0000	0.0008	1.4%	0.0021
%RSD		1.0	137.4688	117.4856	153.0617	4.4196	1339.5450	1.3	9.7770
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:56	0.0236	-0.0013	0.0199	0.0086	101.3%	-0.0012	-0.0050	0.0005
2	15:01:54	0.0169	0.0196	0.0078	0.0076	106.2%	-0.0029	-0.0034	0.0055
3	15:02:53	0.0260	0.0007	0.0113	0.0085	106.9%	-0.0063	-0.0045	0.0039
x		0.0222	0.0063	0.0130	0.0082	104.8%	-0.0035	-0.0043	0.0033
σ		0.0047	0.0115	0.0062	0.0006	3.0%	0.0026	0.0008	0.0026
%RSD		21.1480	182.3854	47.7657	6.9370	2.9	74.9632	19.6163	78.3075
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:00:56	0.0020	0.0013	100.9%	0.0006				
2	15:01:54	0.0007	0.0029	106.9%	0.0018				
3	15:02:53	-0.0013	0.0029	106.5%	-0.0011				
x		0.0005	0.0024	104.8%	0.0004				
σ		0.0017	0.0009	3.3%	0.0014				
%RSD		374.3702	37.9246	3.2	350.9789				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:27	108.1%	19.9481	20.0950	19.2839	19.2658	15.5829	19.4396	19.7872
2	15:06:24	109.0%	19.1091	20.0209	18.8680	19.0045	15.5273	19.4603	19.2083
3	15:07:21	106.8%	19.1933	20.2092	19.4548	19.6571	15.9478	19.5182	19.3785
x		108.0%	19.4168	20.1084	19.2023	19.3091	15.6860	19.4727	19.4580
σ		1.1%	0.4620	0.0949	0.3018	0.3285	0.2285	0.0407	0.2975
%RSD		1.0	2.3792	0.4717	1.5717	1.7011	1.4565	0.2090	1.5292
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:27	20.3357	19.2513	19.8028	19.8983	20.3272	19.9743	18.7746	19.2074
2	15:06:24	19.8455	22.2987	19.3980	19.5127	19.3085	20.1428	19.7175	20.2031
3	15:07:21	19.5662	21.1033	19.4624	19.5380	18.9343	19.6093	20.2846	19.4306
x		19.9158	20.8844	19.5544	19.6497	19.5233	19.9088	19.5923	19.6137
σ		0.3896	1.5354	0.2175	0.2157	0.7209	0.2727	0.7627	0.5225
%RSD		1.9561	7.3519	1.1124	1.0976	3.6923	1.3699	3.8930	2.6640
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:27	105.2%	18.1083	20.8900	19.8490	19.0821	19.5177	19.8263	19.2251
2	15:06:24	105.1%	18.7618	18.3588	19.5576	18.7952	19.5064	19.0829	19.5342
3	15:07:21	104.2%	18.2406	20.5406	18.6797	19.2207	19.4933	19.8376	19.3217
x		104.8%	18.3703	19.9298	19.3621	19.0327	19.5058	19.5822	19.3603
σ		0.6%	0.3455	1.3717	0.6086	0.2170	0.0122	0.4325	0.1581
%RSD		0.5	1.8808	6.8825	3.1435	1.1402	0.0627	2.2086	0.8168
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:27	103.8%	18.2945	18.5868	19.1964	18.3519	18.9696	102.2%	19.6177
2	15:06:24	103.8%	18.3412	18.0805	19.1924	18.4648	19.1386	104.5%	19.6358
3	15:07:21	103.5%	18.4021	18.5676	19.5613	18.2462	18.8477	105.0%	19.6928
x		103.7%	18.3459	18.4116	19.3167	18.3543	18.9853	103.9%	19.6488
σ		0.2%	0.0539	0.2869	0.2119	0.1093	0.1461	1.5%	0.0392
%RSD		0.2	0.2940	1.5584	1.0968	0.5956	0.7694	1.4	0.1993
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:05:27	19.1043	19.9335	19.6438	19.8383	100.0%	19.7504	19.6020	19.6057
2	15:06:24	19.3249	19.7580	19.5962	19.6488	104.9%	19.1809	19.1301	19.4554
3	15:07:21	19.5637	19.9310	19.4487	19.6578	104.8%	19.2734	19.2409	19.4801
x		19.3310	19.8742	19.5629	19.7150	103.2%	19.4016	19.3243	19.5137
σ		0.2297	0.1006	0.1017	0.1069	2.8%	0.3057	0.2467	0.0806
%RSD		1.1884	0.5063	0.5198	0.5421	2.7	1.5754	1.2768	0.4130
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:05:27	19.6173	19.6726	99.8%	19.6329				
2	15:06:24	19.3171	19.2651	104.2%	19.3064				
3	15:07:21	19.2498	19.3826	104.6%	19.5696				
x		19.3947	19.4401	102.9%	19.5030				
σ		0.1956	0.2097	2.7%	0.1731				
%RSD		1.0088	1.0787	2.6	0.8877				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:10:54	94.7%	0.0086	60.1937	0.7586	0.4149	-0.3338	324.7906	0.3749
2	15:11:53	92.9%	0.0032	61.9868	0.8330	0.3851	-0.3729	320.0865	0.3620
3	15:12:52	93.9%	0.0014	58.9097	0.7220	0.3866	-0.2373	327.1543	0.3508
x		93.8%	0.0044	60.3634	0.7712	0.3955	-0.3147	324.0104	0.3626
σ		0.9%	0.0037	1.5455	0.0566	0.0168	0.0698	3.5979	0.0121
%RSD		0.9	85.3875	2.5604	7.3345	4.2401	22.1749	1.1104	3.3358
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:10:54	8.3632	24.7021	7.7228	4.3811	4.2226	32.1440	29.8368	31.1395
2	15:11:53	8.1216	21.2801	7.6613	4.3670	4.2551	31.4371	29.4337	30.6890
3	15:12:52	8.1354	21.2410	7.7325	4.2538	4.2261	32.0963	28.2345	31.7134
x		8.2067	22.4077	7.7056	4.3340	4.2346	31.8925	29.1684	31.1806
σ		0.1357	1.9871	0.0386	0.0698	0.0178	0.3951	0.8335	0.5134
%RSD		1.6538	8.8679	0.5013	1.6096	0.4206	1.2388	2.8574	1.6466
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:10:54	94.0%	1.2383	0.2265	0.1392	0.2137	0.7019	0.7693	0.6958
2	15:11:53	94.3%	1.3725	0.8161	0.1526	0.6985	0.7518	0.7206	0.6896
3	15:12:52	92.9%	1.4890	0.9480	0.3381	1.1201	0.6848	0.7447	0.7150
x		93.8%	1.3666	0.6635	0.2100	0.6774	0.7128	0.7449	0.7001
σ		0.7%	0.1255	0.3841	0.1112	0.4536	0.0348	0.0243	0.0132
%RSD		0.8	9.1820	57.8937	52.9511	66.9577	4.8802	3.2627	1.8919
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:10:54	91.9%	0.0104	0.0068	0.0337	0.0177	0.0296	92.9%	0.2790
2	15:11:53	91.5%	0.0048	0.0049	0.0219	0.0325	0.0295	93.5%	0.2456
3	15:12:52	91.1%	0.0042	0.0061	0.0219	0.0301	0.0387	94.1%	0.2680
x		91.5%	0.0065	0.0059	0.0259	0.0268	0.0326	93.5%	0.2642
σ		0.4%	0.0034	0.0010	0.0068	0.0080	0.0053	0.6%	0.0171
%RSD		0.5	52.2196	16.3703	26.4054	29.7179	16.2963	0.6	6.4541
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:10:54	0.2308	10.7616	11.4300	11.0735	94.9%	-0.0011	-0.0019	0.5479
2	15:11:53	0.2520	11.0084	11.3202	11.1763	97.2%	-0.0001	-0.0008	0.5451
3	15:12:52	0.2348	11.7701	11.3118	11.2662	98.8%	0.0022	-0.0012	0.5291
x		0.2392	11.1800	11.3540	11.1720	97.0%	0.0003	-0.0013	0.5407
σ		0.0113	0.5257	0.0660	0.0964	1.9%	0.0017	0.0006	0.0101
%RSD		4.7104	4.7021	0.5810	0.8631	2.0	475.9500	43.4322	1.8744
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:10:54	0.6005	0.5815	94.5%	0.0177				
2	15:11:53	0.6346	0.5911	98.9%	0.0181				
3	15:12:52	0.6448	0.5849	100.0%	0.0184				
x		0.6266	0.5858	97.8%	0.0181				
σ		0.0232	0.0048	2.9%	0.0003				
%RSD		3.7016	0.8269	3.0	1.7461				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:28	92.6%	0.0044	98.5311	0.8852	0.5259	-0.1123	326.7225	0.3880
2	15:16:27	91.6%	0.0025	100.8684	0.8225	0.4905	-0.1230	325.7014	0.3795
3	15:17:26	91.0%	0.0098	99.1239	0.8487	0.4915	-0.1186	325.0248	0.3596
X		91.7%	0.0056	99.5078	0.8521	0.5027	-0.1179	325.8162	0.3757
σ		0.8%	0.0038	1.2150	0.0315	0.0201	0.0054	0.8547	0.0146
%RSD		0.9	68.2179	1.2211	3.6914	4.0054	4.5616	0.2623	3.8754
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:28	7.9540	24.2145	8.2361	4.3771	4.5955	32.5610	30.4646	31.3926
2	15:16:27	7.9773	24.7477	8.0324	4.4735	4.3354	31.5872	30.7606	32.1167
3	15:17:26	8.5083	19.4368	7.7919	4.2185	4.4996	32.8316	30.3397	32.1936
X		8.1465	22.7996	8.0201	4.3564	4.4768	32.3266	30.5216	31.9010
σ		0.3135	2.9245	0.2223	0.1288	0.1316	0.6545	0.2161	0.4420
%RSD		3.8484	12.8270	2.7723	2.9566	2.9385	2.0246	0.7082	1.3854
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:28	93.0%	1.3982	0.4011	0.4279	0.1016	0.7007	0.6813	0.6904
2	15:16:27	93.4%	1.4969	0.3455	0.3009	0.6670	0.6280	0.7236	0.7125
3	15:17:26	92.9%	1.2253	1.0579	0.5451	0.4791	0.7757	0.7085	0.8021
X		93.1%	1.3735	0.6015	0.4246	0.4159	0.7014	0.7045	0.7350
σ		0.3%	0.1375	0.3962	0.1222	0.2879	0.0739	0.0214	0.0592
%RSD		0.3	10.0083	65.8778	28.7678	69.2290	10.5314	3.0438	8.0538
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:28	91.4%	0.0042	0.0068	0.0409	0.0339	0.0440	92.8%	0.2748
2	15:16:27	90.3%	0.0036	0.0068	0.0337	0.0336	0.0265	94.1%	0.2819
3	15:17:26	90.7%	0.0030	0.0036	0.0404	0.0437	0.0244	94.7%	0.2616
X		90.8%	0.0036	0.0057	0.0383	0.0371	0.0316	93.9%	0.2728
σ		0.6%	0.0006	0.0018	0.0040	0.0057	0.0108	1.0%	0.0103
%RSD		0.7	17.1197	32.2588	10.5533	15.4268	33.9815	1.1	3.7672
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:28	0.2315	11.2808	11.5099	11.4430	96.1%	-0.0024	-0.0010	0.6084
2	15:16:27	0.2470	11.3830	11.1395	11.3897	97.9%	0.0007	0.0002	0.6120
3	15:17:26	0.2676	11.1686	11.3454	11.3901	98.1%	-0.0055	-0.0033	0.6272
X		0.2487	11.2775	11.3316	11.4076	97.4%	-0.0024	-0.0014	0.6159
σ		0.0181	0.1072	0.1856	0.0307	1.1%	0.0031	0.0018	0.0100
%RSD		7.2925	0.9510	1.6378	0.2690	1.1	126.5985	131.6019	1.6186
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:15:28	0.6446	0.6230	95.0%	0.0143				
2	15:16:27	0.6756	0.6284	98.5%	0.0161				
3	15:17:26	0.6450	0.6440	99.5%	0.0174				
X		0.6551	0.6318	97.7%	0.0159				
σ		0.0178	0.0109	2.3%	0.0016				
%RSD		2.7150	1.7310	2.4	9.7342				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:01	90.2%	19.8836	124.1633	20.1298	19.7238	18.8385	353.9390	19.9367
2	15:21:00	90.6%	18.7361	120.0053	19.5276	19.0741	17.4480	337.3617	19.1363
3	15:21:59	90.9%	18.5199	119.6534	18.8521	19.0925	18.5515	337.9282	18.8377
x		90.5%	19.0465	121.2740	19.5032	19.2968	18.2794	343.0763	19.3035
σ		0.4%	0.7330	2.5084	0.6392	0.3699	0.7341	9.4116	0.5682
%RSD		0.4	3.8483	2.0684	3.2773	1.9170	4.0160	2.7433	2.9437
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:01	27.8240	47.1682	27.7945	24.2219	23.8284	52.6266	49.9165	51.4965
2	15:21:00	25.7755	41.6271	25.6383	22.4691	22.9876	50.3901	49.5643	50.5451
3	15:21:59	25.8814	38.7490	25.7629	22.5555	23.1241	51.7435	48.8146	49.5560
x		26.4936	42.5148	26.3985	23.0821	23.3134	51.5867	49.4318	50.5325
σ		1.1534	4.2792	1.2105	0.9880	0.4512	1.1264	0.5628	0.9703
%RSD		4.3534	10.0653	4.5856	4.2802	1.9355	2.1836	1.1386	1.9202
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:01	89.3%	20.7153	23.6887	20.3461	21.2103	20.0247	20.4356	20.2119
2	15:21:00	91.8%	19.2740	21.5797	20.1251	18.7666	20.0587	20.0469	19.7752
3	15:21:59	92.3%	20.1456	20.3507	18.9944	20.4486	19.6855	19.9477	19.7417
x		91.1%	20.0450	21.8730	19.8219	20.1418	19.9230	20.1434	19.9096
σ		1.6%	0.7259	1.6883	0.7251	1.2504	0.2064	0.2578	0.2623
%RSD		1.8	3.6214	7.7184	3.6580	6.2079	1.0359	1.2800	1.3175
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:01	88.6%	18.2192	18.1742	19.5094	18.5078	19.2219	90.1%	19.9619
2	15:21:00	90.1%	17.5364	17.5831	19.7118	18.1651	18.9594	93.2%	19.6989
3	15:21:59	90.4%	17.4620	17.5440	19.1126	18.1958	18.5420	94.4%	19.3749
x		89.7%	17.7392	17.7671	19.4446	18.2896	18.9078	92.5%	19.6785
σ		1.0%	0.4173	0.3531	0.3048	0.1896	0.3429	2.2%	0.2940
%RSD		1.1	2.3527	1.9874	1.5677	1.0368	1.8134	2.4	1.4943
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:20:01	19.7906	30.8196	30.5568	30.9984	92.5%	19.1408	19.2412	19.9090
2	15:21:00	19.3693	30.8590	29.8299	30.2322	96.8%	18.8299	18.6458	19.5889
3	15:21:59	19.0246	30.1395	29.7471	29.9479	98.4%	18.6214	18.6359	19.3473
x		19.3948	30.6061	30.0446	30.3929	95.9%	18.8640	18.8410	19.6151
σ		0.3837	0.4045	0.4455	0.5433	3.0%	0.2614	0.3466	0.2818
%RSD		1.9782	1.3217	1.4829	1.7877	3.2	1.3856	1.8397	1.4366
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:20:01	19.8195	19.8178	93.7%	19.5185				
2	15:21:00	19.5429	19.5377	98.5%	19.3132				
3	15:21:59	19.5180	19.4541	99.4%	19.0603				
x		19.6268	19.6032	97.2%	19.2973				
σ		0.1674	0.1905	3.1%	0.2295				
%RSD		0.8528	0.9717	3.2	1.1894				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:33	90.2%	0.0102	89.2358	0.9253	0.4735	0.1007	353.5819	0.3715
2	15:26:30	90.7%	0.0155	85.8106	1.0325	0.3867	-0.7390	349.4531	0.3429
3	15:27:29	90.9%	0.0011	86.3748	0.9354	0.3894	-0.2776	352.5572	0.3626
x		90.6%	0.0089	87.1404	0.9644	0.4166	-0.3053	351.8641	0.3590
σ		0.4%	0.0073	1.8365	0.0592	0.0494	0.4206	2.1499	0.0146
%RSD		0.4	81.6856	2.1075	6.1380	11.8491	137.7518	0.6110	4.0800
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:33	1.2623	14.9982	0.9902	2.1116	2.0992	14.8482	14.5927	14.6764
2	15:26:30	1.0853	13.8731	0.9796	2.0873	1.9484	14.9114	13.8061	14.4965
3	15:27:29	1.1094	13.5375	0.9469	1.9232	2.0067	15.1080	13.6205	14.6034
x		1.1524	14.1362	0.9722	2.0407	2.0181	14.9559	14.0064	14.5921
σ		0.0960	0.7651	0.0226	0.1025	0.0761	0.1355	0.5161	0.0905
%RSD		8.3320	5.4125	2.3212	5.0222	3.7685	0.9061	3.6847	0.6201
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:33	89.7%	1.4196	0.3379	0.6969	0.8415	0.6507	0.7119	0.7132
2	15:26:30	92.0%	1.2220	0.9138	0.2209	0.4066	0.6566	0.7402	0.7303
3	15:27:29	89.9%	1.1021	0.8391	0.1509	0.4887	0.5889	0.7633	0.6944
x		90.6%	1.2479	0.6969	0.3562	0.5789	0.6320	0.7384	0.7127
σ		1.3%	0.1603	0.3132	0.2971	0.2311	0.0375	0.0257	0.0179
%RSD		1.4	12.8454	44.9359	83.3906	39.9112	5.9294	3.4857	2.5152
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:33	88.4%	0.0070	0.0057	0.0276	0.0278	0.0453	90.2%	0.2010
2	15:26:30	89.5%	0.0093	0.0056	0.0245	0.0339	0.0324	93.5%	0.2121
3	15:27:29	89.0%	0.0075	0.0049	0.0316	0.0316	0.0276	93.6%	0.2252
x		89.0%	0.0079	0.0054	0.0279	0.0311	0.0351	92.5%	0.2128
σ		0.6%	0.0012	0.0004	0.0036	0.0031	0.0092	1.9%	0.0121
%RSD		0.7	15.5402	7.5784	12.7806	9.8667	26.0984	2.1	5.6855
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:33	0.2150	11.3465	11.6337	11.4434	92.6%	-0.0040	-0.0018	0.6153
2	15:26:30	0.2250	11.3673	11.5323	11.3096	95.1%	-0.0013	-0.0048	0.6002
3	15:27:29	0.2163	11.2336	11.3315	11.2942	97.8%	0.0062	0.0010	0.6183
x		0.2188	11.3158	11.4992	11.3490	95.2%	0.0003	-0.0019	0.6113
σ		0.0054	0.0719	0.1538	0.0820	2.6%	0.0053	0.0029	0.0097
%RSD		2.4794	0.6356	1.3374	0.7228	2.7	1746.8643	155.6955	1.5830
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:25:33	0.6536	0.6495	92.4%	0.0174				
2	15:26:30	0.6719	0.6540	96.3%	0.0197				
3	15:27:29	0.6595	0.6443	98.6%	0.0172				
x		0.6617	0.6493	95.8%	0.0181				
σ		0.0093	0.0048	3.2%	0.0014				
%RSD		1.4108	0.7449	3.3	7.7618				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:05	90.2%	0.0052	50.3954	0.6561	0.4280	0.2352	326.8571	0.3977
2	15:31:04	89.3%	0.0026	49.8787	0.5873	0.3556	0.0255	325.7376	0.3780
3	15:32:02	87.6%	0.0014	49.4395	0.6317	0.4045	0.0733	324.0743	0.3631
x		89.1%	0.0031	49.9045	0.6250	0.3960	0.1113	325.5563	0.3796
$\sigma$		1.3%	0.0019	0.4784	0.0348	0.0369	0.1099	1.4002	0.0173
%RSD		1.5	62.7745	0.9587	5.5755	9.3203	98.7173	0.4301	4.5640
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:05	1.1732	18.5142	1.0669	2.5612	2.4735	18.7556	18.0870	18.6836
2	15:31:04	1.1237	15.8016	1.0117	2.2495	2.2932	18.4474	17.1946	18.2803
3	15:32:02	0.9640	10.9767	0.9973	2.1572	2.2436	18.2056	18.1429	18.4542
x		1.0870	15.0975	1.0253	2.3226	2.3367	18.4696	17.8082	18.4727
$\sigma$		0.1093	3.8178	0.0368	0.2117	0.1210	0.2757	0.5321	0.2023
%RSD		10.0577	25.2875	3.5883	9.1147	5.1776	1.4927	2.9878	1.0950
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:05	89.3%	1.1813	1.0839	0.5358	0.3362	0.8001	0.7387	0.7468
2	15:31:04	90.6%	1.2527	0.6107	0.1796	0.4113	0.7537	0.7527	0.8000
3	15:32:02	90.2%	1.3788	0.1638	0.2456	0.4500	0.7171	0.7796	0.8236
x		90.0%	1.2709	0.6195	0.3203	0.3992	0.7570	0.7570	0.7901
$\sigma$		0.6%	0.1000	0.4601	0.1895	0.0579	0.0416	0.0208	0.0394
%RSD		0.7	7.8691	74.2772	59.1630	14.4934	5.4985	2.7434	4.9815
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:05	87.0%	0.0019	0.0025	0.0281	0.0415	0.0320	88.9%	0.2299
2	15:31:04	87.6%	0.0070	0.0037	0.0300	0.0513	0.0401	91.1%	0.2427
3	15:32:02	88.5%	0.0044	0.0050	0.0437	0.0446	0.0307	92.8%	0.2573
x		87.7%	0.0044	0.0037	0.0339	0.0458	0.0343	90.9%	0.2433
$\sigma$		0.8%	0.0025	0.0013	0.0086	0.0050	0.0051	1.9%	0.0137
%RSD		0.9	57.3847	33.6347	25.2088	10.9538	14.7737	2.1	5.6352
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:05	0.2397	10.9044	11.0668	11.0210	92.5%	-0.0048	-0.0003	0.3914
2	15:31:04	0.2451	10.8994	10.9173	10.7581	96.1%	0.0036	-0.0011	0.3740
3	15:32:02	0.2332	10.5019	10.8832	10.8844	96.7%	-0.0028	-0.0003	0.3416
x		0.2393	10.7686	10.9558	10.8879	95.1%	-0.0013	-0.0006	0.3690
$\sigma$		0.0060	0.2310	0.0976	0.1315	2.3%	0.0044	0.0005	0.0253
%RSD		2.4974	2.1448	0.8912	1.2077	2.4	325.5119	78.3497	6.8483
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:30:05	0.3971	0.4005	92.5%	0.0130				
2	15:31:04	0.3870	0.3780	95.8%	0.0180				
3	15:32:02	0.4028	0.3808	97.3%	0.0126				
x		0.3957	0.3864	95.2%	0.0145				
$\sigma$		0.0080	0.0122	2.5%	0.0030				
%RSD		2.0271	3.1607	2.6	20.7113				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:36	92.0%	25.1918	24.2527	24.7773	24.4035	22.4905	24.7228	24.0896
2	15:35:34	95.7%	23.9800	24.1141	24.0556	24.2019	22.2553	24.2089	23.3422
3	15:36:33	97.7%	23.4259	23.7693	24.0815	24.0847	21.0048	24.4371	24.1323
x		95.1%	24.1992	24.0454	24.3048	24.2300	21.9169	24.4563	23.8547
$\sigma$		2.9%	0.9032	0.2489	0.4094	0.1613	0.7986	0.2575	0.4443
%RSD		3.0	3.7322	1.0352	1.6846	0.6655	3.6436	1.0530	1.8626
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:36	24.4878	25.9103	25.7871	24.5653	24.5604	24.5225	24.4705	24.5971
2	15:35:34	24.2690	25.9791	24.6227	24.0247	23.6337	24.2061	23.9526	24.0938
3	15:36:33	24.1858	26.3382	23.8944	24.0272	23.9911	24.7877	25.0026	23.9419
x		24.3142	26.0758	24.7681	24.2057	24.0617	24.5054	24.4752	24.2109
$\sigma$		0.1560	0.2297	0.9547	0.3114	0.4673	0.2912	0.5250	0.3430
%RSD		0.6416	0.8811	3.8545	1.2864	1.9423	1.1882	2.1452	1.4165
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:36	92.9%	24.1765	27.2480	25.5370	26.7599	24.0342	23.9414	24.1126
2	15:35:34	96.8%	23.9528	24.7039	23.7760	24.5104	24.3671	24.6356	24.3381
3	15:36:33	97.3%	23.6726	24.4213	24.4882	24.2119	23.9498	23.6240	23.7546
x		95.6%	23.9340	25.4577	24.6004	25.1607	24.1170	24.0670	24.0684
$\sigma$		2.4%	0.2525	1.5568	0.8859	1.3930	0.2207	0.5174	0.2943
%RSD		2.5	1.0548	6.1153	3.6011	5.5363	0.9149	2.1497	1.2226
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:36	91.9%	24.8159	24.8053	24.3877	24.4800	24.5670	93.3%	24.5868
2	15:35:34	94.8%	24.3513	24.7216	24.0112	24.4162	24.4103	97.2%	24.1759
3	15:36:33	97.3%	24.1460	23.9545	24.5369	24.2544	24.5738	99.0%	24.5468
x		94.7%	24.4377	24.4938	24.3119	24.3835	24.5170	96.5%	24.4365
$\sigma$		2.7%	0.3432	0.4690	0.2709	0.1163	0.0925	2.9%	0.2266
%RSD		2.9	1.4044	1.9146	1.1143	0.4769	0.3774	3.0	0.9272
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:36	24.0544	24.3887	24.5866	24.5153	92.7%	24.9276	24.8124	24.5189
2	15:35:34	24.1222	24.1211	24.1964	24.5101	99.3%	24.3953	24.0365	24.7280
3	15:36:33	23.9774	24.0714	24.3180	24.4297	100.4%	24.4712	24.2681	24.4301
x		24.0513	24.1937	24.3670	24.4851	97.5%	24.5980	24.3723	24.5590
$\sigma$		0.0724	0.1707	0.1997	0.0480	4.1%	0.2879	0.3983	0.1530
%RSD		0.3012	0.7054	0.8194	0.1959	4.2	1.1704	1.6343	0.6228
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:34:36	24.4114	24.6384	93.7%	24.6488				
2	15:35:34	24.4263	24.4783	98.5%	24.5993				
3	15:36:33	24.3456	24.4373	100.5%	24.4702				
x		24.3944	24.5180	97.6%	24.5728				
$\sigma$		0.0429	0.1063	3.5%	0.0922				
%RSD		0.1759	0.4334	3.6	0.3753				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:24	94.0%	0.0008	-0.0694	-0.2279	0.0566	-1.8311	-0.0039	0.0013
2	15:45:21	96.1%	-0.0076	-0.0571	-0.1880	0.0532	-2.2871	0.0016	0.0024
3	15:46:20	94.3%	0.0018	-0.0765	-0.1379	0.0365	-2.3110	-0.0035	0.0034
x		94.8%	-0.0017	-0.0677	-0.1846	0.0488	-2.1430	-0.0019	0.0024
σ		1.1%	0.0051	0.0098	0.0451	0.0107	0.2704	0.0031	0.0011
%RSD		1.2	307.9192	14.4392	24.4176	22.0067	12.6189	158.7846	44.5417
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:24	0.0074	-1.0547	0.1412	0.1172	-0.0109	-0.0515	-0.2703	-0.0408
2	15:45:21	-0.0155	0.3493	0.1261	0.0244	-0.0084	-0.0561	-0.3829	-0.0556
3	15:46:20	0.0039	0.3953	0.0433	0.0408	-0.0275	-0.0509	-0.2306	-0.0824
x		-0.0014	-0.1034	0.1035	0.0608	-0.0156	-0.0529	-0.2946	-0.0596
σ		0.0123	0.8242	0.0527	0.0495	0.0104	0.0029	0.0790	0.0211
%RSD		871.0501	797.2585	50.9140	81.4792	66.5639	5.4228	26.8279	35.4316
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:24	92.3%	-0.0084	-0.1910	0.2863	-0.0502	0.0315	0.0431	0.0322
2	15:45:21	94.5%	0.0772	-0.3133	-0.0065	0.1022	0.0472	0.0492	0.0443
3	15:46:20	95.0%	0.1409	-0.4770	0.0125	0.1764	0.0449	0.0424	0.0476
x		93.9%	0.0699	-0.3271	0.0974	0.0761	0.0412	0.0449	0.0414
σ		1.5%	0.0749	0.1435	0.1639	0.1155	0.0085	0.0037	0.0081
%RSD		1.5	107.2168	43.8667	168.1750	151.7347	20.5553	8.2740	19.6593
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:24	91.3%	0.0005	0.0004	-0.0015	0.0016	0.0001	91.7%	0.0003
2	15:45:21	91.6%	0.0104	0.0042	0.0009	-0.0007	0.0010	94.6%	0.0030
3	15:46:20	92.3%	0.0042	0.0060	-0.0015	0.0016	0.0029	95.0%	0.0037
x		91.7%	0.0050	0.0036	-0.0007	0.0008	0.0013	93.8%	0.0023
σ		0.5%	0.0050	0.0029	0.0013	0.0013	0.0014	1.8%	0.0018
%RSD		0.5	98.7448	80.1425	197.1560	161.3859	108.0528	2.0	77.6273
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:24	0.0061	-0.0116	0.0112	-0.0005	91.8%	0.0013	-0.0008	0.0003
2	15:45:21	0.0024	-0.0089	-0.0002	-0.0003	96.7%	-0.0010	-0.0074	0.0020
3	15:46:20	0.0015	-0.0021	0.0056	-0.0017	98.1%	0.0022	-0.0008	-0.0018
x		0.0033	-0.0076	0.0056	-0.0008	95.5%	0.0008	-0.0030	0.0002
σ		0.0024	0.0049	0.0057	0.0007	3.3%	0.0017	0.0038	0.0019
%RSD		72.9494	64.9140	102.1973	92.8907	3.5	199.6865	128.4324	1039.6637
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:44:24	0.0000	0.0014	91.9%	0.0003				
2	15:45:21	0.0012	0.0061	95.4%	-0.0007				
3	15:46:20	0.0040	0.0031	97.9%	0.0012				
x		0.0017	0.0035	95.1%	0.0002				
σ		0.0020	0.0023	3.0%	0.0010				
%RSD		115.2846	66.2004	3.2	410.0921				

NR Cu, V; and Raise Mo MRL 0.1ppb  
 from this pt. on.  
 JB 5/18/10

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:55	87.7%	0.1004	5343.7637	10.9470	14.4029	17.0781	143.9621	2.9330
2	15:49:53	88.2%	0.1031	5320.8385	10.5540	13.9092	17.3749	141.7258	2.9073
3	15:50:52	89.4%	0.0996	5246.0677	10.2083	13.9201	17.3507	140.7272	2.6867
X		88.4%	0.1010	5303.5566	10.5698	14.0774	17.2679	142.1384	2.8423
σ		0.9%	0.0018	51.0894	0.3696	0.2819	0.1649	1.6565	0.1354
%RSD		1.0	1.8011	0.9633	3.4964	2.0028	0.9547	1.1654	4.7641
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:55	13.3174	24.6182	20.7402	61.1269	60.2979	1657.4704	1531.1636	1606.0142
2	15:49:53	12.6393	22.1995	20.2434	58.7485	59.5914	1642.3474	1533.9686	1591.7161
3	15:50:52	12.3753	22.4476	19.7016	58.6911	57.6755	1621.7304	1519.0740	1580.7207
X		12.7774	23.0885	20.2284	59.5222	59.1883	1640.5161	1528.0687	1592.8170
σ		0.4860	1.3306	0.5195	1.3900	1.3569	17.9402	7.9149	12.6826
%RSD		3.8034	5.7630	2.5681	2.3353	2.2925	1.0936	0.5180	0.7962
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:55	87.2%	1.3308	0.9723	0.6190	-2.3104	7.5553	7.6315	7.7454
2	15:49:53	88.6%	1.2114	2.2677	0.3453	-2.3559	7.6445	7.6531	7.6410
3	15:50:52	90.9%	1.3172	1.4017	0.1399	-2.6091	7.4597	7.7540	7.9255
X		88.9%	1.2865	1.5472	0.3680	-2.4251	7.5532	7.6795	7.7706
σ		1.9%	0.0653	0.6598	0.2404	0.1609	0.0924	0.0654	0.1439
%RSD		2.1	5.0795	42.6458	65.3083	6.6366	1.2231	0.8512	1.8520
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:55	82.0%	0.0835	0.0598	17.2508	16.6946	17.1751	85.6%	3.1831
2	15:49:53	82.9%	0.0679	0.0518	17.4148	16.8463	16.7754	88.1%	3.1993
3	15:50:52	84.9%	0.0821	0.0579	17.7319	16.5446	16.6935	90.3%	3.0930
X		83.3%	0.0778	0.0565	17.4658	16.6951	16.8813	88.0%	3.1585
σ		1.5%	0.0086	0.0042	0.2446	0.1508	0.2577	2.4%	0.0573
%RSD		1.8	11.0552	7.4341	1.4004	0.9036	1.5263	2.7	1.8139
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:48:55	3.1177	128.9262	128.1240	130.1958	90.9%	0.0175	0.0183	13.8977
2	15:49:53	3.1018	128.0873	127.8313	129.6507	94.2%	0.0190	0.0144	13.7532
3	15:50:52	3.0050	126.1286	126.5364	128.1868	96.7%	0.0079	0.0193	13.8767
X		3.0748	127.7140	127.4972	129.3444	93.9%	0.0148	0.0173	13.8425
σ		0.0610	1.4357	0.8449	1.0389	2.9%	0.0061	0.0026	0.0781
%RSD		1.9842	1.1241	0.6627	0.8032	3.1	40.9457	15.1572	0.5639
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:48:55	15.3363	14.7159	95.4%	0.2631				
2	15:49:53	15.6226	14.7459	98.9%	0.2611				
3	15:50:52	15.2304	14.5983	101.4%	0.2542				
X		15.3965	14.6867	98.5%	0.2595				
σ		0.2029	0.0780	3.0%	0.0047				
%RSD		1.3179	0.5310	3.1	1.7979				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	15:53:47	91.5%	0.0920	964.0961	5.7097	10.4480	55.2809	1027.7921	7.5945
2	15:54:45	91.5%	0.0683	952.8456	5.9745	10.1376	50.4265	1042.9541	7.5616
3	15:55:43	91.3%	0.0889	943.0924	5.3938	10.1867	51.8581	1025.3514	7.1135
x		91.5%	0.0831	953.3447	5.6927	10.2574	52.5218	1032.0325	7.4232
σ		0.1%	0.0129	10.5108	0.2907	0.1668	2.4943	9.5368	0.2687
%RSD		0.1	15.5244	1.1025	5.1073	1.6263	4.7491	0.9241	3.6196
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	15:53:47	57.3133	367.0027	61.0684	38.9506	39.4320	63.6956	78.3626	73.0587
2	15:54:45	56.1447	315.8562	58.8381	37.6345	38.4410	62.1432	74.8988	70.7998
3	15:55:43	55.7760	302.6475	58.9621	37.2300	38.3715	61.9677	77.6565	72.0899
x		56.4114	328.5021	59.6229	37.9383	38.7482	62.6021	76.9726	71.9828
σ		0.8026	33.9903	1.2534	0.8997	0.5932	0.9510	1.8303	1.1332
%RSD		1.4227	10.3471	2.1022	2.3714	1.5310	1.5191	2.3779	1.5743
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	15:53:47	80.5%	70.4673	35.8285	2.1725	1.6782	14.0820	14.6285	14.2921
2	15:54:45	80.9%	70.7644	35.2492	2.6794	1.9006	14.7326	14.2210	14.2467
3	15:55:43	81.4%	70.2994	37.0495	2.0589	2.9055	14.5229	14.5076	14.4615
x		80.9%	70.5104	36.0424	2.3036	2.1614	14.4458	14.4524	14.3334
σ		0.4%	0.2355	0.9190	0.3303	0.6539	0.3321	0.2093	0.1132
%RSD		0.5	0.3340	2.5498	14.3406	30.2540	2.2987	1.4484	0.7899
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	15:53:47	76.6%	0.1298	0.1447	0.9718	1.0536	1.0538	79.9%	1.0719
2	15:54:45	75.7%	0.1516	0.1398	1.0605	1.0628	1.0762	79.7%	1.1120
3	15:55:43	75.5%	0.1456	0.1365	1.1153	1.1221	1.0163	80.2%	1.1232
x		75.9%	0.1423	0.1403	1.0492	1.0795	1.0488	80.0%	1.1024
σ		0.6%	0.0113	0.0041	0.0724	0.0372	0.0303	0.2%	0.0269
%RSD		0.7	7.9257	2.9544	6.8979	3.4488	2.8867	0.3	2.4439
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	15:53:47	1.0854	671.7337	672.8561	705.8573	84.9%	0.1333	0.1263	12.6468
2	15:54:45	1.0761	683.0998	678.2830	711.3817	86.5%	0.1390	0.1190	12.6059
3	15:55:43	1.0558	676.0257	680.2640	715.0615	86.4%	0.1284	0.1171	12.7237
x		1.0725	676.9531	677.1344	710.7668	85.9%	0.1335	0.1208	12.6588
σ		0.0151	5.7395	3.8352	4.6328	0.9%	0.0053	0.0048	0.0598
%RSD		1.4117	0.8478	0.5664	0.6518	1.0	3.9758	4.0126	0.4723
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	15:53:47	14.0355	13.5717	88.6%	4.3117				
2	15:54:45	13.9673	13.4067	90.8%	4.3301				
3	15:55:43	14.1173	13.5541	90.3%	4.2941				
x		14.0400	13.5108	89.9%	4.3120				
σ		0.0751	0.0906	1.1%	0.0180				
%RSD		0.5351	0.6706	1.3	0.4178				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:59	71.0%	0.0299	8352.1863	1.8639	40.7585	52.9244	79.6035	0.4929
2	15:59:58	72.3%	0.0206	8250.9587	2.0486	39.9396	48.2557	79.2506	0.4473
3	16:00:57	71.9%	0.0243	8201.0853	1.9193	40.2901	47.4038	78.9999	0.4932
X		71.7%	0.0249	8268.0767	1.9439	40.3294	49.5280	79.2846	0.4778
σ		0.7%	0.0047	76.9912	0.0948	0.4108	2.9721	0.3032	0.0264
%RSD		1.0	18.8632	0.9312	4.8757	1.0187	6.0008	0.3825	5.5333
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:59	267.5419	290.4839	332.1118	31.7334	35.0628	27.7711	25.6890	22.9305
2	15:59:58	254.0148	272.3674	321.2347	30.7634	34.9040	28.6109	24.8341	22.4413
3	16:00:57	250.3214	269.5489	322.1573	30.7333	35.3322	30.5253	25.7889	21.8599
X		257.2927	277.4667	325.1679	31.0767	35.0997	28.9691	25.4373	22.4106
σ		9.0661	11.3609	6.0313	0.5689	0.2165	1.4116	0.5248	0.5359
%RSD		3.5237	4.0945	1.8548	1.8306	0.6167	4.8727	2.0631	2.3915
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:59	72.3%	2.3521	6.1166	3.3148	8.3475	34.3681	34.0092	34.2631
2	15:59:58	74.4%	3.1644	5.8648	2.3572	12.4466	34.7301	34.6945	34.7210
3	16:00:57	75.4%	3.1303	6.3259	2.9578	13.2159	34.6950	34.3190	34.3472
X		74.0%	2.8823	6.1024	2.8766	11.3367	34.5978	34.3409	34.4438
σ		1.6%	0.4594	0.2309	0.4840	2.6171	0.1996	0.3431	0.2437
%RSD		2.1	15.9403	3.7835	16.8245	23.0853	0.5770	0.9992	0.7077
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:59	66.9%	0.0532	0.0272	0.2290	0.2648	0.2358	69.8%	0.4173
2	15:59:58	68.1%	0.0428	0.0314	0.2307	0.2050	0.2292	72.7%	0.4115
3	16:00:57	68.5%	0.0464	0.0318	0.2607	0.2049	0.1640	74.0%	0.3827
X		67.8%	0.0475	0.0301	0.2401	0.2249	0.2097	72.2%	0.4038
σ		0.8%	0.0052	0.0026	0.0178	0.0345	0.0397	2.2%	0.0185
%RSD		1.2	11.0482	8.5247	7.4184	15.3543	18.9269	3.0	4.5928
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:59	0.3940	3.4315	3.1963	3.4408	75.7%	0.0743	0.0773	1.2693
2	15:59:58	0.3619	3.3407	3.2562	3.3212	78.3%	0.0725	0.0752	1.2957
3	16:00:57	0.3732	3.4123	3.2029	3.3793	79.3%	0.0804	0.0785	1.2911
X		0.3764	3.3948	3.2185	3.3804	77.8%	0.0757	0.0770	1.2854
σ		0.0163	0.0478	0.0328	0.0598	1.8%	0.0041	0.0017	0.0141
%RSD		4.3335	1.4094	1.0200	1.7690	2.3	5.4416	2.1622	1.0959
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	15:58:59	1.4286	1.3815	75.3%	0.0134				
2	15:59:58	1.4299	1.3770	77.8%	0.0152				
3	16:00:57	1.3979	1.3614	79.1%	0.0167				
X		1.4188	1.3733	77.4%	0.0151				
σ		0.0182	0.0106	1.9%	0.0016				
%RSD		1.2795	0.7699	2.5	10.8492				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:56	71.4%	0.0365	8609.6227	2.4153	42.3554	48.0075	82.0053	0.5081
2	16:05:55	71.6%	0.0273	8318.1659	2.3554	41.3005	45.2846	80.0184	0.4803
3	16:06:53	71.4%	0.0141	8258.8930	2.3040	41.0336	47.5450	78.4743	0.4669
X		71.5%	0.0260	8395.5605	2.3582	41.5632	46.9457	80.1660	0.4851
$\sigma$		0.1%	0.0113	187.7373	0.0557	0.6990	1.4570	1.7701	0.0210
%RSD		0.1	43.5433	2.2361	2.3622	1.6818	3.1036	2.2081	4.3320
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:56	275.6883	299.4947	344.8386	32.7041	35.9337	28.9159	25.6063	22.5497
2	16:05:55	261.3538	283.0445	325.2702	31.3359	34.5680	29.0607	25.3003	22.5669
3	16:06:53	259.1103	270.7880	317.6515	31.0893	35.7124	29.9415	24.0040	22.0471
X		265.3841	284.4424	329.2535	31.7098	35.4047	29.3060	24.9702	22.3879
$\sigma$		8.9939	14.4043	14.0244	0.8699	0.7330	0.5550	0.8506	0.2953
%RSD		3.3890	5.0641	4.2595	2.7434	2.0704	1.8939	3.4066	1.3189
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:56	73.3%	2.4212	4.0627	3.7235	8.5164	35.1274	35.6169	35.2868
2	16:05:55	75.0%	2.8694	3.3416	2.8090	9.7819	34.4324	34.9790	34.7468
3	16:06:53	75.7%	3.6597	5.2613	2.8616	13.8031	34.5710	34.5224	34.8665
X		74.7%	2.9835	4.2219	3.1314	10.7004	34.7103	35.0394	34.9667
$\sigma$		1.2%	0.6270	0.9697	0.5135	2.7605	0.3679	0.5498	0.2836
%RSD		1.7	21.0175	22.9678	16.3984	25.7978	1.0598	1.5690	0.8110
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:56	68.1%	0.0628	0.0400	0.2392	0.2722	0.2486	71.6%	0.4154
2	16:05:55	69.1%	0.0528	0.0352	0.2135	0.2107	0.2144	73.1%	0.3843
3	16:06:53	69.8%	0.0628	0.0358	0.1854	0.2526	0.2235	73.3%	0.3967
X		69.0%	0.0594	0.0370	0.2127	0.2452	0.2288	72.7%	0.3988
$\sigma$		0.9%	0.0058	0.0026	0.0269	0.0314	0.0177	0.9%	0.0157
%RSD		1.3	9.7081	7.1168	12.6610	12.8045	7.7474	1.3	3.9277
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:04:56	0.4084	3.5526	3.3152	3.4378	74.7%	0.0842	0.0730	1.2984
2	16:05:55	0.3959	3.1563	3.3857	3.3624	79.1%	0.0762	0.0686	1.3170
3	16:06:53	0.3973	3.4205	3.3356	3.4260	79.4%	0.0767	0.0566	1.2777
X		0.4005	3.3764	3.3455	3.4087	77.7%	0.0790	0.0661	1.2977
$\sigma$		0.0069	0.2018	0.0363	0.0406	2.6%	0.0045	0.0085	0.0196
%RSD		1.7134	5.9758	1.0848	1.1904	3.3	5.6526	12.7924	1.5114
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:04:56	1.4432	1.3976	74.2%	0.0145				
2	16:05:55	1.4361	1.3693	77.9%	0.0170				
3	16:06:53	1.3734	1.3364	78.8%	0.0132				
X		1.4176	1.3678	77.0%	0.0149				
$\sigma$		0.0384	0.0306	2.4%	0.0019				
%RSD		2.7100	2.2384	3.2	13.0412				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:44	72.2%	19.1165	8230.1199	22.0464	60.1014	69.8796	96.8933	19.9377
2	16:11:43	72.3%	17.8855	7974.4623	20.8968	58.4535	67.1566	94.3436	18.7450
3	16:12:41	73.0%	17.5452	7856.2683	21.6226	57.6287	66.1169	95.2035	18.5844
x		72.5%	18.1824	8020.2835	21.5219	58.7279	67.7177	95.4801	19.0890
σ		0.4%	0.8266	191.0914	0.5813	1.2590	1.9431	1.2972	0.7394
%RSD		0.6	4.5464	2.3826	2.7012	2.1438	2.8694	1.3586	3.8732
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:44	280.4564	299.7716	341.5975	50.0945	53.3563	44.5204	42.5176	37.9057
2	16:11:43	268.0322	284.5751	323.6766	47.2510	51.5238	44.0103	40.2419	37.5163
3	16:12:41	264.6366	281.1388	325.4321	47.1241	51.5027	44.3279	41.5721	37.0059
x		271.0417	288.4952	330.2354	48.1565	52.1276	44.2862	41.4438	37.4760
σ		8.3283	9.9157	9.8790	1.6795	1.0642	0.2576	1.1433	0.4513
%RSD		3.0727	3.4370	2.9915	3.4877	2.0414	0.5817	2.7586	1.2042
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:44	74.4%	21.9786	26.2170	21.0597	32.0567	54.1088	54.8943	53.4383
2	16:11:43	76.2%	19.9373	25.1253	22.2033	27.2490	53.3403	54.2243	53.8109
3	16:12:41	75.3%	20.1439	26.8393	22.8421	30.4790	54.1514	54.0187	53.6027
x		75.3%	20.6866	26.0605	22.0350	29.9282	53.8668	54.3791	53.6173
σ		0.9%	1.1236	0.8677	0.9031	2.4507	0.4565	0.4579	0.1867
%RSD		1.2	5.4316	3.3294	4.0983	8.1886	0.8474	0.8420	0.3482
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:44	69.4%	16.1527	16.1396	17.6463	16.8154	16.9129	71.7%	19.5715
2	16:11:43	69.9%	15.9437	16.2043	17.8189	16.4409	17.0035	73.9%	19.6825
3	16:12:41	69.4%	16.0576	16.1149	17.0143	16.3991	17.2681	74.2%	19.4031
x		69.6%	16.0513	16.1529	17.4932	16.5518	17.0615	73.3%	19.5524
σ		0.3%	0.1046	0.0462	0.4236	0.2292	0.1846	1.3%	0.1407
%RSD		0.5	0.6518	0.2858	2.4214	1.3848	1.0819	1.8	0.7196
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:44	19.1018	23.2594	22.5480	22.6268	74.6%	18.0592	17.8043	18.8695
2	16:11:43	18.7149	22.6610	22.2336	22.5210	78.2%	17.7918	17.5071	18.7661
3	16:12:41	18.6313	22.6651	22.5454	22.3007	79.4%	17.4618	17.6328	18.5692
x		18.8160	22.8618	22.4423	22.4828	77.4%	17.7710	17.6481	18.7349
σ		0.2510	0.3443	0.1808	0.1664	2.5%	0.2993	0.1492	0.1525
%RSD		1.3342	1.5060	0.8057	0.7400	3.2	1.6840	0.8455	0.8141
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:10:44	18.9517	18.9477	74.8%	18.9754				
2	16:11:43	18.8772	18.7614	77.7%	19.0790				
3	16:12:41	18.8872	18.6857	79.1%	18.8532				
x		18.9054	18.7982	77.2%	18.9692				
σ		0.0405	0.1348	2.2%	0.1130				
%RSD		0.2140	0.7172	2.9	0.5958				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:09	83.6%	0.0063	209.1390	-0.2357	29.9627	58.4903	16.5724	0.2972
2	16:18:07	82.3%	0.0056	215.5972	0.1072	30.5558	57.7516	17.4329	0.3153
3	16:19:06	85.1%	0.0010	198.6310	0.1765	27.9827	53.1340	15.7942	0.2628
x		83.7%	0.0043	207.7891	0.0160	29.5004	56.4586	16.5998	0.2918
σ		1.4%	0.0028	8.5633	0.2207	1.3474	2.9028	0.8197	0.0266
%RSD		1.7	66.5410	4.1211	1378.6225	4.5675	5.1414	4.9382	9.1309
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:09	1.9278	18.0605	7.0332	16.2341	19.0212	47.7315	48.3492	44.1847
2	16:18:07	1.9191	17.1635	7.5498	16.3328	18.5451	49.5393	50.5132	45.5953
3	16:19:06	1.6734	14.8412	6.4803	14.2778	16.7395	45.2588	47.3647	42.4786
x		1.8401	16.6884	7.0211	15.6149	18.1019	47.5099	48.7424	44.0862
σ		0.1444	1.6614	0.5348	1.1590	1.2037	2.1488	1.6107	1.5607
%RSD		7.8494	9.9554	7.6173	7.4225	6.6496	4.5229	3.3045	3.5401
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:09	81.6%	1.4786	6.8172	1.9049	5.0380	128.9377	129.9413	130.4959
2	16:18:07	79.3%	1.0860	6.4143	0.7330	3.9122	134.8070	134.5920	136.2571
3	16:19:06	83.4%	0.9078	6.0555	0.7394	3.1900	125.4990	125.5349	125.0552
x		81.4%	1.1575	6.4290	1.1258	4.0468	129.7479	130.0227	130.6027
σ		2.1%	0.2920	0.3811	0.6748	0.9313	4.7066	4.5291	5.6017
%RSD		2.6	25.2306	5.9272	59.9382	23.0136	3.6275	3.4833	4.2891
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:09	81.7%	0.0487	0.0641	5.4776	4.9071	5.1313	82.0%	1.8176
2	16:18:07	79.3%	0.0520	0.0602	5.5107	5.1260	5.4094	81.2%	1.9178
3	16:19:06	82.9%	0.0497	0.0729	5.0696	4.9480	4.8959	84.9%	1.7452
x		81.3%	0.0502	0.0657	5.3526	4.9937	5.1456	82.7%	1.8269
σ		1.8%	0.0017	0.0065	0.2457	0.1164	0.2570	2.0%	0.0867
%RSD		2.2	3.3652	9.9090	4.5899	2.3304	4.9955	2.4	4.7460
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:09	1.8367	10.5766	10.4593	10.3898	83.6%	0.0200	0.0191	1.4735
2	16:18:07	1.9167	10.7481	10.9798	10.8628	84.4%	0.0173	0.0115	1.5223
3	16:19:06	1.7748	9.8005	10.1300	10.0902	90.1%	0.0089	0.0197	1.4066
x		1.8427	10.3750	10.5230	10.4476	86.0%	0.0154	0.0168	1.4675
σ		0.0711	0.5049	0.4285	0.3895	3.5%	0.0058	0.0046	0.0581
%RSD		3.8603	4.8667	4.0720	3.7284	4.1	37.4818	27.1230	3.9582
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:17:09	1.6371	1.5716	83.1%	0.0069				
2	16:18:07	1.7472	1.6574	84.5%	0.0094				
3	16:19:06	1.6010	1.5080	89.5%	0.0111				
x		1.6618	1.5790	85.7%	0.0092				
σ		0.0761	0.0750	3.3%	0.0021				
%RSD		4.5810	4.7490	3.9	22.9547				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:27	84.9%	0.7142	9388.0851	4.2000	5.6553	26.8153	20.4774	1.8287
2	16:26:26	85.7%	0.6126	9319.1056	4.2689	5.6287	24.7802	19.9796	1.7416
3	16:27:25	85.7%	0.6570	9117.8868	4.7220	5.5229	22.0425	19.6857	1.6670
x		85.4%	0.6613	9275.0258	4.3970	5.6023	24.5460	20.0476	1.7458
σ		0.5%	0.0510	140.3889	0.2836	0.0700	2.3950	0.4002	0.0809
%RSD		0.6	7.7056	1.5136	6.4504	1.2499	9.7573	1.9963	4.6337
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:27	11.5697	15.8809	13.4426	58.7319	59.7581	348.6071	331.1482	334.5036
2	16:26:26	11.0319	14.6686	12.9463	56.5168	56.8596	344.4275	325.0825	329.1318
3	16:27:25	11.5373	13.0126	12.7492	54.8659	55.8400	341.1009	320.8823	334.7184
x		11.3796	14.5207	13.0461	56.7049	57.4859	344.7118	325.7043	332.7846
σ		0.3016	1.4399	0.3573	1.9398	2.0327	3.7611	5.1611	3.1653
%RSD		2.6502	9.9159	2.7387	3.4209	3.5361	1.0911	1.5846	0.9511
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:27	88.9%	0.3568	3.3824	0.9862	0.2162	2.6700	2.5661	2.6930
2	16:26:26	89.4%	0.2116	4.0507	0.2334	0.3754	2.7733	2.6307	2.7017
3	16:27:25	89.9%	0.1744	4.2725	0.2821	-0.0614	2.6369	2.8143	2.6824
x		89.4%	0.2476	3.9019	0.5006	0.1767	2.6934	2.6704	2.6924
σ		0.5%	0.0963	0.4634	0.4213	0.2211	0.0711	0.1288	0.0096
%RSD		0.5	38.9105	11.8754	84.1538	125.0993	2.6407	4.8217	0.3574
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:27	85.4%	0.0482	0.0253	1.3766	1.3221	1.4330	84.0%	0.0505
2	16:26:26	85.1%	0.0401	0.0293	1.3392	1.3357	1.3500	85.5%	0.0509
3	16:27:25	83.6%	0.0438	0.0336	1.4276	1.3600	1.4277	85.9%	0.0680
x		84.7%	0.0440	0.0294	1.3812	1.3393	1.4036	85.2%	0.0565
σ		0.9%	0.0041	0.0041	0.0444	0.0192	0.0465	1.0%	0.0100
%RSD		1.1	9.2833	14.0677	3.2139	1.4355	3.3100	1.2	17.6728
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:27	0.0512	41.7666	41.8947	42.3445	84.7%	0.0619	0.0580	3.5673
2	16:26:26	0.0661	40.7188	40.4275	41.3700	89.0%	0.0568	0.0603	3.5198
3	16:27:25	0.0629	41.4751	41.1982	41.7236	90.1%	0.0482	0.0567	3.5393
x		0.0601	41.3202	41.1735	41.8127	87.9%	0.0556	0.0583	3.5422
σ		0.0078	0.5408	0.7339	0.4933	2.9%	0.0069	0.0019	0.0239
%RSD		13.0586	1.3088	1.7824	1.1799	3.3	12.4049	3.2011	0.6742
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:25:27	3.9605	3.7630	94.2%	0.4024				
2	16:26:26	3.8813	3.7010	98.9%	0.3865				
3	16:27:25	3.8799	3.7100	100.8%	0.3959				
x		3.9072	3.7247	98.0%	0.3949				
σ		0.0461	0.0335	3.4%	0.0080				
%RSD		1.1802	0.8987	3.5	2.0253				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:05	84.8%	0.0194	55.3223	-0.1244	0.5615	20.2413	22.2633	0.1062
2	16:31:04	86.2%	0.0245	53.5073	-0.2734	0.4591	18.7526	21.1719	0.1014
3	16:32:03	86.9%	0.0115	52.7562	0.1477	0.4497	17.3334	20.9851	0.0935
x		86.0%	0.0185	53.8619	-0.0834	0.4901	18.7757	21.4734	0.1004
σ		1.0%	0.0066	1.3193	0.2135	0.0620	1.4541	0.6903	0.0064
%RSD		1.2	35.6848	2.4494	256.1498	12.6490	7.7445	3.2149	6.3885
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:05	0.7000	3.1158	0.8902	2.2046	3.3281	14.0906	15.5784	13.5509
2	16:31:04	0.7141	2.8670	0.7908	2.0419	3.0275	13.8989	14.6095	12.5799
3	16:32:03	0.5526	-0.4233	0.8700	1.9464	2.9203	13.7180	13.4444	12.2807
x		0.6555	1.8531	0.8503	2.0643	3.0920	13.9025	14.5441	12.8038
σ		0.0895	1.9754	0.0525	0.1306	0.2114	0.1863	1.0685	0.6640
%RSD		13.6469	106.5966	6.1789	6.3247	6.8364	1.3401	7.3466	5.1863
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:05	83.8%	0.7520	3.0524	0.9166	1.7446	0.2082	0.2318	0.1876
2	16:31:04	86.3%	0.5364	3.1132	0.5808	1.5399	0.2133	0.2225	0.1945
3	16:32:03	87.2%	0.4342	2.9110	0.2793	1.0563	0.1826	0.2539	0.2189
x		85.8%	0.5742	3.0255	0.5922	1.4469	0.2014	0.2360	0.2004
σ		1.8%	0.1623	0.1038	0.3188	0.3534	0.0165	0.0162	0.0165
%RSD		2.1	28.2560	3.4292	53.8377	24.4273	8.1782	6.8516	8.2138
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:05	86.0%	0.0114	0.0129	0.0710	0.0783	0.0768	82.9%	0.0752
2	16:31:04	88.2%	0.0090	0.0104	0.0850	0.0696	0.0797	87.8%	0.0659
3	16:32:03	87.4%	0.0071	0.0065	0.0804	0.0601	0.0890	87.7%	0.0593
x		87.2%	0.0092	0.0100	0.0788	0.0693	0.0818	86.2%	0.0668
σ		1.1%	0.0021	0.0033	0.0071	0.0091	0.0063	2.8%	0.0080
%RSD		1.3	23.3085	32.7805	9.0479	13.0962	7.7598	3.2	12.0105
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:05	0.0663	2.6929	2.6188	2.7459	85.6%	-0.0002	-0.0019	0.5403
2	16:31:04	0.0754	2.5870	2.5578	2.6499	90.6%	-0.0010	-0.0065	0.5235
3	16:32:03	0.0736	2.5381	2.5538	2.6424	91.2%	-0.0001	-0.0028	0.5508
x		0.0718	2.6060	2.5768	2.6794	89.2%	-0.0004	-0.0037	0.5382
σ		0.0048	0.0791	0.0364	0.0577	3.1%	0.0005	0.0024	0.0138
%RSD		6.7028	3.0367	1.4126	2.1544	3.5	125.2102	65.1432	2.5583
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:30:05	0.6205	0.5874	86.4%	0.0461				
2	16:31:04	0.6093	0.5766	92.9%	0.0501				
3	16:32:03	0.5898	0.5781	93.9%	0.0439				
x		0.6065	0.5807	91.1%	0.0467				
σ		0.0155	0.0059	4.1%	0.0031				
%RSD		2.5606	1.0109	4.5	6.7059				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:58	81.1%	0.0023	140.5543	-1.3234	87.2622	110.0169	19.7178	0.3501
2	16:35:57	79.4%	-0.0016	139.9101	-0.6443	86.9868	107.1477	19.5968	0.3029
3	16:36:56	80.0%	0.0090	134.1440	-0.0430	81.6598	100.1778	18.7147	0.2807
x		80.2%	0.0032	138.2028	-0.6703	85.3029	105.7808	19.3431	0.3112
σ		0.8%	0.0053	3.5297	0.6406	3.1581	5.0600	0.5475	0.0354
%RSD		1.0	164.0175	2.5540	95.5749	3.7022	4.7835	2.8306	11.3891
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:58	5.1366	52.2819	17.9966	11.3134	12.6161	68.4417	70.6406	67.2183
2	16:35:57	5.3215	47.6953	16.1506	11.0213	12.0874	67.6281	67.2260	67.0736
3	16:36:56	5.0082	38.3916	15.4245	10.5523	12.1609	65.7114	64.4088	64.2844
x		5.1554	46.1229	16.5239	10.9624	12.2881	67.2604	67.4252	66.1921
σ		0.1575	7.0774	1.3260	0.3840	0.2864	1.4018	3.1207	1.6537
%RSD		3.0554	15.3446	8.0250	3.5026	2.3303	2.0841	4.6284	2.4984
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:58	73.2%	0.5527	9.0618	1.9098	3.1437	48.4881	49.3537	47.2983
2	16:35:57	73.3%	0.8455	7.5071	1.1926	3.3730	47.2083	47.9375	47.2426
3	16:36:56	73.9%	0.8566	7.2621	0.9995	2.9342	45.6981	47.1717	46.2844
x		73.4%	0.7516	7.9437	1.3673	3.1503	47.1315	48.1543	46.9418
σ		0.4%	0.1724	0.9760	0.4796	0.2195	1.3966	1.1070	0.5700
%RSD		0.5	22.9321	12.2869	35.0766	6.9668	2.9631	2.2989	1.2142
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:58	69.3%	0.2557	0.2560	30.7877	28.6061	29.1877	72.6%	1.0516
2	16:35:57	69.9%	0.2971	0.2602	30.9739	28.8987	29.4537	72.8%	1.0657
3	16:36:56	69.2%	0.2521	0.2738	29.6310	27.9967	28.5858	73.8%	1.0144
x		69.5%	0.2683	0.2633	30.4642	28.5005	29.0757	73.1%	1.0439
σ		0.4%	0.0250	0.0093	0.7276	0.4602	0.4446	0.7%	0.0265
%RSD		0.6	9.3298	3.5190	2.3883	1.6147	1.5292	0.9	2.5371
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:58	1.0090	70.5331	70.2681	70.0269	77.6%	-0.0002	0.0022	1.6215
2	16:35:57	1.0649	71.1599	70.4044	70.5635	80.2%	-0.0010	0.0043	1.5911
3	16:36:56	1.0349	68.3466	68.3295	68.7276	81.6%	0.0020	-0.0019	1.5056
x		1.0363	70.0132	69.6673	69.7727	79.8%	0.0003	0.0015	1.5727
σ		0.0280	1.4769	1.1606	0.9440	2.0%	0.0015	0.0032	0.0600
%RSD		2.6987	2.1095	1.6659	1.3530	2.5	529.6717	207.3296	3.8179
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:34:58	1.7939	1.7356	77.6%	0.0024				
2	16:35:57	1.7423	1.7316	80.0%	0.0050				
3	16:36:56	1.8004	1.6719	82.5%	0.0015				
x		1.7789	1.7130	80.0%	0.0030				
σ		0.0318	0.0357	2.4%	0.0018				
%RSD		1.7896	2.0821	3.0	60.7613				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:24	84.5%	0.0031	303.1052	-0.0846	57.9040	71.8631	2.0926	0.1172
2	16:42:23	84.8%	-0.0047	294.6036	0.0108	55.3207	67.8425	2.0015	0.1031
3	16:43:22	82.8%	0.0060	295.4230	0.3273	54.9246	67.0410	2.0085	0.1110
x		84.0%	0.0015	297.7106	0.0845	56.0498	68.9156	2.0342	0.1104
σ		1.1%	0.0056	4.6898	0.2156	1.6180	2.5839	0.0507	0.0071
%RSD		1.3	382.5821	1.5753	255.2367	2.8867	3.7494	2.4924	6.3933
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:24	1.4822	28.5723	7.9905	4.9378	5.7246	3.7164	4.9239	2.9748
2	16:42:23	1.4847	26.9664	7.5929	4.4951	5.3583	3.8071	4.3356	2.5664
3	16:43:22	1.2180	23.4055	6.8547	4.1623	5.1734	3.5242	4.1467	2.6907
x		1.3950	26.3147	7.4793	4.5317	5.4188	3.6826	4.4687	2.7440
σ		0.1532	2.6443	0.5764	0.3891	0.2805	0.1444	0.4053	0.2094
%RSD		10.9859	10.0488	7.7059	8.5854	5.1772	3.9224	9.0704	7.6300
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:24	75.7%	0.2069	5.4326	2.3884	1.7016	327.5316	325.8048	327.3170
2	16:42:23	76.9%	0.6526	4.0466	0.8159	1.7373	323.7479	327.2999	324.0536
3	16:43:22	78.8%	0.1586	4.5364	0.6350	0.9041	326.2858	326.4294	328.4781
x		77.1%	0.3393	4.6719	1.2798	1.4477	325.8551	326.5113	326.6162
σ		1.6%	0.2724	0.7029	0.9643	0.4711	1.9283	0.7509	2.2940
%RSD		2.0	80.2606	15.0448	75.3526	32.5385	0.5918	0.2300	0.7024
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:24	75.8%	0.0039	0.0137	3.4080	3.0108	3.2555	76.1%	3.7585
2	16:42:23	75.0%	0.0047	0.0273	3.3273	3.1036	3.1270	78.1%	3.6559
3	16:43:22	74.5%	0.0017	0.0082	3.5194	3.0479	3.0480	78.8%	3.6311
x		75.1%	0.0034	0.0164	3.4182	3.0541	3.1435	77.6%	3.6818
σ		0.6%	0.0016	0.0098	0.0965	0.0467	0.1047	1.4%	0.0675
%RSD		0.8	45.5344	60.0855	2.8220	1.5291	3.3300	1.8	1.8343
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:24	3.4972	2.1506	2.4147	2.4145	79.9%	0.0466	0.0453	0.8691
2	16:42:23	3.6196	2.1809	2.1981	2.3597	83.4%	0.0473	0.0512	0.9164
3	16:43:22	3.5509	2.3418	2.2481	2.3488	84.6%	0.0468	0.0464	0.8988
x		3.5559	2.2244	2.2870	2.3743	82.6%	0.0469	0.0476	0.8948
σ		0.0614	0.1028	0.1134	0.0352	2.4%	0.0004	0.0031	0.0239
%RSD		1.7264	4.6196	4.9600	1.4843	2.9	0.7502	6.5008	2.6700
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:41:24	1.0023	0.9636	81.3%	-0.0023				
2	16:42:23	1.0165	0.9638	85.3%	-0.0008				
3	16:43:22	1.0540	0.9638	85.3%	-0.0001				
x		1.0243	0.9637	84.0%	-0.0011				
σ		0.0267	0.0001	2.3%	0.0011				
%RSD		2.6105	0.0130	2.7	105.3811				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:49	86.2%	26.1206	24.0062	24.5723	25.1507	37.8009	24.9251	25.4935
2	16:55:48	87.7%	24.8800	24.1321	24.1155	24.6753	37.0946	24.7107	25.0750
3	16:56:46	87.1%	24.1261	23.9406	24.1690	24.4435	36.2594	24.5767	24.6414
X		87.0%	25.0423	24.0263	24.2856	24.7565	37.0516	24.7375	25.0699
σ		0.8%	1.0071	0.0973	0.2497	0.3605	0.7716	0.1757	0.4261
%RSD		0.9	4.0216	0.4051	1.0283	1.4562	2.0826	0.7105	1.6996
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:49	25.8062	25.9233	25.6457	25.6599	27.2490	25.7181	26.0025	24.3775
2	16:55:48	25.2128	27.2836	25.0489	24.9960	25.6107	25.1283	26.9941	24.4916
3	16:56:46	24.8713	26.7029	24.8629	24.5520	25.3520	25.0930	26.1579	24.0326
X		25.2968	26.6366	25.1858	25.0693	26.0705	25.3131	26.3849	24.3005
σ		0.4731	0.6826	0.4090	0.5576	1.0287	0.3512	0.5333	0.2390
%RSD		1.8700	2.5626	1.6238	2.2242	3.9458	1.3873	2.0214	0.9834
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:49	87.6%	24.1379	28.1549	25.7977	25.9630	24.4998	23.7861	24.4305
2	16:55:48	89.0%	21.9176	33.0925	23.9110	23.4822	24.2737	24.4307	24.4893
3	16:56:46	88.0%	25.1840	28.4231	23.3858	28.2229	24.8218	24.4790	24.4301
X		88.2%	23.7465	29.8902	24.3648	25.8894	24.5318	24.2319	24.4500
σ		0.7%	1.6680	2.7765	1.2684	2.3712	0.2754	0.3869	0.0341
%RSD		0.8	7.0241	9.2891	5.2057	9.1589	1.1227	1.5965	0.1394
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:49	88.4%	25.1788	24.8733	24.4908	24.2142	24.6302	86.5%	24.8381
2	16:55:48	88.5%	24.5283	24.5647	24.8315	24.4560	24.7090	88.9%	24.9911
3	16:56:46	86.8%	24.6814	24.4927	24.4860	24.3467	24.6547	88.7%	24.7898
X		87.9%	24.7962	24.6436	24.6028	24.3389	24.6646	88.0%	24.8730
σ		0.9%	0.3401	0.2022	0.1981	0.1211	0.0403	1.3%	0.1051
%RSD		1.1	1.3715	0.8205	0.8052	0.4976	0.1634	1.5	0.4225
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:54:49	24.5226	24.5908	24.4580	24.6906	86.8%	24.3958	24.3274	24.3080
2	16:55:48	24.6405	23.7697	24.6371	24.4271	90.6%	24.4568	24.1661	24.5511
3	16:56:46	24.7271	25.2039	24.3123	24.6402	90.2%	24.4493	24.4554	24.5118
X		24.6301	24.5215	24.4691	24.5860	89.2%	24.4339	24.3163	24.4570
σ		0.1026	0.7196	0.1627	0.1399	2.1%	0.0333	0.1450	0.1305
%RSD		0.4167	2.9345	0.6648	0.5690	2.4	0.1361	0.5962	0.5336
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	16:54:49	24.2384	24.4431	87.9%	24.4968				
2	16:55:48	24.3231	24.3465	91.5%	24.7442				
3	16:56:46	24.7592	24.6226	92.0%	24.5437				
X		24.4402	24.4707	90.5%	24.5949				
σ		0.2795	0.1401	2.3%	0.1314				
%RSD		1.1435	0.5727	2.5	0.5343				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:07	86.5%	0.0111	-0.0212	-0.3113	0.1582	11.4573	0.0137	-0.0001
2	17:11:04	88.1%	0.0013	-0.0326	-0.3965	0.1136	10.3057	-0.0033	0.0035
3	17:12:02	86.7%	-0.0018	-0.0048	-0.3683	0.1052	10.0927	0.0021	0.0010
x		87.1%	0.0035	-0.0196	-0.3587	0.1257	10.6186	0.0042	0.0015
σ		0.9%	0.0067	0.0140	0.0434	0.0285	0.7341	0.0087	0.0019
%RSD		1.0	190.5301	71.5527	12.1020	22.6813	6.9137	206.7508	127.1728
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:07	0.0036	0.1553	0.2479	0.1589	0.7078	0.4786	1.6231	0.0466
2	17:11:04	0.0025	0.9201	0.2036	0.1000	0.6744	0.4776	1.7538	0.0477
3	17:12:02	0.0149	-0.2985	0.2151	0.0836	0.7073	0.4221	1.8302	0.0515
x		0.0070	0.2590	0.2222	0.1142	0.6965	0.4594	1.7357	0.0486
σ		0.0069	0.6159	0.0230	0.0396	0.0192	0.0324	0.1047	0.0026
%RSD		98.2466	237.7919	10.3623	34.6602	2.7510	7.0432	6.0337	5.3473
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:07	85.3%	0.3349	2.1125	1.3067	0.7912	0.0317	0.0428	0.0411
2	17:11:04	89.5%	0.2952	1.9362	0.2918	1.0859	0.0503	0.0355	0.0734
3	17:12:02	88.1%	0.1836	1.8488	0.6597	0.6937	0.0582	0.0451	0.0685
x		87.7%	0.2712	1.9658	0.7527	0.8569	0.0467	0.0411	0.0610
σ		2.1%	0.0784	0.1343	0.5138	0.2042	0.0136	0.0050	0.0174
%RSD		2.4	28.9112	6.8331	68.2601	23.8294	29.1130	12.2291	28.5673
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:07	85.5%	0.0040	0.0026	-0.0015	0.0031	0.0023	84.1%	0.0034
2	17:11:04	85.8%	0.0066	0.0059	-0.0015	-0.0007	0.0011	88.1%	0.0032
3	17:12:02	87.4%	0.0026	0.0025	-0.0015	0.0017	0.0011	87.6%	0.0010
x		86.2%	0.0044	0.0036	-0.0015	0.0014	0.0015	86.6%	0.0026
σ		1.1%	0.0020	0.0019	0.0000	0.0019	0.0007	2.2%	0.0013
%RSD		1.2	45.9491	53.0756	0.0000	140.5825	43.4410	2.5	51.5645
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:07	0.0039	-0.0058	-0.0038	0.0057	85.1%	0.0018	0.0005	0.0111
2	17:11:04	0.0027	-0.0108	0.0061	0.0026	88.7%	-0.0013	-0.0052	0.0153
3	17:12:02	0.0027	-0.0223	0.0060	-0.0039	90.3%	-0.0043	-0.0025	0.0272
x		0.0031	-0.0129	0.0027	0.0015	88.0%	-0.0013	-0.0024	0.0179
σ		0.0007	0.0085	0.0057	0.0049	2.7%	0.0031	0.0028	0.0084
%RSD		21.8389	65.3606	206.9414	337.1503	3.0	245.7878	118.2895	46.7624
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:10:07	0.0246	0.0226	85.1%	0.0003				
2	17:11:04	0.0125	0.0160	90.8%	-0.0008				
3	17:12:02	0.0193	0.0212	90.6%	0.0003				
x		0.0188	0.0199	88.8%	-0.0001				
σ		0.0061	0.0035	3.3%	0.0007				
%RSD		32.3506	17.5079	3.7	801.2716				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	86.5%	0.0012	0.2223	-0.4797	0.1559	11.2883	0.0129	0.0040
2	17:15:33	88.5%	-0.0016	0.2565	-0.1716	0.1285	9.7768	0.0079	-0.0031
3	17:16:32	88.5%	-0.0079	0.2874	-0.2244	0.1155	9.0000	0.0109	-0.0022
x		87.8%	-0.0028	0.2554	-0.2919	0.1333	10.0217	0.0105	-0.0004
σ		1.1%	0.0046	0.0326	0.1648	0.0206	1.1636	0.0025	0.0039
%RSD		1.3	166.5534	12.7458	56.4367	15.4713	11.6112	23.8075	955.0169
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	0.0157	0.0255	0.2646	0.1442	0.6801	0.3961	1.7991	0.0328
2	17:15:33	-0.0000	-0.3154	0.1426	0.1127	0.6335	0.3842	1.4974	0.0535
3	17:16:32	-0.0002	0.3389	0.1791	0.0927	0.6148	0.3041	0.8661	0.0586
x		0.0051	0.0164	0.1954	0.1165	0.6428	0.3615	1.3876	0.0483
σ		0.0091	0.3272	0.0626	0.0259	0.0337	0.0501	0.4761	0.0136
%RSD		177.2589	2000.3912	32.0238	22.2637	5.2365	13.8503	34.3129	28.2345
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	85.8%	0.2065	1.5687	0.6435	0.7074	0.0209	0.0118	0.0093
2	17:15:33	87.3%	0.3616	1.6980	0.4294	0.9763	0.0204	0.0182	0.0155
3	17:16:32	88.4%	0.1861	2.2328	0.0668	1.2013	0.0326	0.0412	0.0281
x		87.2%	0.2514	1.8332	0.3799	0.9617	0.0246	0.0237	0.0176
σ		1.3%	0.0960	0.3521	0.2915	0.2473	0.0069	0.0155	0.0096
%RSD		1.5	38.1790	19.2051	76.7396	25.7131	28.0488	65.1647	54.4399
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	85.6%	0.0020	0.0012	0.0011	-0.0007	-0.0009	84.4%	0.0172
2	17:15:33	87.4%	-0.0000	0.0005	0.0010	0.0005	0.0011	87.7%	0.0224
3	17:16:32	88.6%	0.0038	0.0024	-0.0015	0.0005	0.0001	88.4%	0.0186
x		87.2%	0.0019	0.0014	0.0002	0.0001	0.0001	86.8%	0.0194
σ		1.5%	0.0019	0.0010	0.0015	0.0007	0.0010	2.1%	0.0027
%RSD		1.8	99.2019	73.2240	641.1385	708.7430	834.6857	2.4	13.9688
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	0.0154	-0.0099	0.0095	0.0049	85.9%	-0.0138	-0.0041	0.0013
2	17:15:33	0.0249	-0.0222	0.0082	-0.0008	89.7%	-0.0050	-0.0056	-0.0020
3	17:16:32	0.0192	-0.0072	-0.0006	0.0046	90.4%	0.0057	-0.0034	0.0010
x		0.0198	-0.0131	0.0057	0.0029	88.6%	-0.0044	-0.0044	0.0001
σ		0.0048	0.0080	0.0055	0.0032	2.4%	0.0098	0.0011	0.0018
%RSD		24.1414	61.1535	96.4621	110.4250	2.7	223.4448	25.0395	1326.1583
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:14:34	-0.0013	0.0006	85.7%	-0.0015				
2	17:15:33	-0.0025	-0.0025	90.5%	-0.0016				
3	17:16:32	0.0003	-0.0004	91.2%	-0.0012				
x		-0.0012	-0.0008	89.1%	-0.0014				
σ		0.0014	0.0016	3.0%	0.0002				
%RSD		120.5237	208.5642	3.4	13.1003				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:06	86.8%	20.2876	19.5408	19.4462	19.9119	28.2254	19.4458	19.6750
2	17:20:04	88.3%	19.4359	19.3243	19.0139	19.3910	27.0563	19.2348	19.3825
3	17:21:03	86.9%	19.1912	19.8042	18.9747	19.3647	27.4999	19.4702	19.6084
x		87.4%	19.6382	19.5564	19.1449	19.5558	27.5938	19.3836	19.5553
σ		0.8%	0.5755	0.2403	0.2616	0.3086	0.5902	0.1295	0.1533
%RSD		0.9	2.9306	1.2290	1.3666	1.5783	2.1387	0.6679	0.7840
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:06	19.9976	21.8320	21.0878	20.2641	20.5993	20.3753	22.0030	20.3419
2	17:20:04	19.5719	16.8109	19.8404	19.7428	19.9102	20.2044	21.9465	19.9330
3	17:21:03	19.5972	20.2594	19.5263	19.6894	20.2055	20.5027	20.6711	20.0963
x		19.7222	19.6341	20.1515	19.8988	20.2383	20.3608	21.5402	20.1238
σ		0.2388	2.5682	0.8259	0.3175	0.3457	0.1497	0.7532	0.2058
%RSD		1.2107	13.0806	4.0986	1.5957	1.7084	0.7351	3.4967	1.0227
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:06	85.4%	18.1431	23.6772	19.5623	19.8248	19.6556	19.9035	19.4357
2	17:20:04	87.7%	17.7068	23.7270	18.9777	18.3247	18.8803	19.0189	18.6549
3	17:21:03	86.2%	18.8185	21.7652	19.7140	21.0855	19.1995	19.1714	19.2297
x		86.4%	18.2228	23.0565	19.4180	19.7450	19.2452	19.3646	19.1068
σ		1.2%	0.5601	1.1185	0.3887	1.3821	0.3897	0.4729	0.4046
%RSD		1.4	3.0736	4.8513	2.0020	7.0000	2.0247	2.4420	2.1178
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:06	83.9%	19.7204	19.6646	19.6072	18.3261	18.8435	84.2%	19.5831
2	17:20:04	87.0%	19.2398	19.8014	19.8803	18.6570	18.9403	85.9%	19.7754
3	17:21:03	87.8%	19.0853	19.2022	19.3501	18.4935	18.9089	87.5%	19.5644
x		86.2%	19.3485	19.5561	19.6126	18.4922	18.8976	85.9%	19.6410
σ		2.0%	0.3312	0.3140	0.2651	0.1655	0.0494	1.7%	0.1168
%RSD		2.4	1.7119	1.6055	1.3518	0.8948	0.2613	1.9	0.5947
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:19:06	19.0801	18.7663	19.2945	19.3572	84.5%	19.5081	19.4774	19.6855
2	17:20:04	19.2293	19.4669	19.4214	19.3075	89.3%	19.1853	18.9125	19.0582
3	17:21:03	19.2172	19.0829	19.1070	19.1131	90.0%	19.0068	19.1575	19.2146
x		19.1755	19.1054	19.2743	19.2593	87.9%	19.2334	19.1824	19.3194
σ		0.0829	0.3508	0.1582	0.1290	3.0%	0.2541	0.2833	0.3265
%RSD		0.4323	1.8363	0.8207	0.6699	3.4	1.3212	1.4768	1.6901
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:19:06	19.5821	19.5257	84.9%	19.5867				
2	17:20:04	19.1321	19.0988	90.3%	19.2090				
3	17:21:03	18.9129	19.1049	91.1%	19.4200				
x		19.2090	19.2431	88.8%	19.4052				
σ		0.3412	0.2448	3.4%	0.1893				
%RSD		1.7761	1.2719	3.8	0.9754				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:29	83.6%	0.0033	2.9058	-0.3158	0.2793	14.1307	676.8247	0.1120
2	17:25:28	82.5%	0.0049	2.9299	0.0291	0.2579	12.7616	693.8165	0.0910
3	17:26:27	81.5%	0.0015	2.9773	-0.4045	0.2227	13.1564	674.3551	0.1039
x		82.5%	0.0032	2.9377	-0.2304	0.2533	13.3496	681.6654	0.1023
σ		1.1%	0.0017	0.0364	0.2291	0.0286	0.7047	10.5953	0.0106
%RSD		1.3	52.6871	1.2389	99.4416	11.2811	5.2788	1.5543	10.3742
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:29	0.9281	21.7445	0.6479	0.7538	1.0811	3.8336	4.5323	4.1589
2	17:25:28	0.7400	23.6027	0.5519	0.6875	1.0532	3.8309	4.9478	3.7543
3	17:26:27	0.7913	17.7189	0.5461	0.5929	0.9653	3.6087	4.5134	3.7436
x		0.8198	21.0220	0.5820	0.6781	1.0332	3.7577	4.6645	3.8856
σ		0.0972	3.0077	0.0572	0.0808	0.0604	0.1291	0.2455	0.2368
%RSD		11.8609	14.3073	9.8227	11.9221	5.8497	3.4361	5.2636	6.0931
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:29	81.1%	5.5177	4.6204	1.5076	1.1644	1.0417	1.1789	1.0920
2	17:25:28	80.6%	5.3659	3.5954	0.6083	-0.0329	1.0378	1.0609	1.1402
3	17:26:27	80.9%	5.0151	3.1719	0.2385	0.0523	1.1058	1.1027	1.1376
x		80.9%	5.2996	3.7959	0.7848	0.3946	1.0617	1.1142	1.1233
σ		0.2%	0.2577	0.7447	0.6527	0.6680	0.0382	0.0599	0.0271
%RSD		0.3	4.8636	19.6196	83.1687	169.2783	3.5956	5.3727	2.4134
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:29	82.2%	0.0064	0.0077	0.1708	0.1926	0.1847	80.0%	0.0658
2	17:25:28	81.6%	0.0077	0.0091	0.1834	0.1960	0.1889	82.6%	0.0628
3	17:26:27	79.0%	0.0044	0.0042	0.1951	0.1837	0.1798	81.5%	0.0762
x		80.9%	0.0061	0.0070	0.1831	0.1908	0.1845	81.4%	0.0683
σ		1.7%	0.0017	0.0025	0.0121	0.0063	0.0046	1.3%	0.0070
%RSD		2.1	27.2402	36.1591	6.6136	3.3202	2.4846	1.6	10.2768
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:24:29	0.0688	8.1600	8.4955	8.4606	83.7%	-0.0034	-0.0011	0.0232
2	17:25:28	0.0518	8.4114	8.1856	8.3386	87.2%	-0.0003	-0.0013	0.0333
3	17:26:27	0.0573	8.4595	8.3667	8.4322	87.7%	-0.0075	-0.0036	0.0340
x		0.0593	8.3436	8.3493	8.4105	86.2%	-0.0037	-0.0020	0.0301
σ		0.0087	0.1608	0.1557	0.0638	2.2%	0.0036	0.0014	0.0060
%RSD		14.6211	1.9276	1.8644	0.7585	2.5	95.9357	70.4906	20.0080
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:24:29	0.0291	0.0272	84.1%	0.0010				
2	17:25:28	0.0272	0.0361	88.5%	0.0043				
3	17:26:27	0.0186	0.0292	88.7%	0.0014				
x		0.0250	0.0308	87.1%	0.0022				
σ		0.0056	0.0047	2.6%	0.0018				
%RSD		22.4565	15.1657	3.0	80.9849				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:00	82.9%	0.0035	11.3933	-0.1706	0.2532	12.3114	420.9560	0.0914
2	17:29:59	82.4%	0.0018	11.1430	-0.1475	0.2403	11.9805	415.5270	0.0908
3	17:30:58	80.3%	0.0019	11.2524	-0.2562	0.1898	12.0833	416.4342	0.0824
x		81.9%	0.0024	11.2629	-0.1914	0.2278	12.1251	417.6391	0.0882
σ		1.4%	0.0010	0.1255	0.0573	0.0335	0.1694	2.9082	0.0050
%RSD		1.7	40.2943	1.1143	29.9176	14.7198	1.3969	0.6963	5.7042
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:00	0.9091	19.6333	0.7042	0.6899	0.8415	3.8972	4.6309	4.0346
2	17:29:59	0.8496	17.4870	0.6852	0.5213	0.8474	3.9294	4.9405	3.8284
3	17:30:58	0.8521	15.1061	0.5473	0.5715	0.7851	4.0122	4.6490	3.7438
x		0.8703	17.4088	0.6456	0.5943	0.8246	3.9463	4.7401	3.8689
σ		0.0336	2.2647	0.0856	0.0865	0.0344	0.0593	0.1738	0.1496
%RSD		3.8655	13.0087	13.2602	14.5639	4.1670	1.5035	3.6657	3.8661
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:00	80.2%	4.2167	3.1346	1.2191	0.5310	1.1046	1.0562	0.9955
2	17:29:59	80.7%	4.4528	3.2457	0.4086	1.8363	1.0481	1.1676	1.0744
3	17:30:58	79.4%	4.2810	3.1920	-0.2519	1.1145	1.1343	0.9987	1.1181
x		80.1%	4.3168	3.1908	0.4586	1.1606	1.0957	1.0742	1.0627
σ		0.7%	0.1221	0.0556	0.7368	0.6539	0.0438	0.0859	0.0622
%RSD		0.8	2.8279	1.7417	160.6695	56.3365	3.9965	7.9965	5.8485
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:00	79.4%	0.0037	0.0101	0.1711	0.1955	0.1967	79.3%	0.0436
2	17:29:59	78.6%	0.0087	0.0079	0.1752	0.2002	0.1982	80.6%	0.0508
3	17:30:58	76.9%	0.0052	0.0065	0.1444	0.1743	0.1857	80.0%	0.0543
x		78.3%	0.0059	0.0082	0.1636	0.1900	0.1935	80.0%	0.0496
σ		1.3%	0.0026	0.0018	0.0167	0.0138	0.0069	0.7%	0.0055
%RSD		1.6	43.7037	22.2713	10.2024	7.2614	3.5397	0.8	11.0237
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:00	0.0460	6.3867	6.1152	6.3152	82.6%	0.0064	-0.0005	0.0435
2	17:29:59	0.0421	6.1360	6.2420	6.1856	84.8%	-0.0041	-0.0046	0.0389
3	17:30:58	0.0513	6.4490	6.0769	6.2505	87.0%	0.0035	-0.0043	0.0427
x		0.0465	6.3239	6.1447	6.2504	84.8%	0.0019	-0.0031	0.0417
σ		0.0046	0.1657	0.0864	0.0648	2.2%	0.0054	0.0023	0.0025
%RSD		9.9571	2.6200	1.4062	1.0361	2.6	279.2083	71.9861	5.9822
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:29:00	0.0397	0.0438	84.0%	0.0006				
2	17:29:59	0.0466	0.0419	87.9%	0.0011				
3	17:30:58	0.0390	0.0374	88.2%	0.0013				
x		0.0417	0.0410	86.7%	0.0010				
σ		0.0042	0.0033	2.3%	0.0004				
%RSD		10.0922	7.9816	2.7	35.6064				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:33	77.2%	0.0062	27.9382	0.1004	1.7145	16.0832	254.5422	0.1577
2	17:34:32	77.3%	0.0074	27.3388	-0.2991	1.4944	15.9285	246.7428	0.1205
3	17:35:31	76.2%	0.0065	25.9021	-0.2089	1.5935	15.6323	250.3708	0.1476
x		76.9%	0.0067	27.0597	-0.1359	1.6008	15.8813	250.5520	0.1419
σ		0.6%	0.0006	1.0463	0.2095	0.1102	0.2291	3.9029	0.0192
%RSD		0.8	9.3625	3.8668	154.2342	6.8837	1.4424	1.5577	13.5435
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:33	1.1879	21.3924	0.9627	4.6237	4.7126	26.1473	25.2646	25.5333
2	17:34:32	1.1968	17.8027	1.1139	4.5146	4.5181	26.1607	28.0986	25.4349
3	17:35:31	0.9885	19.7073	0.9767	4.3700	4.7399	26.1127	25.2025	25.4854
x		1.1244	19.6342	1.0178	4.5028	4.6568	26.1402	26.1886	25.4845
σ		0.1178	1.7959	0.0836	0.1273	0.1210	0.0247	1.6545	0.0492
%RSD		10.4751	9.1471	8.2111	2.8260	2.5977	0.0947	6.3175	0.1932
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:33	75.2%	3.8571	5.2091	1.6231	0.8342	0.8993	0.9159	0.9751
2	17:34:32	75.8%	4.2343	3.9217	0.9175	1.5768	0.9402	0.8889	0.9206
3	17:35:31	74.5%	3.9685	4.6267	1.1124	1.3221	0.9245	0.9921	0.9919
x		75.2%	4.0200	4.5858	1.2177	1.2444	0.9213	0.9323	0.9625
σ		0.6%	0.1938	0.6447	0.3644	0.3773	0.0206	0.0535	0.0373
%RSD		0.9	4.8202	14.0585	29.9236	30.3240	2.2347	5.7428	3.8764
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:33	75.0%	0.0047	0.0084	0.0593	0.0760	0.0828	75.1%	0.1585
2	17:34:32	73.6%	0.0078	0.0037	0.0499	0.0661	0.0805	77.6%	0.1409
3	17:35:31	71.7%	0.0041	0.0046	0.0863	0.0807	0.0661	75.6%	0.1380
x		73.4%	0.0056	0.0055	0.0652	0.0743	0.0765	76.1%	0.1458
σ		1.6%	0.0020	0.0025	0.0189	0.0074	0.0090	1.3%	0.0111
%RSD		2.2	35.2935	45.0642	28.9983	10.0145	11.8260	1.7	7.5844
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:33	0.1322	6.8024	6.6181	6.6890	80.0%	0.0052	-0.0021	0.8859
2	17:34:32	0.1507	6.4725	6.4193	6.5188	82.5%	0.0017	-0.0014	0.8729
3	17:35:31	0.1570	6.5963	6.7871	6.7351	83.8%	0.0046	-0.0038	0.8655
x		0.1466	6.6238	6.6082	6.6476	82.1%	0.0038	-0.0024	0.8748
σ		0.0129	0.1666	0.1841	0.1140	1.9%	0.0019	0.0012	0.0104
%RSD		8.8138	2.5158	2.7859	1.7142	2.3	49.8902	50.1334	1.1834
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:33:33	0.9244	0.9138	83.7%	0.0260				
2	17:34:32	0.9442	0.9028	86.3%	0.0288				
3	17:35:31	0.9608	0.9190	87.9%	0.0221				
x		0.9431	0.9119	86.0%	0.0256				
σ		0.0182	0.0083	2.1%	0.0033				
%RSD		1.9344	0.9082	2.5	13.0138				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:06	78.7%	0.0222	21.3524	0.1549	1.6459	15.7598	3691.7933	0.2028
2	17:39:05	76.7%	0.0449	21.6047	0.5789	1.5856	14.4793	3692.8505	0.1924
3	17:40:04	78.1%	0.0257	21.6989	-0.0992	1.6037	15.9532	3701.9632	0.1620
x		77.9%	0.0309	21.5520	0.2115	1.6118	15.3974	3695.5356	0.1857
σ		1.0%	0.0122	0.1792	0.3426	0.0309	0.8010	5.5914	0.0212
%RSD		1.3	39.4856	0.8313	161.9418	1.9199	5.2018	0.1513	11.4070
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:06	1.0495	22.1956	0.8900	4.0821	4.0954	9.4739	11.4673	10.4909
2	17:39:05	0.9796	15.8137	0.9877	3.8348	3.9840	9.6276	11.6260	10.1401
3	17:40:04	0.9852	19.5149	0.8953	3.6679	3.9065	9.6876	9.8635	9.8690
x		1.0048	19.1747	0.9243	3.8616	3.9953	9.5964	10.9856	10.1667
σ		0.0389	3.2045	0.0549	0.2084	0.0949	0.1103	0.9750	0.3118
%RSD		3.8671	16.7122	5.9437	5.3970	2.3756	1.1490	8.8753	3.0668
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:06	77.2%	31.8717	4.1609	1.7584	2.0056	0.5469	0.6217	0.6470
2	17:39:05	76.8%	31.6251	4.2016	1.3681	1.2429	0.7220	0.7480	0.5627
3	17:40:04	76.6%	31.3049	4.1473	0.7410	1.4768	0.6225	0.7345	0.5982
x		76.9%	31.6006	4.1699	1.2892	1.5751	0.6305	0.7014	0.6026
σ		0.3%	0.2842	0.0282	0.5133	0.3907	0.0878	0.0694	0.0423
%RSD		0.4	0.8994	0.6772	39.8126	24.8078	13.9344	9.8880	7.0258
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:06	75.1%	0.0047	0.0044	0.0470	0.0565	0.0476	76.8%	0.1054
2	17:39:05	73.6%	0.0048	0.0045	0.0419	0.0559	0.0458	76.0%	0.1021
3	17:40:04	73.3%	0.0063	0.0053	0.0677	0.0599	0.0584	76.4%	0.1150
x		74.0%	0.0053	0.0047	0.0522	0.0574	0.0506	76.4%	0.1075
σ		1.0%	0.0009	0.0005	0.0137	0.0022	0.0068	0.4%	0.0067
%RSD		1.3	17.4076	9.9651	26.2246	3.7922	13.4491	0.6	6.2290
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:06	0.1114	43.8840	43.8361	44.7451	81.1%	0.0019	0.0022	0.3664
2	17:39:05	0.1017	45.5380	44.4235	45.2890	82.8%	-0.0034	0.0033	0.3243
3	17:40:04	0.0801	44.5440	44.6580	44.8442	83.3%	-0.0006	0.0035	0.3480
x		0.0977	44.6553	44.3059	44.9594	82.4%	-0.0007	0.0030	0.3462
σ		0.0160	0.8326	0.4234	0.2897	1.2%	0.0026	0.0007	0.0211
%RSD		16.4182	1.8646	0.9557	0.6443	1.4	395.0800	24.1148	6.1058
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:38:06	0.3892	0.3747	83.5%	0.0860				
2	17:39:05	0.3942	0.3809	84.4%	0.0905				
3	17:40:04	0.3991	0.3817	85.7%	0.0960				
x		0.3941	0.3791	84.5%	0.0909				
σ		0.0050	0.0038	1.1%	0.0050				
%RSD		1.2560	1.0092	1.3	5.5229				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:48	77.7%	0.0369	22.5431	0.4592	1.7332	15.1672	3554.9943	0.1858
2	17:43:47	77.7%	0.0195	22.1441	0.3705	1.6088	14.6201	3542.2399	0.2282
3	17:44:46	77.8%	0.0318	21.3054	0.4903	1.6096	14.0895	3589.7416	0.1695
x		77.7%	0.0294	21.9975	0.4400	1.6505	14.6256	3562.3253	0.1945
σ		0.0%	0.0089	0.6317	0.0622	0.0716	0.5389	24.5847	0.0303
%RSD		0.0	30.4427	2.8716	14.1319	4.3370	3.6844	0.6901	15.5719
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:48	0.9397	23.8503	0.8890	3.7901	3.8277	15.3991	16.4409	15.7271
2	17:43:47	0.8112	20.4551	0.7853	3.5312	3.7015	15.8024	16.0791	15.3272
3	17:44:46	0.7723	18.9699	0.9551	3.5418	3.6922	15.6644	15.5531	15.8508
x		0.8411	21.0918	0.8765	3.6210	3.7405	15.6220	16.0243	15.6350
σ		0.0876	2.5017	0.0856	0.1465	0.0757	0.2050	0.4464	0.2737
%RSD		10.4170	11.8611	9.7646	4.0464	2.0237	1.3120	2.7857	1.7505
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:48	76.8%	30.1117	5.4525	1.9784	1.3796	0.7345	0.6703	0.6886
2	17:43:47	77.0%	30.5474	3.4395	1.3580	1.4119	0.6362	0.6686	0.6761
3	17:44:46	76.4%	30.4338	4.1521	0.5116	1.1526	0.6140	0.6942	0.6795
x		76.8%	30.3643	4.3480	1.2826	1.3147	0.6616	0.6777	0.6814
σ		0.3%	0.2260	1.0207	0.7363	0.1413	0.0641	0.0143	0.0065
%RSD		0.4	0.7443	23.4741	57.4068	10.7499	9.6952	2.1128	0.9537
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:48	73.9%	0.0017	0.0052	0.0442	0.0495	0.0450	77.4%	0.0772
2	17:43:47	75.6%	0.0002	0.0036	0.0412	0.0579	0.0453	76.7%	0.0861
3	17:44:46	73.9%	0.0048	0.0045	0.0444	0.0427	0.0465	76.8%	0.0942
x		74.5%	0.0022	0.0044	0.0433	0.0500	0.0456	77.0%	0.0858
σ		1.0%	0.0023	0.0008	0.0018	0.0076	0.0008	0.4%	0.0085
%RSD		1.4	105.3526	17.7518	4.0772	15.1569	1.7181	0.5	9.9109
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:48	0.0857	41.9350	42.0763	42.4006	80.6%	0.0001	0.0002	0.3711
2	17:43:47	0.0872	42.5362	43.1476	43.0947	82.4%	-0.0016	0.0021	0.3682
3	17:44:46	0.0807	42.4708	42.6929	43.5696	83.9%	0.0024	0.0008	0.3657
x		0.0845	42.3140	42.6389	43.0216	82.3%	0.0003	0.0010	0.3683
σ		0.0034	0.3298	0.5377	0.5880	1.6%	0.0020	0.0010	0.0027
%RSD		4.0744	0.7795	1.2610	1.3667	2.0	690.6120	93.7166	0.7401
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:42:48	0.4085	0.3884	81.6%	0.0933				
2	17:43:47	0.4216	0.3929	84.8%	0.0924				
3	17:44:46	0.4155	0.3869	85.5%	0.0941				
x		0.4152	0.3894	84.0%	0.0933				
σ		0.0066	0.0031	2.0%	0.0009				
%RSD		1.5780	0.8028	2.4	0.9328				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:22	78.5%	0.0005	19.5817	-0.1415	1.6779	16.2073	145.1564	0.1148
2	17:48:21	77.0%	0.0043	20.1688	-0.0408	1.5790	14.8320	143.7018	0.0860
3	17:49:20	77.7%	-0.0063	21.4262	-0.0856	1.6517	14.5444	145.7247	0.0910
x		77.7%	-0.0005	20.3922	-0.0893	1.6362	15.1946	144.8609	0.0973
$\sigma$		0.8%	0.0054	0.9423	0.0504	0.0512	0.8887	1.0433	0.0154
%RSD		1.0	1084.0056	4.6210	56.4841	3.1288	5.8491	0.7202	15.8240
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:22	1.0550	17.2986	1.0537	4.6308	4.9988	33.3711	31.3049	32.3159
2	17:48:21	0.9071	17.0423	1.0341	4.3760	4.5514	33.4067	32.0276	32.6776
3	17:49:20	0.8260	12.5803	0.8985	4.3518	4.5902	33.4386	32.3411	32.8458
x		0.9294	15.6404	0.9955	4.4529	4.7135	33.4055	31.8912	32.6131
$\sigma$		0.1161	2.6532	0.0845	0.1546	0.2479	0.0338	0.5314	0.2708
%RSD		12.4972	16.9638	8.4913	3.4711	5.2592	0.1011	1.6663	0.8303
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:22	76.2%	3.5924	3.0343	1.1161	1.7549	0.8614	0.9200	0.8641
2	17:48:21	76.5%	3.2237	3.0808	1.0809	0.8277	0.8645	0.8773	0.8948
3	17:49:20	75.1%	3.1727	4.3715	0.9446	1.7768	0.8298	0.9877	0.8965
x		75.9%	3.3296	3.4955	1.0472	1.4531	0.8519	0.9283	0.8851
$\sigma$		0.7%	0.2290	0.7590	0.0906	0.5417	0.0192	0.0557	0.0182
%RSD		1.0	6.8776	21.7141	8.6537	37.2792	2.2558	5.9949	2.0598
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:22	74.0%	0.0017	0.0076	0.1050	0.0711	0.0666	76.3%	0.1240
2	17:48:21	74.6%	0.0077	0.0067	0.0778	0.0713	0.0687	77.8%	0.1114
3	17:49:20	73.1%	0.0033	0.0068	0.0816	0.0832	0.0773	77.3%	0.1145
x		73.9%	0.0042	0.0070	0.0881	0.0752	0.0709	77.1%	0.1166
$\sigma$		0.8%	0.0031	0.0005	0.0147	0.0069	0.0057	0.8%	0.0066
%RSD		1.1	73.3949	6.8440	16.7095	9.2326	8.0320	1.0	5.6242
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:47:22	0.1334	5.3504	5.3815	5.4213	80.3%	-0.0080	-0.0017	0.6311
2	17:48:21	0.0984	5.2416	5.3325	5.3911	83.2%	0.0005	-0.0030	0.6276
3	17:49:20	0.1155	5.3567	5.2454	5.3976	83.8%	0.0024	-0.0061	0.6432
x		0.1158	5.3163	5.3198	5.4033	82.4%	-0.0017	-0.0036	0.6340
$\sigma$		0.0175	0.0647	0.0689	0.0159	1.9%	0.0056	0.0022	0.0082
%RSD		15.1188	1.2171	1.2955	0.2940	2.3	332.3462	62.3999	1.2929
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:47:22	0.7139	0.6802	81.3%	0.0187				
2	17:48:21	0.7044	0.6754	84.2%	0.0205				
3	17:49:20	0.7185	0.6812	85.5%	0.0168				
x		0.7122	0.6789	83.7%	0.0187				
$\sigma$		0.0072	0.0031	2.2%	0.0019				
%RSD		1.0108	0.4583	2.6	10.0087				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:57	78.6%	0.0063	20.7771	-0.1551	1.7366	15.5874	140.4276	0.0944
2	17:52:54	78.3%	0.0025	20.7696	0.2283	1.4968	13.6813	139.4764	0.1182
3	17:53:52	77.6%	0.0092	20.6049	0.0837	1.4987	13.5031	141.4184	0.0988
x		78.2%	0.0060	20.7172	0.0523	1.5774	14.2573	140.4408	0.1038
σ		0.5%	0.0034	0.0973	0.1937	0.1379	1.1554	0.9711	0.0127
%RSD		0.6	56.0126	0.4697	370.4264	8.7451	8.1038	0.6914	12.2153
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:57	0.9765	16.1297	0.9653	4.5490	4.4067	32.6195	32.0498	32.1795
2	17:52:54	0.9301	17.4003	0.9224	4.2772	4.4065	33.1192	31.2909	31.8192
3	17:53:52	0.9401	13.2916	0.8919	4.1619	4.4724	32.5279	31.6351	32.8185
x		0.9489	15.6072	0.9265	4.3294	4.4286	32.7555	31.6586	32.2724
σ		0.0244	2.1036	0.0369	0.1987	0.0380	0.3183	0.3800	0.5061
%RSD		2.5737	13.4782	3.9796	4.5902	0.8574	0.9717	1.2003	1.5683
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:57	77.0%	3.3006	4.0874	1.3705	1.4080	0.8511	0.9489	0.8165
2	17:52:54	76.6%	3.0410	3.6649	0.9389	0.7799	0.8055	0.8783	0.8527
3	17:53:52	75.5%	3.1329	4.1989	1.1940	1.9017	0.9109	0.8958	0.8496
x		76.4%	3.1582	3.9837	1.1678	1.3632	0.8558	0.9077	0.8396
σ		0.8%	0.1316	0.2817	0.2170	0.5623	0.0528	0.0368	0.0201
%RSD		1.1	4.1680	7.0713	18.5793	41.2460	6.1742	4.0528	2.3910
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:57	76.3%	0.0068	0.0074	0.0578	0.0684	0.0552	77.4%	0.1422
2	17:52:54	74.9%	0.0084	0.0059	0.0780	0.0618	0.0805	77.4%	0.1078
3	17:53:52	74.1%	0.0062	0.0052	0.0695	0.0645	0.0654	77.7%	0.1528
x		75.1%	0.0072	0.0062	0.0684	0.0649	0.0671	77.5%	0.1342
σ		1.1%	0.0011	0.0011	0.0102	0.0033	0.0127	0.2%	0.0235
%RSD		1.4	15.9444	18.2354	14.8327	5.1448	18.9703	0.3	17.5337
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:57	0.1220	5.1101	5.2378	5.1851	82.0%	0.0036	0.0000	0.6176
2	17:52:54	0.0916	5.2331	5.1660	5.3095	83.1%	-0.0056	-0.0048	0.6389
3	17:53:52	0.1573	5.3338	5.2453	5.2911	84.1%	-0.0032	-0.0022	0.6448
x		0.1237	5.2257	5.2164	5.2619	83.1%	-0.0018	-0.0023	0.6338
σ		0.0329	0.1120	0.0438	0.0671	1.1%	0.0048	0.0024	0.0143
%RSD		26.5850	2.1440	0.8390	1.2760	1.3	269.5164	104.2644	2.2534
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:51:57	0.6865	0.6657	83.3%	0.0187				
2	17:52:54	0.7055	0.6782	84.7%	0.0217				
3	17:53:52	0.7227	0.6793	85.3%	0.0149				
x		0.7049	0.6744	84.5%	0.0184				
σ		0.0181	0.0076	1.0%	0.0034				
%RSD		2.5653	1.1220	1.2	18.4871				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:27	79.3%	18.9866	37.3630	18.4249	19.7953	31.0933	157.0070	18.5813
2	17:57:24	77.0%	18.1499	37.9201	17.9873	19.2541	29.9311	155.3185	18.0811
3	17:58:23	76.7%	18.1509	37.7728	18.0101	19.1659	29.5555	156.2030	17.9203
X		77.7%	18.4291	37.6853	18.1407	19.4051	30.1933	156.1762	18.1942
σ		1.4%	0.4828	0.2887	0.2463	0.3408	0.8017	0.8446	0.3447
%RSD		1.8	2.6196	0.7660	1.3579	1.7563	2.6553	0.5408	1.8947
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:27	18.9437	38.1982	19.1822	22.6152	23.0926	51.6241	50.6799	50.5189
2	17:57:24	18.3820	36.6253	18.8438	21.4489	21.8648	51.4658	51.3575	50.6520
3	17:58:23	18.3112	30.3252	18.0719	21.7404	22.1670	51.7882	49.1762	50.2910
X		18.5456	35.0496	18.6993	21.9348	22.3748	51.6260	50.4045	50.4873
σ		0.3465	4.1663	0.5691	0.6070	0.6397	0.1612	1.1164	0.1825
%RSD		1.8685	11.8869	3.0434	2.7671	2.8590	0.3122	2.2149	0.3616
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:27	75.6%	21.6206	25.9299	20.7037	21.8259	19.1272	19.8285	19.8369
2	17:57:24	75.7%	21.1814	23.1681	20.5212	19.2782	19.6729	19.9917	19.6297
3	17:58:23	75.6%	21.2458	22.1278	20.9934	21.0714	19.4442	19.5447	20.0420
X		75.7%	21.3493	23.7419	20.7394	20.7252	19.4148	19.7883	19.8362
σ		0.1%	0.2372	1.9649	0.2382	1.3086	0.2741	0.2262	0.2062
%RSD		0.1	1.1111	8.2762	1.1483	6.3142	1.4116	1.1429	1.0394
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:27	75.0%	18.4628	18.3715	18.4286	17.7547	18.4501	76.8%	18.9442
2	17:57:24	73.9%	18.0573	18.1728	18.6231	17.5915	18.5471	77.1%	19.2704
3	17:58:23	72.9%	18.5972	18.2259	19.8609	18.0936	18.2973	77.2%	19.0853
X		73.9%	18.3725	18.2567	18.9709	17.8133	18.4315	77.1%	19.1000
σ		1.1%	0.2811	0.1029	0.7770	0.2561	0.1259	0.2%	0.1636
%RSD		1.4	1.5298	0.5635	4.0955	1.4378	0.6832	0.3	0.8565
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:27	18.5598	23.8931	23.4026	23.4827	80.9%	18.4353	18.3893	18.9032
2	17:57:24	18.8412	23.1332	23.2641	23.3764	83.3%	18.1399	18.0557	18.6981
3	17:58:23	18.9960	23.6928	23.6571	23.5787	84.7%	18.0442	18.0013	18.7699
X		18.7990	23.5730	23.4412	23.4793	83.0%	18.2065	18.1488	18.7904
σ		0.2212	0.3939	0.1993	0.1012	1.9%	0.2039	0.2101	0.1041
%RSD		1.1764	1.6709	0.8504	0.4309	2.3	1.1198	1.1575	0.5539
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	17:56:27	18.9654	19.0647	82.4%	18.9267				
2	17:57:24	18.8776	18.8383	84.6%	18.9835				
3	17:58:23	18.6884	18.7936	85.9%	18.9504				
X		18.8438	18.8989	84.3%	18.9535				
σ		0.1416	0.1453	1.8%	0.0285				
%RSD		0.7513	0.7691	2.1	0.1506				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:44	82.9%	25.7523	23.8976	24.5504	25.5638	33.4139	24.5832	25.9354
2	18:02:42	83.3%	24.8755	24.3558	24.0282	24.2557	32.4186	24.6330	24.7061
3	18:03:41	84.9%	23.8393	23.6047	23.1812	23.7152	30.6494	24.5952	24.1155
x		83.7%	24.8224	23.9527	23.9199	24.5116	32.1606	24.6038	24.9190
σ		1.0%	0.9576	0.3785	0.6910	0.9505	1.4002	0.0260	0.9284
%RSD		1.2	3.8579	1.5804	2.8889	3.8778	4.3538	0.1058	3.7259
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:44	26.4563	25.6101	26.0114	25.8766	26.5747	25.0173	24.3630	24.3655
2	18:02:42	25.0420	23.9889	25.2297	25.2169	25.2986	25.1779	25.0533	24.6104
3	18:03:41	24.1723	25.3891	24.8446	24.4851	24.4737	24.3862	24.6248	24.4244
x		25.2235	24.9960	25.3619	25.1929	25.4490	24.8605	24.6804	24.4668
σ		1.1528	0.8792	0.5945	0.6961	1.0586	0.4185	0.3485	0.1278
%RSD		4.5702	3.5173	2.3442	2.7631	4.1595	1.6834	1.4120	0.5224
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:44	79.7%	23.9643	29.3443	27.5422	25.9749	24.5634	25.2760	24.3507
2	18:02:42	81.9%	23.9338	29.0671	25.6197	25.9818	24.8582	25.0369	25.3106
3	18:03:41	82.7%	23.4849	27.2957	24.4109	24.6284	24.8792	24.5628	24.4727
x		81.5%	23.7943	28.5690	25.8576	25.5284	24.7670	24.9586	24.7113
σ		1.6%	0.2684	1.1114	1.5792	0.7794	0.1766	0.3630	0.5226
%RSD		1.9	1.1280	3.8902	6.1072	3.0531	0.7130	1.4543	2.1148
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:44	80.2%	25.0889	25.1897	24.8838	24.9069	25.1467	79.1%	25.2527
2	18:02:42	81.8%	24.5906	24.5674	24.1438	24.3951	24.4864	84.0%	24.4228
3	18:03:41	81.8%	24.6076	24.4989	24.5805	24.2412	24.7325	84.9%	24.7193
x		81.3%	24.7623	24.7520	24.5360	24.5144	24.7885	82.7%	24.7983
σ		1.0%	0.2829	0.3806	0.3720	0.3485	0.3337	3.1%	0.4205
%RSD		1.2	1.1425	1.5376	1.5162	1.4217	1.3461	3.8	1.6958
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:44	25.1986	25.3613	24.8677	25.0010	81.7%	24.8423	24.8128	25.0241
2	18:02:42	24.5915	24.3414	24.0938	24.0226	87.1%	24.5718	24.3013	24.5001
3	18:03:41	24.5519	23.7237	23.9250	24.0077	88.4%	24.7702	24.3878	24.3499
x		24.7807	24.4755	24.2955	24.3438	85.7%	24.7281	24.5006	24.6247
σ		0.3625	0.8270	0.5026	0.5692	3.5%	0.1400	0.2738	0.3539
%RSD		1.4628	3.3788	2.0689	2.3382	4.1	0.5663	1.1176	1.4373
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:01:44	24.8404	25.0892	81.8%	25.0401				
2	18:02:42	24.3055	24.3805	88.3%	24.5398				
3	18:03:41	24.3027	24.3569	89.7%	24.5407				
x		24.4829	24.6089	86.6%	24.7069				
σ		0.3096	0.4161	4.2%	0.2886				
%RSD		1.2647	1.6909	4.9	1.1681				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:22	83.3%	0.0022	-0.0297	-0.3725	0.1318	7.7335	0.0213	0.0044
2	18:08:21	83.7%	0.0020	-0.0495	0.0364	0.1136	6.3191	0.0030	0.0001
3	18:09:19	84.0%	0.0007	-0.0623	-0.0942	0.0691	6.4204	0.0044	-0.0013
x		83.6%	0.0016	-0.0472	-0.1435	0.1049	6.8243	0.0096	0.0011
σ		0.4%	0.0008	0.0164	0.2089	0.0323	0.7890	0.0102	0.0030
%RSD		0.4	47.7419	34.8425	145.5750	30.7534	11.5614	106.3743	276.3400
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:22	0.0113	3.2026	0.3910	0.1856	0.1780	0.1497	0.5674	0.0417
2	18:08:21	0.0075	-0.0683	0.2940	0.0877	0.1700	0.1159	0.8762	0.0199
3	18:09:19	0.0011	0.2559	0.2355	0.0732	0.1499	0.0927	0.6545	0.0275
x		0.0066	1.1300	0.3068	0.1155	0.1660	0.1195	0.6994	0.0297
σ		0.0052	1.8021	0.0786	0.0611	0.0145	0.0287	0.1592	0.0111
%RSD		77.7812	159.4757	25.6062	52.9180	8.7077	23.9881	22.7637	37.2000
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:22	80.9%	0.2364	1.1613	1.1313	0.6561	0.0519	0.0747	0.0815
2	18:08:21	82.6%	0.2384	1.0577	0.8022	0.6461	0.1000	0.1090	0.0702
3	18:09:19	83.0%	-0.0888	1.8475	0.5345	0.0969	0.0964	0.0920	0.0835
x		82.2%	0.1287	1.3555	0.8226	0.4664	0.0828	0.0919	0.0784
σ		1.1%	0.1883	0.4292	0.2989	0.3200	0.0268	0.0171	0.0071
%RSD		1.3	146.3936	31.6643	36.3367	68.6139	32.4000	18.6497	9.1009
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:22	80.5%	0.0050	0.0064	0.0013	0.0033	-0.0009	80.1%	0.0020
2	18:08:21	82.1%	0.0090	0.0090	0.0012	0.0019	0.0023	82.7%	0.0019
3	18:09:19	81.1%	0.0070	0.0069	-0.0015	0.0006	0.0013	82.9%	0.0035
x		81.2%	0.0070	0.0074	0.0003	0.0019	0.0009	81.9%	0.0025
σ		0.8%	0.0020	0.0014	0.0015	0.0013	0.0016	1.5%	0.0009
%RSD		1.0	28.3775	18.8809	471.6405	70.4425	182.0032	1.9	35.6348
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:22	0.0001	-0.0003	0.0065	0.0002	82.0%	0.0025	-0.0006	0.0237
2	18:08:21	0.0010	0.0106	-0.0082	-0.0018	85.8%	0.0060	-0.0010	0.0087
3	18:09:19	0.0030	0.0104	-0.0037	-0.0062	86.2%	-0.0009	-0.0015	0.0104
x		0.0014	0.0069	-0.0018	-0.0026	84.7%	0.0025	-0.0011	0.0143
σ		0.0015	0.0062	0.0076	0.0033	2.3%	0.0035	0.0004	0.0082
%RSD		105.4873	90.4644	420.9729	124.0556	2.7	137.3538	41.8109	57.7198
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:07:22	0.0206	0.0210	82.0%	0.0013				
2	18:08:21	0.0133	0.0139	87.1%	0.0010				
3	18:09:19	0.0161	0.0170	87.9%	0.0015				
x		0.0166	0.0173	85.7%	0.0013				
σ		0.0037	0.0036	3.2%	0.0002				
%RSD		22.0955	20.6484	3.7	18.2815				

NX Pb from this pt. on.  
JB 5/18/10

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:52	76.8%	0.4341	155.9548	3.8125	2.0729	7.9843	45610.8020	1.2920
2	18:21:51	76.5%	0.4340	153.2220	3.4783	2.1227	8.0737	45671.4660	1.2625
3	18:22:50	76.2%	0.4686	154.4320	3.7972	2.0928	7.0109	45645.1080	1.2284
X		76.5%	0.4456	154.5363	3.6960	2.0961	7.6896	45642.4590	1.2610
σ		0.3%	0.0199	1.3693	0.1887	0.0251	0.5895	30.4183	0.0318
%RSD		0.4	4.4743	0.8861	5.1062	1.1952	7.6660	0.0666	2.5243
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:52	1.6021	32.5583	1.5507	5.5489	5.7468	42.7384	50.9424	50.4533
2	18:21:51	1.4895	25.9716	1.3740	5.2527	5.5928	43.5193	53.4528	51.2286
3	18:22:50	1.5004	21.5971	1.2964	5.2021	5.7052	43.4708	52.9953	50.2847
X		1.5306	26.7090	1.4070	5.3346	5.6816	43.2428	52.4635	50.6555
σ		0.0621	5.5177	0.1304	0.1874	0.0796	0.4375	1.3370	0.5034
%RSD		4.0584	20.6586	9.2653	3.5123	1.4018	1.0118	2.5485	0.9938
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:52	83.0%	247.5127	3.0919	1.0527	0.1390	0.1977	0.2348	0.2149
2	18:21:51	81.8%	240.7146	2.9452	0.2220	0.6264	0.2244	0.1989	0.2387
3	18:22:50	81.4%	244.7380	1.9596	0.0734	0.3179	0.2546	0.2376	0.2343
X		82.0%	244.3217	2.6655	0.4494	0.3611	0.2256	0.2238	0.2293
σ		0.8%	3.4181	0.6158	0.5278	0.2465	0.0285	0.0216	0.0126
%RSD		1.0	1.3990	23.1012	117.4460	68.2711	12.6277	9.6480	5.5132
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:52	72.8%	0.0056	0.0053	0.2627	0.2761	0.2274	75.8%	0.0658
2	18:21:51	73.2%	0.0094	0.0076	0.2522	0.2670	0.2593	76.5%	0.0685
3	18:22:50	72.1%	0.0064	0.0092	0.2745	0.2629	0.2545	77.4%	0.0544
X		72.7%	0.0071	0.0074	0.2631	0.2687	0.2471	76.6%	0.0629
σ		0.6%	0.0020	0.0020	0.0112	0.0068	0.0172	0.8%	0.0075
%RSD		0.8	28.0433	26.5086	4.2443	2.5218	6.9553	1.0	11.9112
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:52	0.0681	508.9759	509.3329	527.3912	81.4%	-0.0007	-0.0003	1.3073
2	18:21:51	0.0789	505.2500	503.2458	523.0063	83.5%	0.0016	0.0005	1.3225
3	18:22:50	0.0541	507.2620	499.4699	523.7987	84.5%	-0.0004	0.0009	1.3048
X		0.0670	507.1627	504.0162	524.7321	83.1%	0.0002	0.0004	1.3115
σ		0.0124	1.8649	4.9764	2.3367	1.6%	0.0013	0.0006	0.0096
%RSD		18.5607	0.3677	0.9874	0.4453	1.9	674.6379	160.5487	0.7315
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:20:52	1.4792	1.3993	82.7%	0.3011				
2	18:21:51	1.4348	1.3981	85.2%	0.3061				
3	18:22:50	1.5113	1.4366	86.3%	0.3023				
X		1.4751	1.4113	84.7%	0.3032				
σ		0.0384	0.0219	1.8%	0.0026				
%RSD		2.6057	1.5546	2.2	0.8566				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:25	79.2%	0.0041	0.2136	0.0190	0.1291	7.3546	1.2250	-0.0022
2	18:26:23	80.0%	-0.0012	0.3023	0.0617	0.0774	6.9417	9.3072	0.0034
3	18:27:22	81.0%	-0.0021	0.2735	-0.1248	0.0320	7.0935	6.4418	-0.0054
x		80.1%	0.0003	0.2631	-0.0147	0.0795	7.1300	5.6580	-0.0014
σ		0.9%	0.0034	0.0453	0.0977	0.0486	0.2089	4.0977	0.0044
%RSD		1.1	1111.5123	17.2079	665.0330	61.0921	2.9293	72.4238	311.8571
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:25	0.0128	-0.9155	0.2303	0.0732	0.1626	0.0584	0.3345	0.0206
2	18:26:23	0.0089	-2.9892	0.2130	0.0593	0.1125	0.0683	0.2954	0.0258
3	18:27:22	0.0188	-1.0625	0.1833	-0.0168	0.1625	0.0510	0.5582	-0.0425
x		0.0135	-1.6557	0.2089	0.0385	0.1459	0.0592	0.3960	0.0013
σ		0.0049	1.1571	0.0238	0.0484	0.0289	0.0087	0.1418	0.0380
%RSD		36.5703	69.8870	11.3808	125.6717	19.7908	14.6265	35.7999	2966.6630
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:25	77.3%	0.0313	1.3893	0.8038	0.0040	0.0018	0.0208	0.0000
2	18:26:23	78.7%	0.1817	0.9004	0.1425	-0.0379	0.0111	0.0093	0.0101
3	18:27:22	79.0%	0.2074	0.5728	0.1130	-0.0368	0.0133	0.0129	0.0143
x		78.3%	0.1401	0.9542	0.3531	-0.0236	0.0087	0.0143	0.0081
σ		0.9%	0.0951	0.4109	0.3906	0.0239	0.0061	0.0059	0.0073
%RSD		1.2	67.9043	43.0673	110.6237	101.4672	70.2380	41.2528	90.3217
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:25	77.4%	0.0001	0.0013	0.0014	0.0021	0.0014	76.9%	0.0080
2	18:26:23	78.4%	-0.0006	0.0005	-0.0015	0.0020	0.0035	80.5%	0.0100
3	18:27:22	79.4%	0.0008	0.0027	-0.0015	-0.0007	-0.0009	79.8%	0.0125
x		78.4%	0.0001	0.0015	-0.0005	0.0011	0.0013	79.1%	0.0101
σ		1.0%	0.0007	0.0011	0.0016	0.0016	0.0022	1.9%	0.0023
%RSD		1.2	580.6367	72.7847	316.3556	142.3546	163.3090	2.4	22.3360
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:25	0.0013	-0.0208	0.0099	0.0040	81.0%	0.0042	-0.0069	0.0128
2	18:26:23	0.0201	0.1100	0.1105	0.0907	85.1%	-0.0021	-0.0054	0.0086
3	18:27:22	0.0082	0.1022	0.1248	0.0489	85.7%	-0.0055	-0.0064	0.0025
x		0.0099	0.0638	0.0817	0.0479	83.9%	-0.0011	-0.0062	0.0080
σ		0.0095	0.0734	0.0626	0.0434	2.6%	0.0049	0.0008	0.0052
%RSD		96.9152	114.9332	76.6056	90.5978	3.0	443.4417	12.0615	64.8047
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:25:25	0.0042	0.0040	83.0%	0.0011				
2	18:26:23	-0.0031	0.0069	85.7%	-0.0023				
3	18:27:22	0.0138	0.0072	87.6%	-0.0036				
x		0.0050	0.0060	85.5%	-0.0016				
σ		0.0085	0.0017	2.3%	0.0024				
%RSD		170.7276	28.9207	2.7	152.2900				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:56	81.1%	19.6310	19.1373	18.6229	19.0640	24.9189	18.8615	19.1454
2	18:30:54	81.7%	19.1642	19.4911	18.7634	19.1377	25.0302	20.0083	19.0979
3	18:31:53	81.8%	18.6135	18.9374	18.1914	19.1422	24.6191	20.9358	18.7686
x		81.5%	19.1362	19.1886	18.5259	19.1146	24.8561	19.9352	19.0040
σ		0.4%	0.5093	0.2804	0.2980	0.0439	0.2126	1.0391	0.2052
%RSD		0.4	2.6616	1.4614	1.6088	0.2299	0.8554	5.2122	1.0797
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:56	19.2764	19.0532	19.4368	19.5160	19.4331	19.8735	19.4339	20.1438
2	18:30:54	19.2927	18.2784	18.8910	19.4750	19.8284	20.1472	19.3803	20.2777
3	18:31:53	19.1160	15.6655	18.6573	19.1614	19.4429	19.9472	20.3840	19.4245
x		19.2284	17.6657	18.9950	19.3841	19.5682	19.9893	19.7327	19.9487
σ		0.0977	1.7750	0.4000	0.1940	0.2255	0.1416	0.5646	0.4588
%RSD		0.5079	10.0478	2.1059	1.0006	1.1522	0.7084	2.8615	2.3000
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:56	80.6%	19.3198	20.9026	20.1331	20.0358	19.0407	18.8293	19.0915
2	18:30:54	80.0%	18.3983	20.7706	20.7232	19.4634	19.3913	19.4082	19.0368
3	18:31:53	80.5%	17.7281	23.5928	19.1604	18.7014	19.5391	19.3839	19.3476
x		80.4%	18.4821	21.7553	20.0056	19.4002	19.3237	19.2071	19.1587
σ		0.3%	0.7992	1.5926	0.7892	0.6694	0.2560	0.3274	0.1659
%RSD		0.4	4.3240	7.3207	3.9447	3.4507	1.3247	1.7047	0.8659
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:56	79.6%	18.2725	18.4126	19.2516	18.3908	18.8977	80.3%	19.3838
2	18:30:54	79.8%	18.7514	18.4885	19.6316	18.7600	19.3010	81.1%	19.8196
3	18:31:53	80.3%	18.1532	18.2183	19.5119	18.7351	19.4690	81.5%	19.5822
x		79.9%	18.3924	18.3731	19.4650	18.6286	19.2226	81.0%	19.5952
σ		0.4%	0.3166	0.1393	0.1943	0.2063	0.2936	0.6%	0.2182
%RSD		0.5	1.7212	0.7582	0.9981	1.1076	1.5273	0.8	1.1133
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:56	19.1353	19.1274	19.2832	19.4716	82.8%	19.3797	19.2543	19.4217
2	18:30:54	19.5324	19.5501	19.1660	19.3842	87.0%	19.3973	19.2383	19.3734
3	18:31:53	19.6797	19.1668	19.2011	19.3528	87.3%	19.2605	19.2325	19.3114
x		19.4491	19.2814	19.2167	19.4028	85.7%	19.3458	19.2417	19.3688
σ		0.2816	0.2335	0.0601	0.0616	2.6%	0.0744	0.0113	0.0553
%RSD		1.4476	1.2109	0.3129	0.3174	3.0	0.3846	0.0587	0.2856
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:29:56	19.2462	19.2965	84.0%	19.4277				
2	18:30:54	19.2154	19.3636	87.5%	19.6145				
3	18:31:53	19.2877	19.2689	88.4%	19.5922				
x		19.2497	19.3097	86.6%	19.5448				
σ		0.0363	0.0487	2.3%	0.1020				
%RSD		0.1884	0.2523	2.7	0.5220				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:35:14	84.6%	0.0059	13.4033	0.0269	0.3915	9.1694	118.2070	0.3373
2	18:36:13	83.2%	0.0040	13.7514	0.0799	0.3727	8.4017	116.7657	0.3370
3	18:37:10	82.0%	-0.0005	13.5504	-0.1156	0.3430	7.9329	117.5895	0.3548
x		83.3%	0.0032	13.5684	-0.0029	0.3691	8.5013	117.5207	0.3431
σ		1.3%	0.0033	0.1747	0.1011	0.0244	0.6242	0.7231	0.0102
%RSD		1.5	104.9532	1.2879	3443.8552	6.6189	7.3428	0.6153	2.9700
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:35:14	2.0531	17.6276	2.0319	1.2987	1.4357	8.5905	9.2446	8.4601
2	18:36:13	2.0283	18.6546	1.9214	1.3296	1.3834	8.5465	9.2116	8.5887
3	18:37:10	1.9081	15.3533	1.9038	1.2367	1.2333	8.8067	8.4813	8.6635
x		1.9965	17.2118	1.9524	1.2883	1.3508	8.6479	8.9792	8.5708
σ		0.0775	1.6895	0.0694	0.0473	0.1051	0.1393	0.4315	0.1029
%RSD		3.8831	9.8158	3.5562	3.6721	7.7795	1.6107	4.8056	1.2004
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:35:14	81.1%	1.1788	1.4050	0.7995	0.9993	0.6578	0.7052	0.6229
2	18:36:13	80.3%	1.0253	0.7345	0.4211	0.5282	0.6693	0.6828	0.6698
3	18:37:10	81.0%	0.8658	0.9191	0.0384	0.4430	0.7188	0.7193	0.6987
x		80.8%	1.0233	1.0195	0.4197	0.6569	0.6820	0.7024	0.6638
σ		0.4%	0.1565	0.3464	0.3806	0.2996	0.0324	0.0184	0.0383
%RSD		0.6	15.2966	33.9735	90.6854	45.6144	4.7505	2.6174	5.7689
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:35:14	80.6%	0.0079	0.0056	0.0040	0.0112	0.0123	80.3%	0.2325
2	18:36:13	80.9%	0.0057	0.0106	0.0066	0.0137	0.0144	81.2%	0.2143
3	18:37:10	78.7%	0.0037	0.0049	0.0175	0.0178	0.0166	81.1%	0.2290
x		80.1%	0.0057	0.0071	0.0093	0.0143	0.0144	80.8%	0.2252
σ		1.2%	0.0021	0.0031	0.0072	0.0033	0.0021	0.5%	0.0097
%RSD		1.5	36.3209	44.0537	76.8605	23.3793	14.8480	0.6	4.2884
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:35:14	0.2308	15.9519	15.9200	15.8310	82.7%	0.0060	-0.0017	0.1026
2	18:36:13	0.2405	15.5328	15.7067	15.8415	85.2%	-0.0027	0.0031	0.1315
3	18:37:10	0.2270	15.8100	16.0215	15.8693	85.2%	0.0015	0.0013	0.1187
x		0.2328	15.7649	15.8827	15.8473	84.4%	0.0016	0.0009	0.1176
σ		0.0070	0.2132	0.1607	0.0198	1.4%	0.0044	0.0025	0.0145
%RSD		2.9944	1.3523	1.0116	0.1251	1.7	275.7547	270.2625	12.3288
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:35:14	0.1356	0.1333	83.5%	0.0107				
2	18:36:13	0.1220	0.1368	86.8%	0.0142				
3	18:37:10	0.1290	0.1374	87.3%	0.0145				
x		0.1289	0.1358	85.9%	0.0131				
σ		0.0068	0.0022	2.1%	0.0021				
%RSD		5.2675	1.6144	2.4	16.1283				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:45	83.9%	0.0098	13.8763	-0.1196	0.3724	7.6130	119.8344	0.3700
2	18:40:42	82.6%	0.0042	13.4577	0.1300	0.3616	7.2120	118.7064	0.3618
3	18:41:41	82.6%	0.0060	13.5204	0.1540	0.3198	6.1968	117.4949	0.3473
X		83.0%	0.0067	13.6181	0.0548	0.3513	7.0073	118.6786	0.3597
σ		0.7%	0.0028	0.2258	0.1515	0.0278	0.7300	1.1700	0.0115
%RSD		0.9	42.5272	1.6579	276.3968	7.9092	10.4174	0.9859	3.1971
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:45	2.1283	19.2932	1.9391	1.2711	1.3649	8.7018	8.6181	8.8371
2	18:40:42	2.0846	18.2648	2.0738	1.3188	1.2320	8.8899	8.7750	8.7385
3	18:41:41	2.1065	17.2760	1.7060	1.2096	1.3515	8.5575	7.8661	9.1226
X		2.1065	18.2780	1.9063	1.2665	1.3161	8.7164	8.4197	8.8994
σ		0.0219	1.0086	0.1861	0.0547	0.0732	0.1667	0.4858	0.1995
%RSD		1.0378	5.5183	9.7625	4.3199	5.5587	1.9121	5.7700	2.2419
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:45	80.4%	1.0898	1.0511	0.4626	0.8768	0.6589	0.7186	0.6720
2	18:40:42	79.9%	0.7460	1.1339	0.2862	0.1394	0.7349	0.6869	0.6553
3	18:41:41	80.1%	0.5434	1.5616	0.6171	-0.0784	0.6363	0.6331	0.6266
X		80.1%	0.7931	1.2489	0.4553	0.3126	0.6767	0.6795	0.6513
σ		0.2%	0.2762	0.2739	0.1656	0.5006	0.0516	0.0432	0.0229
%RSD		0.3	34.8305	21.9349	36.3598	160.1427	7.6301	6.3613	3.5232
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:45	80.0%	0.0044	0.0027	0.0121	0.0113	0.0146	79.8%	0.2245
2	18:40:42	77.8%	0.0037	0.0042	0.0201	0.0085	0.0100	81.9%	0.2494
3	18:41:41	79.6%	0.0051	0.0027	0.0094	0.0072	0.0123	80.8%	0.2110
X		79.1%	0.0044	0.0032	0.0139	0.0090	0.0123	80.9%	0.2283
σ		1.2%	0.0007	0.0009	0.0056	0.0021	0.0023	1.1%	0.0195
%RSD		1.5	15.5689	26.4631	40.3270	23.0776	19.0103	1.3	8.5360
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:45	0.1922	16.2823	15.9950	15.9308	83.6%	-0.0052	-0.0015	0.1259
2	18:40:42	0.2059	15.6920	16.3498	15.8474	86.0%	0.0018	-0.0014	0.1335
3	18:41:41	0.2372	16.1296	15.8250	16.1404	86.0%	-0.0038	-0.0049	0.1289
X		0.2118	16.0346	16.0566	15.9729	85.2%	-0.0024	-0.0026	0.1294
σ		0.0231	0.3064	0.2678	0.1510	1.4%	0.0037	0.0020	0.0038
%RSD		10.8895	1.9107	1.6676	0.9451	1.6	154.3241	77.4459	2.9615
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:39:45	0.1522	0.1349	84.5%	0.0117				
2	18:40:42	0.1681	0.1428	87.0%	0.0148				
3	18:41:41	0.1412	0.1364	87.4%	0.0159				
X		0.1538	0.1381	86.3%	0.0141				
σ		0.0135	0.0042	1.6%	0.0022				
%RSD		8.8047	3.0302	1.8	15.5705				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:15	83.0%	20.3818	33.4218	19.5239	19.8715	24.4307	141.8462	20.3534
2	18:45:13	82.1%	19.6971	33.3853	18.9506	18.9708	24.4245	138.5146	19.5118
3	18:46:12	82.0%	18.8682	32.9262	18.5187	19.1858	25.1712	140.2999	19.6878
x		82.3%	19.6490	33.2444	18.9977	19.3427	24.6754	140.2202	19.8510
σ		0.6%	0.7579	0.2762	0.5043	0.4704	0.4293	1.6672	0.4439
%RSD		0.7	3.8573	0.8308	2.6543	2.4321	1.7399	1.1890	2.2363
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:15	21.8634	37.4614	21.7660	20.9248	20.7141	28.4228	30.0340	29.6136
2	18:45:13	21.3078	41.4756	20.9734	20.3995	19.9177	28.5046	28.4933	28.4368
3	18:46:12	20.4328	39.0244	20.9239	20.0926	20.1459	28.8644	28.8420	28.2664
x		21.2013	39.3205	21.2211	20.4723	20.2592	28.5973	29.1231	28.7723
σ		0.7212	2.0234	0.4725	0.4209	0.4101	0.2349	0.8079	0.7336
%RSD		3.4018	5.1458	2.2267	2.0558	2.0243	0.8215	2.7740	2.5497
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:15	80.5%	19.5696	22.2511	20.2200	19.1118	20.2444	20.2826	19.7912
2	18:45:13	80.4%	19.0000	20.8674	19.1710	19.0483	20.1715	19.6946	20.0312
3	18:46:12	78.9%	19.4154	23.0865	20.4644	19.4667	20.4210	19.8970	20.2752
x		79.9%	19.3283	22.0683	19.9518	19.2090	20.2790	19.9581	20.0325
σ		0.9%	0.2946	1.1208	0.6871	0.2255	0.1283	0.2987	0.2420
%RSD		1.1	1.5243	5.0786	3.4440	1.1737	0.6325	1.4966	1.2082
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:15	79.5%	18.3529	18.7753	19.8429	18.4513	19.3345	79.3%	20.1957
2	18:45:13	78.9%	18.2896	17.9258	19.9418	18.8001	19.0839	80.7%	20.0918
3	18:46:12	78.2%	18.0727	17.9969	19.2129	18.8859	19.1997	80.2%	20.1475
x		78.9%	18.2384	18.2326	19.6659	18.7124	19.2061	80.1%	20.1450
σ		0.6%	0.1469	0.4713	0.3954	0.2302	0.1254	0.7%	0.0520
%RSD		0.8	0.8056	2.5849	2.0106	1.2300	0.6530	0.9	0.2579
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:15	20.0385	36.1284	36.0940	36.1448	83.5%	19.2820	19.3307	19.4717
2	18:45:13	19.9944	35.9693	35.3408	35.9196	85.1%	19.4454	19.2255	19.5601
3	18:46:12	19.6978	35.8967	35.3083	35.7073	86.3%	19.0023	19.0102	19.3931
x		19.9103	35.9982	35.5811	35.9239	85.0%	19.2432	19.1888	19.4750
σ		0.1853	0.1185	0.4445	0.2188	1.4%	0.2240	0.1634	0.0835
%RSD		0.9305	0.3292	1.2493	0.6089	1.6	1.1643	0.8513	0.4290
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:44:15	19.4069	19.3911	84.6%	19.7381				
2	18:45:13	19.5458	19.3631	86.3%	19.8003				
3	18:46:12	19.4184	19.3809	87.3%	19.9338				
x		19.4570	19.3784	86.0%	19.8241				
σ		0.0771	0.0142	1.4%	0.1000				
%RSD		0.3963	0.0731	1.6	0.5044				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:36	85.4%	-0.0002	0.1914	-0.0523	0.1434	4.5451	0.0512	-0.0020
2	18:50:35	85.2%	-0.0084	0.2286	-0.1893	0.0650	3.9879	0.0900	0.0002
3	18:51:34	86.7%	-0.0046	0.2746	0.0135	0.0882	3.4634	0.0928	0.0017
x		85.8%	-0.0044	0.2315	-0.0760	0.0989	3.9988	0.0780	-0.0000
σ		0.8%	0.0041	0.0417	0.1034	0.0403	0.5409	0.0233	0.0019
%RSD		0.9	92.4784	17.9913	136.0655	40.7525	13.5275	29.8220	6181.8992
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:36	0.0073	1.1865	0.3216	0.1666	0.0581	0.1771	0.8660	0.2626
2	18:50:35	0.0164	-1.1641	0.1666	0.1082	0.0615	0.2510	0.3471	0.2739
3	18:51:34	0.0041	-0.4068	0.2357	0.0678	0.0659	0.2865	0.3004	0.1510
x		0.0093	-0.1281	0.2413	0.1142	0.0619	0.2382	0.5045	0.2292
σ		0.0064	1.1998	0.0776	0.0497	0.0039	0.0558	0.3139	0.0679
%RSD		68.7800	936.4189	32.1779	43.5039	6.3128	23.4346	62.2281	29.6412
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:36	83.1%	0.1806	0.5027	1.2158	0.7715	0.0532	0.0483	0.0400
2	18:50:35	84.2%	0.4064	0.4270	0.3095	1.3505	0.0843	0.0732	0.0537
3	18:51:34	83.1%	0.0678	0.1970	0.5942	-0.1129	0.0551	0.0658	0.0440
x		83.5%	0.2183	0.3756	0.7065	0.6697	0.0642	0.0624	0.0459
σ		0.6%	0.1724	0.1592	0.4635	0.7370	0.0174	0.0128	0.0071
%RSD		0.8	78.9945	42.3953	65.6017	110.0440	27.1201	20.5181	15.3667
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:36	81.8%	0.0029	0.0020	0.0012	0.0019	-0.0009	81.1%	0.0059
2	18:50:35	81.8%	0.0063	0.0048	0.0092	0.0071	0.0002	81.8%	0.0035
3	18:51:34	82.3%	0.0055	0.0040	0.0038	0.0006	0.0002	84.0%	0.0050
x		81.9%	0.0049	0.0036	0.0047	0.0032	-0.0002	82.3%	0.0048
σ		0.3%	0.0018	0.0015	0.0041	0.0035	0.0006	1.5%	0.0012
%RSD		0.4	36.9963	40.9263	86.1494	108.0477	355.8720	1.8	25.5213
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:36	0.0031	-0.0008	0.0038	0.0046	83.4%	0.0015	0.0005	0.0025
2	18:50:35	0.0089	-0.0013	0.0193	-0.0026	86.3%	-0.0005	-0.0049	-0.0060
3	18:51:34	0.0020	0.0059	0.0139	0.0064	87.4%	0.0017	-0.0012	0.0012
x		0.0047	0.0013	0.0123	0.0028	85.7%	0.0009	-0.0019	-0.0008
σ		0.0038	0.0040	0.0079	0.0048	2.0%	0.0012	0.0028	0.0046
%RSD		80.4406	319.5174	63.8587	171.4733	2.4	130.5468	149.3172	582.9746
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:49:36	-0.0000	0.0036	83.3%	-0.0001				
2	18:50:35	0.0051	0.0035	87.6%	0.0007				
3	18:51:34	0.0034	0.0038	89.1%	0.0031				
x		0.0028	0.0036	86.7%	0.0012				
σ		0.0026	0.0001	3.0%	0.0017				
%RSD		92.4591	3.2508	3.4	137.6054				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:14	82.4%	0.0129	14.2058	-0.3090	0.5437	6.7919	119.4028	0.3777
2	18:55:13	82.4%	0.0031	13.5596	-0.2520	0.4875	6.2395	117.8469	0.3325
3	18:56:12	81.8%	0.0069	13.1712	0.2092	0.4829	4.8631	118.0925	0.3646
x		82.2%	0.0076	13.6455	-0.1173	0.5047	5.9648	118.4474	0.3583
σ		0.3%	0.0049	0.5226	0.2842	0.0339	0.9933	0.8365	0.0233
%RSD		0.4	64.5551	3.8299	242.3443	6.7093	16.6529	0.7062	6.5014
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:14	2.0946	24.3909	2.1157	1.3884	1.3166	9.3174	8.7717	8.9309
2	18:55:13	2.0830	18.1186	2.0208	1.2945	1.2965	8.9986	9.4490	8.8771
3	18:56:12	2.0079	18.2697	2.0087	1.2746	1.3169	8.9119	10.0026	9.0472
x		2.0618	20.2597	2.0484	1.3192	1.3100	9.0760	9.4078	8.9517
σ		0.0471	3.5785	0.0586	0.0607	0.0117	0.2135	0.6165	0.0869
%RSD		2.2834	17.6629	2.8596	4.6045	0.8928	2.3527	6.5529	0.9712
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:14	78.3%	0.8624	1.6113	1.0030	0.8037	0.7297	0.6581	0.5881
2	18:55:13	78.7%	0.7474	1.2213	0.3104	-0.0380	0.7874	0.6921	0.6468
3	18:56:12	79.1%	0.7185	1.2844	0.2552	0.2726	0.6948	0.6367	0.7057
x		78.7%	0.7761	1.3723	0.5229	0.3461	0.7373	0.6623	0.6469
σ		0.4%	0.0761	0.2093	0.4167	0.4256	0.0468	0.0279	0.0588
%RSD		0.5	9.8103	15.2524	79.7006	122.9775	6.3433	4.2142	9.0848
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:14	79.0%	0.0044	0.0050	0.0095	0.0167	0.0080	79.8%	0.2167
2	18:55:13	78.4%	0.0066	0.0072	0.0149	0.0167	0.0124	80.2%	0.2102
3	18:56:12	77.0%	0.0082	0.0087	0.0095	0.0141	0.0180	80.0%	0.2259
x		78.1%	0.0064	0.0070	0.0113	0.0158	0.0128	80.0%	0.2176
σ		1.0%	0.0019	0.0019	0.0031	0.0015	0.0050	0.2%	0.0079
%RSD		1.3	29.3917	27.3085	27.6108	9.4959	39.1090	0.3	3.6137
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:14	0.2138	15.1746	15.4924	15.9576	83.0%	-0.0051	-0.0051	0.1311
2	18:55:13	0.2451	15.9998	15.7638	15.9244	85.0%	-0.0014	-0.0008	0.1476
3	18:56:12	0.2304	15.8201	15.4636	15.8754	85.5%	-0.0003	-0.0058	0.1333
x		0.2298	15.6649	15.5733	15.9191	84.5%	-0.0023	-0.0039	0.1373
σ		0.0157	0.4340	0.1656	0.0414	1.3%	0.0025	0.0027	0.0089
%RSD		6.8229	2.7702	1.0635	0.2598	1.6	112.2908	69.5969	6.5161
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:54:14	0.1474	0.1333	84.1%	0.0122				
2	18:55:13	0.1355	0.1445	86.6%	0.0132				
3	18:56:12	0.1326	0.1367	87.2%	0.0125				
x		0.1385	0.1382	86.0%	0.0126				
σ		0.0079	0.0057	1.6%	0.0005				
%RSD		5.6875	4.1602	1.9	4.1867				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:58	84.6%	0.1758	26.8954	-0.0847	1.8292	5.5759	23.7284	0.3039
2	18:59:57	83.2%	0.1760	26.7377	0.0738	1.9370	5.2784	23.4247	0.2648
3	19:00:54	83.6%	0.1666	27.1053	0.2189	1.7630	4.8147	23.2587	0.2616
x		83.8%	0.1728	26.9128	0.0693	1.8431	5.2230	23.4706	0.2768
σ		0.7%	0.0054	0.1844	0.1519	0.0878	0.3836	0.2382	0.0235
%RSD		0.9	3.1096	0.6852	219.1462	4.7641	7.3446	1.0148	8.5069
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:58	0.9156	4.1404	1.2409	16.1657	16.4512	15.1625	14.1942	14.1153
2	18:59:57	0.8049	0.8185	0.9600	15.3006	15.4576	15.0266	13.7985	14.6486
3	19:00:54	0.7916	0.3853	0.9534	15.3245	15.3150	14.8382	14.2278	14.8956
x		0.8374	1.7814	1.0514	15.5970	15.7413	15.0091	14.0735	14.5532
σ		0.0681	2.0544	0.1641	0.4927	0.6189	0.1628	0.2387	0.3988
%RSD		8.1292	115.3276	15.6106	3.1591	3.9318	1.0848	1.6962	2.7406
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:58	81.5%	12.7412	1.0829	0.9270	0.1819	0.1758	0.1680	0.1601
2	18:59:57	81.6%	13.4930	0.1507	0.1454	0.8604	0.1843	0.1582	0.2026
3	19:00:54	82.0%	12.8452	0.2763	-0.0446	-0.1599	0.1633	0.1949	0.1852
x		81.7%	13.0265	0.5033	0.3426	0.2941	0.1745	0.1737	0.1826
σ		0.2%	0.4074	0.5058	0.5149	0.5193	0.0106	0.0190	0.0214
%RSD		0.3	3.1274	100.4986	150.3120	176.5620	6.0656	10.9124	11.7158
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:58	81.3%	0.0022	0.0012	0.0092	0.0241	0.0143	81.9%	0.0399
2	18:59:57	82.9%	0.0049	0.0027	0.0092	0.0163	0.0143	81.3%	0.0495
3	19:00:54	80.4%	0.0029	0.0048	0.0172	0.0136	0.0164	82.3%	0.0482
x		81.5%	0.0033	0.0029	0.0118	0.0180	0.0150	81.8%	0.0459
σ		1.2%	0.0014	0.0018	0.0046	0.0054	0.0012	0.5%	0.0052
%RSD		1.5	42.5936	62.3061	38.9724	30.2309	7.9506	0.6	11.3833
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:58	0.0475	3.9375	4.0193	3.9768	83.6%	-0.0021	0.0016	0.1013
2	18:59:57	0.0338	4.1487	4.0354	4.0132	86.4%	0.0018	0.0009	0.1085
3	19:00:54	0.0393	4.0676	3.8144	3.9676	86.6%	0.0032	-0.0046	0.1168
x		0.0402	4.0513	3.9564	3.9859	85.6%	0.0009	-0.0007	0.1089
σ		0.0069	0.1065	0.1232	0.0241	1.7%	0.0028	0.0034	0.0078
%RSD		17.2633	2.6300	3.1137	0.6043	2.0	296.0277	479.6805	7.1376
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	18:58:58	0.1022	0.1110	84.2%	-0.0010				
2	18:59:57	0.1206	0.1164	86.6%	0.0022				
3	19:00:54	0.1287	0.1097	88.3%	-0.0008				
x		0.1172	0.1123	86.4%	0.0001				
σ		0.0136	0.0035	2.0%	0.0018				
%RSD		11.6109	3.1459	2.4	1335.3408				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:33	86.2%	-0.0016	2.7815	-0.3541	0.2658	5.5040	115.5048	0.3401
2	19:04:32	86.1%	0.0142	2.7922	-0.0362	0.2028	4.2607	113.3230	0.3265
3	19:05:31	86.3%	0.0118	2.7291	-0.1814	0.2303	4.6497	113.9212	0.3134
x		86.2%	0.0081	2.7676	-0.1906	0.2330	4.8048	114.2497	0.3267
σ		0.1%	0.0085	0.0338	0.1591	0.0316	0.6360	1.1274	0.0133
%RSD		0.1	104.4620	1.2198	83.5165	13.5501	13.2369	0.9868	4.0821
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:33	2.1861	21.6457	2.1212	0.9644	0.9892	7.7260	7.2624	8.3323
2	19:04:32	1.9321	17.3763	1.7591	0.8071	0.8332	7.6769	7.6377	7.6010
3	19:05:31	1.8532	15.7274	1.5552	0.7991	0.8724	7.5391	7.5918	7.4955
x		1.9905	18.2498	1.8118	0.8568	0.8983	7.6473	7.4973	7.8096
σ		0.1739	3.0543	0.2867	0.0932	0.0812	0.0969	0.2047	0.4557
%RSD		8.7388	16.7361	15.8220	10.8780	9.0377	1.2673	2.7304	5.8351
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:33	81.0%	0.2853	1.9077	0.4616	0.3975	0.5921	0.6143	0.5683
2	19:04:32	82.2%	0.3430	1.1303	0.5514	-0.0308	0.5792	0.6226	0.5864
3	19:05:31	80.8%	0.4972	1.3459	0.1526	-0.1183	0.6470	0.6605	0.5960
x		81.3%	0.3752	1.4613	0.3885	0.0828	0.6061	0.6324	0.5836
σ		0.8%	0.1096	0.4013	0.2092	0.2760	0.0360	0.0246	0.0141
%RSD		0.9	29.2060	27.4643	53.8379	333.2936	5.9446	3.8920	2.4109
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:33	80.6%	0.0008	0.0020	-0.0015	0.0073	0.0079	80.1%	0.2146
2	19:04:32	81.3%	0.0049	0.0005	0.0117	0.0045	0.0045	82.8%	0.2023
3	19:05:31	81.4%	0.0035	0.0012	0.0012	0.0045	0.0034	82.9%	0.1849
x		81.1%	0.0031	0.0012	0.0038	0.0054	0.0053	82.0%	0.2006
σ		0.4%	0.0021	0.0007	0.0070	0.0016	0.0024	1.6%	0.0149
%RSD		0.5	68.0913	59.0984	182.6096	29.9636	45.1944	1.9	7.4380
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:33	0.2174	15.2468	14.8313	15.0548	84.6%	-0.0072	-0.0034	0.0250
2	19:04:32	0.1939	14.6985	14.9400	14.8003	86.8%	-0.0028	-0.0050	0.0111
3	19:05:31	0.1722	14.5303	14.6181	14.9191	87.3%	-0.0000	-0.0022	0.0192
x		0.1945	14.8252	14.7965	14.9247	86.3%	-0.0033	-0.0035	0.0184
σ		0.0226	0.3747	0.1637	0.1273	1.4%	0.0036	0.0014	0.0070
%RSD		11.6149	2.5273	1.1065	0.8531	1.7	108.9563	39.0319	38.0433
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:03:33	0.0177	0.0235	85.3%	0.0084				
2	19:04:32	0.0194	0.0194	88.5%	0.0113				
3	19:05:31	0.0125	0.0169	89.2%	0.0153				
x		0.0165	0.0199	87.7%	0.0117				
σ		0.0036	0.0033	2.1%	0.0034				
%RSD		21.8653	16.7927	2.4	29.3244				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:06	86.5%	24.8404	23.9518	23.6341	24.2986	27.5629	24.2256	24.6293
2	19:09:04	87.7%	23.8956	23.4338	23.3429	23.9395	27.0622	24.2084	24.1179
3	19:10:03	87.5%	23.9053	23.3662	23.5459	23.4098	25.7077	23.8102	23.8487
x		87.2%	24.2138	23.5839	23.5076	23.8827	26.7776	24.0814	24.1986
σ		0.6%	0.5427	0.3204	0.1493	0.4471	0.9598	0.2350	0.3965
%RSD		0.7	2.2413	1.3584	0.6352	1.8720	3.5842	0.9760	1.6385
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:06	24.6111	28.9996	25.4259	24.7006	24.6738	24.8440	25.5403	24.8166
2	19:09:04	24.3491	25.2201	24.8380	24.3046	24.5063	24.5922	24.9431	23.6542
3	19:10:03	23.5969	23.3572	23.0715	24.1302	24.5499	23.8849	25.4825	23.6156
x		24.1857	25.8590	24.4452	24.3785	24.5767	24.4404	25.3220	24.0288
σ		0.5264	2.8750	1.2254	0.2923	0.0869	0.4972	0.3293	0.6826
%RSD		2.1767	11.1178	5.0128	1.1990	0.3534	2.0344	1.3006	2.8406
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:06	84.4%	24.3589	24.9446	25.4307	25.2038	23.8492	23.7975	23.8431
2	19:09:04	85.1%	24.2911	27.3119	24.8102	25.2259	24.3210	24.0748	24.0269
3	19:10:03	84.6%	23.4943	26.4725	24.5976	25.7891	24.2882	24.3420	24.2554
x		84.7%	24.0481	26.2430	24.9461	25.4063	24.1528	24.0714	24.0418
σ		0.3%	0.4808	1.2003	0.4329	0.3317	0.2634	0.2723	0.2065
%RSD		0.4	1.9994	4.5736	1.7352	1.3056	1.0906	1.1310	0.8591
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:06	84.4%	24.5073	24.2392	24.0427	24.0402	24.1844	84.4%	24.2128
2	19:09:04	83.7%	24.7775	24.4910	24.3212	24.5541	24.5435	85.1%	24.7183
3	19:10:03	82.0%	24.5508	24.5252	24.1769	23.9535	24.5027	86.5%	24.2735
x		83.4%	24.6119	24.4185	24.1803	24.1826	24.4102	85.3%	24.4016
σ		1.2%	0.1451	0.1562	0.1392	0.3246	0.1966	1.0%	0.2760
%RSD		1.5	0.5895	0.6395	0.5759	1.3424	0.8055	1.2	1.1311
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:06	24.2669	24.2200	24.2632	24.0058	84.9%	24.4028	24.2846	24.4414
2	19:09:04	24.4917	24.6091	24.3566	24.4624	87.5%	24.3273	24.3744	24.4019
3	19:10:03	23.6387	23.4554	23.8771	23.8998	89.3%	24.3252	24.0826	24.1357
x		24.1325	24.0948	24.1656	24.1226	87.2%	24.3517	24.2472	24.3263
σ		0.4421	0.5869	0.2542	0.2989	2.2%	0.0442	0.1495	0.1663
%RSD		1.8321	2.4359	1.0520	1.2393	2.5	0.1815	0.6164	0.6836
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:08:06	24.1958	24.3480	86.8%	24.2082				
2	19:09:04	24.3472	24.3275	89.5%	24.4073				
3	19:10:03	24.0047	24.0961	90.5%	24.4626				
x		24.1826	24.2572	89.0%	24.3594				
σ		0.1716	0.1399	1.9%	0.1338				
%RSD		0.7096	0.5768	2.1	0.5494				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:27	83.3%	0.0016	-0.0117	-0.2406	0.0701	2.0766	0.0359	0.0014
2	19:23:26	84.7%	-0.0024	-0.0298	-0.3109	0.0466	1.9361	0.0353	-0.0027
3	19:24:25	84.0%	-0.0022	-0.0347	-0.2284	0.0513	1.5571	0.0122	-0.0066
x		84.0%	-0.0010	-0.0254	-0.2600	0.0560	1.8566	0.0278	-0.0026
σ		0.7%	0.0023	0.0121	0.0445	0.0125	0.2687	0.0135	0.0040
%RSD		0.8	222.3741	47.6229	17.1343	22.2405	14.4736	48.6129	152.4015
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:27	0.0181	0.3871	0.3026	0.1385	0.0416	0.0449	0.2160	0.0572
2	19:23:26	0.0048	-0.9452	0.1527	0.0608	0.0431	0.0531	-0.1314	0.0111
3	19:24:25	-0.0082	-0.3603	0.2975	0.0837	0.0481	0.0492	0.2451	0.0235
x		0.0049	-0.3061	0.2509	0.0943	0.0443	0.0491	0.1099	0.0306
σ		0.0131	0.6678	0.0851	0.0399	0.0034	0.0041	0.2095	0.0238
%RSD		267.9694	218.1655	33.9185	42.3372	7.7166	8.3435	190.6753	77.8053
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:27	80.2%	0.2345	0.1104	1.4826	0.4426	0.0406	0.0383	0.0352
2	19:23:26	80.8%	0.2794	-0.0214	0.4290	0.6563	0.0381	0.0418	0.0365
3	19:24:25	81.1%	0.2625	-0.0856	0.6776	0.5270	0.0337	0.0347	0.0466
x		80.7%	0.2588	0.0011	0.8631	0.5419	0.0375	0.0382	0.0394
σ		0.5%	0.0227	0.1000	0.5507	0.1076	0.0035	0.0036	0.0062
%RSD		0.6	8.7542	8906.6200	63.8094	19.8563	9.2225	9.2868	15.8189
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:27	80.5%	0.0065	0.0049	-0.0015	0.0046	0.0013	79.7%	0.0028
2	19:23:26	80.7%	0.0036	0.0062	-0.0015	0.0006	0.0002	82.8%	0.0050
3	19:24:25	80.1%	0.0071	0.0041	0.0039	0.0032	-0.0009	82.0%	0.0011
x		80.4%	0.0057	0.0051	0.0003	0.0028	0.0002	81.5%	0.0030
σ		0.3%	0.0019	0.0011	0.0031	0.0020	0.0011	1.6%	0.0020
%RSD		0.4	33.1069	20.9323	942.8161	72.9537	526.2371	2.0	65.1818
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:27	0.0001	-0.0086	0.0042	-0.0012	82.4%	-0.0002	0.0004	0.0211
2	19:23:26	0.0040	-0.0176	0.0031	-0.0021	86.4%	0.0004	-0.0027	0.0146
3	19:24:25	-0.0009	-0.0055	0.0122	-0.0016	87.6%	-0.0019	-0.0032	0.0213
x		0.0011	-0.0106	0.0065	-0.0016	85.5%	-0.0006	-0.0019	0.0190
σ		0.0026	0.0063	0.0050	0.0004	2.7%	0.0012	0.0020	0.0038
%RSD		241.9770	59.3144	76.5753	25.5838	3.2	206.7398	105.3791	20.0825
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:22:27	0.0282	0.0223	84.1%	-0.0020				
2	19:23:26	0.0192	0.0154	87.6%	0.0029				
3	19:24:25	0.0250	0.0227	87.7%	0.0005				
x		0.0241	0.0201	86.5%	0.0005				
σ		0.0046	0.0041	2.1%	0.0024				
%RSD		18.9485	20.3403	2.4	533.8686				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:59	84.6%	0.0030	0.1719	-0.1263	0.1331	1.5986	0.0256	-0.0099
2	19:27:58	85.5%	0.0021	0.1786	-0.2488	0.0819	1.6269	0.0353	-0.0022
3	19:28:55	85.0%	-0.0054	0.1481	-0.1764	0.0878	1.3829	0.0407	-0.0075
x		85.0%	-0.0001	0.1662	-0.1838	0.1010	1.5361	0.0339	-0.0065
σ		0.5%	0.0046	0.0160	0.0616	0.0280	0.1335	0.0076	0.0040
%RSD		0.6	4062.7563	9.6564	33.5166	27.7331	8.6894	22.5934	60.8801
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:59	0.0303	-0.0177	0.3763	0.1880	0.1270	0.2794	0.2024	0.3024
2	19:27:58	0.0337	0.1638	0.3271	0.1285	0.1443	0.3549	0.3655	0.2870
3	19:28:55	0.0714	-0.5622	0.2328	0.1478	0.0898	0.3522	0.4115	0.2506
x		0.0451	-0.1387	0.3121	0.1548	0.1203	0.3288	0.3264	0.2800
σ		0.0228	0.3778	0.0729	0.0303	0.0278	0.0429	0.1099	0.0266
%RSD		50.4801	272.3872	23.3689	19.6015	23.1167	13.0320	33.6615	9.4963
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:59	81.4%	-0.1769	0.7086	0.8116	-0.2431	0.0038	0.0123	0.0027
2	19:27:58	81.0%	0.0744	0.5372	0.3706	0.4835	0.0017	0.0163	0.0084
3	19:28:55	82.1%	0.3221	-0.0979	0.4427	0.7331	0.0083	0.0088	0.0165
x		81.5%	0.0732	0.3826	0.5416	0.3245	0.0046	0.0124	0.0092
σ		0.6%	0.2495	0.4248	0.2366	0.5071	0.0034	0.0037	0.0069
%RSD		0.7	340.7527	111.0360	43.6839	156.2708	73.7657	30.0785	75.1474
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:59	82.9%	0.0014	0.0012	-0.0015	0.0006	-0.0009	80.7%	0.0004
2	19:27:58	80.7%	0.0008	0.0005	-0.0015	0.0006	0.0002	83.1%	0.0027
3	19:28:55	82.1%	0.0014	0.0005	-0.0015	-0.0007	-0.0009	83.1%	0.0011
x		81.9%	0.0012	0.0008	-0.0015	0.0002	-0.0005	82.3%	0.0014
σ		1.2%	0.0004	0.0004	0.0000	0.0008	0.0006	1.4%	0.0012
%RSD		1.4	31.7396	54.9952	0.0000	471.5972	116.2497	1.7	84.7888
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:59	0.0011	-0.0049	0.0247	0.0188	84.5%	-0.0028	-0.0054	0.0113
2	19:27:58	-0.0009	-0.0097	0.0278	0.0151	86.6%	-0.0060	-0.0046	0.0043
3	19:28:55	0.0098	0.0103	0.0210	0.0057	86.6%	-0.0048	-0.0029	0.0112
x		0.0033	-0.0014	0.0245	0.0132	85.9%	-0.0045	-0.0043	0.0089
σ		0.0057	0.0104	0.0034	0.0067	1.2%	0.0016	0.0013	0.0040
%RSD		171.1794	719.7773	13.8438	51.1418	1.4	35.9830	30.2251	45.0366
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:26:59	0.0021	0.0081	84.7%	-0.0026				
2	19:27:58	0.0038	0.0041	87.6%	-0.0034				
3	19:28:55	0.0006	0.0059	88.3%	0.0001				
x		0.0022	0.0060	86.9%	-0.0020				
σ		0.0016	0.0020	1.9%	0.0018				
%RSD		72.3714	32.7494	2.2	92.0532				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:30	86.5%	0.0047	2.7677	-0.2522	0.2691	3.3638	111.3816	0.3119
2	19:32:29	85.6%	0.0003	2.8952	-0.2318	0.2355	3.4090	113.4907	0.3300
3	19:33:28	85.9%	-0.0044	2.9467	-0.1478	0.2405	2.9169	114.1259	0.3328
X		86.0%	0.0002	2.8699	-0.2106	0.2484	3.2299	112.9994	0.3249
σ		0.5%	0.0046	0.0922	0.0553	0.0181	0.2720	1.4366	0.0114
%RSD		0.5	2424.6347	3.2118	26.2805	7.3063	8.4218	1.2713	3.5001
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:30	1.9100	19.7013	2.1865	0.9165	0.8183	7.7319	7.2990	7.4557
2	19:32:29	1.8744	15.1252	1.8202	0.9621	0.9239	7.6759	8.4560	7.4526
3	19:33:28	1.9522	16.2170	1.7839	0.8384	0.8156	7.6908	8.3146	7.5781
X		1.9122	17.0145	1.9302	0.9057	0.8526	7.6995	8.0232	7.4954
σ		0.0389	2.3900	0.2227	0.0625	0.0618	0.0290	0.6312	0.0716
%RSD		2.0363	14.0471	11.5379	6.9055	7.2430	0.3766	7.8669	0.9549
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:30	83.1%	0.6605	1.2934	0.6868	0.8557	0.5807	0.6376	0.5755
2	19:32:29	81.2%	0.3605	0.9021	0.3767	0.0964	0.5699	0.6866	0.6199
3	19:33:28	81.6%	0.2232	1.6346	0.0625	-0.1165	0.5638	0.5265	0.5961
X		82.0%	0.4147	1.2767	0.3753	0.2785	0.5715	0.6169	0.5972
σ		1.0%	0.2236	0.3665	0.3121	0.5111	0.0085	0.0820	0.0222
%RSD		1.2	53.9168	28.7106	83.1704	183.4984	1.4960	13.2981	3.7243
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:30	81.6%	0.0035	0.0034	0.0091	0.0188	0.0142	82.2%	0.2065
2	19:32:29	81.7%	0.0021	0.0041	0.0065	0.0109	0.0077	82.8%	0.1845
3	19:33:28	81.9%	0.0021	0.0041	0.0117	0.0045	0.0130	82.8%	0.2341
X		81.7%	0.0026	0.0038	0.0091	0.0114	0.0116	82.6%	0.2084
σ		0.2%	0.0008	0.0004	0.0026	0.0072	0.0035	0.3%	0.0249
%RSD		0.2	31.0776	10.4526	28.8966	62.9855	29.8626	0.4	11.9340
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:31:30	0.1869	14.6303	14.3692	14.5901	84.7%	-0.0042	-0.0066	0.0182
2	19:32:29	0.2214	14.9645	14.2418	14.8162	86.7%	-0.0022	-0.0043	0.0182
3	19:33:28	0.2035	14.8505	14.7773	14.8258	87.8%	-0.0030	0.0003	0.0256
X		0.2039	14.8151	14.4628	14.7440	86.4%	-0.0031	-0.0036	0.0207
σ		0.0172	0.1699	0.2798	0.1334	1.6%	0.0010	0.0035	0.0042
%RSD		8.4525	1.1468	1.9343	0.9049	1.8	31.9815	98.2362	20.4690
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:31:30	0.0207	0.0248	85.7%	0.0120				
2	19:32:29	0.0313	0.0228	87.9%	0.0116				
3	19:33:28	0.0233	0.0222	89.0%	0.0127				
X		0.0251	0.0232	87.5%	0.0121				
σ		0.0055	0.0014	1.7%	0.0005				
%RSD		21.8894	5.9012	2.0	4.5078				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:05	82.6%	0.0419	575.9674	1.6957	1.3976	5.1087	568.1064	4.1791
2	19:37:04	80.0%	0.0409	579.2529	1.6408	1.4237	5.4636	576.6052	4.1620
3	19:38:03	80.3%	0.0432	586.7020	1.9782	1.3370	4.5291	580.7367	4.3415
x		81.0%	0.0420	580.6408	1.7716	1.3861	5.0338	575.1494	4.2275
σ		1.4%	0.0011	5.5003	0.1810	0.0445	0.4717	6.4397	0.0990
%RSD		1.7	2.7201	0.9473	10.2197	3.2085	9.3714	1.1197	2.3428
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:05	5.4272	47.1917	4.8357	2.1843	2.3657	5.4795	9.6706	8.1174
2	19:37:04	5.1015	44.0665	4.8083	2.1604	2.3546	5.2544	8.6304	8.3843
3	19:38:03	5.2705	43.1669	4.3907	2.0953	2.4329	5.4837	8.3351	7.7835
x		5.2664	44.8084	4.6782	2.1467	2.3844	5.4059	8.8787	8.0951
σ		0.1629	2.1125	0.2494	0.0461	0.0424	0.1312	0.7015	0.3010
%RSD		3.0932	4.7144	5.3313	2.1453	1.7770	2.4274	7.9012	3.7185
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:05	79.5%	2.0306	2.8108	1.0658	0.5836	3.9075	3.7273	3.6036
2	19:37:04	77.9%	1.9983	2.6211	0.9526	0.3198	3.7520	3.8217	3.7738
3	19:38:03	77.3%	2.2945	2.1137	0.2628	0.6822	3.7057	3.8956	3.6884
x		78.3%	2.1078	2.5152	0.7604	0.5285	3.7884	3.8149	3.6886
σ		1.1%	0.1625	0.3604	0.4347	0.1873	0.1057	0.0844	0.0851
%RSD		1.5	7.7092	14.3286	57.1599	35.4423	2.7906	2.2114	2.3078
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:05	76.2%	0.0046	0.0044	0.0437	0.0588	0.0507	77.3%	0.0828
2	19:37:04	75.5%	0.0046	0.0059	0.0574	0.0308	0.0398	78.6%	0.0832
3	19:38:03	76.1%	0.0016	0.0066	0.0513	0.0495	0.0338	79.4%	0.0774
x		75.9%	0.0036	0.0056	0.0508	0.0464	0.0414	78.4%	0.0811
σ		0.4%	0.0017	0.0011	0.0068	0.0143	0.0086	1.0%	0.0032
%RSD		0.5	47.7553	20.0362	13.4605	30.7519	20.6774	1.3	3.9635
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:05	0.0823	152.2668	153.6974	155.0928	83.7%	0.0096	0.0077	0.5708
2	19:37:04	0.0902	152.0668	152.9135	154.1126	84.5%	0.0114	0.0045	0.6076
3	19:38:03	0.0730	151.7577	151.0539	153.4139	85.6%	0.0176	0.0058	0.5737
x		0.0818	152.0304	152.5549	154.2065	84.6%	0.0129	0.0060	0.5840
σ		0.0086	0.2565	1.3577	0.8434	1.0%	0.0042	0.0016	0.0205
%RSD		10.4946	0.1687	0.8900	0.5469	1.1	32.6529	26.4099	3.5060
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:36:05	0.6117	0.6188	86.5%	0.7799				
2	19:37:04	0.6651	0.6429	89.3%	0.7628				
3	19:38:03	0.6810	0.6407	90.4%	0.7592				
x		0.6526	0.6341	88.7%	0.7673				
σ		0.0363	0.0133	2.0%	0.0111				
%RSD		5.5663	2.0981	2.3	1.4408				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:41	81.7%	0.0439	565.7795	1.5878	1.4957	5.5663	577.9550	4.2202
2	19:41:40	81.3%	0.0468	573.2212	1.4707	1.4220	5.3857	592.7351	4.2705
3	19:42:39	81.1%	0.0475	563.5927	1.4887	1.3907	5.3714	588.6622	4.2295
x		81.4%	0.0460	567.5312	1.5157	1.4362	5.4411	586.4508	4.2401
σ		0.3%	0.0019	5.0476	0.0631	0.0539	0.1087	7.6342	0.0267
%RSD		0.4	4.1450	0.8894	4.1614	3.7553	1.9970	1.3018	0.6309
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:41	5.5808	51.8429	5.0338	2.3702	2.6352	5.3400	9.2292	8.0789
2	19:41:40	5.1226	47.6322	4.6367	2.2710	2.3829	5.7795	9.2777	7.9835
3	19:42:39	5.2336	38.5493	4.8331	2.1461	2.4317	5.6572	7.9994	8.1327
x		5.3123	46.0081	4.8345	2.2624	2.4833	5.5922	8.8354	8.0651
σ		0.2390	6.7940	0.1986	0.1123	0.1338	0.2268	0.7244	0.0756
%RSD		4.4992	14.7669	4.1071	4.9617	5.3896	4.0564	8.1992	0.9370
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:41	78.0%	2.2100	2.4183	0.5122	0.1393	3.8863	3.7503	3.8368
2	19:41:40	77.1%	2.3026	2.4471	0.1339	0.5475	3.9159	3.7259	3.7096
3	19:42:39	77.3%	2.0933	2.3269	0.6199	0.2307	3.8273	3.8952	3.7965
x		77.5%	2.2020	2.3974	0.4220	0.3058	3.8765	3.7905	3.7810
σ		0.5%	0.1049	0.0627	0.2552	0.2142	0.0451	0.0916	0.0650
%RSD		0.6	4.7644	2.6162	60.4804	70.0505	1.1631	2.4153	1.7193
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:41	76.0%	0.0024	0.0059	0.0632	0.0654	0.0515	77.9%	0.0617
2	19:41:40	76.3%	0.0016	0.0021	0.0568	0.0645	0.0641	79.2%	0.0662
3	19:42:39	74.2%	0.0039	0.0044	0.0601	0.0443	0.0417	79.5%	0.0709
x		75.5%	0.0026	0.0041	0.0601	0.0581	0.0524	78.8%	0.0663
σ		1.2%	0.0012	0.0019	0.0032	0.0119	0.0112	0.9%	0.0046
%RSD		1.5	44.3628	46.9059	5.3128	20.4869	21.4335	1.1	6.9647
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:41	0.0695	154.5954	154.6559	156.4892	83.0%	0.0115	0.0095	0.6452
2	19:41:40	0.0712	151.0950	151.5536	154.4795	85.5%	0.0020	0.0054	0.5945
3	19:42:39	0.0659	155.4234	153.2880	155.4102	85.6%	0.0098	0.0089	0.6165
x		0.0688	153.7046	153.1658	155.4596	84.7%	0.0078	0.0079	0.6187
σ		0.0027	2.2976	1.5548	1.0058	1.5%	0.0051	0.0022	0.0254
%RSD		3.8975	1.4948	1.0151	0.6470	1.7	65.7288	27.6940	4.1125
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:40:41	0.6839	0.6645	86.3%	0.7845				
2	19:41:40	0.6749	0.6315	89.2%	0.7702				
3	19:42:39	0.6446	0.6466	89.8%	0.7878				
x		0.6678	0.6475	88.4%	0.7808				
σ		0.0206	0.0165	1.8%	0.0093				
%RSD		3.0820	2.5530	2.1	1.1975				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:17	81.1%	19.4079	603.4089	19.9294	20.1966	23.4471	608.1918	23.1812
2	19:46:16	80.2%	19.2393	602.9495	20.6233	20.0928	23.3529	619.6302	23.4199
3	19:47:15	80.4%	18.4782	597.3255	20.1307	19.8146	22.9203	597.7194	22.7543
X		80.6%	19.0418	601.2280	20.2278	20.0347	23.2401	608.5138	23.1185
σ		0.5%	0.4953	3.3875	0.3570	0.1975	0.2809	10.9590	0.3372
%RSD		0.6	2.6011	0.5634	1.7650	0.9860	1.2088	1.8009	1.4587
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:17	23.4931	72.2698	23.7291	20.7351	21.0569	24.3695	30.3470	27.2665
2	19:46:16	23.8767	67.4074	23.6133	20.7455	21.0063	24.5073	30.0403	27.2627
3	19:47:15	23.0308	60.7722	22.9232	20.3491	20.5583	24.3515	27.9381	26.2798
X		23.4669	66.8164	23.4219	20.6099	20.8738	24.4094	29.4418	26.9363
σ		0.4236	5.7715	0.4357	0.2259	0.2744	0.0852	1.3113	0.5686
%RSD		1.8049	8.6379	1.8604	1.0962	1.3146	0.3492	4.4538	2.1109
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:17	79.4%	21.5243	20.5197	20.6081	20.9358	23.2402	23.2127	22.4289
2	19:46:16	77.5%	19.9216	25.2234	20.1882	21.2257	23.2856	23.1949	23.2225
3	19:47:15	78.7%	19.7041	23.7238	19.0842	20.4492	22.7979	22.9223	22.8835
X		78.5%	20.3834	23.1556	19.9602	20.8702	23.1079	23.1100	22.8450
σ		1.0%	0.9941	2.4028	0.7872	0.3924	0.2695	0.1628	0.3982
%RSD		1.3	4.8770	10.3765	3.9436	1.8800	1.1661	0.7043	1.7430
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:17	76.2%	18.2359	17.8880	19.3130	18.0631	18.6213	78.8%	18.3080
2	19:46:16	75.8%	18.0946	17.7354	18.7159	18.3597	18.8046	80.1%	18.3332
3	19:47:15	76.2%	17.6400	18.0091	19.7036	18.3049	18.9199	80.5%	18.1227
X		76.1%	17.9902	17.8775	19.2442	18.2426	18.7819	79.8%	18.2546
σ		0.2%	0.3114	0.1372	0.4974	0.1578	0.1506	0.9%	0.1149
%RSD		0.3	1.7309	0.7673	2.5848	0.8651	0.8016	1.2	0.6296
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:17	17.9071	174.9755	173.0475	175.9525	83.4%	18.7149	18.4233	19.0877
2	19:46:16	17.7869	173.0945	172.8556	175.1685	86.3%	18.5567	18.4637	18.7968
3	19:47:15	18.1367	172.3514	172.2765	174.9689	86.2%	18.5980	18.5324	18.9729
X		17.9436	173.4738	172.7265	175.3633	85.3%	18.6232	18.4731	18.9525
σ		0.1777	1.3526	0.4014	0.5199	1.7%	0.0821	0.0552	0.1465
%RSD		0.9904	0.7797	0.2324	0.2965	2.0	0.4407	0.2988	0.7732
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:45:17	19.0674	19.0520	87.6%	19.5212				
2	19:46:16	19.0116	18.8949	90.1%	19.5433				
3	19:47:15	19.2216	19.0798	90.5%	19.7649				
X		19.1002	19.0089	89.4%	19.6098				
σ		0.1088	0.0997	1.6%	0.1348				
%RSD		0.5695	0.5245	1.8	0.6874				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:38	84.9%	0.0065	95.1216	0.2898	0.2748	24.5226	1275.9086	12.5292
2	19:51:37	86.2%	0.0013	92.0382	0.6032	0.2583	22.4330	1285.8007	12.3495
3	19:52:34	86.9%	0.0034	90.3457	0.5775	0.2078	22.2402	1265.3393	12.3161
x		86.0%	0.0037	92.5019	0.4902	0.2470	23.0653	1275.6828	12.3983
σ		1.0%	0.0026	2.4214	0.1740	0.0349	1.2658	10.2326	0.1146
%RSD		1.2	68.9613	2.6177	35.5016	14.1259	5.4878	0.8021	0.9247
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:38	15.9593	150.9128	13.6980	0.8472	1.3463	1.3262	5.7744	3.3701
2	19:51:37	15.0982	130.5506	13.7748	0.8252	1.2076	1.2414	5.6285	3.3422
3	19:52:34	14.9430	121.6643	13.5320	0.8271	1.1966	1.3059	4.9295	3.4323
x		15.3335	134.3759	13.6683	0.8331	1.2502	1.2912	5.4441	3.3815
σ		0.5475	14.9948	0.1241	0.0122	0.0834	0.0443	0.4516	0.0461
%RSD		3.5705	11.1588	0.9080	1.4603	6.6722	3.4293	8.2958	1.3644
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:38	79.9%	0.1810	10.5878	1.7617	1.1082	37.1912	37.8036	37.0995
2	19:51:37	81.2%	0.1293	9.4358	0.1511	-0.0352	37.9324	37.5047	38.1362
3	19:52:34	81.5%	0.3913	9.0032	0.8970	0.8310	37.9265	37.3683	37.3644
x		80.9%	0.2339	9.6756	0.9366	0.6347	37.6833	37.5589	37.5334
σ		0.9%	0.1388	0.8191	0.8060	0.5964	0.4263	0.2226	0.5387
%RSD		1.1	59.3471	8.4653	86.0591	93.9730	1.1312	0.5927	1.4351
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:38	77.5%	0.0082	0.0095	0.0763	0.0701	0.0814	78.6%	0.1030
2	19:51:37	77.4%	0.0095	0.0094	0.0800	0.0484	0.0494	81.3%	0.1241
3	19:52:34	78.4%	0.0122	0.0049	0.0575	0.0478	0.0390	82.3%	0.1100
x		77.8%	0.0100	0.0079	0.0713	0.0554	0.0566	80.8%	0.1124
σ		0.6%	0.0021	0.0026	0.0120	0.0127	0.0221	1.9%	0.0108
%RSD		0.7	20.7560	33.2040	16.8983	22.8864	39.0075	2.4	9.6017
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:50:38	0.1027	102.2767	104.2203	105.6234	83.3%	0.0099	0.0149	0.0337
2	19:51:37	0.0992	104.3579	104.9863	104.8536	86.0%	0.0163	0.0093	0.0291
3	19:52:34	0.1066	103.4095	103.9824	105.8504	87.9%	0.0064	0.0102	0.0426
x		0.1028	103.3481	104.3964	105.4425	85.7%	0.0109	0.0115	0.0351
σ		0.0037	1.0420	0.5246	0.5224	2.3%	0.0050	0.0030	0.0069
%RSD		3.6102	1.0082	0.5025	0.4955	2.7	46.4334	26.2466	19.5864
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:50:38	0.0358	0.0412	83.5%	4.3703				
2	19:51:37	0.0604	0.0412	86.6%	4.4364				
3	19:52:34	0.0419	0.0443	87.8%	4.4098				
x		0.0460	0.0422	86.0%	4.4055				
σ		0.0128	0.0018	2.2%	0.0333				
%RSD		27.7823	4.2214	2.6	0.7552				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:53	88.0%	0.0054	91.6748	0.2029	0.2388	23.2053	1275.5461	12.6501
2	19:57:52	87.8%	-0.0025	90.2349	0.6185	0.2262	22.0586	1304.8541	12.3869
3	19:58:51	88.3%	0.0127	92.7059	0.3886	0.2244	22.2050	1290.1634	12.3581
x		88.0%	0.0052	91.5385	0.4033	0.2298	22.4896	1290.1878	12.4650
σ		0.3%	0.0076	1.2411	0.2082	0.0079	0.6241	14.6540	0.1609
%RSD		0.3	147.3362	1.3558	51.6134	3.4251	2.7751	1.1358	1.2909
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:53	16.0291	155.5045	14.0891	1.0181	1.3095	1.5460	5.7342	3.8584
2	19:57:52	15.3535	130.1315	14.3740	0.8712	1.2261	1.5660	5.1961	3.5443
3	19:58:51	15.3071	133.5599	13.9014	0.9525	1.0840	1.3930	5.1495	3.5744
x		15.5632	139.7320	14.1215	0.9473	1.2065	1.5017	5.3599	3.6591
σ		0.4041	13.7666	0.2380	0.0736	0.1140	0.0946	0.3250	0.1733
%RSD		2.5964	9.8521	1.6852	7.7698	9.4498	6.3011	6.0627	4.7361
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:53	83.4%	0.1484	9.7281	1.8982	-0.0296	36.6416	37.0523	37.7556
2	19:57:52	82.2%	-0.1705	10.6437	1.2114	0.7396	37.8098	37.4165	37.9576
3	19:58:51	82.3%	0.2803	10.6666	1.2374	1.4313	38.0907	38.7707	38.1626
x		82.6%	0.0861	10.3461	1.4490	0.7137	37.5140	37.7465	37.9586
σ		0.7%	0.2318	0.5353	0.3892	0.7308	0.7685	0.9055	0.2035
%RSD		0.8	269.3166	5.1743	26.8620	102.3902	2.0485	2.3989	0.5362
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:53	81.1%	0.0022	0.0020	0.0868	0.0479	0.0601	81.2%	0.0982
2	19:57:52	79.2%	0.0079	0.0063	0.0756	0.0656	0.0709	83.0%	0.0930
3	19:58:51	78.1%	0.0022	0.0042	0.0707	0.0619	0.0720	83.0%	0.1068
x		79.5%	0.0041	0.0041	0.0777	0.0584	0.0677	82.4%	0.0993
σ		1.5%	0.0033	0.0022	0.0083	0.0093	0.0065	1.0%	0.0070
%RSD		1.9	79.6640	52.2898	10.6535	15.9950	9.6662	1.2	7.0340
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:53	0.1005	104.7779	104.7341	106.1479	84.2%	0.0060	0.0068	0.0578
2	19:57:52	0.1090	104.6173	104.0137	104.7996	86.9%	0.0096	0.0136	0.0566
3	19:58:51	0.1126	104.1788	104.0628	105.7645	87.8%	0.0123	0.0070	0.0459
x		0.1074	104.5247	104.2702	105.5707	86.3%	0.0093	0.0091	0.0535
σ		0.0062	0.3101	0.4025	0.6947	1.9%	0.0031	0.0039	0.0065
%RSD		5.7751	0.2967	0.3860	0.6581	2.1	33.7282	42.2000	12.2366
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	19:56:53	0.0561	0.0588	84.3%	4.3989				
2	19:57:52	0.0577	0.0545	87.4%	4.3750				
3	19:58:51	0.0578	0.0601	87.6%	4.4070				
x		0.0572	0.0578	86.4%	4.3936				
σ		0.0010	0.0029	1.9%	0.0166				
%RSD		1.6888	5.0955	2.1	0.3783				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:13	98.6%	0.0012	0.9224	-0.1108	0.1201	0.9702	0.1451	0.0062
2	20:04:10	100.4%	0.0028	0.8611	-0.1417	0.0970	0.3807	0.1548	0.0049
3	20:05:10	101.3%	-0.0014	0.9396	-0.0808	0.0958	-0.0058	0.1722	0.0008
x		100.1%	0.0009	0.9077	-0.1111	0.1043	0.4484	0.1574	0.0040
σ		1.3%	0.0021	0.0413	0.0305	0.0137	0.4915	0.0137	0.0028
%RSD		1.3	245.1892	4.5485	27.4401	13.1521	109.6246	8.7291	70.7131
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:13	0.0177	0.3975	0.3515	0.2756	0.0696	0.3561	0.0804	0.3595
2	20:04:10	0.0250	0.0590	0.2553	0.1876	0.0839	0.4283	0.4970	0.3647
3	20:05:10	0.0063	-0.1463	0.1757	0.1352	0.0068	0.3803	0.2576	0.3531
x		0.0163	0.1034	0.2608	0.1995	0.0535	0.3882	0.2783	0.3591
σ		0.0094	0.2746	0.0880	0.0709	0.0410	0.0367	0.2091	0.0058
%RSD		57.6914	265.5103	33.7482	35.5481	76.7205	9.4528	75.1229	1.6129
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:13	94.2%	0.2567	0.1097	1.7874	0.5808	0.1463	0.1370	0.1366
2	20:04:10	96.6%	0.1190	0.2436	1.1179	0.3197	0.1560	0.1691	0.1634
3	20:05:10	95.3%	-0.0029	0.4675	0.3396	0.2849	0.1333	0.1814	0.1552
x		95.3%	0.1243	0.2736	1.0816	0.3951	0.1452	0.1625	0.1517
σ		1.2%	0.1299	0.1808	0.7246	0.1617	0.0114	0.0229	0.0137
%RSD		1.2	104.5342	66.0696	66.9893	40.9315	7.8462	14.1103	9.0493
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:13	95.5%	0.0005	0.0011	0.0009	0.0016	-0.0009	91.0%	0.0031
2	20:04:10	96.3%	-0.0013	0.0004	-0.0015	-0.0007	0.0001	93.4%	0.0107
3	20:05:10	96.5%	0.0010	0.0004	-0.0015	0.0004	0.0000	94.6%	0.0078
x		96.1%	0.0001	0.0006	-0.0007	0.0004	-0.0003	93.0%	0.0072
σ		0.5%	0.0012	0.0004	0.0014	0.0012	0.0005	1.8%	0.0038
%RSD		0.5	1694.7603	58.4979	202.3001	265.1605	208.9941	2.0	52.7902
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:13	0.0070	0.0519	0.0792	0.0417	89.2%	-0.0006	-0.0039	0.0152
2	20:04:10	0.0042	0.0562	0.0471	0.0549	93.9%	-0.0097	-0.0041	0.0144
3	20:05:10	0.0110	0.0554	0.0465	0.0455	94.0%	-0.0016	-0.0050	0.0142
x		0.0074	0.0545	0.0576	0.0474	92.4%	-0.0040	-0.0044	0.0146
σ		0.0034	0.0023	0.0187	0.0068	2.7%	0.0050	0.0006	0.0005
%RSD		46.0974	4.1846	32.4564	14.3142	3.0	124.5526	13.5971	3.7463
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:03:13	0.0207	0.0187	88.7%	0.0016				
2	20:04:10	0.0179	0.0206	92.9%	0.0027				
3	20:05:10	0.0023	0.0121	93.9%	0.0013				
x		0.0137	0.0171	91.9%	0.0019				
σ		0.0099	0.0045	2.8%	0.0007				
%RSD		72.4313	26.1007	3.0	39.0121				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:43	92.4%	0.0029	7.4214	0.5903	0.2596	7.1836	181.5115	2.0470
2	20:08:40	92.6%	0.0050	6.8826	0.8639	0.2737	6.7479	184.4809	2.0519
3	20:09:39	92.3%	-0.0036	8.6759	0.6346	0.2076	6.7002	183.1754	1.9735
x		92.5%	0.0014	7.6600	0.6963	0.2470	6.8772	183.0559	2.0241
σ		0.1%	0.0045	0.9201	0.1469	0.0348	0.2664	1.4883	0.0439
%RSD		0.2	310.9517	12.0122	21.0962	14.0895	3.8736	0.8131	2.1702
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:43	5.0519	92.6546	3.3790	0.5363	0.7507	0.6052	3.0145	2.1610
2	20:08:40	4.5489	78.5405	3.2377	0.4535	0.7148	0.5661	2.4187	2.1488
3	20:09:39	4.6956	80.6584	3.1460	0.4419	0.8846	0.5001	2.5336	2.0395
x		4.7654	83.9512	3.2542	0.4772	0.7834	0.5571	2.6556	2.1164
σ		0.2587	7.6114	0.1174	0.0515	0.0895	0.0531	0.3161	0.0669
%RSD		5.4278	9.0665	3.6062	10.7834	11.4226	9.5348	11.9036	3.1613
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:43	86.7%	0.4201	4.1708	1.2821	0.7038	15.0192	14.8098	14.5703
2	20:08:40	86.6%	0.4319	4.3640	1.1596	0.7074	14.9605	15.0717	14.6766
3	20:09:39	87.1%	0.8411	2.0571	0.2223	0.1790	14.7340	14.3140	14.3126
x		86.8%	0.5643	3.5307	0.8880	0.5301	14.9046	14.7319	14.5199
σ		0.3%	0.2397	1.2798	0.5798	0.3040	0.1506	0.3848	0.1872
%RSD		0.3	42.4810	36.2478	65.2900	57.3540	1.0104	2.6122	1.2890
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:43	85.6%	0.0020	0.0019	0.0396	0.0170	0.0296	84.1%	0.1149
2	20:08:40	84.1%	0.0000	0.0032	0.0264	0.0179	0.0186	86.4%	0.1184
3	20:09:39	86.1%	0.0026	0.0012	0.0261	0.0214	0.0205	87.1%	0.1300
x		85.3%	0.0016	0.0021	0.0307	0.0188	0.0229	85.9%	0.1211
σ		1.0%	0.0014	0.0011	0.0077	0.0023	0.0059	1.6%	0.0079
%RSD		1.2	87.8311	50.6042	25.1487	12.3922	25.6832	1.9	6.5260
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:07:43	0.1058	72.0176	71.0406	71.7746	87.0%	-0.0044	0.0008	0.0102
2	20:08:40	0.1317	70.6162	69.7851	71.4507	90.3%	-0.0056	-0.0005	0.0145
3	20:09:39	0.0972	70.6689	69.9594	70.8336	91.4%	-0.0006	0.0004	0.0172
x		0.1116	71.1009	70.2617	71.3530	89.5%	-0.0036	0.0003	0.0140
σ		0.0179	0.7943	0.6801	0.4781	2.3%	0.0026	0.0007	0.0036
%RSD		16.0802	1.1171	0.9680	0.6700	2.6	73.3540	248.8492	25.6322
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:07:43	0.0134	0.0140	88.4%	6.6877				
2	20:08:40	0.0109	0.0154	91.3%	6.8012				
3	20:09:39	0.0146	0.0171	92.1%	6.7940				
x		0.0130	0.0155	90.6%	6.7610				
σ		0.0019	0.0016	1.9%	0.0635				
%RSD		14.6078	10.0033	2.1	0.9397				

*Cd Correction = 0.0092*

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:14	102.8%	0.0060	0.5416	-0.2484	0.1228	0.0821	0.2605	0.0047
2	20:14:13	104.8%	0.0012	0.5105	-0.0302	0.0813	-0.8719	0.2297	0.0048
3	20:15:11	104.1%	-0.0015	0.4622	-0.0053	0.0408	-1.1419	0.2649	0.0024
x		103.9%	0.0019	0.5048	-0.0947	0.0816	-0.6439	0.2517	0.0040
σ		1.0%	0.0038	0.0400	0.1337	0.0410	0.6431	0.0192	0.0014
%RSD		0.9	202.1216	7.9226	141.2934	50.2311	99.8779	7.6208	34.2444
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:14	0.0397	1.4743	0.1734	0.2237	0.0412	0.5071	0.4194	0.5633
2	20:14:13	0.0468	-0.5296	0.1830	0.1486	0.0352	0.6200	0.3912	0.5517
3	20:15:11	0.0604	-0.7718	0.1558	0.0886	0.0405	0.5015	0.2355	0.5886
x		0.0490	0.0577	0.1707	0.1536	0.0390	0.5428	0.3487	0.5678
σ		0.0105	1.2328	0.0138	0.0677	0.0033	0.0669	0.0990	0.0189
%RSD		21.4683	2138.2200	8.0838	44.0294	8.4949	12.3195	28.4021	3.3225
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:14	98.9%	0.0667	0.0075	1.6178	0.2795	0.1941	0.2211	0.2020
2	20:14:13	100.0%	0.2432	-0.1024	0.4610	0.5902	0.2017	0.1961	0.2062
3	20:15:11	99.3%	0.2473	-0.4496	0.4711	0.5254	0.2167	0.2327	0.2115
x		99.4%	0.1857	-0.1815	0.8500	0.4650	0.2042	0.2167	0.2066
σ		0.5%	0.1031	0.2386	0.6650	0.1639	0.0115	0.0187	0.0047
%RSD		0.5	55.5264	131.4639	78.2399	35.2526	5.6243	8.6360	2.2989
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:14	100.6%	0.0016	0.0010	-0.0015	0.0015	0.0010	93.9%	0.0030
2	20:14:13	101.2%	0.0010	0.0010	0.0008	-0.0007	0.0010	95.5%	0.0009
3	20:15:11	99.0%	-0.0002	-0.0002	0.0008	0.0047	0.0018	97.5%	0.0062
x		100.2%	0.0008	0.0006	0.0000	0.0019	0.0013	95.6%	0.0034
σ		1.2%	0.0009	0.0007	0.0013	0.0027	0.0005	1.8%	0.0027
%RSD		1.2	111.6479	114.7553	4342.4016	147.9015	39.3787	1.9	78.6681
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:13:14	-0.0010	0.1285	0.1066	0.1156	92.4%	0.0013	-0.0036	0.0070
2	20:14:13	0.0041	0.0508	0.1074	0.1038	96.0%	-0.0067	-0.0044	0.0097
3	20:15:11	0.0031	0.1013	0.1053	0.1114	96.7%	-0.0092	-0.0064	0.0035
x		0.0020	0.0935	0.1064	0.1103	95.0%	-0.0048	-0.0048	0.0067
σ		0.0027	0.0394	0.0010	0.0060	2.3%	0.0055	0.0015	0.0031
%RSD		132.1871	42.1723	0.9825	5.4386	2.4	112.6637	30.9576	45.9658
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:13:14	0.0076	0.0074	91.6%	-0.0001				
2	20:14:13	0.0074	0.0057	95.4%	-0.0012				
3	20:15:11	0.0149	0.0087	96.6%	-0.0021				
x		0.0100	0.0073	94.5%	-0.0011				
σ		0.0043	0.0015	2.6%	0.0010				
%RSD		42.7051	21.0035	2.8	88.7562				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:46	98.5%	25.7110	24.0987	24.5714	25.3350	25.7314	24.9358	25.4923
2	20:18:45	98.3%	24.5340	23.8807	24.0155	24.3819	23.7249	24.3316	24.5450
3	20:19:44	97.4%	24.2130	23.6186	23.5332	23.8391	23.9859	24.1103	24.1711
x		98.1%	24.8193	23.8660	24.0400	24.5187	24.4808	24.4593	24.7361
σ		0.6%	0.7887	0.2404	0.5195	0.7573	1.0909	0.4273	0.6810
%RSD		0.6	3.1779	1.0072	2.1610	3.0886	4.4563	1.7469	2.7531
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:46	25.8060	28.2343	25.9669	26.2536	26.1241	24.5287	24.8051	24.8244
2	20:18:45	24.5900	25.8294	24.5855	25.0995	25.4868	24.3155	25.4172	24.0886
3	20:19:44	23.7967	24.5481	24.1101	24.3563	24.1283	24.5512	25.2263	24.2436
x		24.7309	26.2039	24.8875	25.2365	25.2464	24.4651	25.1496	24.3855
σ		1.0120	1.8714	0.9645	0.9560	1.0194	0.1301	0.3132	0.3879
%RSD		4.0921	7.1416	3.8755	3.7883	4.0377	0.5317	1.2454	1.5905
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:46	92.9%	24.3021	25.2600	25.9061	22.5377	25.0026	23.9586	24.0007
2	20:18:45	94.8%	23.7561	25.3732	23.6512	25.2865	23.7489	23.7722	24.1090
3	20:19:44	94.7%	23.4352	27.4885	26.5004	24.4128	24.4268	24.6075	24.3789
x		94.1%	23.8311	26.0406	25.3525	24.0790	24.3928	24.1128	24.1629
σ		1.0%	0.4383	1.2552	1.5031	1.4044	0.6275	0.4385	0.1948
%RSD		1.1	1.8391	4.8203	5.9288	5.8326	2.5727	1.8185	0.8060
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:46	93.3%	24.9909	25.0840	24.4613	23.9310	24.6604	91.9%	24.7623
2	20:18:45	94.4%	24.2462	24.1728	23.7557	24.0870	24.0206	94.7%	24.5102
3	20:19:44	93.3%	24.5571	24.5818	24.6934	24.3124	24.6612	94.4%	24.5800
x		93.7%	24.5981	24.6129	24.3035	24.1101	24.4474	93.7%	24.6175
σ		0.6%	0.3741	0.4564	0.4883	0.1918	0.3696	1.6%	0.1302
%RSD		0.7	1.5207	1.8542	2.0094	0.7953	1.5119	1.7	0.5288
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:46	24.3546	24.1063	24.7910	24.5510	90.3%	24.6585	24.3441	24.6182
2	20:18:45	24.2569	24.3796	24.8154	24.3365	94.1%	24.2902	24.1399	24.3632
3	20:19:44	24.2838	24.7808	24.4649	24.3497	94.3%	24.3783	24.2287	24.1458
x		24.2984	24.4222	24.6904	24.4124	92.9%	24.4423	24.2376	24.3757
σ		0.0505	0.3393	0.1957	0.1202	2.3%	0.1923	0.1024	0.2365
%RSD		0.2078	1.3891	0.7925	0.4925	2.4	0.7869	0.4224	0.9702
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:17:46	24.2379	24.5017	91.2%	24.1309				
2	20:18:45	24.1463	24.1330	95.1%	24.2654				
3	20:19:44	24.2402	24.2797	95.5%	24.4673				
x		24.2081	24.3048	94.0%	24.2878				
σ		0.0536	0.1857	2.4%	0.1693				
%RSD		0.2213	0.7639	2.5	0.6972				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:50	91.3%	0.0021	0.0023	-0.0653	0.0327	-0.3419	0.0269	0.0040
2	20:33:49	93.4%	-0.0017	-0.0028	-0.0444	0.0416	-0.7897	0.0186	0.0085
3	20:34:48	93.5%	-0.0044	0.0119	-0.2217	0.0191	-0.4210	0.0290	0.0052
X		92.8%	-0.0013	0.0038	-0.1105	0.0311	-0.5175	0.0248	0.0059
σ		1.2%	0.0033	0.0074	0.0969	0.0113	0.2390	0.0055	0.0023
%RSD		1.3	244.8524	196.5677	87.7419	36.3332	46.1848	22.2254	39.6527
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:50	-0.0061	1.1354	0.2368	0.1536	-0.0007	0.0098	-0.1537	0.0698
2	20:33:49	0.0052	0.8152	0.0966	0.0509	-0.0207	-0.0055	-0.2398	0.0749
3	20:34:48	0.0279	-1.7293	0.0734	0.0304	-0.0047	-0.0072	-0.2818	0.0359
X		0.0090	0.0738	0.1356	0.0783	-0.0087	-0.0010	-0.2251	0.0602
σ		0.0173	1.5697	0.0884	0.0660	0.0106	0.0094	0.0653	0.0212
%RSD		192.0955	2127.8646	65.2041	84.3257	121.9826	938.2864	29.0126	35.2082
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:50	87.1%	0.0191	-0.1503	1.1088	-0.1385	0.0536	0.0413	0.0448
2	20:33:49	89.5%	0.0954	0.1118	0.2201	0.3336	0.0342	0.0537	0.0643
3	20:34:48	90.8%	0.1375	-0.1235	0.4837	0.3316	0.0422	0.0568	0.0440
X		89.2%	0.0840	-0.0540	0.6042	0.1756	0.0433	0.0506	0.0510
σ		1.9%	0.0600	0.1442	0.4565	0.2720	0.0097	0.0082	0.0115
%RSD		2.1	71.4525	267.1978	75.5479	154.9024	22.4172	16.2181	22.5179
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:50	88.7%	0.0064	0.0018	0.0010	0.0017	0.0061	88.6%	0.0032
2	20:33:49	89.9%	0.0050	0.0044	-0.0015	0.0064	0.0021	89.7%	0.0032
3	20:34:48	89.9%	0.0069	0.0024	0.0033	-0.0007	-0.0009	90.8%	0.0010
X		89.5%	0.0061	0.0028	0.0010	0.0025	0.0024	89.7%	0.0025
σ		0.7%	0.0010	0.0013	0.0024	0.0036	0.0035	1.1%	0.0013
%RSD		0.8	15.8493	47.3749	248.9925	146.8432	144.3315	1.2	51.7369
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:50	0.0009	-0.0032	-0.0069	0.0066	87.8%	0.0035	-0.0053	0.0138
2	20:33:49	0.0026	0.0073	-0.0009	-0.0051	91.5%	-0.0007	-0.0020	0.0132
3	20:34:48	0.0017	0.0069	0.0155	0.0083	92.5%	-0.0048	-0.0050	0.0148
X		0.0017	0.0037	0.0026	0.0033	90.6%	-0.0007	-0.0041	0.0139
σ		0.0009	0.0059	0.0116	0.0073	2.5%	0.0041	0.0019	0.0008
%RSD		51.3180	161.5475	450.6933	221.8579	2.8	617.8756	45.4208	5.9213
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:32:50	0.0206	0.0194	87.8%	0.0016				
2	20:33:49	0.0279	0.0188	92.4%	-0.0008				
3	20:34:48	0.0202	0.0202	92.2%	-0.0002				
X		0.0229	0.0195	90.8%	0.0002				
σ		0.0043	0.0007	2.6%	0.0013				
%RSD		18.8329	3.6596	2.9	640.3644				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:21	79.6%	0.0002	20665.7530	-0.2112	0.3363	13.7182	1.3445	0.9451
2	20:38:20	79.1%	0.0054	20397.9710	0.0344	0.3299	11.1424	1.3157	0.8534
3	20:39:18	78.9%	0.0049	20536.9700	0.1276	0.2670	10.0588	1.3370	0.8540
x		79.2%	0.0035	20533.5640	-0.0164	0.3111	11.6398	1.3324	0.8842
σ		0.4%	0.0029	133.9235	0.1750	0.0383	1.8797	0.0149	0.0528
%RSD		0.5	81.9366	0.6522	1066.1157	12.3093	16.1490	1.1186	5.9704
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:21	1.8605	57.3136	3.8603	0.5552	0.8271	1.6329	1.9204	1.1782
2	20:38:20	1.5971	45.7382	3.6615	0.4201	0.7565	1.4852	1.8060	1.3198
3	20:39:18	1.6223	44.1980	3.4848	0.4627	0.7479	1.3703	1.6856	1.2805
x		1.6933	49.0833	3.6688	0.4794	0.7771	1.4961	1.8040	1.2595
σ		0.1454	7.1691	0.1879	0.0691	0.0434	0.1316	0.1174	0.0731
%RSD		8.5851	14.6061	5.1204	14.4080	5.5899	8.7962	6.5083	5.8056
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:21	77.4%	-0.2133	6.1140	1.8076	-1.4076	52.3889	52.6204	52.1306
2	20:38:20	78.4%	-0.3456	5.3968	0.4359	-2.1193	51.8982	51.9254	51.5463
3	20:39:18	77.6%	0.0021	5.6926	0.6554	-0.4944	52.5545	52.2149	52.2690
x		77.8%	-0.1856	5.7344	0.9663	-1.3405	52.2805	52.2536	51.9820
σ		0.6%	0.1755	0.3604	0.7368	0.8145	0.3413	0.3491	0.3836
%RSD		0.7	94.5410	6.2854	76.2485	60.7636	0.6529	0.6682	0.7379
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:21	75.1%	0.0533	0.0510	0.0917	0.0614	0.0709	77.9%	0.0261
2	20:38:20	74.6%	0.0556	0.0531	0.1417	0.0678	0.0566	78.8%	0.0388
3	20:39:18	75.9%	0.0358	0.0529	0.0575	0.0639	0.0684	78.1%	0.0524
x		75.2%	0.0482	0.0524	0.0970	0.0644	0.0653	78.3%	0.0391
σ		0.6%	0.0108	0.0012	0.0423	0.0032	0.0076	0.5%	0.0132
%RSD		0.8	22.4353	2.2613	43.6630	5.0228	11.6600	0.6	33.6585
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:37:21	0.0395	0.1237	0.1058	0.1131	81.6%	0.0511	0.0479	0.1080
2	20:38:20	0.0420	0.1586	0.1460	0.1135	84.0%	0.0455	0.0392	0.1155
3	20:39:18	0.0321	0.0762	0.1240	0.1064	82.8%	0.0509	0.0385	0.1234
x		0.0379	0.1195	0.1253	0.1110	82.8%	0.0492	0.0419	0.1156
σ		0.0051	0.0414	0.0201	0.0040	1.2%	0.0032	0.0052	0.0077
%RSD		13.5590	34.6010	16.0683	3.6219	1.5	6.5338	12.5106	6.6436
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:37:21	0.1414	0.1321	82.6%	0.0074				
2	20:38:20	0.1418	0.1339	84.9%	0.0060				
3	20:39:18	0.1272	0.1306	84.7%	0.0054				
x		0.1368	0.1322	84.1%	0.0062				
σ		0.0083	0.0016	1.3%	0.0010				
%RSD		6.0941	1.2462	1.5	16.1959				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:36	79.9%	0.0108	20358.4000	49.3411	49.3264	54.3842	50.5228	49.9355
2	20:44:35	79.7%	-0.0030	20320.5730	49.3726	49.3559	55.4258	50.7759	49.6434
3	20:45:34	79.7%	-0.0043	20230.6340	48.5228	48.8831	53.5595	49.9288	48.6257
x		79.8%	0.0012	20303.2020	49.0789	49.1885	54.4565	50.4091	49.4015
σ		0.1%	0.0083	65.6304	0.4818	0.2649	0.9352	0.4348	0.6876
%RSD		0.1	708.4187	0.3233	0.9817	0.5385	1.7174	0.8626	1.3918
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:36	48.5799	112.6633	51.4597	48.2873	48.3531	25.6417	26.0794	23.8592
2	20:44:35	50.8255	102.5687	52.3635	48.4140	48.4458	25.5612	24.5429	23.8211
3	20:45:34	49.0460	98.0509	50.2424	46.1628	46.5163	24.5050	25.8800	23.2769
x		49.4838	104.4276	51.3552	47.6214	47.7717	25.2360	25.5008	23.6524
σ		1.1851	7.4815	1.0644	1.2648	1.0882	0.6343	0.8355	0.3258
%RSD		2.3949	7.1643	2.0726	2.6559	2.2779	2.5134	3.2764	1.3773
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:36	79.5%	24.1659	29.0587	25.7228	24.4180	51.2171	50.9562	51.9423
2	20:44:35	78.2%	23.0285	31.4520	25.4817	22.3641	52.9500	52.9095	52.3411
3	20:45:34	79.2%	25.4001	25.9028	25.2307	24.3695	51.5103	52.4577	52.1474
x		79.0%	24.1982	28.8045	25.4784	23.7172	51.8925	52.1078	52.1436
σ		0.7%	1.1861	2.7833	0.2460	1.1721	0.9275	1.0226	0.1994
%RSD		0.8	4.9016	9.6627	0.9657	4.9420	1.7873	1.9624	0.3824
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:36	76.4%	12.2043	12.0847	23.8418	22.7182	23.6852	77.5%	0.0430
2	20:44:35	74.8%	12.2953	12.2473	24.9882	23.2846	23.7380	78.3%	0.0416
3	20:45:34	76.2%	12.0702	11.9928	24.4197	22.9679	23.5955	79.5%	0.0548
x		75.8%	12.1899	12.1082	24.4165	22.9902	23.6729	78.4%	0.0465
σ		0.9%	0.1132	0.1289	0.5732	0.2839	0.0720	1.0%	0.0072
%RSD		1.1	0.9289	1.0645	2.3477	1.2348	0.3043	1.3	15.5699
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:36	0.0586	0.1210	0.1071	0.1295	80.1%	0.0462	0.0500	0.1501
2	20:44:35	0.0548	0.1144	0.0835	0.1080	82.3%	0.0418	0.0364	0.1376
3	20:45:34	0.0569	0.1162	0.1454	0.1219	83.6%	0.0391	0.0347	0.1192
x		0.0568	0.1172	0.1120	0.1198	82.0%	0.0424	0.0404	0.1356
σ		0.0019	0.0034	0.0312	0.0109	1.8%	0.0036	0.0084	0.0156
%RSD		3.3750	2.9088	27.8764	9.1095	2.2	8.4142	20.7934	11.4671
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:43:36	0.1492	0.1475	82.1%	0.0053				
2	20:44:35	0.1560	0.1358	85.0%	0.0063				
3	20:45:34	0.1257	0.1256	84.9%	0.0080				
x		0.1436	0.1363	84.0%	0.0065				
σ		0.0159	0.0109	1.6%	0.0014				
%RSD		11.0514	8.0319	1.9	21.1375				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:09	84.6%	25.4807	23.9504	24.6300	24.7980	21.9458	24.6711	25.0618
2	20:51:08	84.4%	24.5090	24.5779	23.3721	23.7309	20.8670	24.4668	24.3621
3	20:52:07	85.3%	24.7071	24.1308	24.2093	24.1680	20.5386	24.6055	24.4073
x		84.8%	24.8989	24.2197	24.0705	24.2323	21.1171	24.5811	24.6104
σ		0.5%	0.5135	0.3231	0.6403	0.5365	0.7362	0.1043	0.3916
%RSD		0.6	2.0622	1.3339	2.6602	2.2138	3.4863	0.4244	1.5913
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:09	24.3170	25.3391	25.6363	25.1160	24.8435	24.2551	24.2412	24.0148
2	20:51:08	23.8554	25.2946	24.8956	24.3044	24.2980	23.5685	23.6832	24.0225
3	20:52:07	24.1462	25.9487	24.0791	24.2807	24.7515	24.7402	23.9202	24.5517
x		24.1062	25.5275	24.8703	24.5671	24.6310	24.1879	23.9482	24.1963
σ		0.2334	0.3655	0.7789	0.4755	0.2920	0.5887	0.2800	0.3078
%RSD		0.9681	1.4318	3.1317	1.9357	1.1855	2.4341	1.1694	1.2719
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:09	84.1%	24.6294	25.4152	25.9856	27.1877	23.4758	23.9150	24.0638
2	20:51:08	85.7%	22.7426	28.1378	23.8297	23.1553	23.9394	24.1576	23.8503
3	20:52:07	84.5%	23.1239	24.4208	24.3046	23.5661	24.1915	23.8751	23.5865
x		84.8%	23.4986	25.9913	24.7066	24.6364	23.8689	23.9826	23.8335
σ		0.8%	0.9977	1.9243	1.1328	2.2191	0.3630	0.1529	0.2391
%RSD		1.0	4.2456	7.4035	4.5849	9.0072	1.5209	0.6374	1.0030
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:09	83.8%	24.6055	24.4797	24.3250	23.7864	24.2175	84.2%	24.4281
2	20:51:08	84.9%	24.1283	24.9379	24.4840	24.4919	24.5452	85.1%	24.6225
3	20:52:07	85.8%	24.1294	24.2759	23.9868	24.4452	24.5124	86.3%	24.8712
x		84.9%	24.2877	24.5645	24.2653	24.2412	24.4250	85.2%	24.6406
σ		1.0%	0.2752	0.3391	0.2539	0.3945	0.1805	1.0%	0.2221
%RSD		1.2	1.1331	1.3804	1.0464	1.6275	0.7389	1.2	0.9013
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:50:09	23.8453	24.5067	23.9263	24.1569	84.0%	24.2002	24.3861	24.2038
2	20:51:08	24.8359	24.1323	23.7454	24.4377	88.6%	24.2849	24.2546	24.2350
3	20:52:07	24.5230	23.4819	24.0737	24.3327	89.5%	24.4139	24.3321	24.3507
x		24.4014	24.0403	23.9152	24.3091	87.4%	24.2997	24.3243	24.2632
σ		0.5064	0.5186	0.1644	0.1419	2.9%	0.1076	0.0661	0.0774
%RSD		2.0752	2.1571	0.6875	0.5837	3.4	0.4427	0.2718	0.3192
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	20:50:09	24.1641	24.2350	85.5%	24.0842				
2	20:51:08	24.1197	24.1904	89.3%	24.3276				
3	20:52:07	24.3059	24.2015	91.1%	24.4556				
x		24.1966	24.2090	88.7%	24.2892				
σ		0.0973	0.0232	2.9%	0.1887				
%RSD		0.4020	0.0960	3.3	0.7768				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	21:05:01	85.6%	0.0026	0.0053	-0.0926	-0.0213	-2.5434	0.0204	0.0064
2	21:06:00	84.9%	-0.0031	0.0397	-0.1910	-0.0065	-2.5049	0.0060	0.0088
3	21:06:59	86.4%	-0.0005	0.0410	-0.0608	-0.0033	-2.8966	0.0024	0.0018
x		85.6%	-0.0003	0.0287	-0.1148	-0.0104	-2.6483	0.0096	0.0056
σ		0.7%	0.0029	0.0203	0.0679	0.0096	0.2159	0.0095	0.0035
%RSD		0.8	880.2861	70.6677	59.1306	92.1558	8.1532	98.5472	62.9143
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	21:05:01	0.0038	0.0544	0.2973	0.1593	-0.0077	0.0641	-0.3654	0.0575
2	21:06:00	0.0130	-0.8591	0.3197	0.0361	0.0025	0.0480	-0.2903	0.0313
3	21:06:59	0.0098	-0.2579	0.1631	0.0701	-0.0111	0.0104	-0.2159	0.0179
x		0.0089	-0.3542	0.2600	0.0885	-0.0054	0.0408	-0.2905	0.0355
σ		0.0047	0.4643	0.0847	0.0636	0.0071	0.0276	0.0747	0.0202
%RSD		52.7695	131.0883	32.5847	71.9274	130.7252	67.5342	25.7220	56.7310
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	21:05:01	84.4%	0.0937	-0.3622	0.8311	0.0162	0.0467	0.0634	0.0622
2	21:06:00	84.8%	0.1792	-0.1260	0.6887	0.4672	0.0687	0.0638	0.0600
3	21:06:59	85.1%	0.2858	-0.4247	0.2845	0.6298	0.0533	0.0463	0.0557
x		84.8%	0.1862	-0.3043	0.6014	0.3711	0.0562	0.0578	0.0593
σ		0.3%	0.0962	0.1575	0.2835	0.3179	0.0113	0.0100	0.0033
%RSD		0.4	51.6641	51.7765	47.1455	85.6620	20.0317	17.2788	5.5330
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	21:05:01	85.8%	0.0020	0.0073	0.0011	-0.0007	-0.0009	84.6%	0.0003
2	21:06:00	85.0%	0.0013	0.0046	-0.0015	0.0005	-0.0009	87.0%	0.0018
3	21:06:59	85.4%	0.0053	0.0032	-0.0015	0.0030	0.0012	86.4%	0.0011
x		85.4%	0.0029	0.0050	-0.0006	0.0009	-0.0002	86.0%	0.0011
σ		0.4%	0.0021	0.0021	0.0015	0.0019	0.0012	1.2%	0.0007
%RSD		0.5	73.8546	41.9026	245.1661	201.2369	586.6142	1.4	68.7682
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	21:05:01	-0.0009	-0.0060	-0.0017	0.0010	85.9%	-0.0015	-0.0000	0.0197
2	21:06:00	0.0009	-0.0184	0.0125	0.0085	90.7%	-0.0072	-0.0014	0.0195
3	21:06:59	0.0028	-0.0069	0.0170	0.0027	91.3%	0.0017	-0.0023	0.0190
x		0.0009	-0.0104	0.0093	0.0041	89.3%	-0.0023	-0.0012	0.0194
σ		0.0019	0.0069	0.0098	0.0039	3.0%	0.0045	0.0011	0.0004
%RSD		204.2425	66.5867	105.5719	96.2798	3.3	191.2620	91.8351	1.8792
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	21:05:01	0.0178	0.0211	86.3%	0.0007				
2	21:06:00	0.0192	0.0198	90.5%	-0.0009				
3	21:06:59	0.0180	0.0228	90.4%	-0.0010				
x		0.0183	0.0212	89.1%	-0.0004				
σ		0.0008	0.0015	2.4%	0.0009				
%RSD		4.3071	7.0347	2.6	236.4790				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	21:09:32	91.8%	0.0179	135.6501	1.1173	0.4245	11.4626	69.0039	5.6229
2	21:10:31	92.1%	0.0156	130.3398	1.0199	0.4033	14.3459	68.1985	5.6437
3	21:11:30	91.6%	0.0174	130.2307	1.1258	0.5208	15.1897	68.6846	5.5899
X		91.8%	0.0170	132.0735	1.0877	0.4495	13.6660	68.6290	5.6188
σ		0.2%	0.0012	3.0979	0.0588	0.0626	1.9543	0.4056	0.0271
%RSD		0.2	7.1621	2.3456	5.4083	13.9339	14.3006	0.5910	0.4823
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	21:09:32	7.2701	124.7388	5.4830	0.8893	1.2454	1.4586	10.7294	7.7151
2	21:10:31	6.7635	106.7467	5.3129	0.8419	1.2098	1.5139	10.3148	7.5436
3	21:11:30	6.5826	95.0397	5.1709	0.8430	1.0698	1.5469	9.9160	7.4202
X		6.8720	108.8417	5.3223	0.8581	1.1750	1.5065	10.3201	7.5596
σ		0.3564	14.9600	0.1562	0.0270	0.0928	0.0446	0.4067	0.1481
%RSD		5.1862	13.7447	2.9355	3.1507	7.9014	2.9620	3.9410	1.9585
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	21:09:32	85.4%	1.6622	5.7855	1.0406	0.9582	16.6899	17.0455	16.5633
2	21:10:31	85.7%	1.6127	6.5597	0.6424	1.1121	16.4576	16.8010	16.7006
3	21:11:30	85.8%	1.6494	7.0797	1.2515	1.1919	16.5905	16.3941	16.5295
X		85.7%	1.6415	6.4750	0.9782	1.0874	16.5793	16.7469	16.5978
σ		0.2%	0.0257	0.6513	0.3093	0.1188	0.1165	0.3290	0.0906
%RSD		0.2	1.5660	10.0581	31.6241	10.9242	0.7028	1.9648	0.5461
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	21:09:32	84.0%	0.0155	0.0122	0.0368	0.0456	0.0343	85.6%	0.3048
2	21:10:31	86.0%	0.0158	0.0086	0.0489	0.0388	0.0288	86.5%	0.3116
3	21:11:30	86.3%	0.0144	0.0126	0.0385	0.0335	0.0568	87.5%	0.3242
X		85.4%	0.0153	0.0111	0.0414	0.0393	0.0400	86.5%	0.3135
σ		1.2%	0.0007	0.0022	0.0065	0.0060	0.0149	1.0%	0.0098
%RSD		1.4	4.8263	19.6900	15.7701	15.3828	37.1346	1.1	3.1399
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	21:09:32	0.2861	301.1593	301.8637	310.4053	88.7%	0.0010	0.0015	0.4368
2	21:10:31	0.2918	302.2282	302.5019	306.7358	91.2%	-0.0042	0.0006	0.4202
3	21:11:30	0.3068	296.4644	298.9097	307.7569	92.3%	0.0018	0.0004	0.4043
X		0.2949	299.9507	301.0918	308.2993	90.8%	-0.0005	0.0008	0.4205
σ		0.0107	3.0661	1.9165	1.8939	1.9%	0.0033	0.0006	0.0163
%RSD		3.6300	1.0222	0.6365	0.6143	2.0	723.2905	70.4659	3.8707
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	21:09:32	0.4897	0.4543	89.1%	20.8788				
2	21:10:31	0.4682	0.4442	92.1%	20.8727				
3	21:11:30	0.4673	0.4470	93.3%	20.6263				
X		0.4751	0.4485	91.5%	20.7926				
σ		0.0127	0.0052	2.2%	0.1441				
%RSD		2.6704	1.1684	2.4	0.6929				

Cd correction = 0.0168

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	21:15:10	104.8%	-0.0060	0.1737	-0.1069	0.0708	0.1238	0.0041	0.0032
2	21:16:08	104.4%	-0.0031	0.2224	-0.0586	0.0509	-0.5026	0.0132	-0.0016
3	21:17:06	105.6%	-0.0043	0.1684	0.0364	0.0185	-1.2193	0.0167	-0.0004
x		104.9%	-0.0044	0.1882	-0.0430	0.0467	-0.5327	0.0113	0.0004
σ		0.6%	0.0015	0.0298	0.0729	0.0264	0.6721	0.0065	0.0025
%RSD		0.6	33.2063	15.8283	169.4053	56.5096	126.1591	57.3358	596.5347
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	21:15:10	0.0002	0.4173	0.2737	0.1527	-0.0393	-0.0617	0.1159	-0.0281
2	21:16:08	-0.0003	-0.6589	0.1994	0.0534	-0.0012	-0.0920	-0.1459	-0.0889
3	21:17:06	0.0045	-0.1481	0.1788	0.0353	-0.0440	-0.0594	-0.1382	-0.0661
x		0.0015	-0.1299	0.2173	0.0804	-0.0282	-0.0710	-0.0561	-0.0610
σ		0.0027	0.5383	0.0499	0.0632	0.0235	0.0182	0.1490	0.0307
%RSD		180.5145	414.4117	22.9683	78.5831	83.4632	25.5899	265.6912	50.3666
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	21:15:10	97.9%	0.0069	-0.1890	1.6480	-0.3543	0.0252	0.0392	0.0328
2	21:16:08	100.8%	0.1032	-0.2579	0.6185	0.2426	0.0630	0.0649	0.0593
3	21:17:06	102.3%	0.1689	0.0306	0.2614	0.5498	0.0394	0.0475	0.0639
x		100.4%	0.0930	-0.1388	0.8426	0.1460	0.0425	0.0506	0.0520
σ		2.2%	0.0815	0.1507	0.7199	0.4597	0.0191	0.0131	0.0168
%RSD		2.2	87.5753	108.5700	85.4381	314.7553	44.9003	25.8697	32.2473
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	21:15:10	100.4%	-0.0007	0.0010	-0.0015	0.0004	-0.0009	94.8%	0.0003
2	21:16:08	101.3%	-0.0008	0.0004	-0.0015	0.0014	0.0009	100.3%	0.0060
3	21:17:06	100.7%	-0.0002	0.0004	-0.0015	0.0004	0.0009	99.9%	0.0002
x		100.8%	-0.0006	0.0006	-0.0015	0.0007	0.0003	98.3%	0.0022
σ		0.5%	0.0003	0.0004	0.0000	0.0006	0.0010	3.1%	0.0034
%RSD		0.5	57.4244	60.3044	0.0000	82.5913	349.2591	3.2	154.5192
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	21:15:10	0.0033	-0.0052	0.0041	0.0119	93.9%	-0.0066	-0.0017	0.0013
2	21:16:08	-0.0003	0.0271	0.0180	0.0107	98.2%	-0.0034	-0.0085	-0.0013
3	21:17:06	0.0038	-0.0134	0.0140	0.0224	99.8%	-0.0056	-0.0055	0.0041
x		0.0023	0.0028	0.0121	0.0150	97.3%	-0.0052	-0.0052	0.0014
σ		0.0022	0.0214	0.0071	0.0065	3.0%	0.0017	0.0034	0.0027
%RSD		97.7306	753.2997	59.2903	43.0843	3.1	32.1033	64.8709	200.4632
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	21:15:10	0.0082	0.0047	93.2%	-0.0020				
2	21:16:08	-0.0003	0.0017	97.3%	-0.0015				
3	21:17:06	0.0020	0.0030	98.7%	-0.0013				
x		0.0033	0.0031	96.4%	-0.0016				
σ		0.0044	0.0015	2.9%	0.0003				
%RSD		133.7863	47.7107	3.0	20.2875				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:43	100.0%	20.2142	19.8965	19.1404	19.6707	18.8784	19.3676	19.8676
2	21:20:40	100.2%	19.7996	19.8025	19.3942	19.3144	17.6968	19.3362	19.3270
3	21:21:39	98.4%	19.4432	19.6683	19.2808	19.5829	18.2955	19.2083	19.1661
x		99.5%	19.8190	19.7891	19.2718	19.5227	18.2903	19.3040	19.4536
σ		1.0%	0.3859	0.1147	0.1272	0.1856	0.5908	0.0844	0.3675
%RSD		1.0	1.9469	0.5795	0.6598	0.9508	3.2303	0.4372	1.8889
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:43	20.2467	20.7956	20.5595	20.0307	19.9490	20.3027	19.7097	19.9063
2	21:20:40	19.3423	18.4691	19.8729	19.5209	20.0674	19.9710	19.7632	19.8319
3	21:21:39	19.3556	21.0698	19.1857	19.3788	19.5454	20.2000	19.1458	19.6859
x		19.6482	20.1115	19.8727	19.6434	19.8539	20.1579	19.5396	19.8081
σ		0.5184	1.4289	0.6869	0.3428	0.2736	0.1698	0.3420	0.1121
%RSD		2.6382	7.1051	3.4563	1.7451	1.3783	0.8426	1.7505	0.5661
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:43	96.1%	19.2444	19.8764	20.6222	19.9254	19.0405	19.1786	19.3602
2	21:20:40	96.6%	17.8351	21.1027	20.7087	18.4669	19.7620	19.5037	19.6769
3	21:21:39	96.7%	18.3420	19.5869	19.5659	18.8305	19.8071	19.6744	19.4130
x		96.5%	18.4738	20.1887	20.2989	19.0743	19.5365	19.4523	19.4833
σ		0.3%	0.7138	0.8047	0.6363	0.7592	0.4302	0.2519	0.1697
%RSD		0.4	3.8640	3.9859	3.1348	3.9804	2.2018	1.2950	0.8709
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:43	96.9%	19.0234	19.5232	19.3054	18.2954	19.0092	95.4%	19.5900
2	21:20:40	96.8%	19.1027	19.2580	19.3789	18.3767	18.8524	96.6%	19.6576
3	21:21:39	94.8%	19.1478	19.3268	19.6040	19.1185	19.1321	96.5%	19.7841
x		96.2%	19.0913	19.3694	19.4294	18.5969	18.9979	96.2%	19.6772
σ		1.2%	0.0630	0.1376	0.1556	0.4535	0.1402	0.7%	0.0986
%RSD		1.3	0.3298	0.7106	0.8009	2.4388	0.7379	0.7	0.5008
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:43	19.3808	19.3233	19.5088	19.4809	94.2%	19.6335	19.4023	19.5398
2	21:20:40	19.5066	19.2538	19.4165	19.3203	97.0%	19.1723	19.0307	19.5383
3	21:21:39	19.7509	19.5281	19.5768	19.3927	97.6%	19.6351	19.3283	19.1088
x		19.5461	19.3684	19.5007	19.3980	96.3%	19.4803	19.2538	19.3956
σ		0.1882	0.1426	0.0805	0.0804	1.8%	0.2667	0.1967	0.2484
%RSD		0.9630	0.7362	0.4126	0.4147	1.9	1.3693	1.0214	1.2808
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:19:43	19.6271	19.5617	93.0%	19.5471				
2	21:20:40	19.2903	19.3321	97.9%	19.3463				
3	21:21:39	19.3099	19.2814	98.5%	19.4999				
x		19.4091	19.3917	96.4%	19.4645				
σ		0.1890	0.1494	3.0%	0.1050				
%RSD		0.9738	0.7702	3.1	0.5395				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	91.1%	0.0005	129.0607	1.2306	5.0909	5.5612	9.5424	0.1960
2	21:26:15	91.4%	0.0042	126.6336	1.3423	4.9834	5.0311	9.2847	0.1909
3	21:27:14	92.5%	0.0088	124.5879	1.4029	4.8628	4.5560	9.1417	0.1950
x		91.7%	0.0045	126.7608	1.3253	4.9790	5.0494	9.3229	0.1939
σ		0.8%	0.0041	2.2391	0.0874	0.1141	0.5028	0.2031	0.0027
%RSD		0.8	91.8886	1.7664	6.5936	2.2917	9.9582	2.1783	1.3950
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	2.3913	5.6958	2.5095	16.4409	16.7152	116.4540	110.2955	113.7605
2	21:26:15	2.3158	2.4910	2.2708	15.9554	16.2152	113.2719	107.2023	110.3062
3	21:27:14	2.3278	4.2488	2.3081	15.5466	15.4040	116.2392	107.3400	112.0762
x		2.3450	4.1452	2.3628	15.9810	16.1114	115.3217	108.2792	112.0476
σ		0.0406	1.6049	0.1284	0.4477	0.6617	1.7784	1.7475	1.7273
%RSD		1.7298	38.7173	5.4328	2.8012	4.1072	1.5421	1.6139	1.5416
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	88.4%	0.5718	0.2338	1.2711	0.2952	0.3701	0.4207	0.4387
2	21:26:15	90.2%	0.6486	0.1043	0.6583	0.8730	0.4203	0.4000	0.4301
3	21:27:14	90.3%	0.4543	0.3809	0.5875	0.2548	0.4234	0.4099	0.3344
x		89.6%	0.5582	0.2397	0.8390	0.4743	0.4046	0.4102	0.4011
σ		1.1%	0.0979	0.1384	0.3759	0.3458	0.0299	0.0103	0.0579
%RSD		1.2	17.5328	57.7358	44.8071	72.9096	7.3981	2.5193	14.4389
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	91.0%	0.0195	0.0135	0.0569	0.0603	0.0460	88.4%	0.6416
2	21:26:15	90.0%	0.0170	0.0160	0.0467	0.0407	0.0629	90.2%	0.6062
3	21:27:14	90.8%	0.0180	0.0208	0.0600	0.0572	0.0451	92.5%	0.5840
x		90.6%	0.0182	0.0168	0.0546	0.0527	0.0514	90.4%	0.6106
σ		0.5%	0.0013	0.0037	0.0069	0.0106	0.0100	2.0%	0.0291
%RSD		0.6	6.9639	22.2826	12.7136	20.0259	19.4855	2.2	4.7601
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:25:18	0.5766	5.0407	4.7891	5.0181	89.3%	0.0008	-0.0036	4.7533
2	21:26:15	0.6014	4.9795	4.9396	4.8685	92.9%	0.0005	-0.0007	4.8405
3	21:27:14	0.5581	4.9012	5.2155	4.9721	94.7%	-0.0020	-0.0008	4.7311
x		0.5787	4.9738	4.9814	4.9529	92.3%	-0.0002	-0.0017	4.7750
σ		0.0217	0.0700	0.2162	0.0766	2.7%	0.0015	0.0016	0.0579
%RSD		3.7493	1.4066	4.3405	1.5468	3.0	630.7731	94.8607	1.2116
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:25:18	5.3798	5.1141	90.0%	0.0149				
2	21:26:15	5.2507	5.0898	93.9%	0.0103				
3	21:27:14	5.2396	5.0663	95.9%	0.0146				
x		5.2901	5.0901	93.3%	0.0132				
σ		0.0779	0.0239	3.0%	0.0026				
%RSD		1.4734	0.4698	3.3	19.4639				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:53	91.3%	-0.0001	24.9516	0.2970	1.0243	0.7202	1.8810	0.0480
2	21:30:50	93.4%	-0.0006	25.1993	0.1810	0.9724	0.6655	1.8638	0.0377
3	21:31:48	93.4%	-0.0039	26.4807	0.1994	0.9131	0.3776	1.8077	0.0415
x		92.7%	-0.0016	25.5439	0.2258	0.9699	0.5878	1.8508	0.0424
σ		1.3%	0.0020	0.8207	0.0623	0.0556	0.1841	0.0383	0.0052
%RSD		1.4	131.2895	3.2130	27.6058	5.7362	31.3156	2.0713	12.2271
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:53	0.4436	0.3881	0.6096	3.3464	3.2751	23.0971	21.1518	22.9500
2	21:30:50	0.5017	-0.6095	0.5010	3.1870	3.2560	23.8589	21.7675	23.3724
3	21:31:48	0.3903	-0.1396	0.5298	3.1715	2.9195	23.1971	21.6502	22.9695
x		0.4452	-0.1203	0.5468	3.2350	3.1502	23.3844	21.5232	23.0973
σ		0.0557	0.4991	0.0563	0.0968	0.2000	0.4140	0.3269	0.2385
%RSD		12.5155	414.7080	10.2933	2.9920	6.3502	1.7705	1.5189	1.0324
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:53	91.8%	0.2433	0.1400	1.2456	0.5565	0.0875	0.0877	0.0814
2	21:30:50	91.3%	0.2960	-0.0188	0.2256	0.5968	0.0900	0.0656	0.0867
3	21:31:48	92.6%	0.2909	-0.1413	0.0034	0.4775	0.0926	0.0964	0.0781
x		91.9%	0.2767	-0.0067	0.4915	0.5436	0.0901	0.0833	0.0821
σ		0.7%	0.0291	0.1411	0.6624	0.0607	0.0026	0.0159	0.0043
%RSD		0.7	10.5002	2101.9959	134.7806	11.1667	2.8358	19.0383	5.2886
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:53	91.8%	0.0049	0.0017	0.0176	0.0121	0.0137	91.1%	0.1449
2	21:30:50	91.4%	0.0018	0.0049	0.0056	0.0062	0.0096	92.9%	0.1307
3	21:31:48	92.8%	0.0030	0.0036	0.0009	0.0131	0.0067	93.0%	0.1221
x		92.0%	0.0032	0.0034	0.0080	0.0105	0.0100	92.3%	0.1326
σ		0.7%	0.0016	0.0016	0.0086	0.0037	0.0035	1.1%	0.0115
%RSD		0.8	49.0019	46.7596	107.2871	35.5362	34.9029	1.2	8.6916
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:53	0.1149	1.0378	0.9888	0.9734	91.1%	-0.0025	-0.0057	0.9235
2	21:30:50	0.1177	1.0460	0.9533	0.9893	93.8%	-0.0020	-0.0062	0.9370
3	21:31:48	0.1260	1.0754	0.9653	1.0019	95.3%	-0.0040	-0.0048	0.9474
x		0.1195	1.0530	0.9691	0.9882	93.4%	-0.0028	-0.0056	0.9360
σ		0.0058	0.0198	0.0181	0.0143	2.1%	0.0010	0.0007	0.0120
%RSD		4.8516	1.8803	1.8662	1.4481	2.3	36.2581	12.2020	1.2819
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:29:53	1.1179	1.0205	91.2%	0.0001				
2	21:30:50	1.0896	1.0202	94.3%	0.0017				
3	21:31:48	1.1336	1.0264	96.1%	0.0004				
x		1.1137	1.0224	93.8%	0.0008				
σ		0.0223	0.0035	2.5%	0.0009				
%RSD		2.0033	0.3398	2.7	114.1067				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	21:34:26	90.6%	20.0077	144.7599	20.3869	24.2321	22.8650	27.7871	18.9240
2	21:35:25	91.0%	19.2217	143.4821	20.3836	23.7168	22.5438	27.9066	18.9370
3	21:36:24	90.7%	18.8839	143.3524	19.6070	23.7181	23.2675	28.0330	18.9904
X		90.8%	19.3711	143.8648	20.1258	23.8890	22.8921	27.9089	18.9505
σ		0.2%	0.5766	0.7779	0.4493	0.2971	0.3626	0.1230	0.0352
%RSD		0.3	2.9768	0.5407	2.2324	1.2438	1.5839	0.4406	0.1855
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	21:34:26	21.4812	23.8670	21.1658	35.0618	35.0898	131.4455	120.5378	128.3291
2	21:35:25	21.5984	25.5488	21.3449	35.0185	35.4432	131.8037	124.9688	128.9007
3	21:36:24	20.7543	23.3026	20.7756	33.8080	34.6306	130.9433	121.5024	126.7359
X		21.2780	24.2395	21.0954	34.6294	35.0545	131.3975	122.3363	127.9886
σ		0.4573	1.1685	0.2911	0.7117	0.4074	0.4322	2.3302	1.1218
%RSD		2.1491	4.8205	1.3800	2.0552	1.1623	0.3289	1.9048	0.8765
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	21:34:26	90.3%	18.5398	21.8085	20.1489	18.2235	19.3511	19.3425	19.0425
2	21:35:25	90.4%	18.7966	20.2079	17.9254	18.5511	19.1304	18.9895	18.9244
3	21:36:24	91.2%	18.3668	20.8624	17.9463	18.3528	19.5551	19.2157	19.3205
X		90.6%	18.5677	20.9596	18.6735	18.3758	19.3456	19.1826	19.0958
σ		0.5%	0.2163	0.8048	1.2778	0.1650	0.2124	0.1788	0.2034
%RSD		0.5	1.1648	3.8396	6.8426	0.8981	1.0980	0.9321	1.0650
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	21:34:26	89.0%	9.5971	9.6894	18.7546	18.4963	18.7474	90.2%	19.8745
2	21:35:25	90.9%	9.4384	9.4674	19.4570	19.0027	18.9748	90.4%	19.8653
3	21:36:24	88.8%	9.7680	9.7861	19.2517	19.1097	19.2440	90.0%	20.3315
X		89.6%	9.6012	9.6476	19.1544	18.8695	18.9887	90.2%	20.0237
σ		1.1%	0.1648	0.1634	0.3612	0.3277	0.2486	0.2%	0.2665
%RSD		1.3	1.7164	1.6938	1.8856	1.7365	1.3093	0.2	1.3311
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	21:34:26	19.6588	23.4250	23.9896	23.8775	90.4%	18.8586	18.7661	23.8009
2	21:35:25	19.8623	23.6719	23.7253	23.8831	92.3%	19.0125	18.9947	23.8961
3	21:36:24	19.9326	24.1988	24.1841	23.9169	93.5%	18.8591	18.8184	23.9006
X		19.8179	23.7652	23.9663	23.8925	92.1%	18.9100	18.8597	23.8659
σ		0.1422	0.3953	0.2303	0.0213	1.6%	0.0888	0.1198	0.0563
%RSD		0.7176	1.6632	0.9608	0.0891	1.7	0.4693	0.6351	0.2359
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	21:34:26	24.0953	23.8504	91.5%	18.4403				
2	21:35:25	24.3775	24.1903	93.2%	18.9811				
3	21:36:24	24.0875	24.1476	95.1%	18.9688				
X		24.1868	24.0628	93.3%	18.7967				
σ		0.1652	0.1851	1.8%	0.3087				
%RSD		0.6831	0.7693	1.9	1.6424				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:56	98.3%	0.0013	1.6846	-0.1781	0.0949	-1.6641	363.2176	0.5557
2	21:40:54	96.2%	0.0029	1.6272	-0.0311	0.1059	-2.2129	361.6441	0.5413
3	21:41:52	95.9%	0.0003	1.6356	0.0378	0.0960	-2.5063	369.6459	0.5158
X		96.8%	0.0015	1.6492	-0.0571	0.0989	-2.1278	364.8359	0.5376
σ		1.3%	0.0013	0.0310	0.1103	0.0060	0.4275	4.2393	0.0202
%RSD		1.3	84.8810	1.8791	193.0574	6.0887	20.0930	1.1620	3.7602
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:56	1.6813	62.1146	0.5980	0.3118	0.4542	1.5863	4.0835	3.9882
2	21:40:54	1.4647	54.2565	0.3617	0.3004	0.4104	1.6618	3.9096	3.9149
3	21:41:52	1.5010	51.4853	0.5391	0.2862	0.4776	1.7763	3.6267	3.6157
X		1.5490	55.9521	0.4996	0.2995	0.4474	1.6748	3.8732	3.8396
σ		0.1160	5.5138	0.1230	0.0129	0.0341	0.0957	0.2306	0.1973
%RSD		7.4865	9.8545	24.6215	4.2943	7.6161	5.7112	5.9527	5.1394
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:56	93.0%	5.8160	2.3072	1.0158	0.3281	0.3675	0.4264	0.4328
2	21:40:54	92.4%	5.6937	2.4338	0.5554	-0.1257	0.4364	0.4364	0.4480
3	21:41:52	92.5%	6.1305	1.3399	0.1908	-0.0884	0.3568	0.4668	0.3585
X		92.6%	5.8800	2.0270	0.5873	0.0380	0.3869	0.4432	0.4131
σ		0.3%	0.2253	0.5983	0.4135	0.2519	0.0432	0.0210	0.0479
%RSD		0.4	3.8320	29.5191	70.3968	663.0098	11.1704	4.7456	11.5956
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:56	91.0%	0.0005	0.0062	-0.0015	0.0005	0.0039	91.6%	0.0328
2	21:40:54	91.0%	0.0024	0.0037	-0.0015	0.0098	0.0011	91.1%	0.0322
3	21:41:52	90.7%	0.0043	0.0030	0.0009	0.0016	0.0040	91.5%	0.0441
X		90.9%	0.0024	0.0043	-0.0007	0.0040	0.0030	91.4%	0.0364
σ		0.2%	0.0019	0.0017	0.0014	0.0051	0.0017	0.3%	0.0067
%RSD		0.2	77.4335	39.3415	208.5552	128.5928	55.9280	0.3	18.3362
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:56	0.0335	103.6020	103.5742	104.5733	91.5%	-0.0054	-0.0034	0.0120
2	21:40:54	0.0460	104.5415	104.8026	105.6026	94.0%	0.0008	-0.0021	0.0095
3	21:41:52	0.0467	103.8564	104.1602	104.7356	95.1%	0.0003	-0.0054	0.0056
X		0.0421	104.0000	104.1790	104.9705	93.5%	-0.0014	-0.0036	0.0090
σ		0.0074	0.4859	0.6144	0.5534	1.8%	0.0034	0.0016	0.0033
%RSD		17.5924	0.4672	0.5897	0.5272	1.9	239.6075	45.0713	36.1053
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:39:56	0.0043	0.0062	91.3%	0.4227				
2	21:40:54	0.0058	0.0070	93.5%	0.4243				
3	21:41:52	0.0064	0.0037	95.5%	0.4033				
X		0.0055	0.0056	93.5%	0.4167				
σ		0.0011	0.0017	2.1%	0.0117				
%RSD		20.4274	30.5110	2.3	2.8010				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	97.5%	0.0036	1.4159	0.0122	0.0977	-2.2736	369.9097	0.5622
2	21:45:26	97.0%	-0.0010	1.5316	-0.0904	0.0590	-2.3288	363.1930	0.5426
3	21:46:25	97.4%	-0.0036	1.3476	-0.0137	0.0434	-2.4410	365.4119	0.5796
	x	97.3%	-0.0003	1.4317	-0.0307	0.0667	-2.3478	366.1715	0.5615
	σ	0.3%	0.0036	0.0930	0.0533	0.0279	0.0853	3.4222	0.0185
	%RSD	0.3	1094.6291	6.4958	173.9429	41.8479	3.6340	0.9346	3.3003
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	1.5142	60.1020	0.4653	0.2864	0.4239	1.4559	4.1299	3.6983
2	21:45:26	1.4069	55.4804	0.4459	0.1578	0.2929	1.5753	4.2573	3.6682
3	21:46:25	1.3860	52.7629	0.2780	0.1670	0.3120	1.4676	4.0618	3.8308
	x	1.4357	56.1151	0.3964	0.2037	0.3429	1.4996	4.1497	3.7324
	σ	0.0688	3.7105	0.1030	0.0717	0.0708	0.0658	0.0992	0.0865
	%RSD	4.7892	6.6123	25.9837	35.2135	20.6464	4.3879	2.3915	2.3178
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	92.4%	6.4261	1.3313	1.3024	-0.3503	0.3493	0.4272	0.3706
2	21:45:26	93.4%	6.3077	1.2604	0.1658	0.5517	0.3558	0.4092	0.4135
3	21:46:25	92.8%	6.0037	1.7095	0.3055	-0.1242	0.4113	0.3500	0.3868
	x	92.9%	6.2458	1.4337	0.5912	0.0257	0.3721	0.3955	0.3903
	σ	0.5%	0.2178	0.2415	0.6199	0.4693	0.0341	0.0404	0.0217
	%RSD	0.5	3.4879	16.8414	104.8437	1823.0573	9.1610	10.2048	5.5515
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	92.6%	0.0011	0.0036	0.0009	0.0004	0.0010	92.7%	0.0555
2	21:45:26	92.1%	0.0048	0.0011	0.0032	0.0073	0.0010	94.1%	0.0415
3	21:46:25	91.8%	0.0011	0.0017	-0.0015	0.0027	0.0077	93.2%	0.0426
	x	92.1%	0.0024	0.0021	0.0009	0.0035	0.0032	93.4%	0.0465
	σ	0.4%	0.0021	0.0013	0.0023	0.0035	0.0038	0.7%	0.0078
	%RSD	0.5	89.7291	62.1104	264.8703	99.7281	119.0476	0.8	16.6595
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:27	0.0383	103.3189	104.0143	103.5667	93.6%	0.0010	-0.0072	0.0041
2	21:45:26	0.0497	102.5192	102.4696	103.7529	95.5%	-0.0005	-0.0013	0.0064
3	21:46:25	0.0476	103.2479	102.7183	104.1935	96.1%	-0.0019	-0.0036	0.0138
	x	0.0452	103.0286	103.0674	103.8377	95.1%	-0.0005	-0.0040	0.0081
	σ	0.0061	0.4427	0.8294	0.3219	1.3%	0.0014	0.0030	0.0051
	%RSD	13.4205	0.4296	0.8047	0.3100	1.3	312.5651	73.5173	62.9175
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:44:27	0.0044	0.0083	92.3%	0.4040				
2	21:45:26	0.0086	0.0050	95.5%	0.4152				
3	21:46:25	-0.0005	0.0097	96.5%	0.3975				
	x	0.0041	0.0077	94.8%	0.4056				
	σ	0.0046	0.0024	2.2%	0.0089				
	%RSD	110.3282	31.3185	2.3	2.2022				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:07	99.5%	19.4208	19.8381	19.5183	19.4425	15.8466	371.5762	19.8793
2	21:50:06	98.6%	18.6775	19.9433	18.8819	19.0216	15.7267	371.1353	19.5818
3	21:51:05	97.8%	18.8371	19.6769	18.6254	18.4753	15.5774	368.5216	19.2114
x		98.6%	18.9785	19.8195	19.0085	18.9798	15.7169	370.4110	19.5575
σ		0.9%	0.3913	0.1342	0.4597	0.4849	0.1349	1.6511	0.3346
%RSD		0.9	2.0618	0.6772	2.4183	2.5549	0.8581	0.4457	1.7108
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:07	20.3970	72.2587	19.7777	19.7179	19.8635	20.9508	22.8290	22.6438
2	21:50:06	19.6892	71.0102	19.0641	18.5992	18.8607	20.7157	23.2473	21.7135
3	21:51:05	20.2736	72.3011	18.9400	18.3316	18.6664	19.8744	23.4903	22.1563
x		20.1199	71.8566	19.2606	18.8829	19.1302	20.5136	23.1888	22.1712
σ		0.3781	0.7334	0.4521	0.7354	0.6424	0.5659	0.3345	0.4654
%RSD		1.8790	1.0206	2.3474	3.8946	3.3583	2.7587	1.4425	2.0990
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:07	94.1%	25.0890	20.0741	19.1472	19.4287	19.0985	19.3761	19.2237
2	21:50:06	93.2%	24.3150	21.4158	18.5724	19.2845	19.1274	19.1610	19.3321
3	21:51:05	93.0%	23.3411	21.9030	19.0954	18.0305	19.3124	19.5800	19.3098
x		93.5%	24.2484	21.1310	18.9383	18.9146	19.1794	19.3724	19.2885
σ		0.6%	0.8759	0.9472	0.3179	0.7690	0.1161	0.2095	0.0573
%RSD		0.6	3.6122	4.4823	1.6788	4.0658	0.6053	1.0814	0.2969
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:07	94.3%	18.3699	18.5490	19.0055	17.3110	18.0653	94.4%	18.7818
2	21:50:06	93.3%	18.2399	18.5138	18.8433	17.7544	18.2245	93.3%	19.2142
3	21:51:05	92.8%	18.2407	18.2435	18.6933	17.9976	18.0031	92.9%	19.2945
x		93.5%	18.2835	18.4354	18.8474	17.6877	18.0976	93.5%	19.0968
σ		0.7%	0.0748	0.1672	0.1562	0.3481	0.1142	0.8%	0.2758
%RSD		0.8	0.4092	0.9067	0.8285	1.9680	0.6308	0.8	1.4441
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:07	18.6764	115.1260	116.5808	118.0365	93.8%	18.4526	18.5595	18.4187
2	21:50:06	18.8444	117.6513	116.1021	118.4285	96.1%	18.5453	18.4548	18.4961
3	21:51:05	19.0154	116.0518	116.3204	118.8148	96.9%	18.6325	18.3722	18.2399
x		18.8454	116.2764	116.3344	118.4266	95.6%	18.5434	18.4621	18.3849
σ		0.1695	1.2775	0.2396	0.3891	1.6%	0.0900	0.0938	0.1314
%RSD		0.8994	1.0987	0.2060	0.3286	1.7	0.4853	0.5083	0.7147
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:49:07	18.1175	18.2662	94.7%	19.0252				
2	21:50:06	18.4200	18.4445	95.0%	19.5931				
3	21:51:05	18.1075	18.2261	97.3%	19.2554				
x		18.2150	18.3122	95.7%	19.2912				
σ		0.1776	0.1163	1.4%	0.2857				
%RSD		0.9753	0.6349	1.5	1.4808				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:43	102.4%	0.0027	0.0897	0.0694	0.0895	-1.8551	0.0299	-0.0020
2	21:55:42	102.7%	-0.0008	0.1001	-0.0390	0.0545	-1.7857	0.0431	0.0017
3	21:56:41	101.9%	0.0004	0.0998	0.0518	0.0261	-1.8955	0.0558	0.0042
x		102.3%	0.0008	0.0965	0.0274	0.0567	-1.8455	0.0430	0.0013
σ		0.5%	0.0018	0.0060	0.0582	0.0318	0.0555	0.0130	0.0031
%RSD		0.4	221.7882	6.1686	212.3018	56.0629	3.0082	30.1521	236.1570
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:43	-0.0104	0.1388	0.2474	0.1242	-0.0142	-0.0377	-0.2954	-0.0243
2	21:55:42	0.0003	0.2027	0.1868	0.0258	-0.0346	-0.0536	-0.3613	-0.0859
3	21:56:41	-0.0049	-1.5285	0.0860	0.0154	-0.0224	-0.0824	-0.3578	-0.0555
x		-0.0050	-0.3957	0.1734	0.0551	-0.0238	-0.0579	-0.3382	-0.0552
σ		0.0053	0.9816	0.0815	0.0600	0.0103	0.0227	0.0370	0.0308
%RSD		106.3859	248.0787	47.0279	108.9230	43.2279	39.1572	10.9558	55.7895
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:43	98.0%	0.0579	-0.2365	1.2527	0.1038	0.0446	0.0252	0.0394
2	21:55:42	97.9%	0.2294	-0.1867	0.5594	0.8478	0.0721	0.0636	0.0653
3	21:56:41	96.9%	0.1034	0.1310	0.2213	0.3535	0.0630	0.0787	0.0597
x		97.6%	0.1302	-0.0974	0.6778	0.4350	0.0599	0.0558	0.0548
σ		0.6%	0.0888	0.1993	0.5258	0.3786	0.0140	0.0276	0.0136
%RSD		0.6	68.2196	204.6593	77.5702	87.0396	23.3784	49.4651	24.8490
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:43	97.6%	0.0022	0.0028	0.0008	-0.0007	-0.0009	95.2%	0.0030
2	21:55:42	99.0%	0.0021	0.0034	0.0008	0.0069	0.0027	98.1%	0.0022
3	21:56:41	98.8%	0.0062	0.0093	0.0008	0.0015	0.0018	97.7%	0.0082
x		98.5%	0.0035	0.0052	0.0008	0.0025	0.0012	97.0%	0.0045
σ		0.8%	0.0023	0.0036	0.0000	0.0039	0.0019	1.6%	0.0033
%RSD		0.8	66.1155	69.6153	3.8994	153.4568	153.7787	1.6	72.9354
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:43	0.0024	0.0090	0.0061	0.0032	93.4%	-0.0041	-0.0054	0.0006
2	21:55:42	0.0039	-0.0095	0.0032	0.0050	96.6%	-0.0003	-0.0027	-0.0018
3	21:56:41	0.0056	0.0042	0.0188	0.0079	97.7%	-0.0044	-0.0032	-0.0042
x		0.0040	0.0012	0.0094	0.0053	95.9%	-0.0029	-0.0038	-0.0018
σ		0.0016	0.0096	0.0083	0.0024	2.2%	0.0023	0.0014	0.0024
%RSD		40.4975	772.2596	88.3244	44.3409	2.3	78.7014	38.1043	130.5624
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	21:54:43	-0.0019	0.0001	92.4%	-0.0025				
2	21:55:42	-0.0043	-0.0004	95.5%	0.0010				
3	21:56:41	-0.0019	-0.0009	96.9%	0.0008				
x		-0.0027	-0.0004	94.9%	-0.0002				
σ		0.0014	0.0005	2.3%	0.0020				
%RSD		52.0649	134.1880	2.5	865.1795				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	21:59:17	96.7%	25.2370	24.6574	24.5898	24.9193	24.1081	24.7494	24.9765
2	22:00:15	96.8%	24.4383	24.6652	24.4776	24.8308	23.0243	25.0468	24.5540
3	22:01:14	97.4%	24.0321	24.2408	24.4730	24.2937	21.8822	24.6321	24.3186
x		96.9%	24.5691	24.5211	24.5135	24.6813	23.0049	24.8094	24.6164
σ		0.4%	0.6130	0.2428	0.0661	0.3385	1.1131	0.2137	0.3334
%RSD		0.4	2.4951	0.9901	0.2697	1.3717	4.8386	0.8615	1.3542
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	21:59:17	25.0401	26.1679	25.7220	25.8674	25.5602	24.7605	24.5564	24.3687
2	22:00:15	24.5657	24.6375	24.9948	24.6501	25.5550	24.5675	25.0529	24.0868
3	22:01:14	24.3933	24.1762	24.5228	24.6479	24.5859	24.2093	25.0657	24.5225
x		24.6663	24.9938	25.0799	25.0551	25.2337	24.5124	24.8917	24.3260
σ		0.3350	1.0426	0.6041	0.7035	0.5610	0.2797	0.2904	0.2210
%RSD		1.3580	4.1713	2.4086	2.8077	2.2233	1.1410	1.1667	0.9084
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	21:59:17	94.4%	24.3210	25.6089	26.2759	25.3938	23.9950	23.9745	23.8158
2	22:00:15	95.9%	23.9975	23.7497	23.5298	25.1103	24.7268	24.1886	24.3950
3	22:01:14	95.6%	24.0434	24.6700	25.4010	24.9592	24.3537	24.7969	24.3286
x		95.3%	24.1206	24.6762	25.0689	25.1544	24.3585	24.3200	24.1798
σ		0.8%	0.1751	0.9296	1.4029	0.2206	0.3659	0.4267	0.3170
%RSD		0.8	0.7258	3.7673	5.5960	0.8771	1.5022	1.7545	1.3108
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	21:59:17	97.6%	24.3885	24.6528	24.2658	24.6836	24.6143	94.0%	24.6632
2	22:00:15	96.6%	24.6170	24.4735	24.3752	23.8760	24.2522	96.9%	24.4431
3	22:01:14	95.2%	24.7418	25.0752	24.5930	24.4454	24.5203	96.8%	24.5956
x		96.5%	24.5824	24.7338	24.4113	24.3350	24.4622	95.9%	24.5673
σ		1.2%	0.1792	0.3089	0.1666	0.4149	0.1879	1.7%	0.1128
%RSD		1.2	0.7289	1.2491	0.6824	1.7051	0.7682	1.7	0.4590
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	21:59:17	24.4768	24.0224	24.7460	24.9162	94.2%	24.2756	24.2124	24.5218
2	22:00:15	23.7584	24.1240	24.4240	24.3650	96.5%	24.5182	24.2132	24.4268
3	22:01:14	24.4021	23.7978	24.2817	24.5188	97.8%	24.3473	24.3043	24.8043
x		24.2124	23.9814	24.4839	24.6000	96.2%	24.3804	24.2433	24.5843
σ		0.3950	0.1669	0.2379	0.2844	1.8%	0.1246	0.0528	0.1964
%RSD		1.6314	0.6961	0.9716	1.1562	1.9	0.5110	0.2179	0.7987
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	21:59:17	24.2590	24.3684	94.5%	24.2681				
2	22:00:15	24.1811	24.2436	97.5%	24.1994				
3	22:01:14	24.4041	24.5962	97.8%	24.4331				
x		24.2814	24.4027	96.6%	24.3002				
σ		0.1132	0.1788	1.8%	0.1201				
%RSD		0.4661	0.7326	1.9	0.4943				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:02	94.7%	-0.0020	-0.0827	-0.0029	0.0331	-1.6633	0.0079	0.0162
2	22:11:01	95.2%	0.0005	-0.1166	-0.0190	-0.0151	-1.5723	0.0153	-0.0035
3	22:12:00	97.4%	-0.0057	-0.0999	-0.2773	0.0070	-1.3649	0.0133	0.0020
x		95.8%	-0.0024	-0.0997	-0.0997	0.0083	-1.5335	0.0122	0.0049
σ		1.4%	0.0031	0.0170	0.1540	0.0241	0.1529	0.0038	0.0101
%RSD		1.5	129.2227	16.9947	154.4021	290.1391	9.9727	31.1764	206.5670
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:02	-0.0125	2.3425	0.2266	0.0995	0.0112	-0.0655	-0.5328	-0.0789
2	22:11:01	0.0042	0.4868	0.1410	0.0657	-0.0192	-0.0636	-0.2405	-0.0349
3	22:12:00	-0.0099	-0.4016	0.0837	0.0227	-0.0216	-0.0301	-0.3965	-0.0539
x		-0.0061	0.8092	0.1504	0.0626	-0.0099	-0.0531	-0.3900	-0.0559
σ		0.0090	1.4002	0.0719	0.0385	0.0183	0.0199	0.1463	0.0221
%RSD		148.6710	173.0300	47.8069	61.4754	184.9186	37.5266	37.5066	39.5174
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:02	91.9%	0.2023	-0.0799	0.9734	0.6315	0.0274	0.0236	0.0185
2	22:11:01	93.3%	0.0022	-0.2564	0.1878	-0.1582	0.0268	0.0387	0.0325
3	22:12:00	93.2%	0.0448	-0.2553	-0.1216	-0.1589	0.0269	0.0388	0.0338
x		92.8%	0.0831	-0.1972	0.3465	0.1048	0.0270	0.0337	0.0283
σ		0.8%	0.1054	0.1016	0.5645	0.4561	0.0003	0.0087	0.0085
%RSD		0.9	126.8617	51.5167	162.8975	435.2163	1.1993	25.9308	30.0959
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:02	92.0%	0.0018	0.0017	-0.0015	0.0016	0.0010	91.5%	0.0031
2	22:11:01	94.1%	0.0017	0.0048	-0.0015	0.0004	-0.0009	93.3%	0.0010
3	22:12:00	93.9%	0.0029	0.0036	-0.0015	0.0004	0.0001	93.2%	0.0030
x		93.3%	0.0021	0.0034	-0.0015	0.0008	0.0001	92.7%	0.0024
σ		1.2%	0.0007	0.0015	0.0000	0.0007	0.0010	1.0%	0.0012
%RSD		1.3	32.0985	46.1610	0.0000	82.7748	1281.6187	1.1	51.7387
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:10:02	-0.0010	-0.0189	0.0051	-0.0038	91.0%	-0.0044	-0.0031	0.0015
2	22:11:01	-0.0010	-0.0086	0.0083	-0.0046	95.1%	-0.0050	-0.0028	-0.0008
3	22:12:00	-0.0002	-0.0122	0.0062	-0.0007	96.2%	-0.0030	-0.0068	0.0003
x		-0.0007	-0.0132	0.0065	-0.0030	94.1%	-0.0041	-0.0042	0.0003
σ		0.0005	0.0052	0.0016	0.0020	2.7%	0.0010	0.0022	0.0011
%RSD		67.8118	39.6075	25.0416	66.9733	2.9	25.2383	53.2230	346.5289
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:10:02	0.0062	0.0034	90.6%	-0.0024				
2	22:11:01	0.0037	0.0025	94.8%	0.0001				
3	22:12:00	0.0001	0.0006	96.1%	0.0009				
x		0.0033	0.0022	93.8%	-0.0005				
σ		0.0031	0.0014	2.9%	0.0017				
%RSD		92.6437	66.0589	3.1	371.3778				

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	27Al ppb	51V ppb	52Cr ppb	53Cr ppb	55Mn ppb	59Co ppb
1	22:14:41	95.7%	19.7816	19.4034	19.4156	19.3930	17.2592	19.7922	19.9500
2	22:15:40	95.3%	19.4128	19.4332	19.1928	19.2302	16.8103	19.5199	19.3374
3	22:16:37	94.6%	19.5671	19.6818	19.2420	19.2323	17.0811	19.6005	19.4402
x		95.2%	19.5872	19.5061	19.2835	19.2852	17.0502	19.6376	19.5759
σ		0.6%	0.1852	0.1529	0.1171	0.0934	0.2260	0.1399	0.3280
%RSD		0.6	0.9457	0.7837	0.6071	0.4842	1.3258	0.7124	1.6757
Run	Time	60Ni ppb	61Ni ppb	62Ni ppb	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb
1	22:14:41	19.8781	21.6746	19.9997	20.6061	20.2342	20.1093	20.5492	19.7494
2	22:15:40	19.5138	20.6481	19.4689	19.4349	19.1383	20.0496	19.5947	19.6443
3	22:16:37	19.5560	22.2941	19.8746	20.0885	19.7914	20.2467	20.0883	19.6517
x		19.6493	21.5389	19.7810	20.0432	19.7213	20.1352	20.0774	19.6818
σ		0.1993	0.8314	0.2775	0.5869	0.5513	0.1011	0.4773	0.0587
%RSD		1.0141	3.8598	1.4029	2.9281	2.7956	0.5021	2.3775	0.2980
Run	Time	71Ga ppb	75As ppb	77Se ppb	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb
1	22:14:41	91.8%	19.3677	21.1426	19.2765	20.1745	18.8360	19.2962	19.0065
2	22:15:40	93.3%	18.5172	18.3104	19.5152	18.6976	19.4482	19.6121	19.4760
3	22:16:37	92.4%	18.6240	19.9200	19.2079	19.3958	19.2786	19.9862	19.2108
x		92.5%	18.8363	19.7910	19.3332	19.4226	19.1876	19.6315	19.2311
σ		0.7%	0.4633	1.4205	0.1613	0.7388	0.3161	0.3454	0.2354
%RSD		0.8	2.4596	7.1775	0.8344	3.8040	1.6473	1.7595	1.2240
Run	Time	103Rh ppb	107Ag ppb	109Ag ppb	111Cd ppb	112Cd ppb	114Cd ppb	115In ppb	121Sb ppb
1	22:14:41	94.6%	19.1710	19.6294	19.0046	18.2298	18.7013	91.5%	19.4509
2	22:15:40	93.5%	19.6246	19.7399	19.0201	18.4903	18.6436	94.7%	19.4884
3	22:16:37	93.8%	19.5894	19.5953	19.6996	18.3640	19.1383	93.8%	19.9322
x		94.0%	19.4617	19.6549	19.2414	18.3614	18.8277	93.3%	19.6238
σ		0.5%	0.2524	0.0756	0.3968	0.1303	0.2705	1.6%	0.2677
%RSD		0.6	1.2967	0.3846	2.0623	0.7094	1.4368	1.7	1.3644
Run	Time	123Sb ppb	135Ba ppb	137Ba ppb	138Ba ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb
1	22:14:41	19.2569	19.6540	19.6321	19.5285	93.1%	19.2914	19.1716	19.2638
2	22:15:40	19.1343	19.2902	18.9545	19.1725	95.9%	19.2143	19.1778	19.4156
3	22:16:37	19.5589	19.2284	19.6608	19.5421	96.6%	19.3179	19.2917	19.5555
x		19.3167	19.3909	19.4158	19.4144	95.2%	19.2745	19.2137	19.4117
σ		0.2185	0.2300	0.3997	0.2096	1.9%	0.0538	0.0676	0.1459
%RSD		1.1311	1.1860	2.0588	1.0795	2.0	0.2791	0.3520	0.7515
Run	Time	207Pb ppb	208Pb ppb	232Th ppb	238U ppb				
1	22:14:41	19.3814	19.3195	92.9%	19.4348				
2	22:15:40	19.5446	19.4423	96.3%	19.5796				
3	22:16:37	19.3547	19.6048	96.4%	19.5594				
x		19.4269	19.4556	95.2%	19.5246				
σ		0.1028	0.1431	2.0%	0.0784				
%RSD		0.5292	0.7355	2.1	0.4017				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:21	95.5%	0.0110	16.5507	-0.1005	0.2187	-0.4559	112.3028	0.2913
2	22:21:20	97.0%	0.0084	16.2853	-0.0195	0.2142	-0.9149	109.5589	0.2696
3	22:22:19	95.8%	0.0046	15.9968	-0.0127	0.1958	-1.1729	111.7714	0.2492
x		96.1%	0.0080	16.2776	-0.0442	0.2096	-0.8479	111.2110	0.2700
σ		0.8%	0.0032	0.2771	0.0488	0.0122	0.3632	1.4553	0.0210
%RSD		0.8	40.3588	1.7021	110.4119	5.7987	42.8333	1.3086	7.7929
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:21	1.2465	23.6411	0.7414	5.7830	5.8709	29.2658	28.2886	28.1364
2	22:21:20	0.9974	19.2538	0.7481	5.3733	5.6587	28.3577	26.1248	27.5955
3	22:22:19	0.9664	14.7747	0.6942	5.4712	5.7689	28.9408	28.1540	27.5730
x		1.0701	19.2232	0.7279	5.5425	5.7662	28.8548	27.5225	27.7683
σ		0.1536	4.4333	0.0294	0.2139	0.1061	0.4601	1.2123	0.3190
%RSD		14.3502	23.0621	4.0388	3.8598	1.8405	1.5945	4.4047	1.1487
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:21	92.0%	0.1798	0.9535	1.1648	0.3651	0.2187	0.2222	0.1918
2	22:21:20	93.5%	0.3695	0.4958	0.3402	0.6219	0.2302	0.1825	0.2141
3	22:22:19	92.5%	0.1524	1.3917	0.5204	0.6310	0.1924	0.1750	0.2019
x		92.7%	0.2339	0.9470	0.6751	0.5393	0.2138	0.1932	0.2026
σ		0.7%	0.1182	0.4480	0.4336	0.1510	0.0194	0.0254	0.0111
%RSD		0.8	50.5512	47.3111	64.2185	27.9917	9.0773	13.1268	5.4971
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:21	93.5%	0.0042	0.0086	0.0475	0.0473	0.0523	93.1%	0.1724
2	22:21:20	94.2%	0.0108	0.0092	0.0404	0.0484	0.0514	92.9%	0.1876
3	22:22:19	91.2%	0.0024	0.0093	0.0714	0.0511	0.0477	93.1%	0.2014
x		93.0%	0.0058	0.0090	0.0531	0.0489	0.0505	93.1%	0.1871
σ		1.6%	0.0044	0.0004	0.0162	0.0019	0.0025	0.1%	0.0145
%RSD		1.7	76.6453	4.3507	30.5364	3.9183	4.9062	0.1	7.7537
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:21	0.1856	4.2739	4.2525	4.3909	93.2%	-0.0022	-0.0000	0.1274
2	22:21:20	0.1758	4.3964	4.4748	4.4249	95.2%	-0.0021	-0.0028	0.1107
3	22:22:19	0.1948	4.1670	4.3517	4.4524	97.5%	0.0065	-0.0039	0.1145
x		0.1854	4.2791	4.3596	4.4227	95.3%	0.0007	-0.0022	0.1175
σ		0.0095	0.1148	0.1113	0.0308	2.1%	0.0050	0.0020	0.0087
%RSD		5.1399	2.6821	2.5540	0.6970	2.3	675.8166	89.3795	7.4294
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:20:21	0.1425	0.1363	93.1%	0.3160				
2	22:21:20	0.1275	0.1263	96.0%	0.3005				
3	22:22:19	0.1290	0.1257	97.6%	0.3149				
x		0.1330	0.1294	95.6%	0.3104				
σ		0.0083	0.0059	2.3%	0.0087				
%RSD		6.2135	4.5771	2.4	2.7908				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:54	97.2%	0.0067	15.6493	-0.0871	0.2156	-1.0380	112.8113	0.3015
2	22:25:53	96.6%	0.0028	15.8547	0.0338	0.2217	-1.3140	113.4290	0.2477
3	22:26:50	96.5%	0.0038	15.8786	0.0515	0.2107	-1.5749	111.7651	0.2717
x		96.8%	0.0044	15.7942	-0.0006	0.2160	-1.3089	112.6685	0.2737
σ		0.4%	0.0021	0.1260	0.0754	0.0055	0.2685	0.8411	0.0269
%RSD		0.4	46.5461	0.7980	12210.8820	2.5595	20.5108	0.7465	9.8474
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:54	1.1205	21.8239	0.9351	5.8534	5.8655	28.9112	26.3590	28.2042
2	22:25:53	1.0056	20.3057	0.6617	5.4951	5.5891	27.9728	26.2977	28.1806
3	22:26:50	0.8207	14.4034	0.5455	5.3245	5.5179	27.8131	27.3911	27.7339
x		0.9823	18.8443	0.7141	5.5576	5.6575	28.2324	26.6826	28.0396
σ		0.1513	3.9202	0.2000	0.2699	0.1836	0.5933	0.6144	0.2650
%RSD		15.3984	20.8030	28.0073	4.8571	3.2455	2.1015	2.3025	0.9451
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:54	92.6%	0.1966	0.7793	0.8000	0.1764	0.1292	0.1803	0.1631
2	22:25:53	93.6%	0.1448	0.7136	0.9230	0.2882	0.1513	0.1969	0.1640
3	22:26:50	93.6%	0.3785	0.7710	0.2880	0.5509	0.1867	0.1767	0.1781
x		93.3%	0.2400	0.7546	0.6703	0.3385	0.1557	0.1846	0.1684
σ		0.6%	0.1227	0.0358	0.3367	0.1922	0.0290	0.0108	0.0084
%RSD		0.6	51.1337	4.7421	50.2339	56.7839	18.6394	5.8461	4.9948
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:54	93.9%	0.0042	0.0054	0.0522	0.0498	0.0554	92.6%	0.1625
2	22:25:53	93.1%	0.0048	0.0011	0.0500	0.0544	0.0745	92.7%	0.1889
3	22:26:50	91.9%	0.0067	0.0023	0.0660	0.0539	0.0490	94.2%	0.1759
x		93.0%	0.0052	0.0029	0.0561	0.0527	0.0596	93.2%	0.1758
σ		1.0%	0.0013	0.0023	0.0086	0.0026	0.0132	0.9%	0.0132
%RSD		1.1	25.0015	76.7367	15.4119	4.8566	22.2176	1.0	7.5181
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:54	0.1791	4.4715	4.6439	4.4396	94.4%	0.0012	-0.0028	0.1248
2	22:25:53	0.1511	4.5506	4.3662	4.4113	97.7%	-0.0054	-0.0029	0.1313
3	22:26:50	0.1954	4.2896	4.3972	4.4419	97.5%	-0.0011	-0.0064	0.1176
x		0.1752	4.4372	4.4691	4.4309	96.5%	-0.0018	-0.0040	0.1246
σ		0.0224	0.1338	0.1522	0.0171	1.8%	0.0034	0.0020	0.0069
%RSD		12.7770	3.0162	3.4048	0.3848	1.9	189.0737	50.0919	5.5031
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:24:54	0.1492	0.1357	95.6%	0.3088				
2	22:25:53	0.1399	0.1319	96.2%	0.3199				
3	22:26:50	0.1397	0.1308	97.8%	0.3155				
x		0.1429	0.1328	96.6%	0.3147				
σ		0.0054	0.0026	1.1%	0.0056				
%RSD		3.7786	1.9467	1.2	1.7708				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:27	101.8%	0.0063	3.2951	0.1114	0.0699	-2.4683	22.3326	0.0625
2	22:30:26	102.2%	-0.0026	2.9814	0.0142	0.0346	-2.4401	22.2021	0.0493
3	22:31:23	102.7%	0.0075	3.1968	0.1040	0.0373	-2.5766	22.1352	0.0547
x		102.3%	0.0037	3.1578	0.0765	0.0473	-2.4950	22.2233	0.0555
σ		0.5%	0.0056	0.1604	0.0541	0.0196	0.0721	0.1004	0.0067
%RSD		0.4	148.5565	5.0805	70.7426	41.5586	2.8891	0.4516	12.0164
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:27	0.2575	3.9737	0.3107	1.2381	1.1230	5.8729	5.4535	5.8963
2	22:30:26	0.1855	3.1309	0.1833	1.1322	1.1109	5.9696	5.3083	5.6219
3	22:31:23	0.1756	3.2381	0.1925	1.0982	1.0618	6.0689	5.1865	5.5819
x		0.2062	3.4476	0.2288	1.1562	1.0986	5.9705	5.3161	5.7001
σ		0.0447	0.4588	0.0710	0.0730	0.0324	0.0980	0.1336	0.1712
%RSD		21.6738	13.3078	31.0443	6.3109	2.9502	1.6411	2.5139	3.0029
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:27	98.7%	-0.0193	0.1092	0.5580	0.0344	0.0340	0.0242	0.0336
2	22:30:26	100.3%	0.2687	-0.5048	0.1988	0.4171	0.0380	0.0480	0.0464
3	22:31:23	99.9%	0.0764	-0.2025	0.2871	-0.0689	0.0467	0.0358	0.0403
x		99.6%	0.1086	-0.1994	0.3480	0.1275	0.0396	0.0360	0.0401
σ		0.9%	0.1467	0.3070	0.1872	0.2560	0.0065	0.0119	0.0064
%RSD		0.9	135.0972	153.9924	53.7903	200.7476	16.4193	33.0394	16.0307
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:27	101.7%	0.0015	0.0027	0.0094	0.0110	0.0133	99.7%	0.0335
2	22:30:26	100.0%	0.0044	0.0016	0.0072	0.0121	0.0106	100.0%	0.0411
3	22:31:23	101.5%	-0.0002	-0.0002	0.0115	0.0099	0.0142	99.7%	0.0385
x		101.0%	0.0019	0.0014	0.0094	0.0110	0.0127	99.8%	0.0377
σ		0.9%	0.0023	0.0015	0.0022	0.0011	0.0019	0.1%	0.0039
%RSD		0.9	122.1826	107.7554	22.9443	9.7717	14.5792	0.1	10.2908
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:27	0.0365	0.9514	0.7884	0.9040	97.7%	-0.0074	-0.0048	0.0246
2	22:30:26	0.0314	0.7998	0.8305	0.8773	100.5%	-0.0036	-0.0087	0.0274
3	22:31:23	0.0354	0.8998	0.8773	0.9028	102.3%	-0.0054	-0.0047	0.0280
x		0.0344	0.8837	0.8321	0.8947	100.2%	-0.0055	-0.0061	0.0267
σ		0.0027	0.0771	0.0445	0.0151	2.3%	0.0019	0.0023	0.0018
%RSD		7.8050	8.7235	5.3441	1.6859	2.3	35.1234	37.8596	6.6810
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:29:27	0.0216	0.0259	97.3%	0.0544				
2	22:30:26	0.0198	0.0227	100.3%	0.0626				
3	22:31:23	0.0234	0.0289	101.2%	0.0662				
x		0.0216	0.0258	99.6%	0.0611				
σ		0.0018	0.0031	2.1%	0.0061				
%RSD		8.4099	11.9240	2.1	9.9768				

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User Pre-dilution: 1.000

Run	Time	6Li	98e	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:59	98.2%	20.0319	34.5155	19.2456	19.4053	17.9424	129.2694	19.9259
2	22:34:58	95.2%	19.7661	34.8683	19.3111	19.5853	16.6456	129.1673	19.2566
3	22:35:57	96.0%	19.1275	34.5450	19.4740	19.5124	17.1657	129.4444	19.3385
X		96.5%	19.6418	34.6429	19.3436	19.5010	17.2512	129.2937	19.5070
σ		1.6%	0.4648	0.1957	0.1176	0.0905	0.6526	0.1401	0.3651
%RSD		1.6	2.3666	0.5650	0.6077	0.4642	3.7832	0.1084	1.8715
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:59	21.0754	44.0095	20.6944	25.0457	24.7975	48.7693	47.0267	47.4634
2	22:34:58	20.0188	37.2719	19.7768	24.6661	24.7819	48.5334	45.0519	46.6882
3	22:35:57	20.6409	39.3574	19.9352	24.4776	24.6337	48.1563	46.8006	46.3557
X		20.5784	40.2129	20.1355	24.7298	24.7377	48.4863	46.2930	46.8358
σ		0.5311	3.4493	0.4905	0.2893	0.0904	0.3092	1.0808	0.5684
%RSD		2.5807	8.5776	2.4358	1.1700	0.3654	0.6377	2.3347	1.2136
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:59	94.9%	19.5999	21.0181	18.9734	20.0595	19.3832	20.0264	19.7261
2	22:34:58	94.7%	19.3835	20.0349	20.3280	20.0384	19.4931	19.8256	19.3836
3	22:35:57	92.6%	19.4378	20.1362	19.9381	21.7886	19.7505	20.1385	19.5286
X		94.1%	19.4737	20.3964	19.7465	20.6288	19.5422	19.9969	19.5461
σ		1.3%	0.1126	0.5408	0.6973	1.0044	0.1885	0.1585	0.1719
%RSD		1.4	0.5783	2.6514	3.5313	4.8690	0.9648	0.7926	0.8794
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:59	93.8%	9.5557	9.8184	19.0960	19.4870	19.2271	95.1%	20.1139
2	22:34:58	93.9%	9.4435	9.4331	19.7122	18.9756	19.1341	95.5%	20.1092
3	22:35:57	93.1%	9.5576	9.5573	18.9565	19.4336	19.5344	94.8%	20.2829
X		93.6%	9.5190	9.6029	19.2549	19.2987	19.2985	95.1%	20.1687
σ		0.5%	0.0654	0.1967	0.4021	0.2811	0.2095	0.3%	0.0990
%RSD		0.5	0.6866	2.0481	2.0884	1.4567	1.0855	0.3	0.4906
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:33:59	19.7634	23.7488	23.6255	23.6716	96.8%	19.0626	18.9852	19.2559
2	22:34:58	19.7285	23.4546	23.5371	23.5452	97.1%	18.9246	19.0205	19.1864
3	22:35:57	19.7125	23.8023	23.4527	23.7735	98.3%	18.9417	18.9660	19.4070
X		19.7348	23.6686	23.5384	23.6634	97.4%	18.9763	18.9906	19.2831
σ		0.0261	0.1872	0.0864	0.1144	0.8%	0.0753	0.0276	0.1128
%RSD		0.1320	0.7911	0.3672	0.4834	0.8	0.3965	0.1454	0.5848
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:33:59	19.0388	19.1578	96.2%	19.5368				
2	22:34:58	19.3185	19.1824	99.3%	19.2335				
3	22:35:57	19.4113	19.4014	97.8%	19.7487				
X		19.2562	19.2472	97.7%	19.5063				
σ		0.1939	0.1341	1.6%	0.2590				
%RSD		1.0070	0.6966	1.6	1.3277				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:37	97.1%	20.7240	36.4433	20.4410	20.3645	17.3176	132.5193	20.3782
2	22:40:36	95.6%	19.3846	34.8169	19.0986	19.5584	17.2834	131.2008	19.8915
3	22:41:35	94.9%	19.3672	34.9109	19.4014	19.1405	16.2914	129.7961	19.2446
x		95.9%	19.8253	35.3904	19.6470	19.6878	16.9641	131.1721	19.8381
σ		1.1%	0.7783	0.9130	0.7041	0.6222	0.5828	1.3618	0.5687
%RSD		1.2	3.9260	2.5799	3.5837	3.1603	3.4357	1.0382	2.8666
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:37	21.1234	46.1227	20.4072	25.9101	25.4701	49.0302	47.2886	48.4279
2	22:40:36	21.0711	39.2648	19.7563	25.1517	24.9169	48.2455	45.6561	47.7824
3	22:41:35	19.7444	33.4258	19.6790	24.1711	24.6174	47.2961	46.4384	46.3509
x		20.6463	39.6045	19.9475	25.0776	25.0015	48.1906	46.4610	47.5204
σ		0.7815	6.3552	0.4000	0.8718	0.4326	0.8683	0.8165	1.0630
%RSD		3.7853	16.0468	2.0052	3.4765	1.7303	1.8019	1.7573	2.2369
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:37	93.3%	19.8198	20.4232	22.5853	19.9134	20.0155	20.6144	19.8756
2	22:40:36	92.8%	19.5092	22.1838	20.6059	20.4947	20.0285	19.5591	20.0703
3	22:41:35	93.4%	19.8268	20.5087	19.1550	21.2471	20.1681	20.1535	20.0497
x		93.2%	19.7186	21.0386	20.7821	20.5517	20.0707	20.1090	19.9985
σ		0.3%	0.1814	0.9927	1.7219	0.6687	0.0846	0.5290	0.1070
%RSD		0.3	0.9197	4.7187	8.2857	3.2537	0.4215	2.6309	0.5349
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:37	92.3%	19.3222	19.2053	19.6866	18.4715	18.9392	93.5%	19.7739
2	22:40:36	92.3%	19.2759	19.0284	19.5572	18.2584	19.4028	92.9%	20.1457
3	22:41:35	89.9%	19.1963	19.2268	19.9128	18.6762	19.1583	92.9%	20.3595
x		91.5%	19.2648	19.1535	19.7189	18.4687	19.1668	93.1%	20.0930
σ		1.4%	0.0637	0.1089	0.1800	0.2089	0.2319	0.3%	0.2963
%RSD		1.5	0.3305	0.5684	0.9126	1.1313	1.2098	0.4	1.4749
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:39:37	19.6386	23.6819	24.1622	24.1745	93.3%	19.2409	19.1840	19.1318
2	22:40:36	19.8805	23.7955	23.8006	24.0095	96.3%	19.0938	18.9646	19.3205
3	22:41:35	20.0420	25.0931	24.6836	24.3672	96.4%	19.3503	19.2166	19.2979
x		19.8537	24.1901	24.2155	24.1838	95.4%	19.2283	19.1217	19.2501
σ		0.2030	0.7840	0.4439	0.1790	1.8%	0.1287	0.1371	0.1031
%RSD		1.0226	3.2411	1.8333	0.7401	1.8	0.6695	0.7167	0.5354
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:39:37	19.5335	19.3431	94.4%	19.5712				
2	22:40:36	19.0211	19.2165	96.5%	19.8289				
3	22:41:35	19.4061	19.4132	97.3%	20.0100				
x		19.3202	19.3242	96.1%	19.8034				
σ		0.2668	0.0997	1.5%	0.2205				
%RSD		1.3807	0.5158	1.6	1.1133				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:16	99.8%	0.0085	60.4957	1.6349	0.9331	-3.0187	12.7386	1.1422
2	22:46:15	95.2%	0.0079	62.0046	1.5210	0.7941	-3.0456	13.0130	1.0690
3	22:47:14	96.9%	0.0084	61.1421	1.6056	0.7663	-3.5049	12.6599	1.0483
X		97.3%	0.0083	61.2141	1.5872	0.8312	-3.1897	12.8038	1.0865
σ		2.3%	0.0003	0.7570	0.0591	0.0894	0.2733	0.1854	0.0493
%RSD		2.4	3.9783	1.2366	3.7258	10.7560	8.5682	1.4478	4.5402
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:16	5.4427	209.1678	1.6945	5.6652	6.2255	1.4986	3.7042	3.6816
2	22:46:15	4.6609	177.2999	1.6186	5.3288	5.9044	1.6219	3.6454	3.2664
3	22:47:14	4.3764	170.3750	1.7564	5.2423	5.6990	1.6629	3.2513	3.5110
X		4.8267	185.6142	1.6899	5.4121	5.9430	1.5945	3.5336	3.4863
σ		0.5522	20.6897	0.0690	0.2234	0.2654	0.0855	0.2463	0.2087
%RSD		11.4398	11.1466	4.0844	4.1283	4.4656	5.3626	6.9697	5.9857
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:16	93.6%	0.4761	6.1044	1.3462	0.2509	2.3379	2.2709	2.3017
2	22:46:15	92.5%	1.0744	4.1748	1.0096	1.0082	2.3265	2.2356	2.2688
3	22:47:14	93.0%	0.7071	5.2388	0.5081	1.0806	2.2993	2.3148	2.4275
X		93.0%	0.7525	5.1727	0.9546	0.7799	2.3212	2.2737	2.3326
σ		0.6%	0.3017	0.9665	0.4217	0.4596	0.0198	0.0397	0.0837
%RSD		0.6	40.0944	18.6843	44.1800	58.9222	0.8541	1.7452	3.5897
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:16	92.8%	0.0116	0.0118	0.0174	0.0166	0.0222	92.0%	0.2902
2	22:46:15	91.5%	0.0147	0.0112	0.0173	0.0234	0.0105	93.1%	0.3121
3	22:47:14	91.2%	0.0174	0.0062	0.0080	0.0238	0.0155	91.6%	0.2850
X		91.8%	0.0146	0.0097	0.0142	0.0213	0.0161	92.3%	0.2958
σ		0.8%	0.0029	0.0031	0.0054	0.0040	0.0058	0.8%	0.0144
%RSD		0.9	19.8470	31.6547	37.6949	18.9235	36.3050	0.9	4.8625
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:16	0.2498	88.7174	89.5840	90.8355	93.6%	0.0131	0.0030	0.0421
2	22:46:15	0.2517	88.7021	89.1294	89.4610	95.8%	0.0046	0.0079	0.0390
3	22:47:14	0.2746	91.3101	89.6488	91.2950	96.3%	0.0059	0.0029	0.0445
X		0.2587	89.5765	89.4541	90.5305	95.2%	0.0078	0.0046	0.0418
σ		0.0138	1.5013	0.2830	0.9543	1.4%	0.0046	0.0028	0.0028
%RSD		5.3415	1.6760	0.3164	1.0541	1.5	58.9346	61.2599	6.5981
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:45:16	0.0531	0.0439	92.8%	2.4159				
2	22:46:15	0.0525	0.0479	94.8%	2.4268				
3	22:47:14	0.0380	0.0433	95.7%	2.4212				
X		0.0478	0.0450	94.4%	2.4213				
σ		0.0085	0.0025	1.5%	0.0055				
%RSD		17.8676	5.5083	1.6	0.2251				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:52	88.7%	0.0181	54.6674	22.8436	3.5985	0.0061	1344.1837	2.0114
2	22:50:51	90.4%	0.0207	54.4073	22.9797	3.5212	0.2329	1352.9916	1.9995
3	22:51:48	90.6%	0.0144	54.5878	22.2622	3.4317	-0.0403	1350.3112	1.9102
x		89.9%	0.0177	54.5542	22.6952	3.5171	0.0662	1349.1622	1.9737
σ		1.1%	0.0031	0.1333	0.3811	0.0834	0.1462	4.5150	0.0553
%RSD		1.2	17.7191	0.2443	1.6791	2.3725	220.7271	0.3347	2.8017
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:52	3.2069	107.4693	6.6662	0.7372	0.7744	0.8815	4.5538	3.2611
2	22:50:51	2.9590	97.4172	6.8107	0.7163	0.6839	0.8472	4.6869	3.3980
3	22:51:48	2.9490	97.2087	6.9341	0.6214	0.6586	0.8300	4.7230	3.4622
x		3.0383	100.6984	6.8037	0.6916	0.7056	0.8529	4.6546	3.3738
σ		0.1461	5.8647	0.1341	0.0617	0.0608	0.0262	0.0891	0.1027
%RSD		4.8087	5.8240	1.9709	8.9223	8.6225	3.0762	1.9143	3.0443
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:52	86.7%	0.9373	3.2572	2.1318	0.8712	0.3898	0.3930	0.3918
2	22:50:51	87.8%	1.3279	2.5518	1.1728	1.0548	0.4098	0.4280	0.3962
3	22:51:48	90.7%	1.3021	2.3520	0.9335	1.3494	0.4328	0.4503	0.4435
x		88.4%	1.1891	2.7203	1.4127	1.0918	0.4108	0.4238	0.4105
σ		2.1%	0.2184	0.4756	0.6342	0.2413	0.0215	0.0289	0.0286
%RSD		2.3	18.3694	17.4824	44.8914	22.0972	5.2443	6.8081	6.9762
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:52	83.6%	0.0498	0.0225	0.0240	0.0167	0.0022	86.3%	0.1838
2	22:50:51	86.7%	0.0416	0.0238	0.0183	0.0259	0.0031	88.8%	0.1778
3	22:51:48	86.4%	0.0487	0.0170	0.0254	0.0184	0.0070	90.1%	0.1981
x		85.6%	0.0467	0.0211	0.0226	0.0203	0.0041	88.4%	0.1866
σ		1.7%	0.0044	0.0036	0.0038	0.0049	0.0025	1.9%	0.0104
%RSD		2.0	9.5044	17.0070	16.7963	23.8866	62.1551	2.2	5.5741
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:52	0.1769	126.8288	127.6922	128.3616	89.6%	0.0062	-0.0049	0.0379
2	22:50:51	0.1581	128.1195	128.5463	130.1088	92.3%	-0.0067	-0.0104	0.0526
3	22:51:48	0.1826	129.0737	127.8350	129.8134	94.4%	-0.0055	-0.0052	0.0455
x		0.1725	128.0074	128.0245	129.4279	92.1%	-0.0020	-0.0068	0.0453
σ		0.0128	1.1266	0.4575	0.9352	2.4%	0.0071	0.0031	0.0074
%RSD		7.4067	0.8801	0.3574	0.7226	2.6	357.0567	45.6567	16.2642
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:49:52	0.0521	0.0487	89.2%	0.1997				
2	22:50:51	0.0494	0.0557	91.7%	0.2094				
3	22:51:48	0.0553	0.0538	93.3%	0.2076				
x		0.0523	0.0527	91.4%	0.2055				
σ		0.0030	0.0036	2.1%	0.0052				
%RSD		5.6935	6.8568	2.3	2.5137				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:23	89.6%	0.1619	770.6622	17.9768	17.0565	14.9694	2501.4567	3.6502
2	22:55:20	88.1%	0.1800	791.0148	18.1864	17.1160	15.1254	2565.0420	3.6542
3	22:56:19	88.2%	0.1655	768.2723	18.2274	17.3094	14.6130	2535.9560	3.6848
x		88.6%	0.1691	776.6498	18.1302	17.1606	14.9026	2534.1516	3.6631
σ		0.9%	0.0096	12.4977	0.1345	0.1322	0.2627	31.8310	0.0190
%RSD		1.0	5.6521	1.6092	0.7417	0.7705	1.7626	1.2561	0.5175
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:23	3.4663	52.7692	11.3742	1.9325	1.6953	6.4555	8.8032	8.5295
2	22:55:20	3.4655	42.9453	12.8075	1.9057	1.5030	6.7893	9.4301	8.2378
3	22:56:19	3.2527	40.3781	13.1439	1.9299	1.5558	6.6217	9.2066	8.8990
x		3.3949	45.3642	12.4419	1.9227	1.5847	6.6222	9.1467	8.5554
σ		0.1231	6.5401	0.9398	0.0148	0.0994	0.1669	0.3177	0.3314
%RSD		3.6268	14.4169	7.5534	0.7700	6.2708	2.5197	3.4737	3.8730
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:23	90.1%	4.4384	2.3576	1.6699	1.3861	0.4761	0.5715	0.5367
2	22:55:20	88.4%	4.4661	2.4147	1.0691	1.2467	0.5037	0.5462	0.5541
3	22:56:19	89.3%	4.9147	1.3131	1.4446	2.2267	0.5704	0.5921	0.5590
x		89.2%	4.6064	2.0285	1.3945	1.6198	0.5167	0.5699	0.5499
σ		0.9%	0.2673	0.6202	0.3036	0.5302	0.0485	0.0230	0.0117
%RSD		1.0	5.8037	30.5726	21.7670	32.7310	9.3847	4.0358	2.1349
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:23	87.8%	0.0303	0.0183	0.0550	0.1028	0.0789	88.8%	0.2565
2	22:55:20	87.3%	0.0335	0.0156	0.0496	0.1099	0.0619	90.4%	0.2235
3	22:56:19	86.7%	0.0385	0.0199	0.0654	0.0879	0.0705	88.2%	0.2569
x		87.3%	0.0341	0.0179	0.0567	0.1002	0.0704	89.1%	0.2456
σ		0.6%	0.0041	0.0022	0.0080	0.0112	0.0085	1.2%	0.0192
%RSD		0.7	12.1044	12.0462	14.1986	11.2058	12.0467	1.3	7.8160
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:23	0.2329	109.8538	108.7291	110.8685	92.0%	-0.0019	-0.0028	0.5363
2	22:55:20	0.2342	109.9317	108.8591	110.3441	93.1%	-0.0050	-0.0046	0.5135
3	22:56:19	0.2665	112.7293	112.3759	113.2508	94.0%	0.0010	-0.0023	0.5426
x		0.2445	110.8383	109.9881	111.4878	93.0%	-0.0020	-0.0032	0.5308
σ		0.0191	1.6382	2.0690	1.5492	1.0%	0.0030	0.0012	0.0153
%RSD		7.7915	1.4780	1.8811	1.3896	1.1	154.2270	36.5523	2.8803
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:54:23	0.5976	0.5526	94.8%	0.5512				
2	22:55:20	0.5446	0.5352	97.4%	0.5481				
3	22:56:19	0.5393	0.5613	97.3%	0.5475				
x		0.5605	0.5497	96.5%	0.5490				
σ		0.0323	0.0133	1.5%	0.0020				
%RSD		5.7548	2.4153	1.5	0.3613				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:55	96.9%	0.0176	76.9174	0.1440	0.3262	-0.7071	51.1643	1.2673
2	22:59:54	99.1%	0.0127	74.5562	0.0919	0.3535	-0.6543	50.5679	1.2645
3	23:00:53	96.2%	0.0206	75.6648	0.0290	0.3033	-0.7423	51.3056	1.2414
x		97.4%	0.0170	75.7128	0.0883	0.3277	-0.7012	51.0126	1.2577
σ		1.5%	0.0040	1.1813	0.0576	0.0251	0.0443	0.3916	0.0142
%RSD		1.5	23.4034	1.5603	65.1965	7.6657	6.3123	0.7676	1.1304
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:55	1.3817	21.2632	2.2939	5.3488	5.1673	13.3860	12.4214	12.9865
2	22:59:54	1.4045	20.5441	2.0533	5.1043	5.0864	13.6860	12.5751	12.9489
3	23:00:53	1.4414	16.9592	1.8072	5.1068	5.0532	13.5094	12.5546	13.2275
x		1.4092	19.5888	2.0515	5.1866	5.1023	13.5272	12.5170	13.0543
σ		0.0302	2.3055	0.2433	0.1404	0.0587	0.1508	0.0834	0.1511
%RSD		2.1406	11.7696	11.8620	2.7078	1.1498	1.1149	0.6665	1.1578
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:55	98.8%	0.4658	0.8310	1.1403	0.0684	0.3017	0.3586	0.2741
2	22:59:54	97.6%	0.5116	0.5344	1.1882	0.5289	0.2575	0.3243	0.2851
3	23:00:53	95.9%	0.3195	1.3535	0.6792	0.3567	0.2882	0.2824	0.2894
x		97.4%	0.4323	0.9063	1.0026	0.3180	0.2825	0.3218	0.2829
σ		1.5%	0.1003	0.4147	0.2811	0.2327	0.0226	0.0381	0.0079
%RSD		1.5	23.2103	45.7593	28.0356	73.1641	8.0167	11.8501	2.7968
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:55	97.7%	0.0039	0.0040	0.0074	0.0113	0.0154	98.1%	0.8346
2	22:59:54	99.6%	0.0016	0.0028	0.0140	0.0210	0.0145	97.7%	0.8205
3	23:00:53	96.3%	0.0004	0.0022	0.0008	0.0188	0.0126	98.8%	0.8199
x		97.9%	0.0020	0.0030	0.0074	0.0170	0.0141	98.2%	0.8250
σ		1.7%	0.0018	0.0009	0.0066	0.0051	0.0014	0.5%	0.0083
%RSD		1.7	90.2898	30.5165	89.5302	30.0483	10.0557	0.6	1.0086
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:55	0.8537	5.1849	5.1619	5.3365	95.7%	0.0037	-0.0021	0.2787
2	22:59:54	0.8367	5.4293	5.2026	5.3755	98.3%	0.0023	-0.0019	0.2796
3	23:00:53	0.7666	5.1147	5.3522	5.2543	98.0%	0.0022	-0.0013	0.2891
x		0.8190	5.2430	5.2389	5.3221	97.3%	0.0027	-0.0018	0.2825
σ		0.0462	0.1651	0.1002	0.0619	1.4%	0.0008	0.0005	0.0057
%RSD		5.6388	3.1497	1.9127	1.1628	1.5	31.4014	26.2018	2.0339
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	22:58:55	0.3220	0.2941	95.6%	0.2992				
2	22:59:54	0.3286	0.2951	97.4%	0.2985				
3	23:00:53	0.3019	0.2902	98.2%	0.2988				
x		0.3175	0.2931	97.0%	0.2989				
σ		0.0139	0.0026	1.3%	0.0003				
%RSD		4.3848	0.8986	1.4	0.1039				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:28	103.0%	25.4169	24.5707	25.3827	25.4788	23.3154	25.0045	25.5446
2	23:04:27	100.5%	25.4680	24.4394	24.3794	24.5647	22.8037	24.4395	24.6226
3	23:05:26	99.6%	24.5487	23.8506	24.8300	24.9440	23.3279	25.0595	25.0865
x		101.1%	25.1446	24.2869	24.8641	24.9958	23.1490	24.8345	25.0846
σ		1.8%	0.5166	0.3835	0.5025	0.4593	0.2991	0.3432	0.4610
%RSD		1.8	2.0547	1.5791	2.0210	1.8374	1.2921	1.3819	1.8378
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:28	25.4943	25.6491	26.4789	25.6561	26.0366	24.8043	25.2205	24.4373
2	23:04:27	24.8787	23.1245	25.3415	24.7540	24.9060	24.4991	25.3712	24.1881
3	23:05:26	25.5360	27.1493	26.4265	24.8218	24.3634	24.9134	23.2476	24.2056
x		25.3030	25.3076	26.0823	25.0773	25.1020	24.7390	24.6131	24.2770
σ		0.3680	2.0340	0.6421	0.5024	0.8537	0.2147	1.1849	0.1391
%RSD		1.4545	8.0371	2.4618	2.0035	3.4008	0.8680	4.8142	0.5731
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:28	99.6%	23.9809	26.0775	25.4628	24.1713	23.7689	23.9769	23.9899
2	23:04:27	101.7%	23.9474	23.8522	25.0177	23.8014	24.2718	24.1989	24.0601
3	23:05:26	98.3%	23.1403	25.2835	25.4214	23.7123	24.1359	24.5987	24.0422
x		99.9%	23.6895	25.0711	25.3006	23.8950	24.0588	24.2582	24.0307
σ		1.7%	0.4759	1.1278	0.2459	0.2434	0.2602	0.3151	0.0365
%RSD		1.7	2.0091	4.4982	0.9720	1.0187	1.0814	1.2988	0.1519
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:28	103.0%	24.4541	24.4401	23.8796	23.9697	24.3197	99.6%	24.3382
2	23:04:27	101.9%	24.3974	24.6136	24.0619	24.0169	24.4653	100.5%	24.5513
3	23:05:26	101.4%	24.2478	24.1407	24.3779	23.8914	24.6941	100.1%	24.5575
x		102.1%	24.3664	24.3982	24.1065	23.9593	24.4930	100.1%	24.4823
σ		0.8%	0.1066	0.2392	0.2522	0.0634	0.1888	0.4%	0.1248
%RSD		0.8	0.4375	0.9805	1.0460	0.2644	0.7707	0.4	0.5099
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:03:28	24.2534	24.8090	24.7014	24.8180	97.2%	24.3159	24.3098	24.7353
2	23:04:27	24.0656	24.7895	24.6053	24.8022	99.4%	24.3548	23.9747	24.3875
3	23:05:26	24.5518	24.6628	24.8890	24.6073	100.1%	24.7880	24.4592	24.7490
x		24.2903	24.7538	24.7319	24.7425	98.9%	24.4863	24.2479	24.6239
σ		0.2452	0.0794	0.1443	0.1173	1.5%	0.2621	0.2481	0.2049
%RSD		1.0094	0.3208	0.5835	0.4742	1.6	1.0703	1.0232	0.8320
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:03:28	24.6101	24.4270	97.9%	23.9526				
2	23:04:27	24.2896	24.3555	100.3%	24.1303				
3	23:05:26	24.4832	24.5868	99.6%	24.3674				
x		24.4610	24.4564	99.3%	24.1501				
σ		0.1614	0.1184	1.2%	0.2081				
%RSD		0.6597	0.4843	1.2	0.8617				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:00	95.6%	-0.0007	-0.0951	-0.1508	0.0165	-2.4004	0.0126	-0.0005
2	23:14:59	95.9%	-0.0049	-0.0922	-0.1544	-0.0070	-2.4650	0.0214	0.0015
3	23:15:58	95.9%	0.0081	-0.1023	-0.0555	0.0054	-2.8074	0.0143	0.0036
x		95.8%	0.0009	-0.0966	-0.1203	0.0049	-2.5576	0.0161	0.0016
σ		0.2%	0.0067	0.0052	0.0561	0.0118	0.2187	0.0046	0.0020
%RSD		0.2	781.6227	5.3899	46.6289	237.7360	8.5526	28.8098	130.1986
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:00	-0.0044	-2.1663	0.3988	0.1056	-0.0416	-0.0508	-0.4179	-0.0560
2	23:14:59	0.0009	-1.3288	0.3143	0.0722	-0.0047	-0.0406	-0.3864	-0.0720
3	23:15:58	-0.0046	-1.8265	0.2375	0.0013	-0.0005	-0.0573	-0.3878	-0.0578
x		-0.0027	-1.7739	0.3169	0.0597	-0.0156	-0.0496	-0.3974	-0.0619
σ		0.0032	0.4212	0.0807	0.0533	0.0226	0.0085	0.0178	0.0088
%RSD		116.6297	23.7453	25.4639	89.2522	144.8629	17.0508	4.4790	14.1971
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:00	94.8%	0.0384	0.2574	0.8291	0.4295	0.0221	0.0282	0.0220
2	23:14:59	95.6%	-0.0407	-0.2725	1.0837	-0.2608	0.0397	0.0165	0.0354
3	23:15:58	96.1%	-0.0088	-0.0694	0.3600	0.0315	0.0258	0.0281	0.0324
x		95.5%	-0.0037	-0.0281	0.7576	0.0667	0.0292	0.0243	0.0300
σ		0.7%	0.0398	0.2673	0.3671	0.3465	0.0093	0.0068	0.0070
%RSD		0.7	1074.2414	950.0078	48.4542	519.3168	31.8672	27.8747	23.4981
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:00	98.3%	0.0022	0.0022	-0.0015	0.0004	0.0010	94.0%	0.0009
2	23:14:59	95.9%	0.0028	0.0023	-0.0015	0.0049	0.0010	95.2%	0.0009
3	23:15:58	98.1%	0.0033	0.0052	-0.0015	0.0015	0.0028	96.4%	0.0009
x		97.4%	0.0028	0.0032	-0.0015	0.0023	0.0016	95.2%	0.0009
σ		1.3%	0.0006	0.0017	0.0000	0.0023	0.0010	1.2%	0.0000
%RSD		1.3	20.4602	53.0208	0.0000	103.0338	65.7276	1.2	1.9893
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:00	0.0024	-0.0014	0.0022	-0.0014	93.8%	-0.0006	-0.0035	0.0001
2	23:14:59	0.0041	0.0014	-0.0003	-0.0071	97.5%	-0.0016	0.0015	0.0040
3	23:15:58	0.0006	-0.0267	0.0033	-0.0032	98.3%	0.0007	-0.0032	-0.0006
x		0.0024	-0.0089	0.0018	-0.0039	96.6%	-0.0005	-0.0018	0.0012
σ		0.0017	0.0155	0.0019	0.0029	2.4%	0.0011	0.0028	0.0025
%RSD		72.4568	173.7164	106.8615	73.9786	2.5	225.5775	159.7641	210.9225
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:14:00	0.0009	0.0027	92.4%	-0.0016				
2	23:14:59	0.0011	0.0026	95.8%	-0.0031				
3	23:15:58	0.0040	0.0013	97.8%	-0.0014				
x		0.0020	0.0022	95.3%	-0.0021				
σ		0.0017	0.0008	2.7%	0.0009				
%RSD		87.4607	35.5844	2.8	44.6578				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:34	101.2%	0.0066	4.0241	-0.0351	0.2054	-0.4182	215.9627	1.2585
2	23:19:31	97.9%	0.0075	4.1696	0.0090	0.2138	-0.4542	214.9657	1.2483
3	23:20:30	96.8%	0.0073	4.1896	0.0421	0.1906	-0.6744	211.6592	1.1831
x		98.7%	0.0072	4.1277	0.0053	0.2033	-0.5156	214.1959	1.2300
σ		2.3%	0.0005	0.0903	0.0387	0.0118	0.1387	2.2527	0.0409
%RSD		2.3	7.2566	2.1874	725.3042	5.7900	26.9047	1.0517	3.3265
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:34	6.2914	118.7107	4.1985	7.4598	7.8917	10.7415	10.9973	10.5870
2	23:19:31	5.9875	111.8495	4.2871	7.6029	8.2207	10.8525	9.4075	11.2202
3	23:20:30	5.7428	101.5224	3.9512	7.1718	7.8667	10.7159	9.9203	10.6190
x		6.0073	110.6942	4.1456	7.4115	7.9930	10.7699	10.1084	10.8087
σ		0.2748	8.6522	0.1741	0.2195	0.1976	0.0726	0.8114	0.3567
%RSD		4.5751	7.8163	4.1987	2.9623	2.4717	0.6741	8.0271	3.3000
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:34	95.1%	0.4880	2.7582	1.1714	0.1019	1.4648	1.4283	1.3896
2	23:19:31	93.2%	0.5787	3.2510	0.9562	0.5114	1.4681	1.6153	1.4372
3	23:20:30	94.8%	0.3700	3.6854	0.9112	0.5461	1.5296	1.4620	1.4465
x		94.4%	0.4789	3.2315	1.0130	0.3865	1.4875	1.5019	1.4245
σ		1.0%	0.1046	0.4639	0.1391	0.2470	0.0365	0.0997	0.0305
%RSD		1.1	21.8510	14.3556	13.7302	63.9244	2.4508	6.6357	2.1420
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:34	94.0%	0.0120	0.0128	0.0882	0.0624	0.0618	94.7%	0.6269
2	23:19:31	94.0%	0.0090	0.0073	0.0724	0.0536	0.0555	94.2%	0.6370
3	23:20:30	92.6%	0.0097	0.0073	0.0593	0.0783	0.0609	93.2%	0.6183
x		93.6%	0.0102	0.0091	0.0733	0.0648	0.0594	94.0%	0.6274
σ		0.8%	0.0016	0.0032	0.0145	0.0125	0.0034	0.8%	0.0094
%RSD		0.8	15.3064	34.8041	19.7937	19.3076	5.7184	0.8	1.4915
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:34	0.5747	16.5433	16.7942	16.6743	95.2%	0.0135	0.0149	0.0871
2	23:19:31	0.5692	16.9723	16.4876	16.7460	96.8%	0.0042	0.0104	0.0903
3	23:20:30	0.6188	16.9995	16.7237	16.6687	97.7%	0.0156	0.0080	0.1047
x		0.5876	16.8384	16.6685	16.6963	96.5%	0.0111	0.0111	0.0940
σ		0.0272	0.2559	0.1606	0.0431	1.3%	0.0061	0.0035	0.0094
%RSD		4.6259	1.5197	0.9632	0.2582	1.3	54.6019	31.1949	9.9959
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:18:34	0.1065	0.1050	95.0%	2.0795				
2	23:19:31	0.0976	0.1004	96.0%	2.1218				
3	23:20:30	0.1008	0.1059	96.9%	2.1192				
x		0.1016	0.1038	96.0%	2.1068				
σ		0.0045	0.0029	1.0%	0.0237				
%RSD		4.4414	2.8211	1.0	1.1237				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:12	100.3%	0.0098	28.0607	1.9331	0.4201	-2.3832	1245.4940	2.5921
2	23:24:09	98.3%	0.0089	28.5612	2.0860	0.4292	-3.0908	1226.0791	2.4264
3	23:25:08	97.9%	0.0101	28.5701	2.1401	0.4217	-3.2735	1245.2202	2.5065
x		98.9%	0.0096	28.3973	2.0530	0.4237	-2.9158	1238.9311	2.5083
σ		1.3%	0.0006	0.2916	0.1074	0.0049	0.4702	11.1310	0.0829
%RSD		1.3	6.3204	1.0268	5.2293	1.1514	16.1265	0.8984	3.3039
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:12	1.9764	59.1058	0.9389	0.8468	0.9781	10.6918	10.9261	11.0784
2	23:24:09	1.8366	54.5815	0.9749	0.7853	0.9502	10.4991	11.7302	11.7773
3	23:25:08	1.8590	55.6782	1.0278	0.8068	1.0065	10.9736	10.2375	11.4806
x		1.8906	56.4552	0.9805	0.8129	0.9783	10.7215	10.9646	11.4454
σ		0.0751	2.3601	0.0447	0.0312	0.0282	0.2386	0.7471	0.3507
%RSD		3.9714	4.1805	4.5589	3.8406	2.8784	2.2256	6.8138	3.0645
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:12	97.7%	1.5446	1.6251	1.1147	0.6396	2.0548	2.0733	1.9070
2	23:24:09	96.1%	1.5001	1.1885	0.7301	-0.0050	1.9217	1.7728	1.9266
3	23:25:08	95.0%	1.5346	1.1636	0.8437	0.5053	2.0547	1.9673	2.0353
x		96.3%	1.5264	1.3257	0.8962	0.3800	2.0104	1.9378	1.9563
σ		1.4%	0.0234	0.2596	0.1976	0.3401	0.0768	0.1524	0.0691
%RSD		1.4	1.5324	19.5778	22.0521	89.5076	3.8198	7.8652	3.5306
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:12	96.8%	0.0028	0.0034	0.0121	0.0137	0.0221	96.3%	0.2246
2	23:24:09	97.0%	0.0051	0.0016	0.0075	0.0148	0.0267	96.3%	0.2343
3	23:25:08	95.2%	0.0040	0.0029	0.0258	0.0149	0.0158	95.8%	0.2021
x		96.3%	0.0040	0.0026	0.0151	0.0144	0.0215	96.2%	0.2203
σ		1.0%	0.0012	0.0009	0.0095	0.0007	0.0055	0.3%	0.0165
%RSD		1.0	29.3921	35.2062	62.8524	4.6867	25.4892	0.3	7.5034
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:23:12	0.2038	47.9515	48.0679	48.0680	96.1%	0.0002	0.0010	0.1515
2	23:24:09	0.2017	47.0769	47.1713	47.9470	97.8%	0.0080	0.0034	0.1373
3	23:25:08	0.1888	48.0501	47.3343	47.6421	99.0%	0.0035	-0.0016	0.1359
x		0.1981	47.6928	47.5245	47.8857	97.6%	0.0039	0.0009	0.1416
σ		0.0081	0.5357	0.4776	0.2195	1.5%	0.0039	0.0025	0.0087
%RSD		4.1025	1.1232	1.0050	0.4583	1.5	100.9358	269.7170	6.1098
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:23:12	0.1470	0.1478	95.4%	0.4600				
2	23:24:09	0.1523	0.1493	97.0%	0.4776				
3	23:25:08	0.1552	0.1381	98.5%	0.4651				
x		0.1515	0.1450	97.0%	0.4676				
σ		0.0042	0.0061	1.6%	0.0091				
%RSD		2.7495	4.1779	1.6	1.9396				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:46	97.4%	0.0123	14.5984	1.2193	0.6313	-3.5113	1011.3636	1.6845
2	23:28:45	97.1%	0.0109	14.3692	1.0862	0.6125	-3.2997	1010.1748	1.6605
3	23:29:44	97.5%	0.0056	14.1808	1.0171	0.6160	-3.3403	1020.0441	1.6749
x		97.4%	0.0096	14.3828	1.1075	0.6199	-3.3838	1013.8608	1.6733
σ		0.2%	0.0036	0.2091	0.1027	0.0100	0.1123	5.3877	0.0121
%RSD		0.2	37.0269	1.4541	9.2768	1.6137	3.3193	0.5314	0.7236
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:46	2.1182	70.5284	1.4876	2.6221	2.7688	2.0785	2.9534	3.1696
2	23:28:45	1.7759	65.0395	1.6122	2.5353	2.5964	1.9859	2.8681	3.1384
3	23:29:44	1.9546	64.5643	1.8273	2.5283	2.7718	1.9774	2.8519	2.9774
x		1.9496	66.7107	1.6424	2.5619	2.7123	2.0139	2.8912	3.0951
σ		0.1712	3.3147	0.1719	0.0522	0.1004	0.0561	0.0545	0.1032
%RSD		8.7811	4.9688	10.4657	2.0391	3.7023	2.7850	1.8842	3.3334
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:46	94.5%	3.1608	2.0913	1.8789	0.9538	0.6183	0.6481	0.5722
2	23:28:45	95.0%	2.7494	1.3828	1.1316	0.2862	0.6355	0.5181	0.5680
3	23:29:44	95.9%	2.9893	1.2005	0.9913	0.4667	0.6099	0.5391	0.5628
x		95.1%	2.9665	1.5582	1.3339	0.5689	0.6212	0.5684	0.5677
σ		0.7%	0.2066	0.4706	0.4771	0.3453	0.0130	0.0698	0.0047
%RSD		0.8	6.9656	30.2014	35.7692	60.7009	2.0990	12.2780	0.8236
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:46	93.0%	0.0029	0.0017	0.0055	0.0220	0.0208	94.0%	0.2368
2	23:28:45	93.7%	0.0059	0.0029	0.0078	0.0174	0.0123	94.2%	0.2603
3	23:29:44	95.0%	0.0058	0.0016	0.0077	0.0127	0.0149	95.6%	0.2377
x		93.9%	0.0049	0.0021	0.0070	0.0174	0.0160	94.6%	0.2449
σ		1.0%	0.0017	0.0007	0.0013	0.0047	0.0044	0.9%	0.0133
%RSD		1.1	34.7170	34.7862	18.3332	26.8830	27.3502	0.9	5.4434
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:46	0.2318	51.2639	50.3424	51.2000	95.1%	0.0016	0.0001	0.1802
2	23:28:45	0.2168	51.3297	51.4093	52.1845	97.7%	-0.0024	-0.0003	0.1851
3	23:29:44	0.2476	52.8475	51.9064	51.7319	98.7%	-0.0064	0.0004	0.1790
x		0.2321	51.8137	51.2194	51.7054	97.1%	-0.0024	0.0001	0.1815
σ		0.0154	0.8959	0.7991	0.4928	1.8%	0.0040	0.0004	0.0032
%RSD		6.6330	1.7291	1.5602	0.9531	1.9	167.8611	370.4963	1.7766
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:27:46	0.2010	0.1902	94.6%	0.7723				
2	23:28:45	0.2038	0.1905	95.9%	0.7938				
3	23:29:44	0.1865	0.1834	97.5%	0.7849				
x		0.1971	0.1880	96.0%	0.7837				
σ		0.0093	0.0040	1.5%	0.0108				
%RSD		4.6961	2.1501	1.5	1.3763				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:26	96.1%	0.0159	4.7249	0.2435	0.2264	0.8846	4524.3371	1.0649
2	23:33:25	94.7%	0.0181	5.1126	0.2549	0.2149	1.1688	4542.5829	1.0560
3	23:34:24	95.9%	0.0123	4.6085	0.0997	0.1695	1.6467	4542.5168	1.0580
X		95.6%	0.0154	4.8153	0.1994	0.2036	1.2334	4536.4789	1.0597
σ		0.8%	0.0029	0.2639	0.0865	0.0301	0.3851	10.5152	0.0047
%RSD		0.8	18.7571	5.4808	43.3898	14.7775	31.2250	0.2318	0.4406
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:26	2.0077	71.6253	2.2277	1.0998	1.1733	2.3085	4.8704	3.7037
2	23:33:25	2.0005	67.3962	2.7087	1.0805	1.1397	2.2608	3.7451	3.9237
3	23:34:24	1.6703	60.0964	2.8658	1.0449	0.9871	2.2699	3.6656	3.5959
X		1.8928	66.3726	2.6007	1.0750	1.1001	2.2798	4.0937	3.7411
σ		0.1928	5.8322	0.3325	0.0279	0.0992	0.0253	0.6738	0.1671
%RSD		10.1839	8.7871	12.7848	2.5933	9.0195	1.1115	16.4606	4.4663
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:26	94.6%	1.9653	3.1023	1.8735	0.7678	0.4298	0.3503	0.3705
2	23:33:25	95.0%	2.2626	2.5004	0.7157	0.5809	0.3575	0.4146	0.4280
3	23:34:24	94.3%	1.8117	3.2810	0.6001	0.5109	0.3906	0.3860	0.4029
X		94.6%	2.0132	2.9612	1.0631	0.6199	0.3926	0.3837	0.4005
σ		0.3%	0.2292	0.4090	0.7042	0.1328	0.0362	0.0322	0.0288
%RSD		0.3	11.3863	13.8111	66.2418	21.4262	9.2136	8.3960	7.2003
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:26	93.3%	0.0036	0.0023	0.0055	0.0062	0.0039	93.2%	0.2457
2	23:33:25	93.7%	0.0011	0.0004	0.0009	0.0061	0.0048	94.3%	0.2360
3	23:34:24	92.1%	0.0048	0.0017	0.0102	0.0107	0.0038	93.9%	0.2373
X		93.0%	0.0032	0.0015	0.0055	0.0076	0.0041	93.8%	0.2397
σ		0.8%	0.0019	0.0010	0.0047	0.0026	0.0005	0.5%	0.0053
%RSD		0.9	59.8314	65.0861	84.4435	34.6003	12.5588	0.6	2.1915
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:32:26	0.2373	64.4643	65.0281	65.5474	94.2%	-0.0001	-0.0046	0.0936
2	23:33:25	0.2474	65.0851	65.5574	65.9497	95.6%	-0.0059	-0.0019	0.0834
3	23:34:24	0.2678	66.4657	66.5301	66.3408	96.5%	-0.0057	-0.0039	0.0956
X		0.2508	65.3384	65.7052	65.9460	95.4%	-0.0039	-0.0034	0.0908
σ		0.0155	1.0245	0.7619	0.3967	1.2%	0.0033	0.0014	0.0065
%RSD		6.1923	1.5679	1.1595	0.6015	1.2	84.9830	41.0578	7.1862
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:32:26	0.0859	0.0930	93.7%	0.6470				
2	23:33:25	0.0995	0.0989	95.8%	0.6597				
3	23:34:24	0.1000	0.0996	95.9%	0.6774				
X		0.0951	0.0972	95.2%	0.6614				
σ		0.0080	0.0036	1.2%	0.0153				
%RSD		8.3901	3.7245	1.3	2.3091				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:05	101.1%	0.0323	5.0830	-0.0852	0.2667	3.1783	631.2492	1.3988
2	23:38:02	100.4%	0.0223	4.9670	0.2800	0.2424	3.0537	625.3719	1.2426
3	23:39:01	98.6%	0.0144	5.0246	0.2447	0.2472	3.4558	628.8215	1.2337
x		100.0%	0.0230	5.0248	0.1465	0.2521	3.2293	628.4809	1.2917
σ		1.3%	0.0090	0.0580	0.2014	0.0129	0.2058	2.9535	0.0929
%RSD		1.3	39.0036	1.1546	137.4933	5.0986	6.3739	0.4699	7.1897
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:05	3.5778	110.7369	1.7469	50.3887	49.8484	10.4774	11.9631	11.3984
2	23:38:02	3.1364	102.5291	1.4524	49.2387	49.8640	9.8539	11.8282	11.6727
3	23:39:01	2.8898	97.0143	1.5625	49.1252	49.5746	9.9942	11.8278	11.6198
x		3.2013	103.4267	1.5873	49.5842	49.7623	10.1085	11.8730	11.5636
σ		0.3485	6.9052	0.1488	0.6990	0.1628	0.3271	0.0780	0.1455
%RSD		10.8875	6.6764	9.3749	1.4098	0.3271	3.2358	0.6570	1.2585
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:05	98.9%	1.1421	4.6482	1.7225	3.3092	0.3333	0.3442	0.3319
2	23:38:02	97.7%	1.1373	3.7879	1.2441	2.8461	0.3645	0.3471	0.3196
3	23:39:01	96.8%	1.3094	3.5186	0.8967	2.4755	0.2978	0.3810	0.2959
x		97.8%	1.1963	3.9849	1.2878	2.8769	0.3319	0.3574	0.3158
σ		1.1%	0.0980	0.5900	0.4146	0.4177	0.0334	0.0205	0.0183
%RSD		1.1	8.1931	14.8057	32.1972	14.5177	10.0555	5.7300	5.7872
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:05	98.5%	0.0155	0.0218	0.0561	0.0384	0.0326	97.8%	0.5334
2	23:38:02	97.8%	0.0185	0.0184	0.0342	0.0245	0.0264	97.2%	0.5478
3	23:39:01	96.8%	0.0221	0.0173	0.0165	0.0333	0.0301	97.2%	0.5094
x		97.7%	0.0187	0.0192	0.0356	0.0321	0.0297	97.4%	0.5302
σ		0.9%	0.0034	0.0024	0.0199	0.0071	0.0031	0.4%	0.0194
%RSD		0.9	17.9231	12.3749	55.8216	22.0202	10.4093	0.4	3.6617
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:05	0.5534	72.9421	71.9005	72.4884	96.5%	0.0035	-0.0031	0.1341
2	23:38:02	0.5204	72.9613	71.8950	72.4710	98.1%	0.0020	-0.0020	0.1388
3	23:39:01	0.5723	71.1882	71.0894	72.0821	99.0%	0.0046	-0.0035	0.1427
x		0.5487	72.3639	71.6283	72.3472	97.8%	0.0034	-0.0029	0.1385
σ		0.0263	1.0182	0.4667	0.2297	1.3%	0.0013	0.0008	0.0043
%RSD		4.7897	1.4071	0.6516	0.3175	1.3	39.4482	27.1644	3.0933
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:37:05	0.1655	0.1473	96.0%	1.3971				
2	23:38:02	0.1527	0.1502	96.9%	1.4259				
3	23:39:01	0.1418	0.1452	98.4%	1.4113				
x		0.1533	0.1476	97.1%	1.4114				
σ		0.0118	0.0025	1.2%	0.0144				
%RSD		7.7245	1.7171	1.3	1.0187				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:37	91.0%	0.0452	28.3319	2.9482	0.9361	4.9160	15833.1480	13.7242
2	23:42:34	91.5%	0.0493	28.1081	3.0426	0.9809	4.2736	15948.3950	13.6325
3	23:43:32	90.9%	0.0286	28.1344	3.0852	0.8981	3.8155	15571.4230	13.0917
x		91.1%	0.0411	28.1915	3.0253	0.9384	4.3350	15784.3220	13.4828
σ		0.3%	0.0109	0.1223	0.0701	0.0415	0.5528	193.1703	0.3418
%RSD		0.3	26.6487	0.4340	2.3181	4.4192	12.7529	1.2238	2.5350
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:37	6.2839	221.6201	3.4197	2.7311	3.5092	8.8299	11.3041	10.3616
2	23:42:34	5.6004	198.2348	3.4694	2.6807	3.1554	8.8967	11.4854	10.5848
3	23:43:32	5.4086	190.8043	3.6965	2.5528	3.2864	8.6102	10.9006	10.2478
x		5.7643	203.5530	3.5285	2.6549	3.3170	8.7789	11.2300	10.3981
σ		0.4601	16.0816	0.1476	0.0919	0.1789	0.1499	0.2994	0.1714
%RSD		7.9812	7.9004	4.1828	3.4622	5.3924	1.7072	2.6657	1.6485
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:37	89.0%	21.6559	7.0487	1.4941	0.8859	3.7148	3.6537	3.5413
2	23:42:34	87.9%	22.2541	7.4341	1.2034	1.6109	3.6806	3.4373	3.7702
3	23:43:32	90.5%	21.3156	6.6184	1.1464	1.9737	3.7149	3.6285	3.7997
x		89.1%	21.7419	7.0337	1.2813	1.4902	3.7034	3.5732	3.7038
σ		1.3%	0.4751	0.4081	0.1865	0.5538	0.0198	0.1183	0.1414
%RSD		1.5	2.1854	5.8014	14.5553	37.1662	0.5345	3.3121	3.8186
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:37	87.5%	0.0220	0.0098	0.1171	0.0938	0.0966	88.1%	0.3242
2	23:42:34	86.8%	0.0221	0.0038	0.1341	0.0934	0.0870	88.8%	0.3426
3	23:43:32	86.7%	0.0182	0.0038	0.0871	0.0824	0.0838	89.1%	0.3403
x		87.0%	0.0208	0.0058	0.1128	0.0899	0.0891	88.7%	0.3357
σ		0.5%	0.0022	0.0035	0.0238	0.0065	0.0067	0.5%	0.0100
%RSD		0.5	10.7461	59.6981	21.0727	7.1919	7.5090	0.6	2.9919
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:37	0.3094	93.9678	92.1901	93.8137	90.5%	0.0029	0.0055	0.0795
2	23:42:34	0.3468	92.2656	94.0259	93.9137	93.3%	0.0054	0.0069	0.0829
3	23:43:32	0.3269	92.5964	92.8723	93.9221	93.3%	0.0080	0.0040	0.0818
x		0.3277	92.9432	93.0294	93.8832	92.4%	0.0054	0.0055	0.0814
σ		0.0187	0.9026	0.9279	0.0603	1.6%	0.0026	0.0015	0.0017
%RSD		5.7121	0.9711	0.9975	0.0643	1.7	47.2234	27.1038	2.1085
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:41:37	0.1008	0.0865	91.1%	6.2787				
2	23:42:34	0.0806	0.0876	92.0%	6.4031				
3	23:43:32	0.0965	0.0888	93.2%	6.4512				
x		0.0927	0.0876	92.1%	6.3776				
σ		0.0106	0.0012	1.0%	0.0890				
%RSD		11.4929	1.3227	1.1	1.3960				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:16	86.0%	0.0427	21.1201	12.6905	2.6848	1.3231	3903.0367	6.3630
2	23:47:15	87.5%	0.0382	20.6425	12.6759	2.6456	0.9758	3937.0663	6.2078
3	23:48:14	87.4%	0.0308	20.6430	13.0404	2.6811	0.0546	3884.0722	6.2616
X		87.0%	0.0372	20.8019	12.8023	2.6705	0.7845	3908.0584	6.2774
σ		0.8%	0.0060	0.2756	0.2064	0.0216	0.6555	26.8516	0.0788
%RSD		1.0	16.2083	1.3250	1.6119	0.8104	83.5581	0.6871	1.2553
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:16	5.9495	58.0579	16.3766	1.3032	0.6870	8.5235	18.8732	15.7992
2	23:47:15	5.8585	55.9589	16.8701	1.2820	0.5699	8.6389	18.2470	15.6059
3	23:48:14	5.7090	54.2707	15.6805	1.2590	0.8044	8.3114	17.0437	15.6145
X		5.8390	56.0958	16.3091	1.2814	0.6871	8.4913	18.0546	15.6732
σ		0.1214	1.8973	0.5976	0.0221	0.1173	0.1661	0.9298	0.1092
%RSD		2.0799	3.3823	3.6645	1.7247	17.0692	1.9563	5.1499	0.6969
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:16	86.9%	25.9754	2.3075	1.9620	2.2834	7.6482	7.7277	7.7662
2	23:47:15	86.2%	25.3925	1.9092	1.9726	1.1095	7.7422	7.5717	7.6463
3	23:48:14	87.4%	25.3672	2.6274	2.0950	2.0612	7.8512	7.5684	7.8743
X		86.9%	25.5784	2.2813	2.0099	1.8180	7.7472	7.6226	7.7623
σ		0.6%	0.3441	0.3598	0.0739	0.6236	0.1016	0.0910	0.1140
%RSD		0.7	1.3451	15.7715	3.6760	34.2983	1.3119	1.1944	1.4692
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:16	84.3%	0.0182	0.0074	0.0088	0.0181	0.0116	85.3%	0.2841
2	23:47:15	85.7%	0.0179	0.0073	0.0213	0.0216	0.0084	85.9%	0.3262
3	23:48:14	86.0%	0.0164	0.0045	0.0236	0.0189	0.0133	87.2%	0.3370
X		85.3%	0.0175	0.0064	0.0179	0.0195	0.0111	86.1%	0.3158
σ		0.9%	0.0009	0.0016	0.0080	0.0019	0.0025	1.0%	0.0280
%RSD		1.0	5.2703	25.3690	44.5902	9.5359	22.5718	1.1	8.8593
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:16	0.3017	350.3563	347.8507	359.3395	87.3%	-0.0090	-0.0062	0.1162
2	23:47:15	0.3396	349.7209	352.5189	360.9792	89.2%	-0.0040	-0.0055	0.1064
3	23:48:14	0.3235	345.7260	346.7678	357.7792	89.8%	-0.0049	-0.0082	0.1067
X		0.3216	348.6011	349.0458	359.3660	88.8%	-0.0059	-0.0066	0.1098
σ		0.0190	2.5100	3.0562	1.6001	1.3%	0.0027	0.0014	0.0056
%RSD		5.9167	0.7200	0.8756	0.4453	1.5	45.0675	21.6050	5.0940
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:46:16	0.1175	0.1129	87.3%	0.0641				
2	23:47:15	0.1239	0.1212	88.7%	0.0653				
3	23:48:14	0.1161	0.1079	89.0%	0.0660				
X		0.1192	0.1140	88.4%	0.0651				
σ		0.0042	0.0067	0.9%	0.0010				
%RSD		3.4993	5.8643	1.0	1.5258				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:51:10	89.8%	0.1132	24.8739	8.5274	4.8950	2.9820	5325.5060	1.7214
2	23:52:09	89.0%	0.1081	25.0306	8.5306	5.0393	3.0090	5476.5291	1.7019
3	23:53:08	90.4%	0.1018	24.9050	8.5645	5.0584	2.5490	5411.3242	1.6663
x		89.7%	0.1077	24.9365	8.5408	4.9976	2.8467	5404.4531	1.6965
σ		0.7%	0.0057	0.0830	0.0206	0.0893	0.2581	75.7456	0.0280
%RSD		0.7	5.2790	0.3327	0.2410	1.7868	9.0672	1.4015	1.6479
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:51:10	5.2952	151.4196	10.8027	1.5870	1.4102	40.4925	46.4722	44.9744
2	23:52:09	5.3495	153.9991	11.5777	1.5337	1.3759	41.0713	45.5778	45.0880
3	23:53:08	4.8727	136.5204	11.3467	1.4468	1.2146	41.5309	44.6900	45.1421
x		5.1725	147.3130	11.2424	1.5225	1.3336	41.0316	45.5800	45.0681
σ		0.2610	9.4352	0.3979	0.0707	0.1044	0.5203	0.8911	0.0856
%RSD		5.0463	6.4049	3.5391	4.6461	7.8322	1.2681	1.9551	0.1899
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:51:10	89.3%	13.2971	4.1625	2.2301	1.6421	0.6418	0.6938	0.6662
2	23:52:09	87.8%	13.0706	4.5240	2.2223	1.5401	0.6721	0.7771	0.6583
3	23:53:08	87.8%	13.0065	3.7188	2.0235	1.6214	0.7583	0.7949	0.7197
x		88.3%	13.1248	4.1351	2.1586	1.6012	0.6907	0.7553	0.6814
σ		0.9%	0.1527	0.4033	0.1171	0.0539	0.0605	0.0540	0.0334
%RSD		1.0	1.1632	9.7540	5.4237	3.3674	8.7523	7.1459	4.8969
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:51:10	85.6%	0.0284	0.0066	0.0186	0.0387	0.0113	87.0%	0.2688
2	23:52:09	85.3%	0.0226	0.0046	0.0313	0.0314	0.0185	86.6%	0.2523
3	23:53:08	85.2%	0.0278	0.0079	0.0211	0.0312	0.0194	87.3%	0.3228
x		85.3%	0.0263	0.0064	0.0237	0.0338	0.0164	87.0%	0.2813
σ		0.2%	0.0032	0.0017	0.0067	0.0042	0.0044	0.3%	0.0369
%RSD		0.3	12.2548	26.6766	28.3725	12.5549	26.9995	0.4	13.1195
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:51:10	0.2426	256.1729	255.8351	261.0863	86.9%	-0.0097	-0.0038	0.3781
2	23:52:09	0.2852	256.1565	260.6247	265.1499	88.0%	0.0018	-0.0077	0.3783
3	23:53:08	0.2716	255.7680	258.8604	265.6107	89.1%	-0.0021	-0.0063	0.3411
x		0.2665	256.0325	258.4401	263.9490	88.0%	-0.0033	-0.0060	0.3658
σ		0.0217	0.2292	2.4223	2.4899	1.1%	0.0058	0.0020	0.0214
%RSD		8.1535	0.0895	0.9373	0.9433	1.3	174.9152	32.8420	5.8463
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:51:10	0.3730	0.3816	86.6%	0.1345				
2	23:52:09	0.3722	0.3773	87.4%	0.1463				
3	23:53:08	0.3808	0.3560	87.7%	0.1405				
x		0.3753	0.3716	87.2%	0.1404				
σ		0.0047	0.0137	0.6%	0.0059				
%RSD		1.2635	3.6861	0.7	4.2049				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:46	81.2%	0.1331	278.0290	34.2966	4.5030	6.3503	8966.5520	6.2555
2	23:56:45	80.9%	0.1247	279.5472	33.2908	4.3590	6.5577	8898.8499	6.0077
3	23:57:42	81.4%	0.1221	276.3102	33.4278	4.4420	7.0515	8865.0714	6.1742
x		81.2%	0.1267	277.9622	33.6717	4.4346	6.6532	8910.1578	6.1458
σ		0.2%	0.0058	1.6196	0.5455	0.0723	0.3602	51.6767	0.1263
%RSD		0.3	4.5528	0.5827	1.6199	1.6295	5.4143	0.5800	2.0554
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:46	5.3976	61.8107	23.5801	2.9306	2.0647	6.8198	11.2161	8.7237
2	23:56:45	5.1190	48.9503	22.9383	2.8829	2.1268	6.5118	10.0914	7.9910
3	23:57:42	5.4464	52.3803	22.5623	2.9234	2.0105	6.6073	10.6458	8.3732
x		5.3210	54.3804	23.0269	2.9123	2.0673	6.6463	10.6511	8.3626
σ		0.1767	6.6594	0.5146	0.0257	0.0582	0.1577	0.5624	0.3664
%RSD		3.3199	12.2460	2.2349	0.8840	2.8146	2.3724	5.2803	4.3819
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:46	81.2%	12.7343	2.5107	2.5822	2.8298	1.1986	1.2782	1.2366
2	23:56:45	83.1%	12.0204	3.5567	2.0939	2.8057	1.2542	1.2863	1.2956
3	23:57:42	82.2%	12.1175	2.5488	1.8414	1.7583	1.2663	1.1976	1.3044
x		82.2%	12.2908	2.8721	2.1725	2.4646	1.2397	1.2540	1.2789
σ		0.9%	0.3872	0.5932	0.3766	0.6118	0.0361	0.0490	0.0368
%RSD		1.1	3.1500	20.6544	17.3352	24.8229	2.9133	3.9102	2.8813
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:46	82.0%	0.0411	0.0156	0.0225	0.0425	0.0198	81.3%	0.2358
2	23:56:45	80.6%	0.0448	0.0098	0.0356	0.0226	0.0109	82.7%	0.2418
3	23:57:42	80.7%	0.0511	0.0148	0.0303	0.0317	0.0174	82.6%	0.2433
x		81.1%	0.0457	0.0134	0.0295	0.0323	0.0160	82.2%	0.2403
σ		0.8%	0.0051	0.0031	0.0066	0.0099	0.0046	0.8%	0.0039
%RSD		0.9	11.0802	23.2940	22.3386	30.7585	28.6382	1.0	1.6319
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:46	0.2626	98.3305	98.5120	99.4389	84.1%	-0.0074	-0.0022	0.5435
2	23:56:45	0.2539	98.0884	97.3326	98.3673	86.3%	-0.0048	-0.0012	0.5663
3	23:57:42	0.2391	98.5491	97.7961	99.5960	87.2%	-0.0026	0.0022	0.5678
x		0.2519	98.3226	97.8802	99.1340	85.9%	-0.0049	-0.0004	0.5592
σ		0.0119	0.2304	0.5942	0.6687	1.6%	0.0024	0.0023	0.0136
%RSD		4.7182	0.2344	0.6071	0.6745	1.8	48.5087	602.7651	2.4361
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	23:55:46	0.5919	0.5621	87.5%	1.7067				
2	23:56:45	0.6195	0.5791	89.0%	1.7042				
3	23:57:42	0.6126	0.5732	90.0%	1.6950				
x		0.6080	0.5715	88.8%	1.7020				
σ		0.0144	0.0087	1.3%	0.0062				
%RSD		2.3609	1.5137	1.4	0.3622				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:24	85.1%	0.1165	98.9022	88.5032	132.8031	127.7777	950.2802	3.0495
2	00:01:23	84.9%	0.1061	98.7573	88.5607	132.9465	125.7009	951.4284	2.9406
3	00:02:22	86.1%	0.1106	97.3364	85.3981	129.8424	124.9236	927.8973	2.8652
x		85.3%	0.1111	98.3319	87.4873	131.8640	126.1341	943.2019	2.9518
σ		0.7%	0.0052	0.8652	1.8095	1.7522	1.4756	13.2667	0.0926
%RSD		0.8	4.6926	0.8799	2.0684	1.3288	1.1698	1.4066	3.1381
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:24	164.7588	236.4232	172.5568	1.1541	1.0858	34.9517	41.0931	36.4682
2	00:01:23	158.1779	225.0045	169.1371	1.1111	0.9868	35.4492	39.0638	36.6506
3	00:02:22	156.0915	226.4607	166.6614	1.0415	0.9617	33.9040	38.7090	35.9833
x		159.6760	229.2961	169.4518	1.1022	1.0114	34.7683	39.6220	36.3674
σ		4.5237	6.2150	2.9603	0.0568	0.0656	0.7888	1.2863	0.3449
%RSD		2.8330	2.7105	1.7470	5.1534	6.4886	2.2686	3.2464	0.9483
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:24	86.2%	191.0489	5.5023	3.2215	2.9536	8.5495	8.4843	8.3572
2	00:01:23	87.1%	189.8186	4.4005	2.2668	2.8216	8.8407	8.8974	9.0297
3	00:02:22	88.1%	184.1774	5.7514	2.1778	2.9244	9.0924	9.1758	9.2439
x		87.1%	188.3483	5.2181	2.5553	2.8999	8.8275	8.8525	8.8769
σ		1.0%	3.6641	0.7189	0.5786	0.0693	0.2717	0.3479	0.4627
%RSD		1.1	1.9454	13.7769	22.6431	2.3905	3.0778	3.9301	5.2121
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:24	80.3%	0.2764	0.1477	0.1063	0.2925	0.1120	80.8%	12.5099
2	00:01:23	79.4%	0.2642	0.1206	0.1241	0.3052	0.1307	82.3%	12.8672
3	00:02:22	79.5%	0.2548	0.1460	0.1102	0.2801	0.1138	82.9%	13.4075
x		79.7%	0.2651	0.1381	0.1135	0.2926	0.1188	82.0%	12.9282
σ		0.5%	0.0108	0.0152	0.0094	0.0126	0.0104	1.0%	0.4519
%RSD		0.6	4.0773	11.0074	8.2728	4.2956	8.7141	1.3	3.4955
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:24	12.1690	166.0086	164.7832	166.2604	83.1%	-0.0022	-0.0011	0.0490
2	00:01:23	12.7603	166.3362	164.6877	166.4675	85.6%	-0.0042	-0.0060	0.0610
3	00:02:22	13.1921	166.5783	165.9767	167.0776	87.0%	-0.0000	-0.0042	0.0616
x		12.7071	166.3077	165.1492	166.6019	85.2%	-0.0021	-0.0038	0.0572
σ		0.5136	0.2859	0.7183	0.4248	2.0%	0.0021	0.0025	0.0071
%RSD		4.0418	0.1719	0.4349	0.2550	2.4	97.4552	66.7265	12.4709
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:00:24	0.0422	0.0591	82.4%	1.2735				
2	00:01:23	0.0700	0.0636	84.4%	1.2528				
3	00:02:22	0.0556	0.0661	86.6%	1.2620				
x		0.0559	0.0629	84.5%	1.2627				
σ		0.0139	0.0036	2.1%	0.0104				
%RSD		24.8575	5.6439	2.5	0.8216				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:50	99.0%	26.6087	25.0134	25.3876	25.6765	27.1200	25.2237	26.1419
2	00:09:49	98.4%	25.7450	24.6594	25.2119	25.1774	25.7851	24.9430	25.8050
3	00:10:48	97.6%	25.2415	24.5011	25.0695	25.2838	26.2703	25.0785	24.9844
x		98.3%	25.8651	24.7246	25.2230	25.3792	26.3918	25.0817	25.6438
σ		0.7%	0.6915	0.2623	0.1593	0.2629	0.6757	0.1404	0.5954
%RSD		0.7	2.6734	1.0610	0.6316	1.0358	2.5603	0.5597	2.3216
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:50	27.1304	28.1329	27.0680	25.9412	26.0197	24.8370	25.3758	24.1510
2	00:09:49	25.5705	27.4216	26.1093	26.7184	26.9984	24.7949	24.8734	23.7968
3	00:10:48	25.7686	27.0684	26.6846	25.5689	26.3003	25.0378	25.3484	24.9385
x		26.1565	27.5410	26.6206	26.0761	26.4395	24.8899	25.1992	24.2954
σ		0.8492	0.5422	0.4825	0.5865	0.5040	0.1298	0.2825	0.5844
%RSD		3.2466	1.9688	1.8126	2.2492	1.9062	0.5216	1.1209	2.4052
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:50	99.1%	24.1503	27.6258	26.7086	24.0127	24.1661	24.6990	24.0293
2	00:09:49	98.5%	24.0555	27.7882	25.3469	25.1722	24.7147	24.4948	24.4462
3	00:10:48	96.8%	23.3021	26.0018	24.3034	22.6650	24.7655	24.2885	24.2275
x		98.1%	23.8360	27.1386	25.4530	23.9500	24.5488	24.4941	24.2343
σ		1.2%	0.4648	0.9878	1.2061	1.2548	0.3324	0.2052	0.2085
%RSD		1.2	1.9498	3.6400	4.7387	5.2392	1.3538	0.8379	0.8605
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:50	100.9%	24.0487	23.9613	23.9012	23.9183	24.1424	96.2%	24.5666
2	00:09:49	99.5%	24.4375	24.2037	24.2366	24.0884	24.2899	97.4%	24.6518
3	00:10:48	98.8%	24.1608	24.5844	24.1830	24.0442	23.9087	97.7%	24.3770
x		99.7%	24.2157	24.2498	24.1069	24.0170	24.1137	97.1%	24.5318
σ		1.1%	0.2001	0.3141	0.1802	0.0883	0.1922	0.8%	0.1407
%RSD		1.1	0.8265	1.2954	0.7473	0.3675	0.7971	0.8	0.5734
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:50	24.3633	24.8441	24.8107	24.7965	93.3%	23.2251	23.2606	24.4625
2	00:09:49	24.1793	25.0111	24.9283	24.8133	95.8%	23.4674	23.4605	24.5705
3	00:10:48	24.0371	24.7775	24.9464	24.8437	97.1%	23.8796	23.7187	24.8017
x		24.1932	24.8776	24.8951	24.8178	95.4%	23.5240	23.4799	24.6116
σ		0.1635	0.1204	0.0737	0.0239	1.9%	0.3309	0.2297	0.1733
%RSD		0.6760	0.4839	0.2960	0.0963	2.0	1.4067	0.9782	0.7040
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:08:50	24.1636	24.2715	93.7%	23.8667				
2	00:09:49	24.7490	24.6591	95.7%	24.2025				
3	00:10:48	24.4619	24.6597	96.1%	24.6398				
x		24.4582	24.5301	95.2%	24.2363				
σ		0.2928	0.2240	1.2%	0.3876				
%RSD		1.1969	0.9130	1.3	1.5994				



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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:22:21	95.0%	0.0000	-0.0715	-0.1850	0.0784	2.2921	0.0524	0.0046
2	00:23:20	95.1%	0.0042	-0.0656	-0.2177	0.0788	2.4349	0.0499	0.0128
3	00:24:19	94.1%	0.0024	-0.0818	-0.0756	0.0931	2.0695	0.0395	0.0009
x		94.7%	0.0022	-0.0730	-0.1594	0.0834	2.2655	0.0473	0.0061
σ		0.6%	0.0021	0.0082	0.0744	0.0084	0.1841	0.0068	0.0061
%RSD		0.6	94.9469	11.2286	46.6805	10.0707	8.1281	14.4570	99.4675
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:22:21	-0.0041	-0.1728	1.0485	0.1582	0.0968	0.0523	0.2513	-0.0300
2	00:23:20	-0.0045	-0.5512	0.9876	0.0979	0.1696	0.0699	0.0240	-0.0003
3	00:24:19	-0.0071	0.3872	1.3255	0.0784	0.1280	0.1088	-0.1735	-0.0849
x		-0.0052	-0.1123	1.1205	0.1115	0.1315	0.0770	0.0339	-0.0384
σ		0.0016	0.4721	0.1801	0.0416	0.0365	0.0289	0.2126	0.0430
%RSD		30.9103	420.4207	16.0734	37.3274	27.7676	37.5423	626.6505	111.9485
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:22:21	92.7%	-0.0050	0.9869	1.4724	-0.0098	0.0264	0.0227	0.0272
2	00:23:20	95.1%	0.0378	0.8376	0.7991	0.1392	0.0528	0.0377	0.0340
3	00:24:19	93.9%	-0.0473	1.0783	0.4688	-0.1933	0.0654	0.0477	0.0382
x		93.9%	-0.0048	0.9676	0.9134	-0.0213	0.0482	0.0360	0.0332
σ		1.2%	0.0426	0.1215	0.5115	0.1665	0.0199	0.0126	0.0055
%RSD		1.3	885.2050	12.5555	55.9931	780.6942	41.2785	34.9588	16.6967
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:22:21	96.1%	0.0149	0.0159	-0.0015	0.0004	0.0029	92.6%	0.0129
2	00:23:20	96.9%	0.0170	0.0163	-0.0015	0.0015	0.0000	94.7%	0.0187
3	00:24:19	95.0%	0.0263	0.0252	-0.0015	0.0004	-0.0009	93.7%	0.0093
x		96.0%	0.0194	0.0191	-0.0015	0.0008	0.0007	93.7%	0.0136
σ		0.9%	0.0061	0.0053	0.0000	0.0006	0.0020	1.1%	0.0048
%RSD		1.0	31.4717	27.4987	0.0000	79.8922	285.5521	1.1	35.0914
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:22:21	0.0086	-0.0191	-0.0076	-0.0025	91.7%	0.0429	0.0340	0.0052
2	00:23:20	0.0135	-0.0195	0.0120	-0.0009	95.4%	0.0485	0.0543	0.0062
3	00:24:19	0.0120	-0.0122	0.0266	-0.0021	94.4%	0.0613	0.0528	0.0007
x		0.0114	-0.0169	0.0103	-0.0018	93.8%	0.0509	0.0470	0.0040
σ		0.0025	0.0041	0.0172	0.0008	1.9%	0.0094	0.0113	0.0029
%RSD		21.8918	24.3118	166.1255	46.0483	2.0	18.5393	24.0308	73.0213
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:22:21	0.0018	0.0047	91.9%	-0.0006				
2	00:23:20	-0.0029	0.0048	94.0%	-0.0008				
3	00:24:19	0.0040	0.0028	94.1%	-0.0022				
x		0.0009	0.0041	93.3%	-0.0012				
σ		0.0035	0.0011	1.2%	0.0009				
%RSD		373.6132	27.2215	1.3	72.0574				

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:20	88.5%	0.0466	53.5872	23.5226	3.4737	8.6427	4947.5717	0.7715
2	00:32:19	89.3%	0.0539	53.9375	23.5345	3.5940	7.0327	5042.7200	0.7422
3	00:33:16	89.7%	0.0524	53.0214	23.0489	3.4212	6.1386	5028.0220	0.6789
x		89.2%	0.0510	53.5154	23.3687	3.4963	7.2713	5006.1045	0.7309
σ		0.6%	0.0038	0.4623	0.2770	0.0886	1.2690	51.2209	0.0474
%RSD		0.7	7.5067	0.8638	1.1852	2.5333	17.4519	1.0232	6.4819
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:20	4.4824	145.3028	7.3130	0.7479	0.6610	4.3472	11.3158	9.5407
2	00:32:19	4.1785	132.5431	7.9131	0.6279	0.6416	4.4590	11.6876	9.5507
3	00:33:16	4.2822	132.5767	7.8403	0.6101	0.6166	4.3709	11.4612	9.1236
x		4.3144	136.8075	7.6888	0.6620	0.6397	4.3923	11.4882	9.4050
σ		0.1545	7.3571	0.3275	0.0749	0.0223	0.0589	0.1873	0.2437
%RSD		3.5812	5.3777	4.2594	11.3209	3.4823	1.3418	1.6308	2.5915
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:20	84.8%	4.0635	6.4479	2.1454	2.0857	0.1941	0.2071	0.1706
2	00:32:19	85.5%	4.0328	6.0792	1.5029	1.7772	0.2000	0.2703	0.1734
3	00:33:16	87.0%	3.9858	5.0588	1.6495	1.6837	0.1964	0.2648	0.2178
x		85.8%	4.0274	5.8620	1.7659	1.8489	0.1968	0.2474	0.1872
σ		1.1%	0.0391	0.7195	0.3367	0.2104	0.0030	0.0350	0.0265
%RSD		1.3	0.9707	12.2748	19.0689	11.3780	1.5206	14.1543	14.1359
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:20	82.6%	0.1482	0.0701	0.0455	0.0569	0.0012	83.5%	0.0677
2	00:32:19	84.0%	0.1246	0.0688	0.0344	0.0519	0.0012	85.4%	0.0784
3	00:33:16	83.1%	0.1308	0.0663	0.0447	0.0507	0.0053	85.6%	0.0819
x		83.3%	0.1345	0.0684	0.0415	0.0532	0.0026	84.8%	0.0760
σ		0.7%	0.0122	0.0019	0.0062	0.0032	0.0024	1.1%	0.0074
%RSD		0.8	9.0741	2.8239	14.9652	6.0985	92.0029	1.3	9.6945
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:20	0.0843	248.5046	249.1941	253.8288	85.9%	0.0522	0.0466	0.0133
2	00:32:19	0.0805	252.1373	250.7298	253.9503	88.0%	0.0648	0.0656	0.0149
3	00:33:16	0.0736	252.6942	249.5879	256.2772	89.3%	0.0595	0.0625	0.0052
x		0.0795	251.1120	249.8373	254.6855	87.7%	0.0589	0.0582	0.0111
σ		0.0054	2.2752	0.7976	1.3799	1.7%	0.0063	0.0102	0.0052
%RSD		6.8319	0.9060	0.3193	0.5418	2.0	10.6953	17.4777	47.0572
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:31:20	0.0081	0.0123	85.2%	0.0880				
2	00:32:19	0.0190	0.0129	86.9%	0.0940				
3	00:33:16	0.0051	0.0082	88.6%	0.0841				
x		0.0107	0.0111	86.9%	0.0887				
σ		0.0073	0.0025	1.7%	0.0050				
%RSD		68.4517	22.9275	1.9	5.6444				

K1004252-007 05/15/2010 12:35:53 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:53	103.2%	0.0074	4.3567	0.0151	0.2669	2.0033	0.4591	0.0828
2	00:36:52	103.7%	-0.0010	4.2132	-0.1453	0.2405	2.1409	1.1436	0.0625
3	00:37:51	103.3%	0.0001	4.3776	0.0318	0.2187	1.6547	0.9721	0.0695
X		103.4%	0.0021	4.3158	-0.0328	0.2421	1.9330	0.8583	0.0716
σ		0.3%	0.0045	0.0895	0.0978	0.0241	0.2506	0.3562	0.0103
%RSD		0.3	212.5511	2.0740	298.0929	9.9731	12.9659	41.5015	14.4094
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:53	0.0688	0.4989	1.5838	0.1560	0.0216	0.7786	0.4955	0.9186
2	00:36:52	0.0484	-0.9343	1.4620	0.1170	0.0022	0.9044	0.8168	0.9223
3	00:37:51	0.0416	0.4000	1.2899	0.0821	0.0106	0.8900	0.9867	0.8379
X		0.0530	-0.0118	1.4453	0.1184	0.0115	0.8577	0.7663	0.8929
σ		0.0141	0.8004	0.1477	0.0370	0.0097	0.0689	0.2495	0.0477
%RSD		26.7025	6786.8352	10.2176	31.2311	84.5780	8.0289	32.5583	5.3411
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:53	102.3%	0.0574	0.4639	1.3053	-0.0967	0.0311	0.0234	0.0260
2	00:36:52	101.9%	0.2657	0.5732	1.0174	0.5821	0.0156	0.0267	0.0276
3	00:37:51	100.2%	0.0700	0.6436	0.3749	0.3112	0.0156	0.0325	0.0353
X		101.5%	0.1310	0.5603	0.8992	0.2655	0.0208	0.0275	0.0296
σ		1.1%	0.1168	0.0905	0.4763	0.3417	0.0090	0.0046	0.0050
%RSD		1.1	89.1602	16.1614	52.9690	128.6904	43.2883	16.7621	16.8604
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:53	105.0%	0.0081	0.0072	-0.0015	0.0025	-0.0000	99.5%	0.0199
2	00:36:52	102.6%	0.0081	0.0090	-0.0015	0.0014	0.0026	101.2%	0.0304
3	00:37:51	103.0%	0.0098	0.0119	-0.0015	0.0003	0.0018	100.1%	0.0333
X		103.5%	0.0087	0.0094	-0.0015	0.0014	0.0015	100.3%	0.0279
σ		1.3%	0.0010	0.0024	0.0000	0.0011	0.0013	0.9%	0.0071
%RSD		1.3	11.5410	25.1111	0.0000	75.4499	91.3721	0.9	25.4112
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:53	0.0276	0.0075	0.0148	0.0194	95.4%	0.0182	0.0151	0.0173
2	00:36:52	0.0351	0.0636	0.0614	0.0466	98.7%	0.0223	0.0177	0.0280
3	00:37:51	0.0379	0.0372	0.0562	0.0309	98.8%	0.0162	0.0157	0.0238
X		0.0336	0.0361	0.0441	0.0323	97.7%	0.0189	0.0162	0.0230
σ		0.0053	0.0280	0.0256	0.0137	1.9%	0.0031	0.0014	0.0054
%RSD		15.8386	77.7111	57.9131	42.4176	2.0	16.3989	8.4013	23.5113
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:35:53	0.0263	0.0201	94.5%	-0.0001				
2	00:36:52	0.0179	0.0222	96.3%	0.0013				
3	00:37:51	0.0206	0.0202	98.2%	0.0004				
X		0.0216	0.0208	96.3%	0.0005				
σ		0.0043	0.0012	1.9%	0.0007				
%RSD		19.8583	5.6562	1.9	136.3482				

K1004252-008 05/15/2010 12:40:26 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:26	89.8%	0.0506	49.5990	22.3787	3.4839	5.8902	4845.1605	1.1499
2	00:41:25	90.1%	0.0393	50.0681	22.5163	3.3885	5.3131	4895.1606	1.1605
3	00:42:24	91.2%	0.0517	48.8596	23.0093	3.4468	4.7413	4904.0176	1.1319
x		90.4%	0.0472	49.5089	22.6348	3.4397	5.3149	4881.4462	1.1474
σ		0.7%	0.0069	0.6093	0.3316	0.0481	0.5744	31.7349	0.0145
%RSD		0.8	14.6151	1.2307	1.4649	1.3974	10.8082	0.6501	1.2601
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:26	4.6706	147.4407	7.3648	0.6558	0.7829	4.4800	11.4761	9.4270
2	00:41:25	4.2934	138.8273	7.4278	0.7131	0.7357	4.3929	12.5869	9.6362
3	00:42:24	4.2489	132.0086	7.4246	0.5800	0.6019	4.2809	11.7958	9.2652
x		4.4043	139.4255	7.4057	0.6496	0.7069	4.3846	11.9529	9.4428
σ		0.2317	7.7334	0.0355	0.0668	0.0939	0.0998	0.5718	0.1860
%RSD		5.2610	5.5466	0.4794	10.2799	13.2805	2.2755	4.7838	1.9694
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:26	86.2%	3.9674	5.3706	2.0989	2.1260	0.1459	0.2256	0.1553
2	00:41:25	86.5%	3.8997	4.9433	2.0198	1.4337	0.1739	0.1912	0.1727
3	00:42:24	87.5%	3.6631	5.0705	1.7206	1.3461	0.1805	0.1708	0.1690
x		86.7%	3.8434	5.1281	1.9464	1.6353	0.1668	0.1959	0.1657
σ		0.7%	0.1598	0.2194	0.1996	0.4272	0.0184	0.0277	0.0092
%RSD		0.8	4.1576	4.2789	10.2528	26.1240	11.0226	14.1419	5.5301
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:26	85.1%	0.1182	0.0513	0.0394	0.0368	0.0012	85.2%	0.0810
2	00:41:25	85.0%	0.1044	0.0475	0.0440	0.0364	0.0012	86.5%	0.0759
3	00:42:24	84.6%	0.1083	0.0429	0.0518	0.0378	0.0001	86.1%	0.0829
x		84.9%	0.1103	0.0472	0.0451	0.0370	0.0008	85.9%	0.0799
σ		0.3%	0.0071	0.0042	0.0063	0.0007	0.0006	0.7%	0.0036
%RSD		0.3	6.4610	8.8435	13.9865	1.9654	71.6826	0.8	4.5168
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:26	0.0714	242.4064	241.0549	245.4305	86.4%	0.0206	0.0205	0.0169
2	00:41:25	0.0964	243.2358	243.9197	247.8183	88.4%	0.0376	0.0299	0.0170
3	00:42:24	0.0985	247.0401	246.5766	251.5822	89.6%	0.0354	0.0315	0.0177
x		0.0887	244.2274	243.8504	248.2770	88.1%	0.0312	0.0273	0.0172
σ		0.0151	2.4709	2.7615	3.1014	1.6%	0.0092	0.0059	0.0004
%RSD		16.9905	1.0117	1.1325	1.2492	1.8	29.5591	21.7662	2.4479
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:40:26	0.0240	0.0169	85.9%	0.0800				
2	00:41:25	0.0242	0.0194	87.5%	0.0765				
3	00:42:24	0.0130	0.0142	87.7%	0.0909				
x		0.0204	0.0168	87.0%	0.0825				
σ		0.0064	0.0026	1.0%	0.0075				
%RSD		31.4042	15.3855	1.2	9.1068				

K1004475-003 05/15/2010 12:45:01 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:01	96.0%	0.0290	2.2672	0.8261	0.1188	6.1402	922.3039	2.4409
2	00:45:58	95.4%	0.0410	2.2381	0.9476	0.1311	6.1678	925.8179	2.3439
3	00:46:57	95.2%	0.0290	2.2405	0.7921	0.0946	6.9459	913.5787	2.3354
X		95.6%	0.0330	2.2486	0.8553	0.1148	6.4180	920.5669	2.3734
σ		0.4%	0.0069	0.0161	0.0818	0.0185	0.4574	6.3018	0.0586
%RSD		0.4	20.9934	0.7164	9.5615	16.1522	7.1268	0.6846	2.4691
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:01	4.3756	85.5351	3.6036	0.2871	0.6201	2.7091	8.6986	6.8852
2	00:45:58	4.1652	81.6722	3.4624	0.3569	0.5171	2.7906	7.7834	6.8774
3	00:46:57	4.1233	77.2498	3.3879	0.3118	0.5088	2.8536	7.8725	6.5974
X		4.2214	81.4857	3.4846	0.3186	0.5487	2.7844	8.1182	6.7867
σ		0.1352	4.1458	0.1096	0.0354	0.0620	0.0725	0.5047	0.1640
%RSD		3.2036	5.0877	3.1441	11.1094	11.2971	2.6022	6.2164	2.4158
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:01	94.1%	0.8943	3.6945	1.6423	0.3235	0.4404	0.4514	0.4766
2	00:45:58	92.7%	1.1290	3.1135	1.0217	0.2140	0.4421	0.3961	0.4534
3	00:46:57	92.5%	0.8625	4.4429	1.4179	1.0074	0.4018	0.4722	0.4710
X		93.1%	0.9619	3.7503	1.3607	0.5150	0.4281	0.4399	0.4670
σ		0.8%	0.1455	0.6664	0.3142	0.4300	0.0228	0.0393	0.0121
%RSD		0.9	15.1310	17.7707	23.0942	83.4914	5.3207	8.9355	2.5963
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:01	94.9%	0.0077	0.0066	-0.0015	-0.0007	0.0010	93.5%	0.1280
2	00:45:58	93.2%	0.0054	0.0036	0.0055	0.0027	0.0001	93.2%	0.1462
3	00:46:57	91.7%	0.0092	0.0043	-0.0015	-0.0007	0.0020	91.7%	0.1442
X		93.3%	0.0074	0.0048	0.0009	0.0004	0.0010	92.8%	0.1395
σ		1.6%	0.0019	0.0016	0.0040	0.0020	0.0010	1.0%	0.0100
%RSD		1.7	25.9476	33.2879	460.0004	455.1385	94.8084	1.0	7.1413
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:45:01	0.1198	168.4711	167.5747	169.4857	92.8%	0.0209	0.0183	0.0490
2	00:45:58	0.1337	168.6290	169.2474	170.9570	94.9%	0.0193	0.0212	0.0574
3	00:46:57	0.1375	170.2200	168.5327	170.6465	94.4%	0.0192	0.0137	0.0541
X		0.1303	169.1067	168.4516	170.3631	94.0%	0.0198	0.0177	0.0535
σ		0.0093	0.9674	0.8393	0.7755	1.1%	0.0010	0.0038	0.0042
%RSD		7.1402	0.5721	0.4982	0.4552	1.2	4.8111	21.2283	7.8957
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:45:01	0.0495	0.0576	92.4%	0.4206				
2	00:45:58	0.0625	0.0595	93.4%	0.4352				
3	00:46:57	0.0571	0.0613	94.5%	0.4184				
X		0.0563	0.0595	93.4%	0.4248				
σ		0.0065	0.0018	1.0%	0.0091				
%RSD		11.5912	3.0610	1.1	2.1438				

50ppb Mo STD 05/15/2010 12:49:31 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:31	103.1%	0.0074	0.0273	0.0871	0.0715	2.2367	0.2300	0.0004
2	00:50:28	104.9%	0.0059	0.0339	-0.0356	0.0621	2.2647	0.5603	-0.0024
3	00:51:27	104.0%	0.0057	0.0433	0.0002	0.0755	2.3142	0.4109	0.0051
x		104.0%	0.0063	0.0348	0.0172	0.0697	2.2719	0.4004	0.0010
σ		0.9%	0.0009	0.0081	0.0631	0.0069	0.0392	0.1654	0.0038
%RSD		0.9	14.4992	23.1769	366.4866	9.8797	1.7275	41.3057	359.7128
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:31	-0.0081	-0.8245	0.6696	0.0954	-0.0149	-0.0561	0.2018	-0.0264
2	00:50:28	0.0200	-1.4491	0.5994	0.0519	-0.0307	-0.0387	-0.0416	-0.0622
3	00:51:27	-0.0081	-0.6831	0.5958	0.0388	-0.0102	-0.0276	0.1403	-0.0399
x		0.0012	-0.9855	0.6216	0.0621	-0.0186	-0.0408	0.1002	-0.0428
σ		0.0162	0.4076	0.0416	0.0296	0.0107	0.0144	0.1265	0.0181
%RSD		1300.6197	41.3568	6.6966	47.7319	57.7351	35.3077	126.3090	42.2556
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:31	101.5%	0.0172	0.3782	1.1650	-0.0655	50.1290	51.3776	49.6949
2	00:50:28	102.1%	0.1996	0.5645	0.9265	0.6117	50.2465	48.8285	48.9936
3	00:51:27	101.1%	0.0826	1.0206	0.8041	0.5126	49.5291	50.0116	49.7721
x		101.6%	0.0998	0.6544	0.9652	0.3530	49.9682	50.0726	49.4869
σ		0.5%	0.0924	0.3305	0.1835	0.3657	0.3848	1.2756	0.4289
%RSD		0.5	92.6288	50.4987	19.0136	103.6209	0.7701	2.5476	0.8668
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:31	103.6%	0.0015	0.0073	0.0613	0.0441	0.0562	98.8%	0.0134
2	00:50:28	105.3%	0.0020	0.0066	0.0814	0.0527	0.0552	100.7%	0.0112
3	00:51:27	105.4%	0.0025	0.0038	0.0792	0.0400	0.0489	100.9%	0.0150
x		104.8%	0.0020	0.0059	0.0740	0.0456	0.0534	100.1%	0.0132
σ		1.0%	0.0005	0.0019	0.0110	0.0065	0.0039	1.2%	0.0019
%RSD		1.0	26.3223	31.8183	14.8844	14.1494	7.3861	1.2	14.6056
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:31	0.0130	-0.0164	0.0169	0.0116	95.4%	0.0149	0.0063	0.0037
2	00:50:28	0.0070	0.0305	0.0372	0.0602	97.5%	0.0093	0.0072	-0.0012
3	00:51:27	0.0078	0.0473	0.0294	0.0341	97.7%	0.0125	0.0067	-0.0005
x		0.0093	0.0204	0.0278	0.0353	96.9%	0.0122	0.0067	0.0007
σ		0.0032	0.0330	0.0102	0.0243	1.2%	0.0028	0.0004	0.0026
%RSD		34.9424	161.4528	36.7073	68.8548	1.3	23.3107	6.6614	390.5921
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:49:31	-0.0012	0.0018	93.4%	-0.0024				
2	00:50:28	0.0048	0.0010	96.7%	-0.0007				
3	00:51:27	-0.0019	0.0012	97.5%	-0.0027				
x		0.0006	0.0013	95.9%	-0.0019				
σ		0.0037	0.0004	2.2%	0.0011				
%RSD		652.2598	32.4833	2.2	54.6192				

$$\frac{C_{207}}{M_{207}} = \frac{0.0740}{49.7682} = 0.0014809$$

CCV13 05/15/2010 12:56:36 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:36	97.5%	27.2867	24.9560	26.2576	26.0352	28.3871	25.4528	26.3985
2	00:57:35	98.0%	26.5043	24.5486	25.0352	25.3748	28.1079	25.2732	25.8219
3	00:58:34	96.5%	25.8936	24.5361	25.4431	24.9935	28.0860	25.1163	25.2431
x		97.3%	26.5615	24.6803	25.5786	25.4679	28.1937	25.2808	25.8212
σ		0.7%	0.6983	0.2389	0.6224	0.5271	0.1679	0.1684	0.5777
%RSD		0.7	2.6290	0.9681	2.4331	2.0695	0.5955	0.6659	2.2373
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:36	26.6720	29.3939	27.4658	26.5949	26.3790	24.6939	25.6086	25.0126
2	00:57:35	26.1850	30.0743	26.4422	25.6703	25.8732	24.3475	25.1981	23.9779
3	00:58:34	25.5139	25.3448	25.9225	25.4571	25.7557	24.3035	24.7388	24.3604
x		26.1237	28.2710	26.6102	25.9074	26.0027	24.4483	25.1818	24.4503
σ		0.5815	2.5569	0.7852	0.6048	0.3312	0.2138	0.4351	0.5232
%RSD		2.2259	9.0443	2.9509	2.3345	1.2736	0.8747	1.7279	2.1397
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:36	94.8%	24.4789	26.0529	26.6184	24.0579	24.2090	24.5328	24.3593
2	00:57:35	96.3%	24.5780	25.2313	25.0144	24.0007	24.1678	24.3191	23.9640
3	00:58:34	96.2%	23.4587	26.1258	24.2312	24.2226	24.5573	24.3886	24.0133
x		95.7%	24.1719	25.8033	25.2880	24.0938	24.3114	24.4135	24.1122
σ		0.8%	0.6196	0.4968	1.2169	0.1152	0.2140	0.1090	0.2154
%RSD		0.8	2.5632	1.9252	4.8122	0.4782	0.8801	0.4467	0.8935
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:36	97.5%	24.4328	24.6248	23.9347	23.6639	24.1701	94.8%	23.8666
2	00:57:35	98.0%	24.1860	24.0611	24.3416	23.6183	24.2578	95.8%	23.9968
3	00:58:34	97.2%	24.3350	24.5528	24.1213	23.8235	24.3415	95.5%	24.3285
x		97.6%	24.3179	24.4129	24.1325	23.7019	24.2565	95.4%	24.0640
σ		0.4%	0.1243	0.3068	0.2037	0.1078	0.0857	0.5%	0.2382
%RSD		0.4	0.5111	1.2565	0.8439	0.4546	0.3532	0.6	0.9897
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:56:36	23.8048	25.2317	24.3523	24.7390	90.8%	24.3130	24.0350	24.4300
2	00:57:35	23.8020	25.0497	24.5141	24.5148	94.2%	24.1426	24.0015	24.1835
3	00:58:34	24.1104	24.6676	24.6250	24.9523	94.0%	24.4044	24.4125	24.5234
x		23.9057	24.9830	24.4971	24.7353	93.0%	24.2866	24.1497	24.3790
σ		0.1772	0.2879	0.1371	0.2188	1.9%	0.1329	0.2282	0.1756
%RSD		0.7414	1.1524	0.5599	0.8845	2.1	0.5471	0.9450	0.7203
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	00:56:36	24.4974	24.4598	91.1%	23.7742				
2	00:57:35	24.4757	24.2690	93.9%	24.1918				
3	00:58:34	24.5355	24.5796	94.5%	24.4120				
x		24.5029	24.4361	93.2%	24.1260				
σ		0.0303	0.1567	1.8%	0.3240				
%RSD		0.1237	0.6411	2.0	1.3428				

CCB13 05/15/2010 01:07:15 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	27Al	51V	52Cr	53Cr	55Mn	59Co
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:15	93.8%	0.0019	-0.0787	-0.0228	0.0341	3.0813	0.0625	0.0024
2	01:08:14	94.5%	-0.0014	-0.0883	-0.0576	0.0583	2.8408	0.0597	0.0053
3	01:09:13	92.7%	-0.0010	-0.0871	0.0821	0.0568	2.5188	0.0479	-0.0034
x		93.7%	-0.0002	-0.0847	0.0006	0.0497	2.8136	0.0567	0.0014
σ		0.9%	0.0018	0.0052	0.0727	0.0136	0.2822	0.0077	0.0044
%RSD		1.0	996.0678	6.1312	12754.2560	27.2884	10.0313	13.6566	308.2640
Run	Time	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:15	-0.0012	0.8882	0.6038	0.0936	0.0228	0.0191	0.1147	-0.0409
2	01:08:14	-0.0125	1.3072	0.6547	0.0557	0.0641	-0.0259	0.0989	-0.0290
3	01:09:13	0.0043	-2.1539	0.5597	0.0281	0.0382	0.0091	0.0018	-0.0541
x		-0.0031	0.0138	0.6061	0.0591	0.0417	0.0008	0.0718	-0.0413
σ		0.0086	1.8890	0.0476	0.0329	0.0209	0.0237	0.0611	0.0125
%RSD		273.2886	13648.4530	7.8505	55.6809	50.1044	3135.9964	85.1306	30.3493
Run	Time	71Ga	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:15	92.4%	0.1687	0.4051	0.8598	0.5528	0.0331	0.0266	0.0305
2	01:08:14	92.1%	0.1483	0.7271	0.7386	0.5873	0.0694	0.0632	0.0608
3	01:09:13	93.5%	0.1091	0.7635	0.3851	0.4733	0.0678	0.0480	0.0456
x		92.7%	0.1420	0.6319	0.6612	0.5378	0.0567	0.0459	0.0456
σ		0.8%	0.0303	0.1973	0.2466	0.0585	0.0205	0.0184	0.0151
%RSD		0.8	21.3365	31.2213	37.3044	10.8769	36.1022	40.0445	33.1845
Run	Time	103Rh	107Ag	109Ag	111Cd	112Cd	114Cd	115In	121Sb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:15	92.9%	0.0110	0.0074	0.0009	0.0005	0.0011	90.7%	0.0060
2	01:08:14	95.5%	0.0107	0.0129	0.0009	0.0016	0.0010	91.8%	0.0031
3	01:09:13	94.4%	0.0102	0.0086	-0.0015	0.0016	0.0010	91.8%	0.0031
x		94.3%	0.0107	0.0096	0.0001	0.0012	0.0010	91.4%	0.0041
σ		1.3%	0.0004	0.0029	0.0014	0.0007	0.0000	0.6%	0.0017
%RSD		1.4	3.7613	29.8752	1159.3244	53.8595	1.3923	0.7	41.3614
Run	Time	123Sb	135Ba	137Ba	138Ba	175Lu	203Tl	205Tl	206Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:07:15	0.0026	-0.0262	-0.0031	0.0049	90.1%	0.0209	0.0097	-0.0023
2	01:08:14	0.0078	-0.0045	-0.0055	-0.0050	93.0%	0.0085	0.0088	0.0010
3	01:09:13	0.0043	-0.0118	0.0110	-0.0015	93.0%	0.0164	0.0144	0.0040
x		0.0049	-0.0142	0.0008	-0.0006	92.0%	0.0153	0.0110	0.0009
σ		0.0027	0.0111	0.0089	0.0050	1.7%	0.0063	0.0030	0.0032
%RSD		54.5237	78.2705	1117.8784	899.7754	1.8	41.0047	27.4129	341.5699
Run	Time	207Pb	208Pb	232Th	238U				
		ppb	ppb	ppb	ppb				
1	01:07:15	0.0049	0.0020	88.8%	0.0016				
2	01:08:14	0.0055	0.0041	92.6%	-0.0022				
3	01:09:13	0.0066	0.0046	92.9%	-0.0002				
x		0.0057	0.0036	91.5%	-0.0003				
σ		0.0009	0.0014	2.3%	0.0019				
%RSD		15.4674	38.6925	2.5	696.0298				



### Performance Report

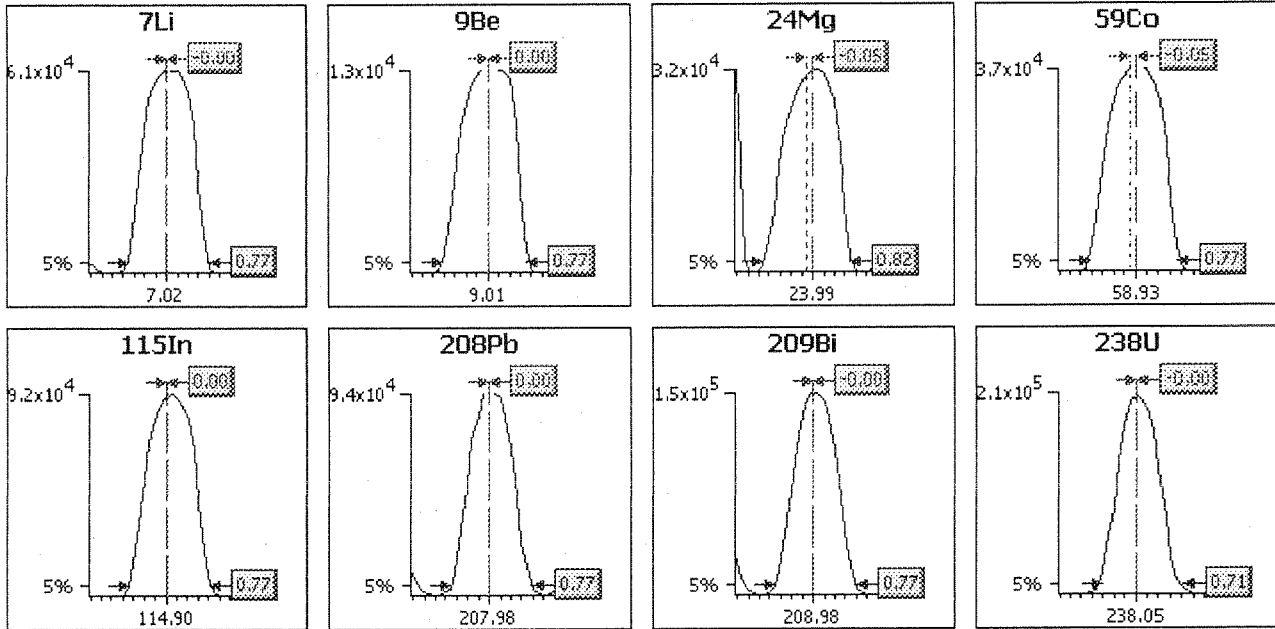
**Sample details**

Acquired at : 05/17/2010 09:52:34 AM  
 Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

**Mass Calibration verification**

**Acquisition parameters**

Sweeps : 100  
 Dwell : 1.0 mSecs  
 Point spacing : 0.05 amu  
 Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.90	0.60	0.10	0.77	-0.00
9Be	0.90	0.60	0.10	0.77	0.00
24Mg	0.90	0.60	0.10	0.82	-0.05
59Co	0.90	0.60	0.10	0.77	-0.05
115In	0.90	0.60	0.10	0.77	0.00
208Pb	0.90	0.60	0.10	0.77	0.00
209Bi	0.90	0.60	0.10	0.77	-0.00
238U	0.90	0.60	0.10	0.71	-0.00

**Sample details**

Acquired at : 05/17/2010 09:52:34 AM

Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

**Tune conditions**

Major		Minor		Global		Add. Gases
Extraction	-106	Lens 2	-17.3	Standard resolution	115	
Lens 1	4.7	Lens 3	-182.7	High resolution	105	
Focus	20.2	Forward power	1200	Analogue Detector	2000	
D1	-37.6	Horizontal	111	PC Detector	3422	
Pole Bias	0.4	Vertical	19			
Hexapole Bias	4.9	D2	-151			
Nebuliser	0.71	DA	-42.4			
Sampling Depth	20	Cool	13.0			
		Auxiliary	0.67			

**Sensitivity and stability results****Acquisition parameters**

Sweeps : 400

Run	Time	5Bkg	7Li	9Be	24Mg	59Co	115In	140Ce	156Ce O	208Pb
<b>Dwell (mSecs)</b>		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Limits</b>	<b>%RSD</b>	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	-	5.0%
	<b>Countrate</b>	-	>1000	>1000	>1000	>1000	>1000	-	-	>1000
1	09:53:06 AM	0.000	61492.270	13433.668	31964.848	38051.971	93833.776	100615.22	1646.149	99043.354
2	09:54:19 AM	0.000	61389.328	13332.019	31998.466	38310.554	93827.967	100727.46	1651.900	99341.582
3	09:55:32 AM	0.000	61859.499	13428.160	31806.042	38001.511	93810.791	100719.12	1616.144	99296.594
4	09:56:45 AM	0.000	61579.609	13459.957	31822.098	37952.306	93647.874	100772.96	1683.156	99131.558
5	09:57:58 AM	0.000	61558.466	13380.089	32061.688	37911.888	93407.672	100802.28	1614.893	99251.354
x		0.000	61575.835	13406.779	31930.628	38045.646	93705.616	100727.41	1642.448	99212.888
$\sigma$		0.00	175.04	50.77	112.08	157.14	183.41	71.30	28.33	122.89
<b>%RSD</b>		0.000	0.284	0.379	0.351	0.413	0.196	0.071	1.725	0.124

Run	Time	209Bi	220Bkg	238U
<b>Dwell (mSecs)</b>		10.0	10.0	10.0
<b>Limits</b>	<b>%RSD</b>	5.0%	-	5.0%
	<b>Countrate</b>	>1000	-	>1000
1	09:53:06 AM	151200.52	0.250	214094.67
2	09:54:19 AM	151368.78	0.000	213973.87
3	09:55:32 AM	151487.74	0.000	213552.90
4	09:56:45 AM	151312.61	0.000	214153.28
5	09:57:58 AM	151020.31	0.250	213584.63
x		151277.99	0.100	213871.87
$\sigma$		177.37	0.14	284.38
<b>%RSD</b>		0.117	136.931	0.133

**Ratio results**

Run	Time	156Ce O/140Ce
<b>Ratio limits</b>		<0.0200
1	09:53:06 AM	0.016
2	09:54:19 AM	0.016
3	09:55:32 AM	0.016
4	09:56:45 AM	0.017
5	09:57:58 AM	0.016
x		0.0163
$\sigma$		0.00
<b>%RSD</b>		1.7295

Result : The performance report passed.

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	Cal. Blk	Blank	1.000	0	1	1	150
2	Cal. Stn	Fully Quant Standard	1.000	0	1	2	150
3	ICV1	Unknown	1.000	0	1	3	150
4	CCV1	Unknown	1.000	0	1	2	150
5	ICB1	Unknown	1.000	0	1	1	150
6	CCB1	Unknown	1.000	0	1	1	150
7	CRA	Unknown	1.000	0	1	4	150
8	ICSA	Unknown	1.000	0	1	5	150
9	ICSAB	Unknown	1.000	0	1	6	150
10	K1004738-MB	Unknown	1.000	1	1	11	150
11	LCSW	Unknown	1.000	1	1	12	150
12	K1004738-011	Unknown	1.000	1	2	1	150
13	K1004738-012	Unknown	1.000	1	2	2	150
14	K1004738-013	Unknown	1.000	1	2	3	150
15	K1004738-013D	Unknown	1.000	1	2	4	150
16	K1004738-013S	Unknown	1.000	1	2	5	150
17	CCV2	Unknown	1.000	0	1	2	150
18	CCB2	Unknown	1.000	0	1	1	150
19	K1004738-014	Unknown	1.000	1	2	6	150
20	K1004510-MB	Unknown	1.000	1	2	7	150
21	LCSW	Unknown	1.000	1	2	8	150
22	K1004510-001	Unknown	1.000	1	2	9	150
23	K1004510-001D	Unknown	1.000	1	2	10	150
24	K1004510-001S	Unknown	1.000	1	2	11	150
25	K1004510-002	Unknown	1.000	1	2	12	150
26	K1004510-003	Unknown	1.000	1	3	1	150
27	K1004510-005	Unknown	1.000	1	3	2	150
28	K1004510-001 DISS	Unknown	1.000	1	3	3	150
29	CCV3	Unknown	1.000	0	1	2	150
30	CCB3	Unknown	1.000	0	1	1	150

• MB LCS  
 only  
 Cu  
 Pb  
 V

**Dilution Corrected Concentrations**

Cal. Blk 05/17/2010 04:55:08 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:08	-0.0456	0.0358	-0.0030	-0.0174	-0.0578	0.0117	100.1%	100.4%
2	16:55:31	0.0179	-0.0126	0.0084	0.0176	0.0067	-0.0088	98.6%	99.4%
3	16:55:54	0.0277	-0.0232	-0.0054	-0.0002	0.0511	-0.0029	101.3%	100.2%
x		-0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0000	100.0%	100.0%
σ		0.0398	0.0315	0.0074	0.0175	0.0548	0.0106	1.4%	0.5%
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.4	0.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:55:08	0.0009	-0.0035	0.0006					
2	16:55:31	0.0004	0.0021	0.0004					
3	16:55:54	-0.0013	0.0014	-0.0011					
x		0.0000	0.0000	-0.0000					
σ		0.0011	0.0030	0.0009					
%RSD		0.0000	0.0000	0.0000					

Cal. Stn 05/17/2010 04:57:50 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:57:50	24.4491	24.3994	24.4525	24.1923	23.1929	24.4410	99.5%	95.8%
2	16:58:12	25.4758	25.8637	25.5838	26.0344	25.7356	25.7510	97.3%	97.1%
3	16:58:34	25.0751	24.7369	24.9637	24.7733	26.0715	24.8080	99.0%	99.7%
x		25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	98.6%	97.6%
σ		0.5174	0.7668	0.5665	0.9418	1.5740	0.6758	1.2%	2.0%
%RSD		2.0697	3.0671	2.2662	3.7671	6.2960	2.7032	1.2	2.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:57:50	24.3987	24.7942	24.6102					
2	16:58:12	25.4737	25.1489	25.4076					
3	16:58:34	25.1277	25.0569	24.9822					
x		25.0000	25.0000	25.0000					
σ		0.5487	0.1841	0.3990					
%RSD		2.1950	0.7362	1.5961					

ICV1 05/17/2010 05:00:33 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:33	24.6105	12.5652	12.5434	25.1490	27.6194	26.4217	99.5%	97.7%
2	17:00:54	25.1444	12.6490	12.7919	26.4873	28.4841	28.2084	99.2%	99.0%
3	17:01:17	24.7403	12.4878	12.3784	25.0386	27.5826	27.7721	100.2%	100.1%
x		24.8317	12.5673	12.5712	25.5583	27.8953	27.4674	99.6%	98.9%
σ		0.2785	0.0806	0.2081	0.8064	0.5102	0.9315	0.5%	1.2%
%RSD		1.1215	0.6414	1.6557	3.1553	1.8289	3.3912	0.5	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:00:33	23.2012	25.4019	24.3625					
2	17:00:54	23.3437	26.0217	24.8559					
3	17:01:17	23.7507	26.6652	25.2612					
x		23.4319	26.0296	24.8265					
σ		0.2852	0.6317	0.4501					
%RSD		1.2171	2.4268	1.8128					

CCV1 05/17/2010 05:03:17 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:03:17	24.7737	24.6379	24.8402	24.7995	23.7878	25.2779	97.6%	97.4%
2	17:03:39	24.5501	24.6154	24.1622	24.0958	23.2587	24.8437	99.7%	97.9%
3	17:04:00	24.8993	24.4054	24.0756	24.3534	24.1445	23.9233	99.3%	99.7%
x		24.7410	24.5529	24.3593	24.4162	23.7303	24.6816	98.9%	98.3%
σ		0.1769	0.1283	0.4187	0.3560	0.4457	0.6917	1.1%	1.2%
%RSD		0.7150	0.5224	1.7187	1.4581	1.8782	2.8026	1.2	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:03:17	24.2249	23.9644	24.0518					
2	17:03:39	24.9233	24.7943	24.9069					
3	17:04:00	24.6205	24.7548	24.7224					
x		24.5896	24.5045	24.5604					
σ		0.3502	0.4681	0.4500					
%RSD		1.4242	1.9105	1.8321					

ICB1 05/17/2010 05:05:55 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:55	0.0791	0.1106	-0.0132	-0.0154	0.1420	0.0405	98.7%	96.0%
2	17:06:17	0.1683	0.1131	0.0078	-0.0325	-0.1708	-0.0275	99.3%	97.5%
3	17:06:39	0.0483	0.0577	0.0363	0.0479	0.0671	-0.0310	98.2%	99.6%
x		0.0986	0.0938	0.0103	-0.0000	0.0128	-0.0060	98.7%	97.7%
σ		0.0623	0.0313	0.0248	0.0423	0.1633	0.0403	0.6%	1.8%
%RSD		63.2393	33.3524	241.1383	1126033.1000	1279.9642	668.1362	0.6	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:05:55	-0.0016	0.0024	-0.0005					
2	17:06:17	0.0005	0.0009	0.0009					
3	17:06:39	0.0031	0.0007	0.0013					
x		0.0007	0.0013	0.0006					
σ		0.0023	0.0010	0.0009					
%RSD		336.8316	70.8717	162.2351					

CCB1 05/17/2010 05:08:16 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:16	0.1554	0.1117	0.0495	0.0238	-0.1445	0.0020	97.0%	95.2%
2	17:08:39	-0.0035	0.0867	-0.0084	0.0030	0.0114	0.0515	97.5%	97.2%
3	17:09:01	0.0633	0.0518	0.0322	0.0426	-0.0733	-0.0363	99.1%	99.4%
x		0.0717	0.0834	0.0244	0.0232	-0.0688	0.0057	97.9%	97.3%
σ		0.0797	0.0301	0.0297	0.0198	0.0781	0.0440	1.1%	2.1%
%RSD		111.1713	36.1153	121.6030	85.4843	113.4863	768.4787	1.1	2.1
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:08:16	0.0030	0.0011	0.0021					
2	17:08:39	-0.0033	-0.0005	0.0000					
3	17:09:01	0.0036	0.0007	0.0035					
x		0.0011	0.0004	0.0019					
σ		0.0038	0.0008	0.0017					
%RSD		343.8920	196.4146	92.1326					

CRA 05/17/2010 05:16:43 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:43	0.0612	0.2403	0.1865	0.5200	0.2226	0.5762	95.4%	93.9%
2	17:17:04	0.2124	0.2370	0.1250	0.6018	0.5159	0.5065	98.3%	95.9%
3	17:17:26	0.2236	0.1237	0.0964	0.5905	0.6847	0.4632	97.2%	99.3%
x		0.1657	0.2003	0.1359	0.5707	0.4744	0.5153	97.0%	96.4%
σ		0.0907	0.0664	0.0461	0.0443	0.2339	0.0570	1.4%	2.7%
%RSD		54.7317	33.1506	33.8934	7.7635	49.2933	11.0621	1.5	2.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:16:43	0.0088	0.0152	0.0170					
2	17:17:04	0.0173	0.0154	0.0223					
3	17:17:26	0.0208	0.0161	0.0174					
x		0.0156	0.0156	0.0189					
σ		0.0062	0.0005	0.0030					
%RSD		39.5493	2.9560	15.6784					

ICSA 05/17/2010 05:18:49 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:49	-0.0160	0.5772	1.0437	1.3469	2.9608	1.0770	94.8%	94.4%
2	17:19:11	0.1455	0.5880	0.8814	1.4362	3.2621	1.0592	94.4%	94.0%
3	17:19:33	-0.0783	0.5698	0.8889	1.5332	2.4906	1.2018	95.6%	95.3%
x		0.0170	0.5783	0.9380	1.4387	2.9045	1.1127	94.9%	94.6%
σ		0.1155	0.0091	0.0917	0.0932	0.3888	0.0777	0.6%	0.7%
%RSD		677.9834	1.5818	9.7719	6.4747	13.3861	6.9814	0.7	0.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:18:49	0.1086	0.0942	0.1194					
2	17:19:11	0.1278	0.1387	0.1300					
3	17:19:33	0.1131	0.1397	0.1233					
x		0.1165	0.1242	0.1242					
σ		0.0100	0.0260	0.0054					
%RSD		8.6080	20.9305	4.3144					

ICSA B 05/17/2010 05:21:14 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:14	48.5411	46.5951	46.9323	24.2008	25.5994	23.1223	93.2%	92.4%
2	17:21:36	47.9650	45.5850	46.9777	24.3414	26.1037	23.7181	94.5%	93.6%
3	17:21:58	48.9359	45.0116	46.1845	25.0175	26.7018	23.2840	93.9%	94.6%
x		48.4807	45.7306	46.6982	24.5199	26.1350	23.3748	93.9%	93.5%
σ		0.4883	0.8017	0.4454	0.4366	0.5519	0.3081	0.6%	1.1%
%RSD		1.0072	1.7531	0.9538	1.7807	2.1116	1.3181	0.7	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:21:14	0.1290	0.1309	0.1401					
2	17:21:36	0.1220	0.1327	0.1287					
3	17:21:58	0.1247	0.1261	0.1337					
x		0.1253	0.1299	0.1342					
σ		0.0035	0.0034	0.0057					
%RSD		2.8167	2.5894	4.2533					

**K1004738-MB** 05/17/2010 05:23:56 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:56	0.2421	0.2184	-0.0500	0.0080	0.0158	0.0668	96.6%	96.2%
2	17:24:18	0.1244	0.1538	-0.0306	0.0091	0.2850	0.0056	97.8%	97.9%
3	17:24:40	0.0310	0.1301	-0.0288	0.0120	0.0679	0.1322	98.0%	99.7%
x		0.1325	0.1674	-0.0364	0.0097	0.1229	0.0682	97.5%	97.9%
σ		0.1058	0.0457	0.0117	0.0021	0.1428	0.0633	0.8%	1.7%
%RSD		79.8249	27.3010	32.2268	21.4578	116.1605	92.8118	0.8	1.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:23:56	-0.0038	-0.0019	-0.0032					
2	17:24:18	-0.0044	-0.0027	-0.0033					
3	17:24:40	-0.0050	-0.0055	-0.0043					
x		-0.0044	-0.0034	-0.0036					
σ		0.0006	0.0019	0.0007					
%RSD		13.5212	56.8226	18.1880					

**LCSW** 05/17/2010 05:26:37 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:26:37	18.5332	19.7084	18.9375	19.5246	18.5553	19.2924	99.8%	97.4%
2	17:26:58	19.6070	19.9732	19.4383	20.5753	19.4114	20.1467	98.4%	97.7%
3	17:27:20	19.3746	19.8548	19.4605	19.9164	20.3562	20.1063	98.6%	99.3%
x		19.1716	19.8455	19.2787	20.0054	19.4410	19.8485	98.9%	98.1%
σ		0.5649	0.1327	0.2958	0.5310	0.9008	0.4820	0.7%	1.0%
%RSD		2.9467	0.6684	1.5341	2.6542	4.6336	2.4284	0.8	1.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:26:37	19.0381	18.8963	18.9107					
2	17:26:58	19.6858	19.4621	19.6623					
3	17:27:20	19.4127	19.6008	19.4978					
x		19.3789	19.3197	19.3569					
σ		0.3252	0.3732	0.3951					
%RSD		1.6781	1.9316	2.0411					

**K1004738-011** 05/17/2010 05:29:21 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:21	0.5389	4.2028	4.0907	9.6042	9.5767	11.0368	94.9%	92.7%
2	17:29:43	0.8099	3.9828	3.9479	9.0989	9.6157	10.4813	97.8%	96.5%
3	17:30:05	0.7100	3.9109	3.8723	9.9754	10.2402	10.1387	97.2%	97.8%
x		0.6862	4.0322	3.9703	9.5595	9.8109	10.5523	96.6%	95.6%
σ		0.1370	0.1520	0.1109	0.4399	0.3723	0.4532	1.5%	2.7%
%RSD		19.9698	3.7709	2.7929	4.6022	3.7951	4.2949	1.6	2.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:29:21	0.3569	0.3946	0.3784					
2	17:29:43	0.3530	0.3903	0.3620					
3	17:30:05	0.3628	0.3743	0.3721					
x		0.3576	0.3864	0.3708					
σ		0.0050	0.0107	0.0083					
%RSD		1.3846	2.7731	2.2323					

**K1004738-012** 05/17/2010 05:32:00 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:32:00	0.8011	3.8472	3.4936	15.2694	15.7481	15.5946	97.4%	93.8%
2	17:32:21	0.8415	3.8114	3.6112	15.3327	14.8299	15.3839	96.1%	95.1%
3	17:32:43	0.8453	3.5487	3.5645	15.1125	14.2175	15.6102	97.2%	97.8%
x		0.8293	3.7358	3.5565	15.2382	14.9318	15.5296	96.9%	95.6%
σ		0.0245	0.1630	0.0592	0.1134	0.7704	0.1264	0.7%	2.1%
%RSD		2.9517	4.3627	1.6650	0.7441	5.1591	0.8140		
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:32:00	0.3753	0.4209	0.3997					
2	17:32:21	0.3558	0.4111	0.3848					
3	17:32:43	0.3622	0.4004	0.3848					
x		0.3644	0.4108	0.3898					
σ		0.0099	0.0103	0.0086					
%RSD		2.7296	2.4958	2.2123					

**K1004738-013** 05/17/2010 05:34:49 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:49	0.1027	4.7805	4.7332	33.0574	30.0819	32.9084	96.5%	94.7%
2	17:35:12	0.2502	4.6263	4.3803	32.9491	28.6181	32.3842	97.3%	97.0%
3	17:35:34	0.4580	4.4594	4.2265	31.0177	29.2499	30.3473	98.9%	100.9%
x		0.2703	4.6220	4.4467	32.3414	29.3166	31.8800	97.6%	97.5%
σ		0.1785	0.1606	0.2598	1.1476	0.7342	1.3530	1.2%	3.2%
%RSD		66.0296	3.4746	5.8428	3.5484	2.5042	4.2439	1.2	3.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:34:49	0.6342	0.6511	0.6560					
2	17:35:12	0.6241	0.7319	0.6722					
3	17:35:34	0.5836	0.6454	0.6260					
x		0.6140	0.6761	0.6514					
σ		0.0268	0.0484	0.0235					
%RSD		4.3667	7.1546	3.6022					

**K1004738-013D** 05/17/2010 05:37:30 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:37:30	-0.0915	4.3736	4.2674	31.5121	28.3765	31.5748	98.4%	95.5%
2	17:37:52	0.3244	4.2418	4.2823	32.4734	31.0476	31.2947	99.0%	98.6%
3	17:38:13	0.2232	4.4688	4.5408	33.5439	29.8855	34.0086	94.8%	97.0%
x		0.1520	4.3614	4.3635	32.5098	29.7699	32.2927	97.4%	97.1%
σ		0.2169	0.1140	0.1537	1.0164	1.3393	1.4926	2.3%	1.6%
%RSD		142.6983	2.6137	3.5224	3.1263	4.4988	4.6221	2.3	1.6
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:37:30	0.5980	0.6707	0.6610					
2	17:37:52	0.6356	0.7306	0.6713					
3	17:38:13	0.6553	0.7453	0.7029					
x		0.6296	0.7155	0.6784					
σ		0.0291	0.0395	0.0218					
%RSD		4.6235	5.5225	3.2139					



K1004738-0135 05/17/2010 05:40:09 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:09	18.8538	23.2563	22.4909	50.4247	48.0865	49.7355	96.3%	95.8%
2	17:40:31	19.0831	23.4422	22.7371	52.6197	48.9443	50.4430	95.9%	97.6%
3	17:40:53	18.9289	22.5110	21.7961	50.8812	46.9158	49.1074	96.5%	98.5%
x		18.9553	23.0698	22.3414	51.3086	47.9822	49.7620	96.2%	97.3%
σ		0.1169	0.4928	0.4880	1.1582	1.0183	0.6682	0.3%	1.4%
%RSD		0.6169	2.1363	2.1842	2.2573	2.1221	1.3428	0.3	1.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:40:09	18.9224	18.8722	18.9285					
2	17:40:31	18.9580	18.9264	18.9601					
3	17:40:53	19.0524	18.7178	18.9989					
x		18.9776	18.8388	18.9625					
σ		0.0672	0.1082	0.0352					
%RSD		0.3540	0.5743	0.1858					

CCV2 05/17/2010 05:42:50 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:50	24.6104	25.7626	25.1956	24.5984	23.9900	25.3355	100.8%	98.8%
2	17:43:12	25.2807	25.6325	25.7172	25.3167	24.8646	24.6726	101.4%	99.8%
3	17:43:34	24.3012	24.4716	23.9747	24.4846	23.2231	24.1941	104.4%	102.3%
x		24.7308	25.2889	24.9625	24.7999	24.0259	24.7341	102.2%	100.3%
σ		0.5007	0.7108	0.8944	0.4512	0.8214	0.5732	2.0%	1.8%
%RSD		2.0247	2.8106	3.5828	1.8192	3.4187	2.3173	1.9	1.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:42:50	24.5523	24.1462	24.2719					
2	17:43:12	24.8825	24.7875	24.8139					
3	17:43:34	24.4558	24.5131	24.6310					
x		24.6302	24.4823	24.5723					
σ		0.2238	0.3218	0.2758					
%RSD		0.9085	1.3143	1.1223					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:34	0.1380	0.1971	0.0002	-0.0333	0.0582	0.0342	99.9%	96.0%
2	17:45:55	0.0843	0.1566	-0.0022	-0.0381	0.1469	-0.0071	101.2%	99.2%
3	17:46:16	0.1622	0.1112	-0.0841	-0.0235	-0.1406	0.0397	102.1%	101.7%
x		0.1282	0.1550	-0.0287	-0.0316	0.0215	0.0223	101.1%	99.0%
σ		0.0399	0.0430	0.0480	0.0074	0.1472	0.0256	1.1%	2.8%
%RSD		31.1145	27.7206	167.4455	23.4787	686.0024	114.9946	1.1	2.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:45:34	0.0018	-0.0026	0.0009					
2	17:45:55	-0.0007	-0.0013	0.0006					
3	17:46:16	0.0008	-0.0008	0.0001					
x		0.0006	-0.0016	0.0005					
σ		0.0012	0.0009	0.0004					
%RSD		195.7975	58.3302	73.7422					

K1004738-014 05/17/2010 05:48:12 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:48:12	3.8887	5.1932	5.3355	39.2647	48.2403	48.8967	109.1%	93.6%
2	17:48:33	3.7585	4.7950	5.2851	38.7432	47.6377	48.2868	109.1%	94.5%
3	17:48:55	3.8183	5.0400	4.9654	38.7750	48.3997	48.2872	108.5%	96.0%
x		3.8218	5.0094	5.1953	38.9276	48.0925	48.4902	108.9%	94.7%
σ		0.0652	0.2008	0.2007	0.2924	0.4019	0.3520	0.3%	1.2%
%RSD		1.7054	4.0094	3.8638	0.7510	0.8357	0.7259	0.3	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:48:12	1.3243	1.4762	1.3969					
2	17:48:33	1.3087	1.5013	1.4048					
3	17:48:55	1.2760	1.4202	1.3829					
x		1.3030	1.4659	1.3949					
σ		0.0246	0.0415	0.0111					
%RSD		1.8897	2.8336	0.7952					

K1004510-MB 05/17/2010 05:50:54 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:50:54	0.0933	0.1754	-0.0511	-0.0352	-0.0122	0.0483	93.9%	93.8%
2	17:51:15	0.1305	0.0603	-0.0859	-0.0113	-0.1618	0.0723	96.1%	96.7%
3	17:51:37	0.0804	0.1314	-0.1060	-0.0354	0.0158	0.0209	96.6%	98.0%
x		0.1014	0.1224	-0.0810	-0.0273	-0.0527	0.0471	95.6%	96.2%
σ		0.0260	0.0581	0.0278	0.0138	0.0955	0.0257	1.4%	2.1%
%RSD		25.6434	47.4564	34.3067	50.6864	181.0291	54.5965	1.5	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:50:54	-0.0037	-0.0003	-0.0034					
2	17:51:15	-0.0027	-0.0019	-0.0026					
3	17:51:37	-0.0044	-0.0041	-0.0033					
x		-0.0036	-0.0021	-0.0031					
σ		0.0008	0.0019	0.0004					
%RSD		23.6451	90.8665	13.3819					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:53:34	19.7573	20.1261	19.9365	19.6167	19.1822	20.3512	97.0%	95.5%
2	17:53:56	19.7930	20.2457	20.1905	20.8052	18.6218	20.7516	97.3%	97.9%
3	17:54:18	19.1587	19.7432	19.5145	20.1979	19.0259	20.4829	98.6%	98.3%
x		19.5697	20.0383	19.8805	20.2066	18.9433	20.5286	97.6%	97.2%
σ		0.3564	0.2625	0.3415	0.5943	0.2892	0.2041	0.9%	1.5%
%RSD		1.8210	1.3099	1.7176	2.9410	1.5266	0.9940	0.9	1.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:53:34	19.5733	19.7977	19.7345					
2	17:53:56	19.7562	19.6396	19.7169					
3	17:54:18	19.8170	19.9749	19.9601					
x		19.7155	19.8041	19.8038					
σ		0.1268	0.1677	0.1356					
%RSD		0.6433	0.8469	0.6846					

**K1004510-001** 05/17/2010 05:56:16 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:56:16	0.5478	1.4351	1.2941	8.9726	9.3138	9.0671	97.2%	97.0%
2	17:56:37	0.2669	1.3185	1.1809	8.8002	8.4387	8.9741	98.8%	99.8%
3	17:56:59	0.2828	1.3017	1.2625	8.2430	7.4850	8.7977	99.1%	99.9%
x		0.3658	1.3518	1.2458	8.6719	8.4125	8.9463	98.4%	98.9%
σ		0.1578	0.0727	0.0584	0.3813	0.9147	0.1368	1.0%	1.6%
%RSD		43.1354	5.3748	4.6883	4.3975	10.8732	1.5296	1.0	1.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:56:16	0.1456	0.1235	0.1361					
2	17:56:37	0.1210	0.1310	0.1317					
3	17:56:59	0.1273	0.1260	0.1358					
x		0.1313	0.1268	0.1345					
σ		0.0127	0.0038	0.0025					
%RSD		9.7068	3.0074	1.8339					

**K1004510-001D** 05/17/2010 05:58:58 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:58:58	0.3595	1.3545	1.2588	8.2082	8.8400	8.8694	98.7%	96.5%
2	17:59:20	0.4291	1.3604	1.1216	8.4770	8.6649	8.9080	98.3%	99.2%
3	17:59:42	0.4574	1.2157	1.0102	8.5983	7.9043	8.7916	100.5%	98.8%
x		0.4154	1.3102	1.1302	8.4278	8.4697	8.8564	99.2%	98.1%
σ		0.0504	0.0819	0.1245	0.1997	0.4974	0.0593	1.2%	1.5%
%RSD		12.1301	6.2515	11.0153	2.3690	5.8728	0.6695	1.2	1.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	17:58:58	0.1182	0.1393	0.1332					
2	17:59:20	0.1256	0.1472	0.1330					
3	17:59:42	0.1288	0.1240	0.1344					
x		0.1242	0.1368	0.1335					
σ		0.0054	0.0118	0.0008					
%RSD		4.3639	8.6079	0.5900					

**K1004510-001S** 05/17/2010 06:01:40 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:40	19.8221	20.6142	20.6769	28.0811	27.0309	28.4571	99.3%	98.1%
2	18:02:01	20.2665	21.2518	20.4794	28.7825	27.1085	29.7379	99.0%	99.4%
3	18:02:23	20.1722	20.7782	20.2711	28.7710	27.8804	28.7554	98.6%	99.0%
x		20.0869	20.8814	20.4758	28.5449	27.3399	28.9835	99.0%	98.8%
σ		0.2342	0.3311	0.2029	0.4017	0.4697	0.6702	0.3%	0.7%
%RSD		1.1658	1.5857	0.9911	1.4072	1.7180	2.3123	0.3	0.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:01:40	19.2208	18.8246	18.9379					
2	18:02:01	19.3907	19.0996	19.2941					
3	18:02:23	19.5466	19.7135	19.5572					
x		19.3860	19.2125	19.2631					
σ		0.1630	0.4551	0.3109					
%RSD		0.8407	2.3687	1.6137					

K1004510-002 05/17/2010 06:04:30 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:30	-0.0368	0.1619	-0.1036	0.2804	-0.0645	0.2623	101.9%	99.0%
2	18:04:51	0.1655	0.1494	-0.0752	0.1645	0.2328	0.2600	102.5%	100.1%
3	18:05:13	0.1251	0.1388	-0.0594	0.1449	0.2983	0.1955	103.8%	101.4%
x		0.0846	0.1500	-0.0794	0.1966	0.1555	0.2393	102.7%	100.2%
σ		0.1070	0.0115	0.0224	0.0733	0.1934	0.0380	1.0%	1.2%
%RSD		126.5062	7.6937	28.1456	37.2633	124.3216	15.8644	1.0	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:04:30	-0.0039	-0.0013	-0.0029					
2	18:04:51	-0.0007	-0.0028	-0.0021					
3	18:05:13	-0.0034	-0.0035	-0.0023					
x		-0.0027	-0.0025	-0.0024					
σ		0.0017	0.0011	0.0004					
%RSD		63.9335	43.6366	17.3362					

K1004510-003 05/17/2010 06:07:10 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:10	0.3036	1.4104	1.1176	9.1958	8.8607	9.4594	97.8%	96.5%
2	18:07:31	0.3777	1.3502	1.2635	8.9785	8.7258	9.0102	98.9%	98.4%
3	18:07:53	0.3494	1.4061	1.1917	8.5967	8.3107	9.2634	99.6%	100.0%
x		0.3436	1.3889	1.1909	8.9237	8.6324	9.2443	98.8%	98.3%
σ		0.0374	0.0336	0.0730	0.3033	0.2867	0.2252	0.9%	1.8%
%RSD		10.8719	2.4175	6.1279	3.3991	3.3208	2.4363	0.9	1.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:07:10	0.1365	0.1486	0.1395					
2	18:07:31	0.1255	0.1358	0.1344					
3	18:07:53	0.1346	0.1328	0.1370					
x		0.1322	0.1391	0.1369					
σ		0.0059	0.0084	0.0025					
%RSD		4.4253	6.0576	1.8521					

K1004510-005 05/17/2010 06:09:51 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:51	0.6178	16.7001	16.5390	15.4030	13.1351	14.2299	101.4%	98.1%
2	18:10:13	0.3531	16.3192	16.3779	15.3587	14.6286	15.0975	101.5%	99.4%
3	18:10:35	0.3472	16.7681	16.4993	15.2797	14.7792	14.9535	100.5%	101.3%
x		0.4394	16.5958	16.4721	15.3471	14.1810	14.7603	101.2%	99.6%
σ		0.1545	0.2420	0.0839	0.0625	0.9089	0.4649	0.5%	1.7%
%RSD		35.1711	1.4580	0.5096	0.4070	6.4090	3.1500	0.5	1.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:09:51	0.1059	0.1271	0.1151					
2	18:10:13	0.1001	0.1058	0.1082					
3	18:10:35	0.1059	0.1207	0.1117					
x		0.1040	0.1178	0.1117					
σ		0.0034	0.0109	0.0034					
%RSD		3.2459	9.2825	3.0844					

K1004510-001 DISS 05/17/2010 06:12:31 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:12:31	0.1443	1.0617	0.8174	7.4311	6.6358	7.8150	102.3%	100.1%
2	18:12:53	0.3422	0.9867	0.9672	7.4530	6.8650	7.7671	101.4%	100.8%
3	18:13:15	0.2120	0.9715	0.7701	7.4625	7.0176	7.7541	102.5%	101.2%
x		0.2328	1.0067	0.8516	7.4489	6.8395	7.7787	102.1%	100.7%
σ		0.1006	0.0483	0.1029	0.0161	0.1922	0.0320	0.5%	0.6%
%RSD		43.1925	4.7992	12.0859	0.2165	2.8102	0.4118	0.5	0.6
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:12:31	0.0073	0.0090	0.0133					
2	18:12:53	0.0077	0.0130	0.0130					
3	18:13:15	0.0108	0.0170	0.0146					
x		0.0086	0.0130	0.0136					
σ		0.0019	0.0040	0.0009					
%RSD		22.3978	30.9061	6.3171					

CCV3 05/17/2010 06:15:10 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:10	25.0740	24.5809	24.7412	24.2738	23.6543	24.4936	104.3%	101.6%
2	18:15:31	25.4464	25.1411	24.9364	25.2504	24.0555	24.6227	104.7%	103.1%
3	18:15:53	24.8990	25.0552	24.3013	24.7281	23.8422	24.7298	105.3%	103.3%
x		25.1398	24.9257	24.6596	24.7508	23.8507	24.6154	104.8%	102.7%
σ		0.2795	0.3017	0.3253	0.4887	0.2008	0.1182	0.5%	0.9%
%RSD		1.1119	1.2104	1.3192	1.9745	0.8417	0.4804	0.5	0.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:15:10	24.1374	23.8537	23.9385					
2	18:15:31	24.9094	24.4252	24.6701					
3	18:15:53	24.9369	24.4807	24.6486					
x		24.6612	24.2532	24.4191					
σ		0.4539	0.3471	0.4163					
%RSD		1.8405	1.4312	1.7048					

CCB3 05/17/2010 06:20:26 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:20:26	0.0681	0.2177	-0.0704	-0.0461	-0.0858	0.0391	102.6%	98.5%
2	18:20:47	0.1761	0.2281	-0.0807	-0.0054	-0.1422	0.0476	102.7%	100.7%
3	18:21:09	0.2506	0.1388	-0.1065	-0.0824	-0.0745	-0.0318	104.7%	102.6%
x		0.1649	0.1949	-0.0859	-0.0446	-0.1008	0.0183	103.3%	100.6%
σ		0.0918	0.0488	0.0186	0.0385	0.0363	0.0436	1.2%	2.1%
%RSD		55.6542	25.0515	21.6566	86.2268	35.9665	238.7346	1.1	2.1
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	18:20:26	-0.0001	0.0008	0.0015					
2	18:20:47	-0.0018	0.0013	-0.0002					
3	18:21:09	0.0022	0.0059	0.0016					
x		0.0001	0.0027	0.0010					
σ		0.0020	0.0028	0.0010					
%RSD		1730.9530	104.9328	109.2845					

## Performance Report

### Sample details

Acquired at : 05/18/2010 11:13:42 AM

Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

### Mass Calibration verification

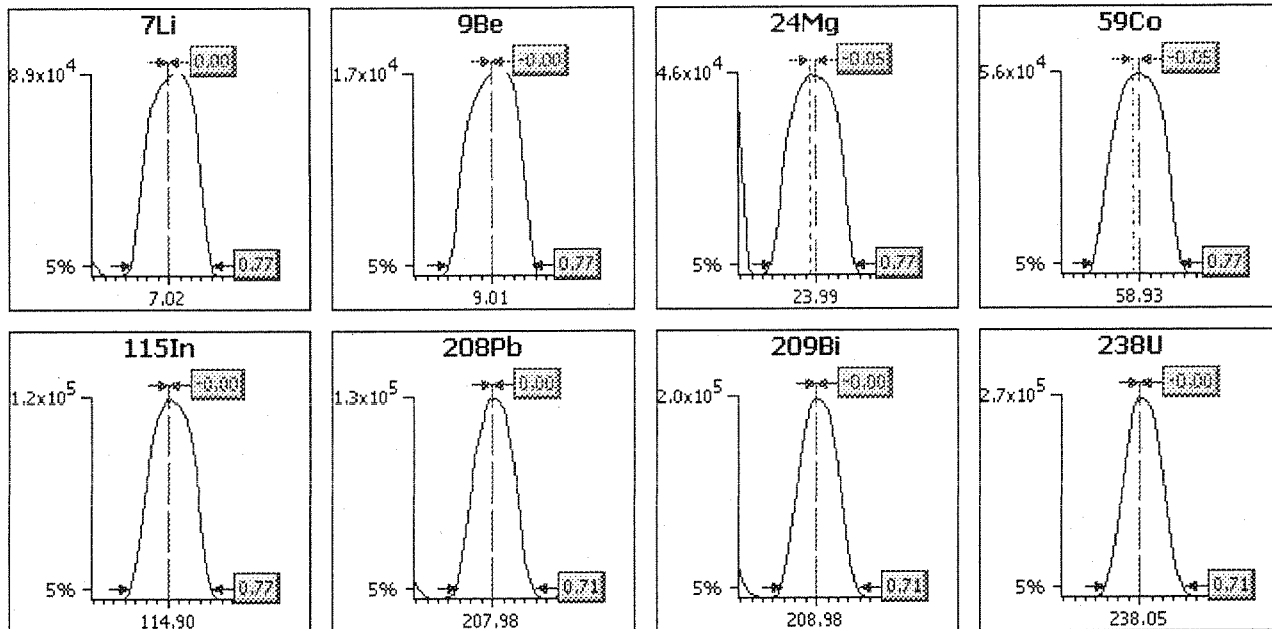
#### Acquisition parameters

Sweeps : 100

Dwell : 1.0 mSecs

Point spacing : 0.05 amu

Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.90	0.60	0.10	0.77	0.00
9Be	0.90	0.60	0.10	0.77	-0.00
24Mg	0.90	0.60	0.10	0.77	-0.05
59Co	0.90	0.60	0.10	0.77	-0.05
115In	0.90	0.60	0.10	0.77	-0.00
208Pb	0.90	0.60	0.10	0.71	0.00
209Bi	0.90	0.60	0.10	0.71	-0.00
238U	0.90	0.60	0.10	0.71	-0.00

**Sample details**

Acquired at : 05/18/2010 11:13:42 AM

Report name : Kelso Performance Report 2 [01/23/2008 04:49:11 PM]

**Tune conditions**

Major		Minor		Global		Add. Gases
Extraction	-141	Lens 2	-18.0	Standard resolution	115	
Lens 1	3.8	Lens 3	-176.5	High resolution	105	
Focus	19.8	Forward power	1200	Analogue Detector	2000	
D1	-37.6	Horizontal	110	PC Detector	3422	
Pole Bias	1.2	Vertical	0			
Hexapole Bias	4.7	D2	-151			
Nebuliser	0.72	DA	-42.4			
Sampling Depth	20	Cool	13.0			
		Auxiliary	0.67			

**Sensitivity and stability results**

**Acquisition parameters**

Sweeps : 400

Run	Time	5Bkg	7Li	9Be	24Mg	59Co	115In	140Ce	156Ce O	208Pb
<b>Dwell (mSecs)</b>		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Limits</b>	<b>%RSD</b>	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	-	5.0%
	<b>Countrate</b>	-	>1000	>1000	>1000	>1000	>1000	-	-	>1000
1	11:14:14 AM	0.250	88675.889	17515.107	45733.497	55758.473	124138.07	132868.68	2222.772	130042.76
2	11:15:28 AM	0.000	89436.536	17465.511	45906.114	55611.325	124335.49	133844.59	2247.028	131188.29
3	11:16:41 AM	0.000	89294.146	17535.897	45737.014	55592.209	124269.34	133638.09	2236.275	131165.46
4	11:17:54 AM	0.250	89345.144	17536.398	45955.361	55963.728	124309.38	133951.65	2279.786	130609.55
5	11:19:07 AM	0.000	89997.784	17596.514	46131.500	56257.533	125207.84	134767.58	2283.787	131912.66
x		0.100	89349.900	17529.885	45892.697	55836.654	124452.02	133814.12	2253.929	130983.74
σ		0.14	470.29	47.12	166.37	278.35	429.28	680.77	26.88	700.58
%RSD		136.931	0.526	0.269	0.363	0.499	0.345	0.509	1.193	0.535

Run	Time	209Bi	220Bkg	238U
<b>Dwell (mSecs)</b>		10.0	10.0	10.0
<b>Limits</b>	<b>%RSD</b>	5.0%	-	5.0%
	<b>Countrate</b>	>1000	-	>1000
1	11:14:14 AM	199671.97	0.500	278725.06
2	11:15:28 AM	200475.62	0.250	279374.54
3	11:16:41 AM	200210.37	0.000	278976.34
4	11:17:54 AM	200088.99	0.500	278626.87
5	11:19:07 AM	200473.32	0.250	279409.60
x		200184.05	0.300	279022.48
σ		331.91	0.21	360.87
%RSD		0.166	69.722	0.129

**Ratio results**

Run	Time	156Ce O/140Ce
<b>Ratio limits</b>		<0.0200
1	11:14:14 AM	0.017
2	11:15:28 AM	0.017
3	11:16:41 AM	0.017
4	11:17:54 AM	0.017
5	11:19:07 AM	0.017
x		0.0168
σ		0.00
%RSD		0.7835

Result : The performance report passed.

## Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	Cal. Blk	Blank	1.000	0	1	1	150
2	Cal. Stn	Fully Quant Standard	1.000	0	1	2	150
3	ICV1	Unknown	1.000	0	1	3	150
4	CCV1	Unknown	1.000	0	1	2	150
5	ICB1	Unknown	1.000	0	1	1	150
6	CCB1	Unknown	1.000	0	1	1	150
7	CRA	Unknown	1.000	0	1	4	150
8	ICSA	Unknown	1.000	0	1	5	150
9	ICSAB	Unknown	1.000	0	1	6	150
10	K1004510-002 DISS	Unknown	1.000	1	3	4	150
11	K1004510-003 DISS	Unknown	1.000	1	3	5	150
12	K1004575-001	Unknown	1.000	1	3	6	150
13	K1004575-001D	Unknown	1.000	1	3	7	150
14	K1004575-001S	Unknown	1.000	1	3	8	150
15	K1004575-002	Unknown	1.000	1	3	9	150
16	K1004575-003	Unknown	1.000	1	3	10	150
17	CCV2	Unknown	1.000	0	1	2	150
18	CCB2	Unknown	1.000	0	1	1	150
19	K1004575-004	Unknown	1.000	1	3	11	150
20	K1004635-001	Unknown	1.000	1	3	12	150
21	K1004635-002	Unknown	1.000	1	4	1	150
22	K1004635-003	Unknown	1.000	1	4	2	150
23	K1004170-MB	Unknown	1.000	1	4	3	150
24	LCSW	Unknown	1.000	1	4	4	150
25	K1004170-001	Unknown	1.000	1	4	5	150
26	K1004170-001 1/5L	Unknown	1.000	1	4	6	150
27	K1004170-001A	Unknown	1.000	1	4	7	150
28	K1004544-018	Unknown	1.000	1	4	8	150
29	CCV3	Unknown	1.000	0	1	2	150
30	CCB3	Unknown	1.000	0	1	1	150
31	K1004544-018D	Unknown	1.000	1	4	9	150
32	K1004544-018S	Unknown	1.000	1	4	10	150
33	K1004116-MB	Unknown	1.000	1	4	11	150
34	LCSW	Unknown	1.000	1	4	12	150
35	K1004116-001	Unknown	1.000	1	5	1	150
36	K1004116-001D	Unknown	1.000	1	5	2	150
37	K1004116-001 1/5L	Unknown	1.000	1	5	3	150
38	K1004116-001A	Unknown	1.000	1	5	4	150
39	K1004116-001S	Unknown	1.000	1	5	5	150
40	K1004116-002	Unknown	1.000	1	5	6	150
41	CCV4	Unknown	1.000	0	1	2	150
42	CCB4	Unknown	1.000	0	1	1	150
43	K1004116-003	Unknown	1.000	1	5	7	150
44	K1004116-004	Unknown	1.000	1	5	8	150
45	K1004216-001	Unknown	1.000	1	5	9	150
46	K1004216-002	Unknown	1.000	1	5	10	150
47	K1004216-003	Unknown	1.000	1	5	11	150
48	K1004216-004	Unknown	1.000	1	5	12	150
49	K1004216-005	Unknown	1.000	2	1	1	150
50	K1004216-006	Unknown	1.000	2	1	2	150
51	K1004252-001	Unknown	1.000	2	1	3	150
52	K1004252-002	Unknown	1.000	2	1	4	150
53	CCV5	Unknown	1.000	0	1	2	150
54	CCB5	Unknown	1.000	0	1	1	150



**Dilution Corrected Concentrations**

Cal. Blk 05/18/2010 01:59:19 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:59:19	-0.0136	0.0039	0.0316	0.0037	0.0191	0.0109	100.6%	99.3%
2	13:59:41	0.0090	0.0044	-0.0171	-0.0127	0.0009	0.0028	99.3%	100.0%
3	14:00:02	0.0046	-0.0083	-0.0145	0.0090	-0.0200	-0.0137	100.0%	100.7%
x		0.0000	-0.0000	0.0000	-0.0000	-0.0000	0.0000	100.0%	100.0%
σ		0.0120	0.0072	0.0274	0.0113	0.0195	0.0125	0.6%	0.7%
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6	0.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	13:59:19	0.0024	-0.0069	0.0004					
2	13:59:41	-0.0048	0.0017	-0.0020					
3	14:00:02	0.0024	0.0053	0.0016					
x		0.0000	-0.0000	-0.0000					
σ		0.0042	0.0063	0.0019					
%RSD		0.0000	0.0000	0.0000					

Cal. Stn 05/18/2010 02:03:45 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:03:45	24.9946	24.8796	24.9466	24.9814	24.2766	24.3606	96.0%	93.6%
2	14:04:07	25.1038	25.3922	25.2623	24.7325	25.1707	25.3849	96.1%	95.4%
3	14:04:29	24.9015	24.7282	24.7911	25.2861	25.5527	25.2545	97.4%	98.2%
x		25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	96.5%	95.8%
σ		0.1013	0.3480	0.2401	0.2773	0.6550	0.5576	0.7%	2.3%
%RSD		0.4050	1.3920	0.9602	1.1092	2.6199	2.2303	0.8	2.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:03:45	24.7006	24.8169	24.7866					
2	14:04:07	25.2249	25.1701	25.1702					
3	14:04:29	25.0745	25.0131	25.0432					
x		25.0000	25.0000	25.0000					
σ		0.2700	0.1770	0.1954					
%RSD		1.0799	0.7079	0.7817					

ICV1 05/18/2010 02:06:25 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:06:25	24.7085	12.5906	12.5140	25.6543	27.7287	26.8608	96.4%	95.8%
2	14:06:46	25.0406	12.5430	12.7820	25.6634	29.0363	27.8894	96.6%	95.9%
3	14:07:08	25.0974	12.6295	12.5317	26.5199	29.0545	27.4755	96.0%	98.0%
x		24.9488	12.5877	12.6092	25.9459	28.6065	27.4086	96.3%	96.6%
σ		0.2101	0.0433	0.1499	0.4971	0.7602	0.5176	0.3%	1.3%
%RSD		0.8420	0.3441	1.1887	1.9161	2.6575	1.8884	0.3	1.3
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:06:25	23.1397	25.8808	24.5840					
2	14:06:46	23.8328	26.8812	25.3900					
3	14:07:08	23.4328	26.4787	25.1394					
x		23.4684	26.4136	25.0378					
σ		0.3479	0.5034	0.4125					
%RSD		1.4825	1.9058	1.6474					

**CCV1** 05/18/2010 02:09:05 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:09:05	23.7434	24.0382	24.0688	24.5512	23.8701	23.5751	96.4%	95.3%
2	14:09:27	24.7492	24.9016	24.5182	25.4649	25.0085	24.7740	95.2%	97.0%
3	14:09:49	24.5399	24.3317	24.6382	25.4824	25.0520	24.8741	95.2%	98.1%
x		24.3441	24.4238	24.4084	25.1662	24.6435	24.4077	95.6%	96.8%
σ		0.5307	0.4390	0.3001	0.5326	0.6702	0.7228	0.7%	1.4%
%RSD		2.1799	1.7975	1.2297	2.1165	2.7194	2.9613	0.7	1.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:09:05	24.3167	24.4422	24.4217					
2	14:09:27	25.1278	25.0645	25.0828					
3	14:09:49	25.0939	25.3140	25.1674					
x		24.8462	24.9402	24.8907					
σ		0.4588	0.4490	0.4083					
%RSD		1.8466	1.8004	1.6405					

**ICB1** 05/18/2010 02:11:44 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:44	0.0281	0.0598	0.0338	-0.0083	0.1106	0.0131	95.6%	95.5%
2	14:12:06	-0.0473	0.0660	0.0029	0.0060	0.0172	0.0039	95.1%	95.5%
3	14:12:28	-0.0279	0.0393	0.0185	0.0273	-0.0142	-0.0080	95.0%	97.2%
x		-0.0157	0.0550	0.0184	0.0084	0.0379	0.0030	95.2%	96.0%
σ		0.0392	0.0140	0.0154	0.0179	0.0649	0.0106	0.3%	1.0%
%RSD		249.6706	25.3996	83.6982	213.8612	171.3765	356.7209	0.3	1.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:11:44	0.0003	-0.0062	-0.0004					
2	14:12:06	-0.0037	0.0037	0.0010					
3	14:12:28	0.0044	0.0013	0.0029					
x		0.0003	-0.0004	0.0012					
σ		0.0040	0.0052	0.0016					
%RSD		1177.2311	1296.8851	139.8417					

**CCB1** 05/18/2010 02:14:32 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:14:32	-0.0258	0.0760	-0.0020	-0.0012	0.0271	-0.0108	95.5%	94.8%
2	14:14:53	-0.0633	0.0462	0.0197	-0.0063	0.0277	0.0087	95.1%	95.9%
3	14:15:15	-0.0240	0.0411	0.0128	-0.0116	0.0068	-0.0129	95.1%	97.1%
x		-0.0377	0.0544	0.0102	-0.0064	0.0205	-0.0050	95.2%	95.9%
σ		0.0222	0.0188	0.0111	0.0052	0.0119	0.0119	0.2%	1.2%
%RSD		58.8063	34.5888	108.8152	82.0280	58.0289	238.6149	0.2	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:14:32	-0.0035	-0.0038	-0.0019					
2	14:14:53	-0.0027	-0.0060	-0.0045					
3	14:15:15	-0.0041	-0.0049	-0.0043					
x		-0.0034	-0.0049	-0.0036					
σ		0.0007	0.0011	0.0014					
%RSD		21.2324	22.4225	40.2324					

CRA 05/18/2010 02:17:12 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:17:12	0.1654	0.1746	0.1019	0.5040	0.4637	0.5702	95.9%	95.3%
2	14:17:34	0.1659	0.1853	0.0924	0.5724	0.4350	0.4561	93.7%	95.9%
3	14:17:56	0.1396	0.1436	0.0787	0.5668	0.3375	0.5248	94.0%	96.4%
x		0.1569	0.1678	0.0910	0.5477	0.4121	0.5170	94.6%	95.9%
σ		0.0151	0.0216	0.0116	0.0379	0.0661	0.0574	1.2%	0.5%
%RSD		9.5983	12.8986	12.7905	6.9279	16.0513	11.1076	1.3	0.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:17:12	0.0160	0.0134	0.0196					
2	14:17:34	0.0193	0.0083	0.0151					
3	14:17:56	0.0191	0.0198	0.0204					
x		0.0181	0.0139	0.0184					
σ		0.0019	0.0058	0.0029					
%RSD		10.2936	41.5950	15.6354					

ICSA 05/18/2010 02:19:54 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:54	-0.1724	0.4742	1.0301	1.5469	1.5574	1.2326	82.3%	84.4%
2	14:20:16	-0.0235	0.5102	0.9649	1.5415	1.3145	1.2492	80.2%	83.2%
3	14:20:38	0.0699	0.4721	1.0074	1.6207	1.5620	1.2430	78.5%	83.5%
x		-0.0420	0.4855	1.0008	1.5697	1.4780	1.2416	80.3%	83.7%
σ		0.1222	0.0214	0.0331	0.0443	0.1416	0.0084	1.9%	0.6%
%RSD		290.8890	4.4081	3.3072	2.8195	9.5804	0.6756	2.3	0.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:19:54	0.1155	0.1427	0.1295					
2	14:20:16	0.1326	0.1380	0.1327					
3	14:20:38	0.1146	0.1253	0.1231					
x		0.1209	0.1353	0.1284					
σ		0.0102	0.0090	0.0048					
%RSD		8.4025	6.6796	3.7656					

ICSA 05/18/2010 02:22:36 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:22:36	44.2719	42.9428	43.7839	23.1720	24.1876	22.3607	78.7%	81.7%
2	14:22:58	45.8052	43.4714	44.4087	24.0598	24.8165	23.3607	76.8%	81.3%
3	14:23:20	45.7763	43.2626	43.9563	24.5069	25.3979	22.8083	76.2%	81.9%
x		45.2845	43.2256	44.0496	23.9129	24.8007	22.8432	77.2%	81.6%
σ		0.8770	0.2662	0.3227	0.6795	0.6053	0.5009	1.3%	0.3%
%RSD		1.9367	0.6159	0.7326	2.8415	2.4407	2.1927	1.7	0.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:22:36	0.1295	0.1685	0.1472					
2	14:22:58	0.1283	0.1317	0.1416					
3	14:23:20	0.1212	0.1416	0.1336					
x		0.1263	0.1473	0.1408					
σ		0.0045	0.0190	0.0068					
%RSD		3.5687	12.9179	4.8534					

**K1004510-002 DISS** 05/18/2010 02:25:18 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:25:18	-0.0062	0.1693	0.1085	0.3391	0.3209	0.4602	79.8%	83.2%
2	14:25:40	0.0019	0.2020	0.1381	0.4377	0.3557	0.3575	80.2%	83.9%
3	14:26:02	0.0735	0.1773	0.1053	0.4273	0.3412	0.4180	80.6%	86.0%
x		0.0231	0.1829	0.1173	0.4014	0.3393	0.4119	80.2%	84.4%
σ		0.0439	0.0171	0.0181	0.0542	0.0175	0.0516	0.4%	1.4%
%RSD		190.1326	9.3434	15.3982	13.4992	5.1609	12.5255	0.5	1.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:25:18	-0.0047	-0.0017	-0.0037					
2	14:25:40	-0.0014	-0.0019	-0.0036					
3	14:26:02	-0.0043	-0.0105	-0.0062					
x		-0.0035	-0.0047	-0.0045					
σ		0.0018	0.0050	0.0015					
%RSD		51.3798	106.6489	32.3766					

**K1004510-003 DISS** 05/18/2010 02:28:00 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:00	0.0301	0.9237	0.9186	7.6916	7.0790	7.5683	88.9%	90.3%
2	14:28:22	-0.0134	1.0278	1.1396	8.0398	7.5375	8.1951	87.9%	91.2%
3	14:28:43	-0.0603	0.9372	0.9804	8.0716	8.1173	8.1877	88.9%	93.0%
x		-0.0145	0.9629	1.0129	7.9343	7.5779	7.9837	88.6%	91.5%
σ		0.0452	0.0566	0.1140	0.2108	0.5203	0.3598	0.6%	1.4%
%RSD		310.7992	5.8795	11.2545	2.6572	6.8665	4.5065	0.6	1.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:28:00	0.0076	0.0063	0.0105					
2	14:28:22	0.0101	0.0105	0.0124					
3	14:28:43	0.0102	0.0101	0.0089					
x		0.0093	0.0090	0.0106					
σ		0.0015	0.0023	0.0017					
%RSD		16.2584	25.8216	16.5340					

**K1004575-001** 05/18/2010 02:30:40 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:30:40	1.7941	2.2412	2.4835	5.5584	10.1988	9.4898	88.2%	90.7%
2	14:31:02	1.8745	2.3875	2.5577	6.1667	11.2354	9.5421	85.6%	89.8%
3	14:31:24	1.9996	2.3484	2.6341	6.3221	10.3870	9.8337	83.9%	89.4%
x		1.8894	2.3257	2.5584	6.0157	10.6071	9.6219	85.9%	90.0%
σ		0.1036	0.0757	0.0753	0.4036	0.5522	0.1853	2.1%	0.7%
%RSD		5.4810	3.2568	2.9428	6.7095	5.2063	1.9263	2.5	0.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:30:40	0.5909	0.6641	0.6609					
2	14:31:02	0.6163	0.7242	0.6868					
3	14:31:24	0.6647	0.7095	0.7037					
x		0.6240	0.6993	0.6838					
σ		0.0375	0.0313	0.0216					
%RSD		6.0089	4.4830	3.1560					

K1004575-001D 05/18/2010 02:33:27 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:33:27	1.7959	2.2745	2.6899	5.6677	10.8295	9.7211	83.8%	87.1%
2	14:33:50	1.9234	2.2612	2.6172	5.7864	9.9666	9.1630	84.0%	88.0%
3	14:34:11	1.8709	2.3332	2.4806	5.5338	10.7347	9.3342	83.4%	89.2%
x		1.8634	2.2897	2.5959	5.6626	10.5103	9.4061	83.7%	88.1%
$\sigma$		0.0641	0.0383	0.1063	0.1264	0.4732	0.2859	0.3%	1.0%
%RSD		3.4394	1.6735	4.0935	2.2315	4.5021	3.0399	0.4	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:33:27	0.6280	0.6923	0.6716					
2	14:33:50	0.6473	0.7012	0.6911					
3	14:34:11	0.6214	0.7035	0.6774					
x		0.6322	0.6990	0.6800					
$\sigma$		0.0135	0.0059	0.0100					
%RSD		2.1326	0.8428	1.4739					

K1004575-001S 05/18/2010 02:36:09 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:09	21.4868	21.4305	22.0453	25.1248	30.0038	28.7528	82.9%	84.9%
2	14:36:32	21.9880	21.1871	21.9082	26.0833	30.6616	29.2027	82.3%	86.9%
3	14:36:53	21.5313	20.9471	21.8099	25.0571	30.7639	29.1239	82.6%	88.1%
x		21.6687	21.1883	21.9211	25.4217	30.4765	29.0265	82.6%	86.7%
$\sigma$		0.2774	0.2417	0.1183	0.5740	0.4125	0.2402	0.3%	1.6%
%RSD		1.2802	1.1407	0.5395	2.2578	1.3535	0.8277	0.3	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:36:09	20.3642	20.7903	20.5329					
2	14:36:32	20.6815	20.7330	20.6156					
3	14:36:53	20.5965	20.5434	20.5760					
x		20.5474	20.6889	20.5748					
$\sigma$		0.1642	0.1292	0.0413					
%RSD		0.7993	0.6247	0.2010					

K1004575-002 05/18/2010 02:38:58 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:38:58	0.6669	0.9740	1.5306	1.5298	6.1462	4.2662	74.5%	79.9%
2	14:39:20	0.7510	0.8866	1.4175	1.4308	6.3067	4.2758	75.3%	81.9%
3	14:39:42	0.7227	0.8968	1.3192	1.3742	5.7424	4.1318	76.4%	83.4%
x		0.7136	0.9191	1.4224	1.4449	6.0651	4.2246	75.4%	81.7%
$\sigma$		0.0428	0.0478	0.1058	0.0787	0.2908	0.0805	0.9%	1.8%
%RSD		5.9963	5.1989	7.4377	5.4499	4.7945	1.9058	1.3	2.1
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:38:58	0.0334	0.0345	0.0353					
2	14:39:20	0.0367	0.0461	0.0427					
3	14:39:42	0.0330	0.0346	0.0376					
x		0.0344	0.0384	0.0385					
$\sigma$		0.0020	0.0067	0.0038					
%RSD		5.9238	17.3816	9.8697					

K1004575-003 05/18/2010 02:41:40 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:40	0.5965	0.9210	1.5992	1.5629	6.3929	4.2978	74.7%	78.9%
2	14:42:01	0.6950	0.9639	1.5530	1.5921	6.2320	4.4320	74.7%	80.2%
3	14:42:24	0.8013	0.9093	1.3838	1.5242	5.8551	4.1681	75.9%	82.1%
x		0.6976	0.9314	1.5120	1.5597	6.1600	4.2993	75.1%	80.4%
σ		0.1024	0.0287	0.1134	0.0341	0.2760	0.1320	0.7%	1.6%
%RSD		14.6779	3.0810	7.5018	2.1837	4.4812	3.0700	0.9	2.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:41:40	0.0514	0.0608	0.0562					
2	14:42:01	0.0787	0.0649	0.0666					
3	14:42:24	0.0444	0.0644	0.0578					
x		0.0582	0.0634	0.0602					
σ		0.0181	0.0022	0.0056					
%RSD		31.1794	3.5409	9.2890					

CCV2 05/18/2010 02:44:21 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:44:21	25.4538	25.9768	26.2795	25.5199	25.9435	24.8766	86.3%	85.4%
2	14:44:43	25.0081	25.8891	25.5432	24.9081	25.5470	25.0502	87.8%	88.0%
3	14:45:05	24.9670	25.1538	25.7091	25.3143	25.1883	24.9837	88.2%	90.1%
x		25.1429	25.6732	25.8439	25.2474	25.5596	24.9702	87.4%	87.8%
σ		0.2700	0.4520	0.3862	0.3114	0.3778	0.0876	1.0%	2.3%
%RSD		1.0738	1.7604	1.4944	1.2332	1.4780	0.3508	1.1	2.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:44:21	25.3170	25.5203	25.3763					
2	14:44:43	25.4436	25.5644	25.4855					
3	14:45:05	25.1686	25.2234	25.1412					
x		25.3097	25.4360	25.3344					
σ		0.1376	0.1855	0.1759					
%RSD		0.5438	0.7291	0.6945					

CCB2 05/18/2010 02:47:01 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:47:01	-0.0527	0.1235	0.0829	-0.0011	0.1966	0.0019	85.7%	84.6%
2	14:47:23	-0.0740	0.0991	0.0386	-0.0012	0.0791	0.0043	86.0%	86.5%
3	14:47:45	-0.0271	0.0946	0.0258	-0.0209	0.0774	-0.0043	86.8%	88.5%
x		-0.0512	0.1057	0.0491	-0.0077	0.1177	0.0007	86.2%	86.5%
σ		0.0235	0.0156	0.0300	0.0114	0.0683	0.0044	0.5%	1.9%
%RSD		45.8060	14.7097	61.0291	147.5296	58.0294	679.3056	0.6	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:47:01	0.0021	0.0069	0.0042					
2	14:47:23	0.0098	0.0093	0.0076					
3	14:47:45	0.0029	0.0063	0.0058					
x		0.0049	0.0075	0.0058					
σ		0.0042	0.0016	0.0017					
%RSD		85.7135	20.9226	29.2630					

**K1004575-004** 05/18/2010 02:49:41 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:49:41	-0.0397	0.1917	0.0593	0.3460	0.3356	0.4038	85.8%	85.8%
2	14:50:04	0.0125	0.1394	0.0567	0.3191	0.5042	0.3703	86.6%	87.0%
3	14:50:25	0.0447	0.1420	0.0530	0.3562	0.3226	0.3256	88.3%	89.0%
X		0.0058	0.1577	0.0563	0.3404	0.3875	0.3666	86.9%	87.3%
σ		0.0426	0.0295	0.0032	0.0192	0.1013	0.0392	1.3%	1.6%
%RSD		731.6525	18.6802	5.6266	5.6260	26.1503	10.6962	1.5	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:49:41	0.0079	0.0113	0.0137					
2	14:50:04	0.0102	0.0147	0.0134					
3	14:50:25	0.0168	0.0136	0.0144					
X		0.0116	0.0132	0.0138					
σ		0.0046	0.0017	0.0005					
%RSD		39.6195	13.0518	3.5966					

**K1004635-001** 05/18/2010 02:52:36 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:52:36	0.8850	0.5433	0.9170	0.7399	3.5129	2.6669	85.0%	86.7%
2	14:52:57	0.9582	0.5748	0.9006	0.7631	3.4730	2.5879	84.0%	88.3%
3	14:53:20	0.8406	0.5092	0.9708	0.7887	3.8392	2.5836	84.0%	88.6%
X		0.8946	0.5424	0.9295	0.7639	3.6084	2.6128	84.3%	87.9%
σ		0.0594	0.0328	0.0367	0.0244	0.2009	0.0469	0.6%	1.0%
%RSD		6.6382	6.0499	3.9492	3.1954	5.5668	1.7944	0.7	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:52:36	0.0082	0.0177	0.0107					
2	14:52:57	0.0093	0.0180	0.0154					
3	14:53:20	0.0140	0.0166	0.0161					
X		0.0105	0.0175	0.0141					
σ		0.0031	0.0007	0.0029					
%RSD		29.3825	4.2824	20.7179					

**K1004635-002** 05/18/2010 02:55:17 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:17	0.0134	0.1909	0.0710	0.6994	0.6522	0.6055	91.9%	88.5%
2	14:55:39	0.0073	0.1682	0.0600	0.7038	0.7808	0.6232	93.2%	91.2%
3	14:56:00	0.0106	0.1135	0.1092	0.6989	0.6483	0.6775	95.0%	93.5%
X		0.0104	0.1576	0.0801	0.7007	0.6938	0.6354	93.4%	91.1%
σ		0.0030	0.0398	0.0258	0.0027	0.0754	0.0376	1.5%	2.5%
%RSD		29.0898	25.2357	32.2212	0.3855	10.8724	5.9114	1.6	2.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:55:17	-0.0014	-0.0020	0.0008					
2	14:55:39	0.0046	0.0020	0.0023					
3	14:56:00	0.0089	0.0030	0.0072					
X		0.0040	0.0010	0.0035					
σ		0.0051	0.0027	0.0034					
%RSD		127.4363	262.9363	97.4622					

**K1004635-003** 05/18/2010 02:58:05 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:58:05	1.3272	0.9597	1.5555	1.6512	13.2540	9.6425	73.2%	79.5%
2	14:58:27	1.3233	0.8795	1.3563	1.5695	12.0339	9.3015	74.3%	80.5%
3	14:58:48	1.2357	0.9501	1.4562	1.6884	12.6674	9.2799	73.7%	82.5%
x		1.2954	0.9297	1.4560	1.6364	12.6517	9.4080	73.7%	80.8%
$\sigma$		0.0517	0.0438	0.0996	0.0608	0.6102	0.2034	0.6%	1.5%
%RSD		3.9925	4.7108	6.8376	3.7176	4.8231	2.1622	0.8	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	14:58:05	0.4216	0.5007	0.4710					
2	14:58:27	0.4582	0.4875	0.4868					
3	14:58:48	0.4438	0.5056	0.4852					
x		0.4412	0.4979	0.4810					
$\sigma$		0.0184	0.0094	0.0087					
%RSD		4.1771	1.8855	1.8114					

**K1004170-MB** 05/18/2010 03:00:51 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:51	-0.0148	0.1246	0.0287	0.0099	0.1689	0.0476	83.6%	84.5%
2	15:01:13	0.0226	0.1163	-0.0039	0.0028	0.1379	0.0311	85.8%	86.0%
3	15:01:35	-0.0281	0.0611	0.0267	0.0239	0.1591	-0.0040	86.4%	88.2%
x		-0.0068	0.1006	0.0172	0.0122	0.1553	0.0249	85.3%	86.2%
$\sigma$		0.0263	0.0345	0.0183	0.0108	0.0159	0.0264	1.5%	1.9%
%RSD		389.4625	34.3137	106.3745	88.1657	10.2104	105.8406	1.8	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:00:51	-0.0060	-0.0047	-0.0020					
2	15:01:13	-0.0015	-0.0052	-0.0032					
3	15:01:35	-0.0040	-0.0019	-0.0022					
x		-0.0038	-0.0039	-0.0025					
$\sigma$		0.0023	0.0018	0.0006					
%RSD		59.8458	44.9062	25.7331					

**LCSW** 05/18/2010 03:03:32 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:03:32	20.9272	20.9007	21.0246	20.9617	20.3509	20.4253	84.3%	85.0%
2	15:03:54	20.4299	20.8511	20.9894	21.1131	20.6560	20.3706	85.5%	86.8%
3	15:04:16	19.9899	20.5081	20.4194	20.9861	20.7263	20.8914	86.4%	88.8%
x		20.4490	20.7533	20.8111	21.0203	20.5777	20.5624	85.4%	86.9%
$\sigma$		0.4689	0.2138	0.3397	0.0813	0.1996	0.2862	1.0%	1.9%
%RSD		2.2932	1.0300	1.6324	0.3868	0.9698	1.3917	1.2	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:03:32	20.2880	20.3668	20.3311					
2	15:03:54	20.5028	20.5135	20.4840					
3	15:04:16	20.3650	20.5505	20.3970					
x		20.3853	20.4769	20.4040					
$\sigma$		0.1088	0.0971	0.0767					
%RSD		0.5338	0.4744	0.3759					



K1004170-001 05/18/2010 03:06:19 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:19	1.6426	16.0445	16.4060	112.8488	99.3613	109.6163	80.9%	83.3%
2	15:06:41	1.3801	16.1301	16.0423	114.5886	101.2174	112.2127	81.8%	85.1%
3	15:07:03	1.5577	16.1568	16.2301	115.7950	104.3366	111.7626	81.7%	87.0%
x		1.5268	16.1105	16.2261	114.4108	101.6384	111.1972	81.5%	85.1%
σ		0.1339	0.0587	0.1819	1.4811	2.5142	1.3875	0.5%	1.9%
%RSD		8.7723	0.3642	1.1211	1.2946	2.4737	1.2478	0.6	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:06:19	4.7982	5.2620	5.1381					
2	15:06:41	4.9828	5.5207	5.2828					
3	15:07:03	4.8999	5.4550	5.2272					
x		4.8936	5.4126	5.2160					
σ		0.0925	0.1345	0.0730					
%RSD		1.8896	2.4843	1.4001					

K1004170-001 1/5L 05/18/2010 03:09:01 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:01	0.4601	3.4096	3.2693	23.5435	21.1108	22.9751	81.5%	82.4%
2	15:09:23	0.2693	3.1411	3.2254	23.5469	20.1838	23.0198	84.4%	87.1%
3	15:09:45	0.3609	3.1853	3.1774	24.0422	21.2098	22.7882	84.0%	89.2%
x		0.3634	3.2453	3.2240	23.7109	20.8348	22.9277	83.3%	86.2%
σ		0.0954	0.1440	0.0459	0.2870	0.5660	0.1229	1.6%	3.5%
%RSD		26.2618	4.4364	1.4249	1.2102	2.7164	0.5360	1.9	4.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:09:01	0.9749	1.1076	1.0554					
2	15:09:23	0.9590	1.0842	1.0187					
3	15:09:45	0.9402	1.0711	1.0306					
x		0.9581	1.0876	1.0349					
σ		0.0174	0.0185	0.0187					
%RSD		1.8125	1.7011	1.8093					

K1004170-001A 05/18/2010 03:11:43 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:43	22.9314	38.9092	39.3620	143.4037	132.7630	138.9590	77.6%	82.1%
2	15:12:04	22.4447	37.5930	38.3604	139.6895	126.2073	134.7151	79.7%	85.2%
3	15:12:25	21.6276	35.7677	36.3878	134.1507	122.6211	131.4480	82.0%	86.7%
x		22.3346	37.4233	38.0368	139.0813	127.1971	135.0407	79.8%	84.7%
σ		0.6589	1.5776	1.5133	4.6564	5.1429	3.7661	2.2%	2.3%
%RSD		2.9499	4.2156	3.9784	3.3480	4.0433	2.7888	2.7	2.7
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:11:43	26.6070	27.3086	26.9830					
2	15:12:04	26.1709	26.8981	26.5079					
3	15:12:25	25.8358	26.2730	26.1989					
x		26.2046	26.8266	26.5633					
σ		0.3867	0.5215	0.3949					
%RSD		1.4757	1.9440	1.4868					

K1004544-018 05/18/2010 03:14:27 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:27	0.0757	0.2749	0.5391	1.8127	5.7059	4.7248	82.8%	84.8%
2	15:14:49	0.1330	0.2780	0.4936	1.7340	5.1346	4.6856	84.0%	87.6%
3	15:15:11	0.0621	0.2367	0.4114	1.7514	5.4364	4.5873	85.8%	89.2%
x		0.0903	0.2632	0.4814	1.7661	5.4257	4.6659	84.2%	87.2%
σ		0.0376	0.0230	0.0648	0.0413	0.2858	0.0709	1.5%	2.2%
%RSD		41.6827	8.7328	13.4521	2.3411	5.2678	1.5187	1.8	2.5
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:14:27	0.0065	-0.0002	0.0023					
2	15:14:49	0.0047	0.0104	0.0049					
3	15:15:11	-0.0004	0.0001	0.0010					
x		0.0036	0.0034	0.0027					
σ		0.0035	0.0060	0.0020					
%RSD		98.4383	175.8409	72.4568					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:15	26.9068	27.2996	26.9466	26.0672	25.1337	25.8578	87.6%	86.3%
2	15:17:37	26.0686	26.4634	26.5234	25.6660	25.0952	25.8440	88.9%	89.7%
3	15:17:59	25.4017	25.7999	25.5155	25.3277	25.3118	25.3033	90.6%	91.6%
x		26.1257	26.5210	26.3285	25.6870	25.1803	25.6684	89.0%	89.2%
σ		0.7542	0.7515	0.7352	0.3702	0.1155	0.3163	1.5%	2.7%
%RSD		2.8867	2.8337	2.7924	1.4413	0.4588	1.2321	1.7	3.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:17:15	26.3677	26.5199	26.5074					
2	15:17:37	25.9538	26.0479	25.9838					
3	15:17:59	25.4860	25.5520	25.4559					
x		25.9359	26.0400	25.9824					
σ		0.4411	0.4840	0.5257					
%RSD		1.7008	1.8587	2.0234					

CCB3 05/18/2010 03:19:55 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:19:55	0.0487	0.1042	-0.0198	-0.0056	0.0074	0.0083	87.4%	86.7%
2	15:20:17	0.0554	0.0858	-0.0148	0.0016	0.0057	0.0279	88.5%	89.2%
3	15:20:39	-0.0125	0.0849	0.0359	-0.0039	0.0518	0.0233	88.0%	90.5%
x		0.0305	0.0916	0.0004	-0.0026	0.0216	0.0198	87.9%	88.8%
σ		0.0374	0.0109	0.0308	0.0038	0.0261	0.0102	0.6%	2.0%
%RSD		122.6890	11.8649	7487.6020	143.2591	121.0155	51.6578	0.6	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:19:55	-0.0066	-0.0074	-0.0017					
2	15:20:17	0.0008	-0.0007	-0.0005					
3	15:20:39	0.0039	-0.0059	0.0007					
x		-0.0006	-0.0047	-0.0005					
σ		0.0054	0.0035	0.0012					
%RSD		870.4460	75.5176	230.1849					

**K1004544-018D** 05/18/2010 03:22:36 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:36	0.1456	0.2827	0.4063	1.6419	5.7064	4.4366	86.2%	87.4%
2	15:22:58	0.0591	0.2641	0.4573	1.6683	5.3582	4.5402	87.0%	89.0%
3	15:23:19	0.0417	0.2546	0.4635	1.6439	4.7419	4.4612	87.9%	91.2%
x		0.0821	0.2671	0.4424	1.6514	5.2688	4.4793	87.1%	89.2%
σ		0.0557	0.0143	0.0314	0.0147	0.4884	0.0541	0.9%	1.9%
%RSD		67.7966	5.3442	7.0919	0.8888	9.2702	1.2075	1.0	2.1
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:22:36	-0.0010	-0.0016	-0.0021					
2	15:22:58	-0.0105	-0.0050	-0.0035					
3	15:23:19	-0.0074	-0.0103	-0.0053					
x		-0.0063	-0.0056	-0.0037					
σ		0.0049	0.0044	0.0016					
%RSD		76.9433	78.1118	44.2424					

**K1004544-018S** 05/18/2010 03:25:19 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:25:19	19.7652	20.0869	20.5203	21.0548	24.7234	23.2158	86.7%	87.6%
2	15:25:41	19.8426	19.7793	19.7873	21.2694	24.8465	23.3477	87.5%	90.0%
3	15:26:03	19.8331	19.2316	19.6185	20.8946	23.5474	23.8849	88.1%	90.9%
x		19.8136	19.6993	19.9754	21.0729	24.3724	23.4828	87.4%	89.5%
σ		0.0422	0.4333	0.4794	0.1880	0.7172	0.3545	0.7%	1.7%
%RSD		0.2131	2.1994	2.4000	0.8923	2.9425	1.5094	0.8	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:25:19	19.2554	19.5564	19.3381					
2	15:25:41	19.2929	19.3945	19.3428					
3	15:26:03	19.2013	19.1228	19.1772					
x		19.2499	19.3579	19.2860					
σ		0.0461	0.2191	0.0943					
%RSD		0.2393	1.1320	0.4888					

**K1004116-MB** 05/18/2010 03:28:03 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:28:03	0.0900	0.1823	0.0452	0.0400	0.0539	0.0383	92.4%	90.1%
2	15:28:25	0.1196	0.1958	0.0789	0.0188	0.0394	0.0698	94.4%	92.4%
3	15:28:47	0.0455	0.1283	0.1001	0.0382	-0.0034	0.0451	94.8%	94.0%
x		0.0850	0.1688	0.0747	0.0323	0.0300	0.0511	93.9%	92.1%
σ		0.0373	0.0357	0.0277	0.0117	0.0298	0.0166	1.3%	2.0%
%RSD		43.8276	21.1451	37.0647	36.3132	99.2501	32.4063	1.3	2.1
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:28:03	0.0005	-0.0088	-0.0023					
2	15:28:25	-0.0048	0.0073	0.0004					
3	15:28:47	-0.0016	-0.0009	-0.0014					
x		-0.0019	-0.0008	-0.0011					
σ		0.0027	0.0081	0.0014					
%RSD		139.2070	997.6639	126.1260					

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User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:47	20.8317	21.1162	21.1256	20.4829	19.6045	20.2949	90.7%	89.5%
2	15:31:09	20.4021	20.6964	21.0081	20.5804	19.9386	20.8832	92.1%	91.8%
3	15:31:37	19.9489	19.6867	19.8957	20.1371	18.8178	19.6976	93.8%	93.6%
x		20.3942	20.4998	20.6764	20.4001	19.4536	20.2919	92.2%	91.6%
$\sigma$		0.4414	0.7347	0.6787	0.2329	0.5755	0.5928	1.6%	2.0%
%RSD		2.1645	3.5841	3.2826	1.1417	2.9581	2.9214	1.7	2.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:30:47	20.2466	20.2616	20.2561					
2	15:31:09	20.4084	20.5563	20.4445					
3	15:31:37	20.0495	20.2059	20.1528					
x		20.2349	20.3413	20.2845					
$\sigma$		0.1797	0.1883	0.1479					
%RSD		0.8882	0.9257	0.7291					

K1004116-001 05/18/2010 03:33:42 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:33:42	0.0377	5.9084	5.8355	30.9048	26.8925	29.5245	88.8%	89.5%
2	15:34:04	0.0804	5.8672	6.0470	31.8359	27.6106	30.7143	88.7%	91.8%
3	15:34:26	0.0742	5.8197	5.7731	31.5828	28.2074	29.9620	89.8%	92.4%
x		0.0641	5.8651	5.8852	31.4412	27.5702	30.0669	89.1%	91.2%
$\sigma$		0.0230	0.0444	0.1436	0.4814	0.6583	0.6018	0.6%	1.5%
%RSD		35.9545	0.7572	2.4397	1.5312	2.3879	2.0014	0.7	1.6
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:33:42	0.1177	0.1211	0.1214					
2	15:34:04	0.1190	0.1197	0.1230					
3	15:34:26	0.1221	0.1248	0.1299					
x		0.1196	0.1219	0.1248					
$\sigma$		0.0023	0.0026	0.0045					
%RSD		1.9218	2.1640	3.5892					

K1004116-001D 05/18/2010 03:36:23 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:23	0.0232	5.9493	5.9760	30.2329	27.0599	28.9349	87.8%	88.7%
2	15:36:44	0.0614	5.9651	5.9514	29.8141	27.0895	29.0756	88.4%	90.7%
3	15:37:06	0.1292	5.8663	5.9833	29.6063	26.2225	29.1271	89.1%	92.1%
x		0.0713	5.9269	5.9702	29.8844	26.7906	29.0459	88.4%	90.5%
$\sigma$		0.0537	0.0531	0.0167	0.3192	0.4923	0.0995	0.7%	1.7%
%RSD		75.2984	0.8953	0.2798	1.0680	1.8375	0.3425	0.8	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:36:23	0.1187	0.1401	0.1342					
2	15:36:44	0.1196	0.1203	0.1247					
3	15:37:06	0.1316	0.1398	0.1280					
x		0.1233	0.1334	0.1290					
$\sigma$		0.0072	0.0114	0.0048					
%RSD		5.8407	8.5140	3.7182					

**K1004116-001 1/5L** 05/18/2010 03:39:02 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:02	0.0119	1.3066	1.2657	6.4958	6.3727	6.1800	91.7%	90.1%
2	15:39:23	0.0219	1.2539	1.2222	6.3875	5.5024	6.1017	93.4%	92.9%
3	15:39:46	0.0954	1.1621	1.2338	6.2834	5.9795	6.2515	94.2%	94.9%
x		0.0431	1.2408	1.2406	6.3889	5.9515	6.1777	93.1%	92.6%
σ		0.0456	0.0731	0.0225	0.1062	0.4358	0.0749	1.3%	2.4%
%RSD		105.8243	5.8928	1.8137	1.6618	7.3225	1.2132	1.4	2.6
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:39:02	0.0139	0.0185	0.0217					
2	15:39:23	0.0264	0.0215	0.0247					
3	15:39:46	0.0249	0.0273	0.0246					
x		0.0217	0.0225	0.0237					
σ		0.0068	0.0045	0.0017					
%RSD		31.4624	19.9879	7.2873					

**K1004116-001A** 05/18/2010 03:41:44 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:44	22.7405	28.3940	28.5846	51.2016	47.1970	50.4278	87.1%	88.1%
2	15:42:05	22.4017	28.0217	28.9949	52.5008	48.7113	51.1295	86.7%	90.0%
3	15:42:27	22.1517	27.4510	27.9767	51.5484	47.9173	50.1991	87.4%	91.4%
x		22.4313	27.9556	28.5187	51.7503	47.9418	50.5855	87.1%	89.8%
σ		0.2955	0.4750	0.5123	0.6727	0.7575	0.4848	0.3%	1.7%
%RSD		1.3175	1.6990	1.7962	1.2999	1.5800	0.9584	0.4	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:41:44	22.0823	22.2430	22.0911					
2	15:42:05	21.9203	22.0113	22.0290					
3	15:42:27	21.8402	21.6603	21.8147					
x		21.9476	21.9716	21.9783					
σ		0.1234	0.2934	0.1450					
%RSD		0.5622	1.3353	0.6599					

**K1004116-001S** 05/18/2010 03:44:26 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:26	20.7440	26.3288	26.4856	49.3904	46.1404	47.9217	86.7%	88.5%
2	15:44:47	20.6661	25.8255	26.1993	50.1952	46.6553	48.9934	86.7%	89.9%
3	15:45:09	20.2024	25.4192	25.9674	49.6069	45.9703	47.7546	87.0%	91.0%
x		20.5375	25.8578	26.2174	49.7309	46.2553	48.2232	86.8%	89.8%
σ		0.2928	0.4556	0.2596	0.4165	0.3567	0.6722	0.2%	1.3%
%RSD		1.4257	1.7621	0.9901	0.8375	0.7711	1.3939	0.2	1.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:44:26	20.0519	20.1939	20.0669					
2	15:44:47	20.0628	20.2507	20.1706					
3	15:45:09	20.0251	19.9663	20.0308					
x		20.0466	20.1370	20.0894					
σ		0.0194	0.1505	0.0726					
%RSD		0.0968	0.7475	0.3612					

**K1004116-002** 05/18/2010 03:47:16 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:16	1.6615	5.6428	6.3394	3.7402	6.3802	5.7276	78.1%	82.9%
2	15:47:37	1.7772	5.5921	6.3779	3.5622	6.5927	5.7530	77.5%	83.0%
3	15:47:59	1.6331	5.4598	5.9818	3.4343	6.7215	5.6348	76.7%	84.4%
x		1.6906	5.5649	6.2330	3.5789	6.5648	5.7052	77.4%	83.4%
σ		0.0763	0.0945	0.2184	0.1536	0.1723	0.0623	0.7%	0.9%
%RSD		4.5132	1.6985	3.5047	4.2926	2.6253	1.0911	0.9	1.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:47:16	0.0495	0.0418	0.0510					
2	15:47:37	0.0410	0.0442	0.0445					
3	15:47:59	0.0494	0.0542	0.0546					
x		0.0466	0.0468	0.0500					
σ		0.0049	0.0066	0.0052					
%RSD		10.4461	14.0316	10.2919					

**CCV4** 05/18/2010 03:49:55 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:55	25.7365	26.2015	26.1648	25.6021	24.6861	24.9029	89.3%	88.5%
2	15:50:18	25.8300	26.1265	26.8038	25.5579	25.5139	25.2523	90.0%	90.1%
3	15:50:39	25.5331	25.7160	25.6839	25.0867	25.0672	24.9761	91.2%	91.7%
x		25.6999	26.0147	26.2175	25.4156	25.0891	25.0437	90.2%	90.1%
σ		0.1518	0.2613	0.5618	0.2857	0.4143	0.1843	1.0%	1.6%
%RSD		0.5907	1.0046	2.1428	1.1241	1.6514	0.7357	1.1	1.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:49:55	25.3173	25.2452	25.2424					
2	15:50:18	25.5281	25.6542	25.5150					
3	15:50:39	25.5880	25.3529	25.4669					
x		25.4778	25.4174	25.4081					
σ		0.1422	0.2120	0.1455					
%RSD		0.5582	0.8341	0.5726					

**CCB4** 05/18/2010 03:52:38 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:38	0.0529	0.1345	-0.0100	0.0074	0.0653	0.0188	92.2%	88.2%
2	15:53:00	0.0669	0.1164	-0.0127	0.0180	0.0210	0.0207	92.7%	90.9%
3	15:53:22	0.0957	0.0678	0.0034	0.0246	-0.0339	0.0392	93.7%	92.6%
x		0.0718	0.1062	-0.0065	0.0167	0.0174	0.0262	92.9%	90.6%
σ		0.0218	0.0345	0.0086	0.0087	0.0497	0.0112	0.8%	2.2%
%RSD		30.3774	32.4789	133.6127	52.0680	284.7263	42.8381	0.9	2.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:52:38	0.0006	0.0025	-0.0009					
2	15:53:00	0.0041	-0.0060	0.0004					
3	15:53:22	-0.0020	0.0023	-0.0003					
x		0.0009	-0.0004	-0.0003					
σ		0.0031	0.0048	0.0007					
%RSD		344.8776	1188.3365	227.8351					

K1004116-003 05/18/2010 03:55:18 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:18	23.0497	0.4648	0.9545	0.9254	6.5519	4.2597	72.8%	78.9%
2	15:55:40	22.9124	0.4655	0.7757	0.9087	6.8838	4.0492	73.9%	80.0%
3	15:56:02	23.2773	0.4178	0.8175	0.9966	5.9461	4.2635	74.6%	81.1%
X		23.0798	0.4494	0.8493	0.9436	6.4606	4.1908	73.8%	80.0%
σ		0.1843	0.0273	0.0935	0.0466	0.4755	0.1227	0.9%	1.1%
%RSD		0.7985	6.0812	11.0147	4.9436	7.3593	2.9270	1.3	1.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:55:18	0.0460	0.0541	0.0486					
2	15:55:40	0.0430	0.0546	0.0525					
3	15:56:02	0.0509	0.0452	0.0523					
X		0.0466	0.0513	0.0512					
σ		0.0040	0.0053	0.0022					
%RSD		8.5726	10.3351	4.2709					

K1004116-004 05/18/2010 03:58:00 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:00	17.8122	1.4758	1.6175	6.6240	11.3958	9.3793	76.4%	78.4%
2	15:58:21	18.8042	1.4508	1.7427	6.8022	11.0984	9.3310	76.4%	79.2%
3	15:58:43	18.0849	1.5152	1.7483	6.8574	11.6376	9.7402	77.1%	81.3%
X		18.2337	1.4806	1.7028	6.7612	11.3773	9.4835	76.6%	79.6%
σ		0.5125	0.0324	0.0740	0.1220	0.2701	0.2236	0.4%	1.5%
%RSD		2.8106	2.1916	4.3445	1.8040	2.3741	2.3578	0.5	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	15:58:00	0.5535	0.5839	0.5709					
2	15:58:21	0.5637	0.5998	0.5934					
3	15:58:43	0.5266	0.5837	0.5682					
X		0.5479	0.5892	0.5775					
σ		0.0191	0.0092	0.0139					
%RSD		3.4934	1.5664	2.3987					

K1004216-001 05/18/2010 04:00:42 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:42	0.2436	5.4266	5.5202	13.4015	11.9818	13.2761	85.3%	84.0%
2	16:01:04	0.2363	5.7279	5.8776	13.8158	12.8777	13.2323	85.3%	85.2%
3	16:01:25	0.2500	5.5031	5.5853	14.0182	12.7206	13.7328	86.3%	87.1%
X		0.2433	5.5525	5.6610	13.7452	12.5267	13.4137	85.6%	85.4%
σ		0.0068	0.1566	0.1904	0.3144	0.4784	0.2772	0.6%	1.6%
%RSD		2.8104	2.8201	3.3626	2.2871	3.8189	2.0663	0.7	1.9
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:00:42	0.2729	0.3002	0.2938					
2	16:01:04	0.3033	0.3255	0.3078					
3	16:01:25	0.2880	0.2958	0.2976					
X		0.2881	0.3072	0.2997					
σ		0.0152	0.0160	0.0072					
%RSD		5.2841	5.2248	2.4152					

**K1004216-002** 05/18/2010 04:03:25 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:25	0.0907	7.8823	8.4166	10.6512	10.1926	10.7068	85.1%	84.1%
2	16:03:47	0.0153	7.9951	8.4925	10.9927	10.6484	11.0828	84.5%	84.5%
3	16:04:10	0.0638	7.9452	8.2944	11.3030	10.4836	11.1715	84.1%	85.5%
x		0.0566	7.9409	8.4012	10.9823	10.4415	10.9870	84.6%	84.7%
$\sigma$		0.0383	0.0565	0.1000	0.3260	0.2308	0.2467	0.5%	0.7%
%RSD		67.5735	0.7119	1.1901	2.9686	2.2106	2.2452	0.6	0.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:03:25	0.0947	0.1006	0.0983					
2	16:03:47	0.0964	0.1070	0.1046					
3	16:04:10	0.0930	0.1120	0.1039					
x		0.0947	0.1065	0.1023					
$\sigma$		0.0017	0.0057	0.0035					
%RSD		1.7685	5.3798	3.3750					

**K1004216-003** 05/18/2010 04:06:20 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:20	2.3554	0.9707	1.1809	10.8709	12.1219	12.1816	89.0%	85.0%
2	16:06:41	2.3566	0.9338	1.0625	11.1732	12.9345	12.2515	89.3%	86.1%
3	16:07:03	2.2533	0.8621	1.1010	11.0600	12.0185	12.1344	90.6%	87.5%
x		2.3218	0.9222	1.1148	11.0347	12.3583	12.1892	89.6%	86.2%
$\sigma$		0.0593	0.0552	0.0604	0.1527	0.5017	0.0589	0.8%	1.2%
%RSD		2.5549	5.9880	5.4191	1.3841	4.0593	0.4836	0.9	1.4
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:06:20	0.1531	0.1551	0.1497					
2	16:06:41	0.1422	0.1430	0.1453					
3	16:07:03	0.1562	0.1545	0.1518					
x		0.1505	0.1509	0.1489					
$\sigma$		0.0073	0.0068	0.0033					
%RSD		4.8750	4.5328	2.2055					

**K1004216-004** 05/18/2010 04:09:03 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:03	1.1993	2.6291	2.8039	2.1537	3.6938	3.5548	78.6%	79.6%
2	16:09:25	1.2833	2.7206	3.0185	2.2111	3.8800	3.9199	77.2%	79.4%
3	16:09:47	1.3044	2.8517	2.8324	2.2346	4.1254	3.9163	77.4%	80.7%
x		1.2624	2.7338	2.8849	2.1998	3.8998	3.7970	77.8%	79.9%
$\sigma$		0.0556	0.1119	0.1166	0.0416	0.2165	0.2098	0.8%	0.7%
%RSD		4.4040	4.0920	4.0405	1.8908	5.5510	5.5257	1.0	0.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:09:03	0.1577	0.1966	0.1779					
2	16:09:25	0.1747	0.1964	0.1914					
3	16:09:47	0.1885	0.2025	0.1875					
x		0.1736	0.1985	0.1856					
$\sigma$		0.0154	0.0034	0.0069					
%RSD		8.8754	1.7350	3.7241					



**K1004216-005** 05/18/2010 04:11:46 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:11:46	0.1079	1.1493	1.3115	2.7281	5.4990	4.4833	80.5%	79.5%
2	16:12:08	0.2355	1.1316	1.3169	2.6258	5.2143	4.5198	80.4%	80.5%
3	16:12:29	0.1958	1.0835	1.4270	2.5209	5.2405	4.4880	80.0%	81.4%
x		0.1797	1.1214	1.3518	2.6249	5.3179	4.4970	80.3%	80.4%
σ		0.0653	0.0341	0.0652	0.1036	0.1574	0.0199	0.3%	1.0%
%RSD		36.3173	3.0370	4.8219	3.9455	2.9596	0.4420	0.4	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:11:46	0.0852	0.1085	0.0933					
2	16:12:08	0.0904	0.1028	0.0965					
3	16:12:29	0.0887	0.1064	0.1004					
x		0.0881	0.1059	0.0967					
σ		0.0027	0.0029	0.0035					
%RSD		3.0264	2.7256	3.6696					

**K1004216-006** 05/18/2010 04:14:27 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:27	0.2749	51.7007	52.7630	10.1572	13.4745	11.9411	85.5%	81.9%
2	16:14:48	0.2523	53.5079	55.0497	10.6204	13.0918	12.6963	84.7%	82.5%
3	16:15:10	0.2379	52.1564	52.9041	10.6256	13.2413	12.5725	86.1%	83.8%
x		0.2550	52.4550	53.5723	10.4677	13.2692	12.4033	85.4%	82.7%
σ		0.0187	0.9399	1.2814	0.2689	0.1929	0.4050	0.7%	1.0%
%RSD		7.3266	1.7918	2.3920	2.5692	1.4536	3.2655	0.8	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:14:27	0.1562	0.1499	0.1544					
2	16:14:48	0.1327	0.1544	0.1397					
3	16:15:10	0.1484	0.1507	0.1540					
x		0.1458	0.1517	0.1493					
σ		0.0120	0.0024	0.0084					
%RSD		8.2182	1.5763	5.6127					

**K1004252-001** 05/18/2010 04:17:07 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:07	3.2448	2.8180	4.0405	8.9172	11.8307	11.1894	85.8%	81.5%
2	16:17:29	3.4883	2.8316	4.0558	9.2793	12.5284	11.1738	84.7%	82.0%
3	16:17:51	3.4182	2.7305	4.1006	9.2488	12.2708	11.4276	85.4%	83.5%
x		3.3838	2.7934	4.0656	9.1484	12.2100	11.2636	85.3%	82.3%
σ		0.1253	0.0549	0.0313	0.2008	0.3529	0.1423	0.5%	1.0%
%RSD		3.7033	1.9644	0.7691	2.1949	2.8899	1.2631	0.6	1.2
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:17:07	0.0855	0.0850	0.0835					
2	16:17:29	0.0787	0.0925	0.0899					
3	16:17:51	0.0790	0.0936	0.0901					
x		0.0811	0.0903	0.0878					
σ		0.0039	0.0047	0.0038					
%RSD		4.7546	5.1819	4.3077					

**K1004252-002** 05/18/2010 04:19:49 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:49	12.8185	0.6499	0.8418	8.4833	21.5540	18.6332	75.5%	74.5%
2	16:20:11	13.5110	0.6769	0.7756	8.6771	22.4364	19.2395	75.8%	74.7%
3	16:20:33	13.5779	0.6926	0.7846	8.7741	22.9248	18.9100	76.8%	75.8%
x		13.3024	0.6731	0.8007	8.6448	22.3051	18.9275	76.0%	75.0%
σ		0.4205	0.0216	0.0359	0.1481	0.6947	0.3035	0.7%	0.7%
%RSD		3.1607	3.2080	4.4816	1.7130	3.1147	1.6036	0.9	1.0
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:19:49	0.0925	0.1090	0.1056					
2	16:20:11	0.1071	0.1199	0.1111					
3	16:20:33	0.1146	0.1251	0.1152					
x		0.1047	0.1180	0.1106					
σ		0.0113	0.0082	0.0048					
%RSD		10.7476	6.9293	4.3416					

**CCV5** 05/18/2010 04:22:30 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:30	25.1757	26.4831	26.5927	24.4329	23.4148	23.4845	83.0%	78.9%
2	16:22:52	26.1976	27.0929	27.2631	25.0524	25.1264	25.3754	82.9%	79.1%
3	16:23:14	25.9081	26.9868	27.2001	25.4002	24.4471	24.7536	84.6%	81.5%
x		25.7605	26.8543	27.0186	24.9618	24.3294	24.5378	83.5%	79.8%
σ		0.5267	0.3258	0.3702	0.4899	0.8618	0.9637	1.0%	1.5%
%RSD		2.0447	1.2131	1.3701	1.9628	3.5424	3.9275	1.2	1.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:22:30	24.6843	24.4830	24.5507					
2	16:22:52	26.0020	25.8132	25.8567					
3	16:23:14	25.6094	25.4381	25.4798					
x		25.4319	25.2447	25.2957					
σ		0.6766	0.6858	0.6722					
%RSD		2.6603	2.7167	2.6572					

**CCB5** 05/18/2010 04:25:20 PM

User Pre-dilution: 1.000

Run	Time	51V	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	175Lu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:20	0.0914	0.2338	0.0569	0.0653	0.0272	0.0627	82.7%	79.1%
2	16:25:42	0.0843	0.2021	0.0447	0.0210	0.0772	0.0193	82.0%	78.8%
3	16:26:04	0.0699	0.1744	0.0544	0.0568	0.1229	0.0430	83.0%	80.1%
x		0.0819	0.2035	0.0520	0.0477	0.0757	0.0417	82.6%	79.3%
σ		0.0109	0.0297	0.0064	0.0235	0.0479	0.0217	0.5%	0.7%
%RSD		13.3456	14.5968	12.3624	49.2542	63.2000	52.1349	0.6	0.8
Run	Time	206Pb	207Pb	208Pb					
		ppb	ppb	ppb					
1	16:25:20	0.0064	-0.0080	-0.0024					
2	16:25:42	-0.0013	-0.0034	-0.0006					
3	16:26:04	0.0012	-0.0057	-0.0024					
x		0.0021	-0.0057	-0.0018					
σ		0.0039	0.0023	0.0010					
%RSD		187.0600	40.0372	57.5848					

July 1, 2010

Analytical Report for Service Request No: K1004744

Melissa Kleven  
Exponent  
15375 Southeast 30th Place, Suite 250  
Bellevue, WA 98007

**RE: Heglur Kronquist/0907194.000.0601**

Dear Melissa:

Enclosed are the additional pages for the samples submitted to our laboratory on May 12, 2010. For your reference, these analyses have been assigned our service request number K1004744.

Results for "Phosphate as Orthophosphate" enclosed.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at [www.caslab.com](http://www.caslab.com). All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3281. You may also contact me via Email at [PDivvela@caslab.com](mailto:PDivvela@caslab.com).

Respectfully submitted,

**Columbia Analytical Services, Inc.**



Pradeep Divvela  
Project Chemist

PD/lb

Page 1 of 2

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 05/10,11/10  
Date Received : 05/12/10

Phosphate as Orthophosphate

Analysis Method : 365.3  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
BH-5	K1004744-001	0.031	0.013	1	05/12/10 11:00	0.264	
BH-4	K1004744-002	0.031	0.013	1	05/12/10 11:00	ND	
EB-051110	K1004744-003	0.031	0.013	1	05/12/10 11:00	ND	
BH-3	K1004744-004	0.031	0.013	1	05/12/10 11:00	0.209	
Method Blank	K1004744-MB	0.031	0.013	1	05/12/10 11:00	ND	

June 7, 2010

Analytical Report for Service Request No: K1004744

Melissa Kleven  
Exponent  
15375 Southeast 30th Place, Suite 250  
Bellevue, WA 98007

**RE: Heglur Kronquist/0907194.000.0601**

Dear Melissa:

Enclosed are the results of the samples submitted to our laboratory on May 12, 2010. For your reference, these analyses have been assigned our service request number K1004744.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at [www.caslab.com](http://www.caslab.com). All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3281. You may also contact me via Email at [PDivvela@caslab.com](mailto:PDivvela@caslab.com).

Respectfully submitted,

**Columbia Analytical Services, Inc.**



Pradeep Divvela  
Project Chemist

PD/kd

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## Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

### Inorganic Data Qualifiers

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value that was detected outside the quantitation range.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.1 definition*: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

### Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value that was detected outside the quantitation range.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.1 definition*: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

### Organic Data Qualifiers

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value that was detected outside the quantitation range.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.  
*DOD-QSM 4.1 definition*: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

### Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

**Columbia Analytical Services, Inc.**  
**Kelso, WA**  
**State Certifications, Accreditations, and Licenses**

<b>Program</b>	<b>Number</b>
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-





## **Case Narrative**

**COLUMBIA ANALYTICAL SERVICES, INC.**

**Client:** Exponent  
**Project:** Heglar Kronquist  
**Sample Matrix:** Water

**Service Request No.:** K1004744  
**Date Received:** 05/12/10

**CASE NARRATIVE**

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

**Sample Receipt**

Four water samples were received for analysis at Columbia Analytical Services on 05/12/10. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

**General Chemistry Parameters**

A field filtered bottle was used for the measurement of Cl, SO<sub>4</sub>, F, NO<sub>2</sub>, NO<sub>3</sub> and Ortho Phosphate.

No anomalies associated with the analysis of these samples were observed.

**Dissolved Metals**

No anomalies associated with the analysis of these samples were observed.

Approved by \_\_\_\_\_ Date 6/7/10

## **Chain of Custody**

**CHAIN OF CUSTODY**

SR#: K1604744

PAGE 1 OF 1 COC # \_\_\_\_\_

PROJECT NAME: Heglar Kronquist  
 PROJECT NUMBER: 60907194.000.0601  
 PROJECT MANAGER: Melissa Klevan  
 COMPANY ADDRESS: 15375 SE 30th PI  
 SUITE 250  
 CITY/STATE/ZIP: Bellevue, WA 98007  
 E-MAIL ADDRESS: mklevan@exponent.com  
 PHONE # (425) 519-8774 FAX (425) 519-8799  
 SAMPLER'S SIGNATURE: [Signature] / Keri Whetter

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	SEMIVOLATILE ORGANICS BY GC/MS 625 <input type="checkbox"/> 8270 <input type="checkbox"/> 8270LL <input type="checkbox"/>	VOLATILE ORGANICS 624 <input type="checkbox"/> 8260 <input type="checkbox"/> 8270LL <input type="checkbox"/>	HYDROCARBONS ("see below") Gas <input type="checkbox"/> Oil <input type="checkbox"/>	FUEL FINGERPRINT (FIC) Oil <input type="checkbox"/>	Oil & Grease/TPH 1664 HEM <input type="checkbox"/>	PCBs 1664 SGT <input type="checkbox"/>	Aroclors	Pesticides/Herbicides 608 <input type="checkbox"/> 8081A <input type="checkbox"/> 8141A <input type="checkbox"/>	Chlorophenolics - 8151M Tri <input type="checkbox"/> Tetra <input type="checkbox"/>	PAHS 8310 <input type="checkbox"/> SIM <input type="checkbox"/>	Metals, Total or Dissolved (See list below)	Cyanide <input type="checkbox"/>	pH, Cond (Cl, SO4, PO4, F, NO2, NO3) BOD, TSS (TDS) (circle)	NH3-N, COD, Total P, TKN, TOC, DOC (circle) NO2+NO3	TOX 9020 <input type="checkbox"/> AOX 1650 <input type="checkbox"/> 506 <input type="checkbox"/>	alkalinity phosphate as phosphate	REMARKS	
BH-5	5/10/10	1710		L	5											X		X	X	X	X		run
BH-4	5/11/10	1025		L	5											X		X	X	X	X		ortho-poly,
EB-051110	5/11/10	1115		L	5											X		X	X	X	X		NO2 and
BH-3	5/11/10	1347		L	5											X		X	X	X	X		NO3 ASAP,
																							within
																							48 hr
																							hold
																							time

**REPORT REQUIREMENTS**  
 I. Routine Report: Method Blank, Surrogate, as required  
 II. Report Dup., MS, MSD as required  
 III. Data Validation Report (includes all raw data)  
 IV. CLP Deliverable Report  
 V. EDD  
 I.  II.  III.  IV.  V.

**INVOICE INFORMATION**  
 P.O. # \_\_\_\_\_  
 Bill To: same as above

**TURNAROUND REQUIREMENTS**  
 24 hr. \_\_\_\_\_ 48 hr. \_\_\_\_\_  
 5 Day \_\_\_\_\_  
 Standard (10-15 working days)  
 Provide FAX Results \_\_\_\_\_  
 Requested Report Date \_\_\_\_\_

Circle which metals are to be analyzed:  
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg  
 Dissolved Metals: Ni As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo (Ni K Ag Na Se Sr Ti) Sn V Zn Hg (CIRCLE ONE)

\*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: \_\_\_\_\_ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:  
 -run phosphate as orthophosphate, nitrate and nitrite ASAP, within 48 hr hold time  
 - 500 mL poly w/ H2SO4 16 poly 16 unpreserved, and 500 mL poly w/ HNO3 are field-filtered  
 Sample Shipment contains USDA regulated soil samples (check box if applicable)

Container Supply Number: 17718  
 BAR CODE # T022894

<p>RELINQUISHED BY:                  [Signature] Keri Whetter                  Date/Time: 5/11/10, 1445                  Firm: Exponent</p>	<p>RECEIVED BY:                  [Signature] Les Kennedy                  Date/Time: 5/12/10, 0855                  Firm: CA</p>
<p>RELINQUISHED BY:                  Signature: _____                  Date/Time: _____                  Firm: _____</p>	<p>RECEIVED BY:                  Signature: _____                  Date/Time: _____                  Firm: _____</p>

**Columbia Analytical Services, Inc.  
Cooler Receipt and Preservation Form**

PC AD

Client / Project: Exponent Service Request K10 04744

Received: 5/12/10 Opened: 5/12/10 By: UA

1. Samples were received via? *Mail*  **Fed Ex** *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle)  **Cooler** *Box* *Envelope* *Other* \_\_\_\_\_ *NA*
3. Were custody seals on coolers? *NA*  **Y** *N* If yes, how many and where? 1 front
- If present, were custody seals intact?  **Y** *N* If present, were they signed and dated?  **Y** *N*

Cooler Temp °C	Temp Blank °C	Thermometer ID	Cooler/COC ID	NA	Tracking Number	NA	Filed
1.0	2.4	261					✓

7. Packing material used. *Inserts*  **Baggies** *Bubble Wrap* *Gel Packs*  **Wet Ice** *Sleeves* *Other* \_\_\_\_\_
8. Were custody papers properly filled out (ink, signed, etc.)? *NA*  **Y** *N*
9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* *NA*  **Y** *N*
10. Were all sample labels complete (i.e analysis, preservation, etc.)? *NA*  **Y** *N*
11. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* *NA*  **Y** *N*
12. Were appropriate bottles/containers and volumes received for the tests indicated? *NA*  **Y** *N*
13. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* *NA*  **Y** *N*
14. Were VOA vials received without headspace? *Indicate in the table below.*  **NA** *Y* *N*
15. Was C12/Res negative?  **NA** *Y* *N*

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Out of	Head-	Broke	pH	Reagent	Volume	Reagent Lot	Initials	Time
	Bottle Type	Temp	space				added	Number		

**SHORT HOLD TIME**

Notes, Discrepancies, & Resolutions: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## **General Chemistry Parameters**

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 05/10,11/10  
Date Received : 05/12/10

Chloride

Analysis Method : 300.0  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-5	K1004744-001	1.0	0.2	5	06/01/10	13.4	
BH-4	K1004744-002	20	3	100	06/01/10	810	
EB-051110	K1004744-003	0.20	0.03	1	06/01/10	0.10	J
BH-3	K1004744-004	4.0	0.6	20	06/01/10	93.9	
Method Blank	K1004744-MB	0.20	0.03	1	06/01/10	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 06/01/10

Duplicate Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1005258-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Chloride	300.0	0.20	0.69	0.65	0.67	6	



**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 06/01/10

Matrix Spike Summary  
 Inorganic Parameters

**Sample Name :** Batch QC  
**Lab Code :** K1005258-001MS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
							Percent Recovery	
Chloride	300.0	0.20	3.00	0.69	3.22	84	80-120	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 06/01/10

Laboratory Control Sample Summary  
Inorganic Parameters

Sample Name : Lab Control Sample  
Lab Code : K1004744-LCS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Chloride	NONE	300.0	5.00	4.88	98	90-110	

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project : Heglar Kronquist

Service Request : K1004744  
Date Collected : NA  
Date Received : NA

Chloride  
300.0  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	6/1/2010	5.00	4.99	100
CCV2 Result	6/1/2010	5.00	4.90	98
CCV3 Result	6/1/2010	5.00	4.85	97
CCV4 Result	6/1/2010	5.00	4.90	98
CCV5 Result	6/1/2010	5.00	4.84	97
CCV6 Result	6/1/2010	5.00	4.88	98

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA

Chloride  
300.0  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	6/1/2010	0.20	ND
CCB2 Result	6/1/2010	0.20	ND
CCB3 Result	6/1/2010	0.20	ND
CCB4 Result	6/1/2010	0.20	ND
CCB5 Result	6/1/2010	0.20	0.03 J
CCB6 Result	6/1/2010	0.20	0.03 J

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 05/10,11/10  
Date Received : 05/12/10

Fluoride

Analysis Method : 300.0  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-5	K1004744-001	0.20	0.01	2	06/01/10	0.43	
BH-4	K1004744-002	0.20	0.01	2	06/01/10	0.14	J
EB-051110	K1004744-003	0.20	0.003	1	06/01/10	ND	
BH-3	K1004744-004	0.20	0.01	2	06/01/10	0.18	J
Method Blank	K1004744-MB	0.20	0.003	1	06/01/10	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 06/01/10

Duplicate Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1005258-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Fluoride	300.0	0.20	0.02	0.02	0.02	<1	J

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 06/01/10

Matrix Spike Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1005258-001MS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
							Percent Recovery	
Fluoride	300.0	0.20	3.00	0.02	2.94	97	80-120	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 06/01/10

Laboratory Control Sample Summary  
Inorganic Parameters

Sample Name : Lab Control Sample  
Lab Code : K1004744-LCS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Fluoride	NONE	300.0	13.5	13.7	101	90-110	



# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project : Heglar Kronquist

Service Request : K1004744  
Date Collected : NA  
Date Received : NA

Fluoride  
300.0  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	6/1/2010	5.00	5.01	100
CCV2 Result	6/1/2010	5.00	4.91	98
CCV3 Result	6/1/2010	5.00	4.89	98
CCV4 Result	6/1/2010	5.00	4.91	98
CCV5 Result	6/1/2010	5.00	4.91	98
CCV6 Result	6/1/2010	5.00	4.93	99

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project : Heglar Kronquist

Service Request : K1004744  
Date Collected : NA  
Date Received : NA

Fluoride  
300.0  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	6/1/2010	0.20	ND
CCB2 Result	6/1/2010	0.20	ND
CCB3 Result	6/1/2010	0.20	ND
CCB4 Result	6/1/2010	0.20	ND
CCB5 Result	6/1/2010	0.20	ND
CCB6 Result	6/1/2010	0.20	ND

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004744  
**Date Collected :** 05/10,11/10  
**Date Received :** 05/12/10

Sulfate

**Analysis Method :** 300.0  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-5	K1004744-001	0.20	0.02	2	06/01/10	18.4	
BH-4	K1004744-002	1.0	0.1	5	06/01/10	32.2	
EB-051110	K1004744-003	0.20	0.01	1	06/01/10	0.03	J
BH-3	K1004744-004	4.0	0.2	20	06/01/10	21.3	
Method Blank	K1004744-MB	0.20	0.01	1	06/01/10	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 06/01/10

Duplicate Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1005258-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Sulfate	300.0	0.20	1.85	1.85	1.85	<1	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 06/01/10

Matrix Spike Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1005258-001MS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
							Percent Recovery	
Sulfate	300.0	0.20	3.00	1.85	4.61	92	80-120	

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 06/01/10

Laboratory Control Sample Summary  
Inorganic Parameters

**Sample Name :** Lab Control Sample  
**Lab Code :** K1004744-LCS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

<b>Analyte</b>	<b>Prep Method</b>	<b>Analysis Method</b>	<b>True Value</b>	<b>Result</b>	<b>Percent Recovery</b>	<b>CAS Percent Recovery Acceptance Limits</b>	<b>Result Notes</b>
Sulfate	NONE	300.0	5.00	4.79	96	90-110	

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA

Sulfate  
300.0  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	6/1/2010	5.00	4.99	100
CCV2 Result	6/1/2010	5.00	4.98	100
CCV3 Result	6/1/2010	5.00	4.94	99
CCV4 Result	6/1/2010	5.00	4.92	98
CCV5 Result	6/1/2010	5.00	4.89	98
CCV6 Result	6/1/2010	5.00	4.88	98

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project : Heglar Kronquist

Service Request : K1004744  
Date Collected : NA  
Date Received : NA

Sulfate  
300.0  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	6/1/2010	0.20	ND
CCB2 Result	6/1/2010	0.20	ND
CCB3 Result	6/1/2010	0.20	0.14 J
CCB4 Result	6/1/2010	0.20	ND
CCB5 Result	6/1/2010	0.20	0.02 J
CCB6 Result	6/1/2010	0.20	0.02 J



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 05/10,11/10  
Date Received : 05/12/10

Ammonia as Nitrogen, Dissolved

Analysis Method : 350.1  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-5	K1004744-001	0.050	0.020	1	05/14/10	ND	
BH-4	K1004744-002	0.050	0.020	1	05/14/10	ND	
EB-051110	K1004744-003	0.050	0.020	1	05/14/10	ND	
BH-3	K1004744-004	0.050	0.020	1	05/14/10	ND	
Method Blank	K1004744-MB	0.050	0.020	1	05/14/10	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 5/10/2010  
Date Received : 5/12/2010  
Date Prepared : NA  
Date Analyzed : 05/14/10

Duplicate Summary  
Inorganic Parameters

Sample Name : BH-5  
Lab Code : K1004744-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Ammonia as Nitrogen, Dissolved	350.1	0.050	ND	ND	ND	-	

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

Client : Exponent  
 Project Name : Heglar Kronquist  
 Project Number : 0907194.000.0601  
 Sample Matrix : WATER

Service Request : K1004744  
 Date Collected : 5/10/2010  
 Date Received : 5/12/2010  
 Date Prepared : NA  
 Date Analyzed : 05/14/10

Matrix Spike Summary  
 Inorganic Parameters

Sample Name : BH-5  
 Lab Code : K1004744-001MS  
 Test Notes :

Units : mg/L  
 Basis : NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
							Percent Recovery	
Ammonia as Nitrogen, Dissolved	350.1	0.050	2.00	ND	2.06	102	90-112	

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/14/10

Laboratory Control Sample Summary  
 Inorganic Parameters

**Sample Name :** Lab Control Sample  
**Lab Code :** K1004744-LCS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Ammonia as Nitrogen	NONE	350.1	14.3	14.4	101	90-112	

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project : Heglar Kronquist

Service Request : K1004744  
Date Collected : NA  
Date Received : NA

Ammonia as Nitrogen  
350.1  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	5/14/2010	2.00	1.99	100
CCV2 Result	5/14/2010	2.00	1.99	100
CCV3 Result	5/14/2010	2.00	1.98	99
CCV4 Result	5/14/2010	2.00	1.99	100
CCV5 Result	5/14/2010	2.00	1.99	100
CCV6 Result	5/14/2010	2.00	1.98	99
CCV7 Result	5/14/2010	2.00	1.99	100
CCV8 Result	5/14/2010	2.00	1.99	100

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project : Heglar Kronquist

Service Request : K1004744  
Date Collected : NA  
Date Received : NA

Ammonia as Nitrogen  
350.1  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	5/14/2010	0.050	ND
CCB2 Result	5/14/2010	0.050	ND
CCB3 Result	5/14/2010	0.050	ND
CCB4 Result	5/14/2010	0.050	ND
CCB5 Result	5/14/2010	0.050	ND
CCB6 Result	5/14/2010	0.050	ND
CCB7 Result	5/14/2010	0.050	ND
CCB8 Result	5/14/2010	0.050	ND

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 05/10,11/10  
Date Received : 05/12/10

Nitrite as Nitrogen

Analysis Method : 353.2  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
BH-5	K1004744-001	0.050	0.005	1	05/12/10 12:56	0.020	J
BH-4	K1004744-002	0.050	0.005	1	05/12/10 12:56	0.041	J
EB-051110	K1004744-003	0.050	0.005	1	05/12/10 12:56	0.015	J
BH-3	K1004744-004	0.050	0.005	1	05/12/10 12:56	0.035	J
Method Blank	K1004744-MB	0.050	0.005	1	05/12/10 12:56	0.016	J

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 5/10/2010  
Date Received : 5/12/2010  
Date Prepared : NA  
Date Analyzed : 05/12/10

Duplicate Summary  
Inorganic Parameters

Sample Name : BH-5  
Lab Code : K1004744-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Nitrite as Nitrogen	353.2	0.050	0.020	0.020	0.020	<1	J



**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004744  
**Date Collected :** 5/10/2010  
**Date Received :** 5/12/2010  
**Date Prepared :** NA  
**Date Analyzed :** 05/12/10

Matrix Spike Summary  
 Inorganic Parameters

**Sample Name :** BH-5  
**Lab Code :** K1004744-001MS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
							Percent Recovery	
Nitrite as Nitrogen	353.2	0.050	2.00	0.020	2.00	99	90-110	

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

Client : Exponent  
 Project Name : Heglar Kronquist  
 Project Number : 0907194.000.0601  
 Sample Matrix : WATER

Service Request : K1004744  
 Date Collected : NA  
 Date Received : NA  
 Date Prepared : NA  
 Date Analyzed : 05/12/10

Laboratory Control Sample Summary  
 Inorganic Parameters

Sample Name : Lab Control Sample  
 Lab Code : K1004744-LCS  
 Test Notes :

Units : mg/L  
 Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery		Result Notes
						Acceptance Limits		
Nitrite as Nitrogen	NONE	353.2	4.00	3.93	98	90-110		

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA

Nitrite as Nitrogen  
353.2  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	5/12/2010	2.00	1.94	97
CCV2 Result	5/12/2010	2.00	1.95	98
CCV3 Result	5/12/2010	2.00	1.96	98

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA

Nitrite as Nitrogen  
353.2  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	5/12/2010	0.050	0.015 J
CCB2 Result	5/12/2010	0.050	0.013 J
CCB3 Result	5/12/2010	0.050	0.013 J

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 05/10,11/10  
Date Received : 05/12/10

Nitrate as Nitrogen

Analysis Method : 353.2  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-5	K1004744-001	0.50	0.09	10	05/15/10	8.80	
BH-4	K1004744-002	0.50	0.09	10	05/15/10	34.9	
EB-051110	K1004744-003	0.050	0.009	1	05/15/10	ND	
BH-3	K1004744-004	0.50	0.09	10	05/15/10	15.8	
Method Blank	K1004744-MB	0.050	0.009	1	05/15/10	ND	

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

Client : Exponent  
 Project Name : Heglar Kronquist  
 Project Number : 0907194.000.0601  
 Sample Matrix : WATER

Service Request : K1004744  
 Date Collected : 5/10/2010  
 Date Received : 5/12/2010  
 Date Prepared : NA  
 Date Analyzed : 05/15/10

Duplicate Summary  
 Inorganic Parameters

Sample Name : BH-5  
 Lab Code : K1004744-001DUP  
 Test Notes :

Units : mg/L  
 Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate		Relative Percent Difference	Result Notes
				Sample Result	Average		
Nitrate as Nitrogen	353.2	0.50	8.80	8.75	8.78	<1	

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004744  
**Date Collected :** 5/10/2010  
**Date Received :** 5/12/2010  
**Date Prepared :** NA  
**Date Analyzed :** 05/15/10

Matrix Spike Summary  
 Inorganic Parameters

**Sample Name :** BH-5  
**Lab Code :** K1004744-001MS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
							Percent Recovery Acceptance Limits	
Nitrate as Nitrogen	353.2	0.50	20.0	8.80	27.9	96	86-117	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/15/10

Laboratory Control Sample Summary  
Inorganic Parameters

Sample Name : Laboratory Control Sample  
Lab Code : K1004744-LCS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Nitrate as Nitrogen	NONE	353.2	14.8	14.6	99	88-110	



# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA

Nitrate as Nitrogen  
353.2  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	5/15/2010	2.00	2.03	102
CCV2 Result	5/15/2010	2.00	2.05	103
CCV3 Result	5/15/2010	2.00	2.05	103
CCV4 Result	5/15/2010	2.00	2.01	101
CCV5 Result	5/15/2010	2.00	2.03	102
CCV6 Result	5/15/2010	2.00	2.05	103
CCV7 Result	5/15/2010	2.00	2.04	102
CCV8 Result	5/15/2010	2.00	2.00	100

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project : Heglar Kronquist

Service Request : K1004744  
Date Collected : NA  
Date Received : NA

Nitrate as Nitrogen  
353.2  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	5/15/2010	0.050	ND
CCB2 Result	5/15/2010	0.050	ND
CCB3 Result	5/15/2010	0.050	ND
CCB4 Result	5/15/2010	0.050	ND
CCB5 Result	5/15/2010	0.050	ND
CCB6 Result	5/15/2010	0.050	ND
CCB7 Result	5/15/2010	0.050	ND
CCB8 Result	5/15/2010	0.050	ND

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 05/10,11/10  
Date Received : 05/12/10

Orthophosphate as Phosphorus

Analysis Method : 365.3  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
BH-5	K1004744-001	0.010	0.004	1	05/12/10 11:00	0.086	
BH-4	K1004744-002	0.010	0.004	1	05/12/10 11:00	ND	
EB-051110	K1004744-003	0.010	0.004	1	05/12/10 11:00	ND	
BH-3	K1004744-004	0.010	0.004	1	05/12/10 11:00	0.068	
Method Blank	K1004744-MB	0.010	0.004	1	05/12/10 11:00	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 5/10/2010  
Date Received : 5/12/2010  
Date Prepared : NA  
Date Analyzed : 05/12/10

Duplicate Summary  
Inorganic Parameters

Sample Name : BH-5  
Lab Code : K1004744-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Orthophosphate as Phosphorus	365.3	0.010	0.086	0.087	0.087	1	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 5/10/2010  
Date Received : 5/12/2010  
Date Prepared : NA  
Date Analyzed : 05/12/10

Matrix Spike Summary  
Inorganic Parameters

Sample Name : BH-5  
Lab Code : K1004744-001MS  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS	Result Notes
							Percent Recovery	
Orthophosphate as Phosphorus	365.3	0.010	0.200	0.086	0.283	98	81-119	

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

Client : Exponent  
 Project Name : Heglar Kronquist  
 Project Number : 0907194.000.0601  
 Sample Matrix : WATER

Service Request : K1004744  
 Date Collected : NA  
 Date Received : NA  
 Date Prepared : NA  
 Date Analyzed : 05/12/10

Laboratory Control Sample Summary  
 Inorganic Parameters

Sample Name : Lab Control Sample  
 Lab Code : K1004744-LCS  
 Test Notes :

Units : mg/L  
 Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Orthophosphate as Phosphorus	NONE	365.3	3.57	3.51	98	89-118	

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA

Orthophosphate as Phosphorus  
365.3  
Units: mg/L

## CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	5/12/2010	0.500	0.509	102
CCV2 Result	5/12/2010	0.500	0.506	101

# COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client :** Exponent  
**Project :** Heglar Kronquist

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA

Orthophosphate as Phosphorus  
365.3  
Units: mg/L

## CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	5/12/2010	0.010	ND
CCB2 Result	5/12/2010	0.010	ND



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 05/10,11/10  
Date Received : 05/12/10

Alkalinity as CaCO<sub>3</sub>, Total

Analysis Method : SM 2320 B  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-5	K1004744-001	9.0	3.0	1	05/18/10	281	
BH-4	K1004744-002	9.0	3.0	1	05/18/10	171	
EB-051110	K1004744-003	2.0	1.0	1	05/20/10	ND	
BH-3	K1004744-004	9.0	3.0	1	05/18/10	215	
Method Blank	K1004744-MB	9.0	3.0	1	05/18/10	ND	
Method Blank	K1004744-MB	2.0	1.0	1	05/20/10	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/18/10

Duplicate Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1004715-005DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Alkalinity as CaCO <sub>3</sub> , Total	SM 2320 B	9.0	516	491	504	5	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/18/10

Laboratory Control Sample Summary  
 Inorganic Parameters

**Sample Name :** Lab Control Sample  
**Lab Code :** K1004744-LCS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Alkalinity as CaCO <sub>3</sub> , Total	NONE	SM 2320 B	67.9	71.7	106	94-106	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/20/10

Laboratory Control Sample Summary  
 Inorganic Parameters

**Sample Name :** Lab Control Sample  
**Lab Code :** K1004744-LCS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Alkalinity as CaCO <sub>3</sub> , Total	NONE	SM 2320 B	67.9	67.8	100	94-106	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 05/10,11/10  
Date Received : 05/12/10

Bicarbonate Alkalinity as CaCO3

Analysis Method : SM 2320 B  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-5	K1004744-001	9.0	3.0	1	05/18/10	281	
BH-4	K1004744-002	9.0	3.0	1	05/18/10	171	
EB-051110	K1004744-003	2.0	1.0	1	05/20/10	ND	
BH-3	K1004744-004	9.0	3.0	1	05/18/10	215	
Method Blank	K1004744-MB	2.0	1.0	1	05/20/10	ND	
Method Blank	K1004744-MB	9.0	3.0	1	05/18/10	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/18/10

Duplicate Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1004778-005DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Bicarbonate Alkalinity as CaCO3	SM 2320 B	9.0	109	110	110	<1	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004744  
**Date Collected :** 05/10,11/10  
**Date Received :** 05/12/10

Carbonate Alkalinity as CaCO3

**Analysis Method :** SM 2320 B  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

<b>Sample Name</b>	<b>Lab Code</b>	<b>MRL</b>	<b>MDL</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>	<b>Result</b>	<b>Result Notes</b>
BH-5	K1004744-001	9.0	3.0	1	05/18/10	ND	
BH-4	K1004744-002	9.0	3.0	1	05/18/10	ND	
EB-051110	K1004744-003	2.0	1.0	1	05/20/10	ND	
BH-3	K1004744-004	9.0	3.0	1	05/18/10	ND	
Method Blank	K1004744-MB	2.0	1.0	1	05/20/10	ND	
Method Blank	K1004744-MB	9.0	3.0	1	05/18/10	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/18/10

Duplicate Summary  
 Inorganic Parameters

**Sample Name :** Batch QC  
**Lab Code :** K1004778-005DUP  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

<b>Analyte</b>	<b>Analysis Method</b>	<b>MRL</b>	<b>Sample Result</b>	<b>Duplicate Sample Result</b>	<b>Average</b>	<b>Relative Percent Difference</b>	<b>Result Notes</b>
Carbonate Alkalinity as CaCO <sub>3</sub>	SM 2320 B	9.0	ND	ND	ND	-	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 05/10,11/10  
Date Received : 05/12/10

Hydroxide Alkalinity as CaCO<sub>3</sub>

Analysis Method : SM 2320 B  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-5	K1004744-001	9.0	3.0	1	05/18/10	ND	
BH-4	K1004744-002	9.0	3.0	1	05/18/10	ND	
EB-051110	K1004744-003	2.0	1.0	1	05/20/10	ND	
BH-3	K1004744-004	9.0	3.0	1	05/18/10	ND	
Method Blank	K1004744-MB	9.0	3.0	1	05/18/10	ND	
Method Blank	K1004744-MB	2.0	1.0	1	05/20/10	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/18/10

Duplicate Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1004778-005DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Hydroxide Alkalinity as CaCO3	SM 2320 B	9.0	ND	ND	ND	-	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : 05/10,11/10  
Date Received : 05/12/10

Solids, Total Dissolved

Analysis Method : SM 2540 C  
Test Notes :

Units : mg/L  
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
BH-5	K1004744-001	5.0	5.0	1	05/13/10	375	
BH-4	K1004744-002	5.0	5.0	1	05/13/10	1910	
EB-051110	K1004744-003	5.0	5.0	1	05/13/10	9.0	
BH-3	K1004744-004	5.0	5.0	1	05/13/10	491	
Method Blank	K1004744-MB	5.0	5.0	1	05/13/10	ND	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Exponent  
Project Name : Heglar Kronquist  
Project Number : 0907194.000.0601  
Sample Matrix : WATER

Service Request : K1004744  
Date Collected : NA  
Date Received : NA  
Date Prepared : NA  
Date Analyzed : 05/13/10

Duplicate Summary  
Inorganic Parameters

Sample Name : Batch QC  
Lab Code : K1004743-001DUP  
Test Notes :

Units : mg/L  
Basis : NA

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total Dissolved	SM 2540 C	5.0	78.0	73.0	75.5	7	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

**COLUMBIA ANALYTICAL SERVICES, INC.**

QA/QC Report

**Client :** Exponent  
**Project Name :** Heglar Kronquist  
**Project Number :** 0907194.000.0601  
**Sample Matrix :** WATER

**Service Request :** K1004744  
**Date Collected :** NA  
**Date Received :** NA  
**Date Prepared :** NA  
**Date Analyzed :** 05/13/10

Laboratory Control Sample Summary  
 Inorganic Parameters

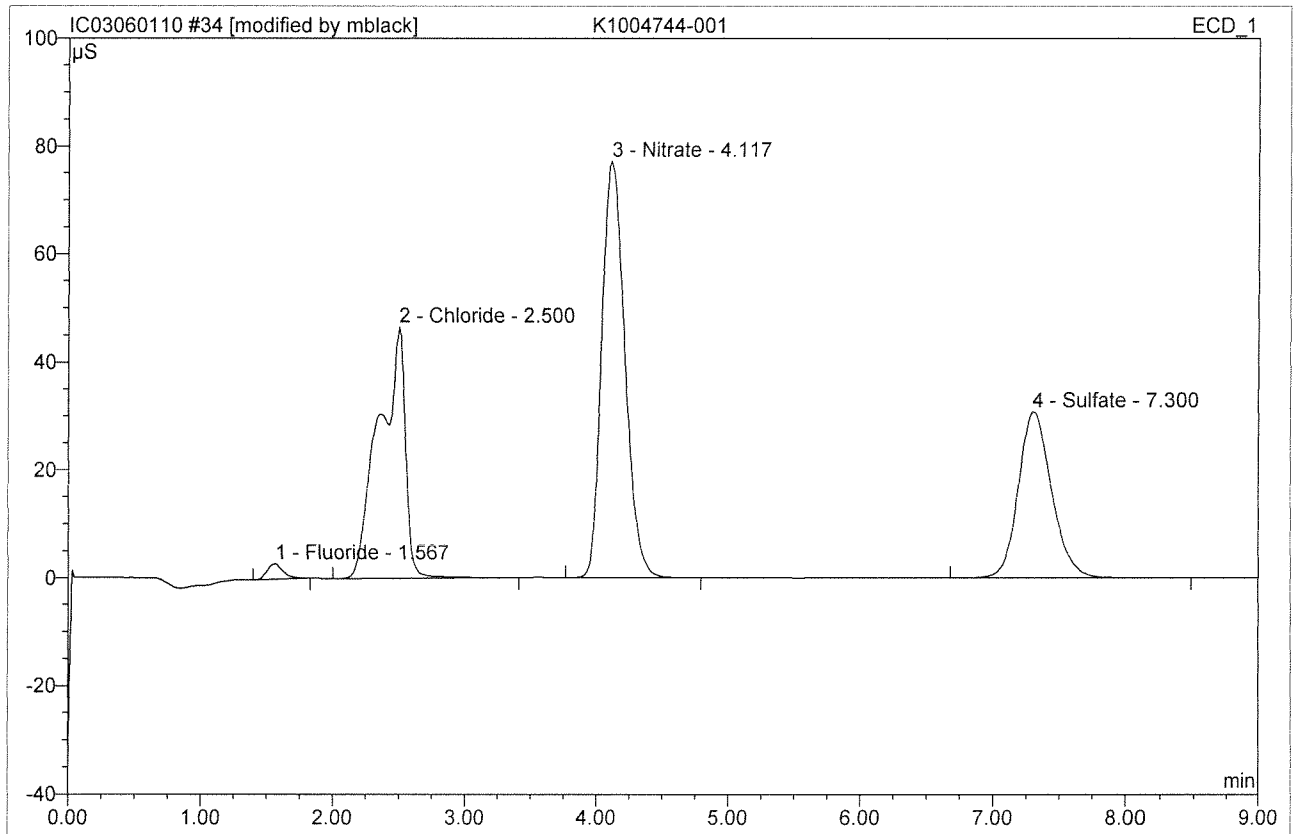
**Sample Name :** Lab Control Sample  
**Lab Code :** K1004744-LCS  
**Test Notes :**

**Units :** mg/L  
**Basis :** NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Solids, Total Dissolved	NONE	SM 2540 C	750	692	92	83-117	

SM Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

<b>34 K1004744-001</b>			
Sample Name:	<b>K1004744-001</b>	Injection Volume:	<b>200.0</b>
Vial Number:	<b>32</b>	Channel:	<b>ECD_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>epa300</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>epa300</b>	Dilution Factor:	<b>2.0000</b>
Recording Time:	<b>6/1/2010 15:23</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>9.00</b>	Sample Amount:	<b>1.0000</b>



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.57	Fluoride	2.834	0.409	1.13	0.428	BMB*
2	2.50	Chloride	46.510	10.921	30.15	14.006	BMB*
3	4.12	Nitrate	77.137	15.846	43.75	8.603	BMB
4	7.30	Sulfate	30.822	9.046	24.97	18.384	BMB
<b>Total:</b>			157.303	36.223	100.00	41.421	

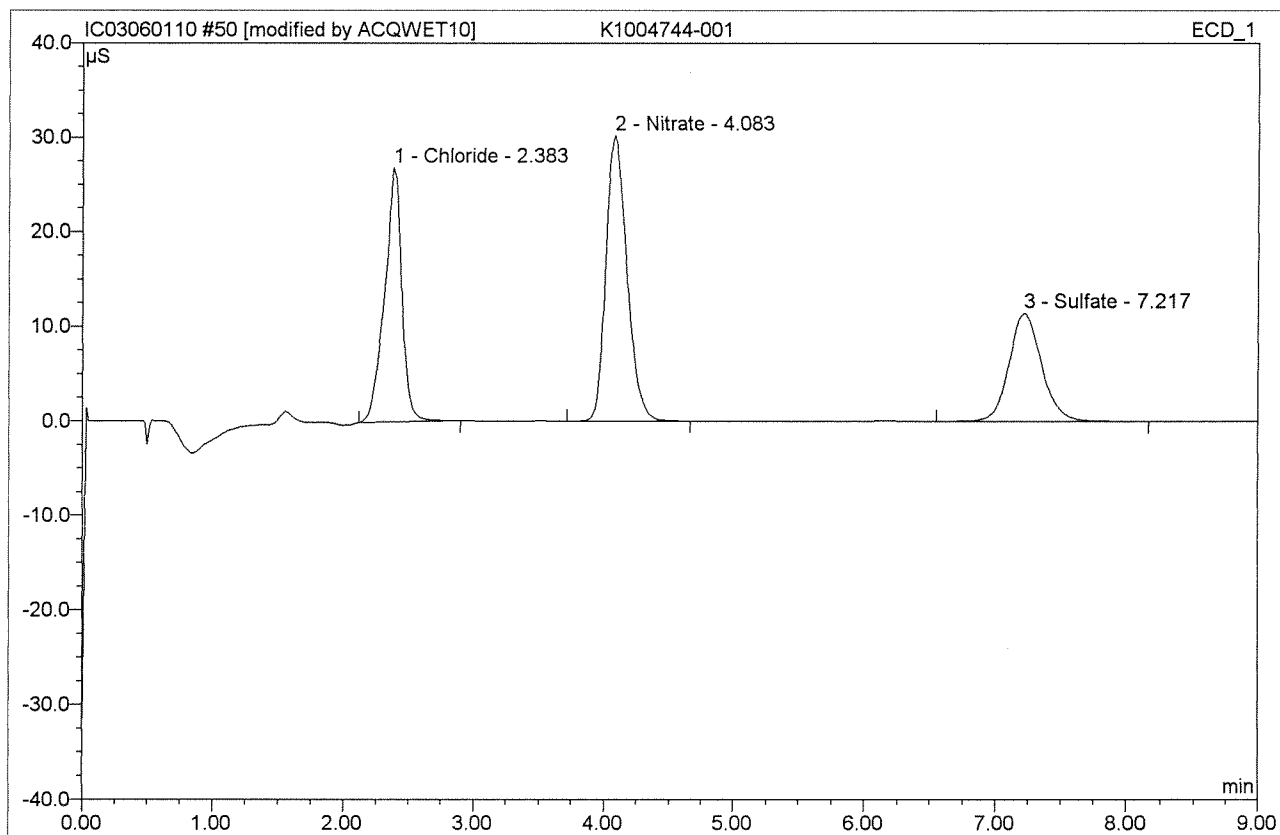
After Initials

*MS*

*6/2/10*

JUN 01 2010

<b>50 K1004744-001</b>			
Sample Name:	K1004744-001	Injection Volume:	200.0
Vial Number:	48	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	5.0000
Recording Time:	6/1/2010 18:26	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.38	Chloride	26.819	4.172	31.68	13.375	BMB*
2	4.08	Nitrate	30.139	5.685	43.17	7.716	BMB*
3	7.22	Sulfate	11.390	3.313	25.15	16.831	BMB
<b>Total:</b>			68.348	13.169	100.00	37.922	

After Initials

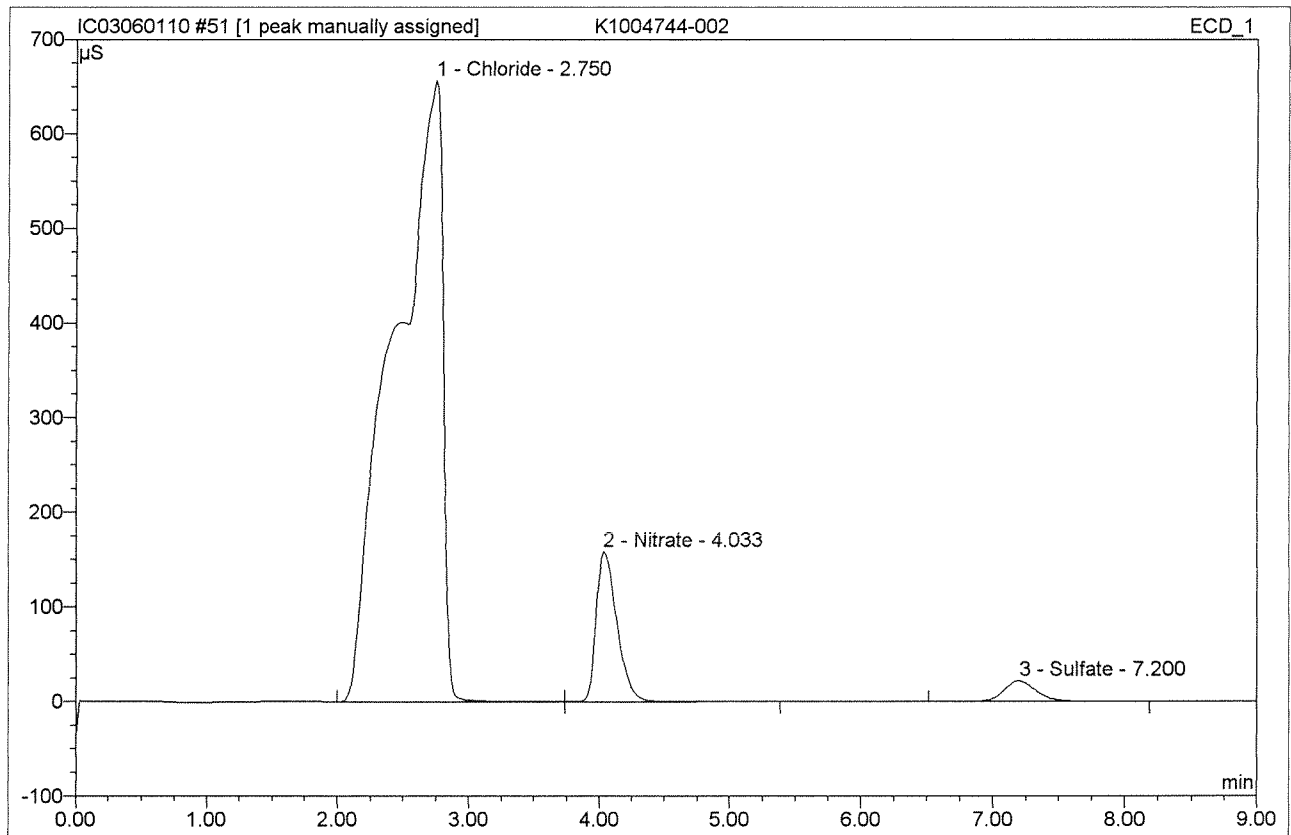
MB

JUN 01 2010

Chromatogram Data not Found  
Integration Error: 100.000000

MB 6/2/10

<b>51 K1004744-002</b>			
Sample Name:	<b>K1004744-002</b>	Injection Volume:	<b>200.0</b>
Vial Number:	<b>49</b>	Channel:	<b>ECD_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>epa300</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>epa300</b>	Dilution Factor:	<b>5.0000</b>
Recording Time:	<b>6/1/2010 18:38</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>9.00</b>	Sample Amount:	<b>1.0000</b>



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.75	Chloride	656.418	278.323	88.62	892.324	BM ^
2	4.03	Nitrate	158.818	29.385	9.36	39.882	MB
3	7.20	Sulfate	21.952	6.344	2.02	32.234	BMB
<b>Total:</b>			<b>837.189</b>	<b>314.052</b>	<b>100.00</b>	<b>964.439</b>	

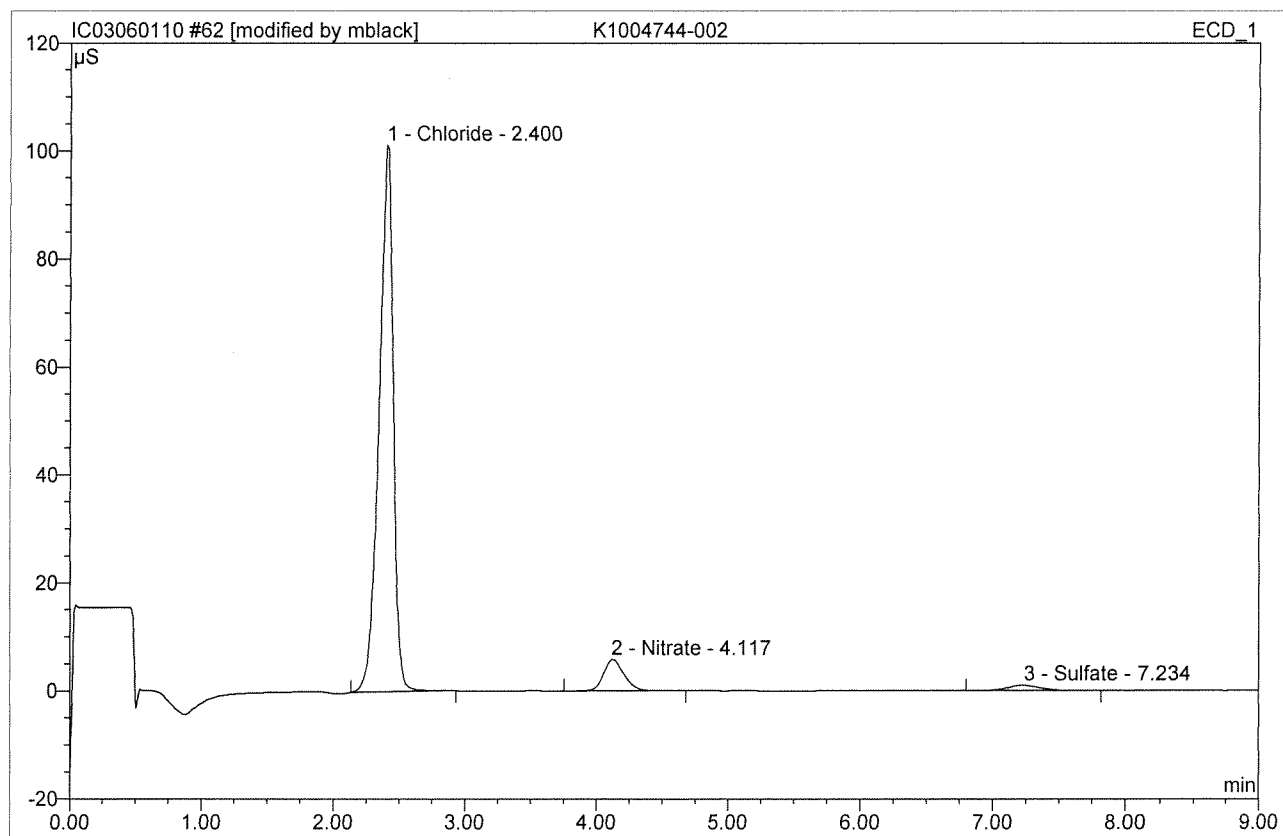
After Initials MB

JUN 01 2010

*MB* 6/2/10



<b>62 K1004744-002</b>			
Sample Name:	K1004744-002	Injection Volume:	200.0
Vial Number:	60	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	100.0000
Recording Time:	6/1/2010 20:57	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.40	Chloride	101.159	12.626	90.51	809.621	BMB*
2	4.12	Nitrate	5.774	1.033	7.40	28.042	BMB*
3	7.23	Sulfate	0.991	0.292	2.09	29.625	BMB
<b>Total:</b>			107.924	13.951	100.00	867.288	

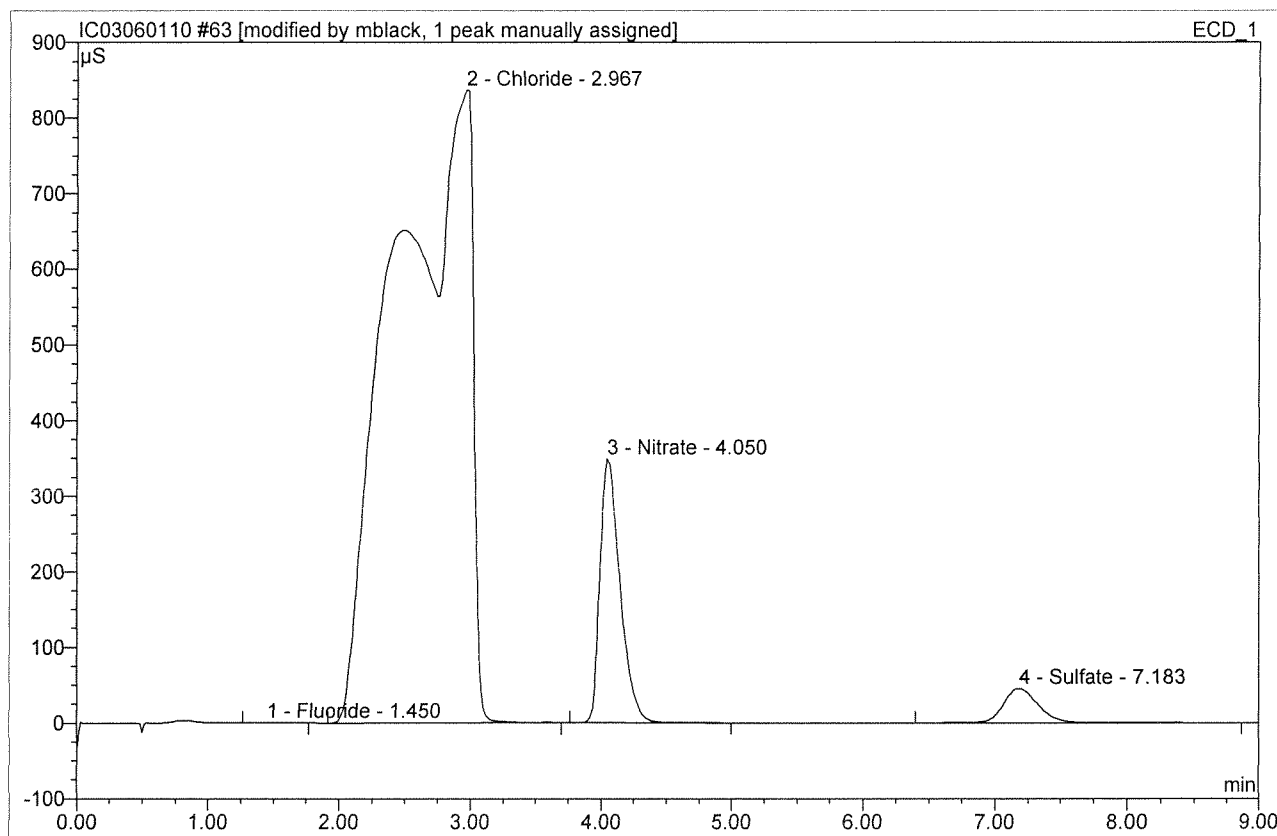
After Initials MB

JUN 02 2010

*Handwritten signature*  
6/2/10

Wrong Peak/Peak not Found  
 Baseline/shoulder incorrect  
 Other

<b>63 K1004744-002</b>			
Sample Name:	K1004744-002	Injection Volume:	200.0
Vial Number:	61	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 21:09	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



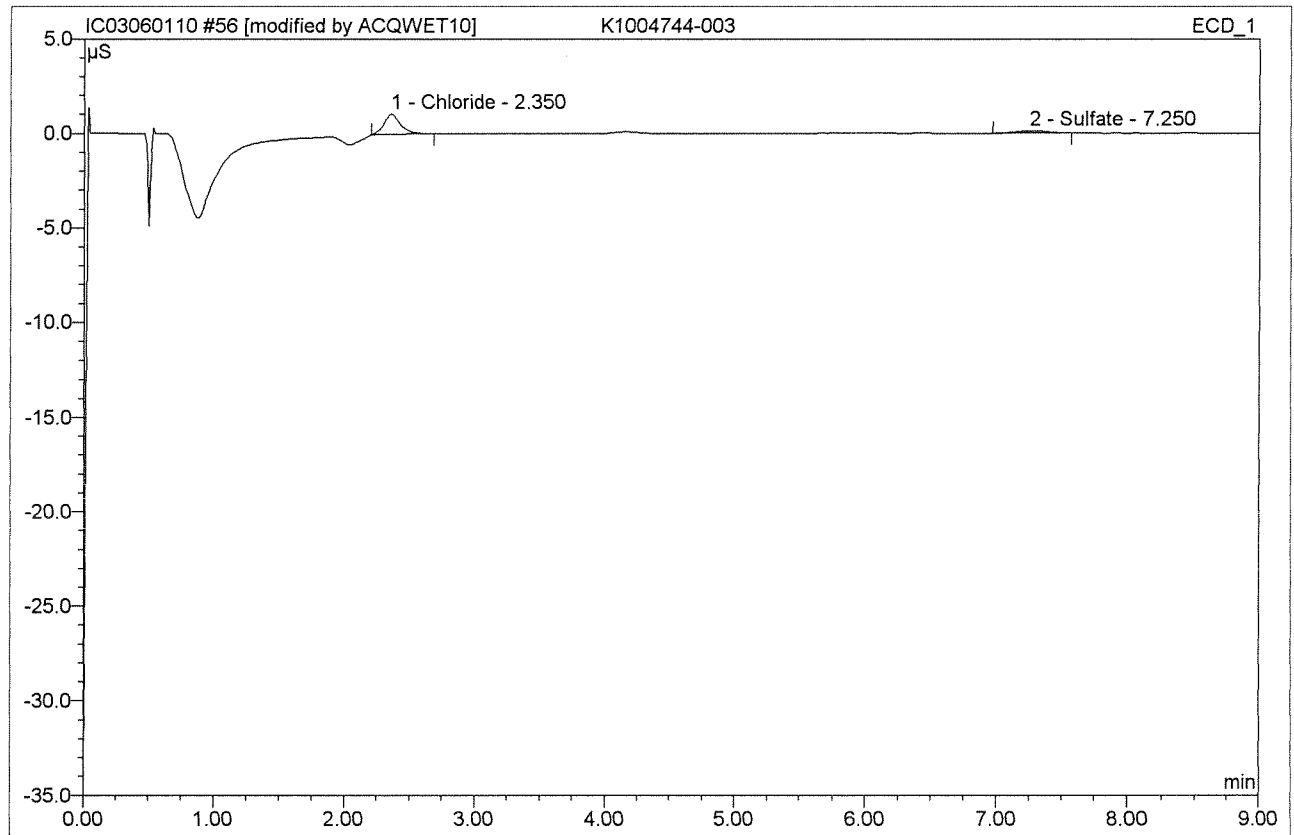
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.45	Fluoride	0.479	0.131	0.02	0.136	BMB*
2	2.97	Chloride	837.159	562.103	88.07	720.857	BMB*^
3	4.05	Nitrate	348.930	62.307	9.76	33.826	BMB
4	7.18	Sulfate	45.345	13.685	2.14	27.814	BMB
<b>Total:</b>			1231.912	638.225	100.00	782.633	

After Initials MB

JUN 02 2010

6/2/10

<b>56 K1004744-003</b>			
Sample Name:	K1004744-003	Injection Volume:	200.0
Vial Number:	55	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 19:49	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	2.35	Chloride	1.076	0.160	82.70	0.102 J	BMB*
2	7.25	Sulfate	0.124	0.033	17.30	0.034 J	BMB*
<b>Total:</b>			1.200	0.193	100.00	0.136	

After Initials MB

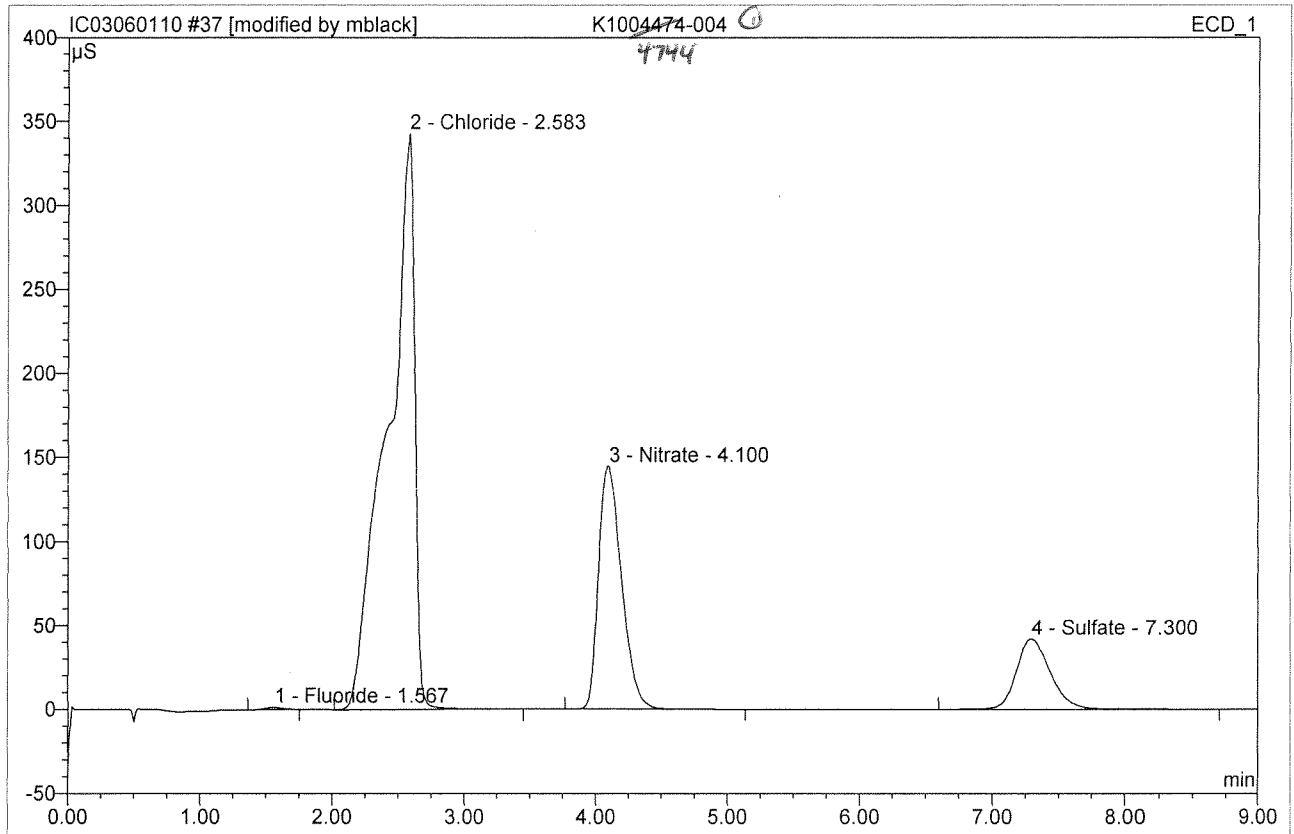
*Handwritten:* 6/2/10

JUN 01 2010

default/Integration

Wrong Peak/Peak not Found  
 Baseline/shoulder incorrect  
 Other 71

<b>37 K1004474-004</b> <i>4744</i>			
Sample Name:	<b>K1004474-004</b>	Injection Volume:	<b>200.0</b>
Vial Number:	<b>35</b> <i>4744</i>	Channel:	<b>ECD_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>epa300</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>epa300</b>	Dilution Factor:	<b>2.0000</b>
Recording Time:	<b>6/1/2010 15:57</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>9.00</b>	Sample Amount:	<b>1.0000</b>



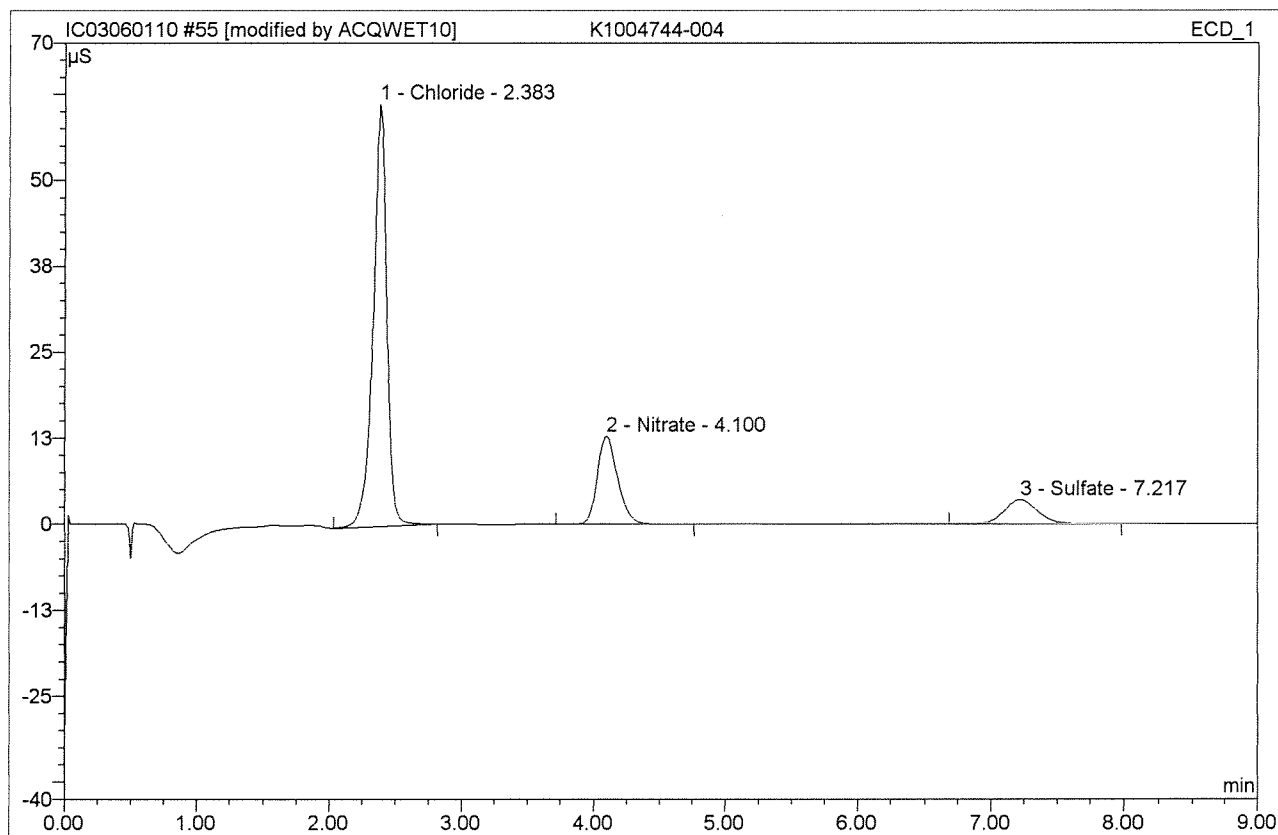
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.57	Fluoride	1.220	0.177	0.14	0.185 <i>J</i>	BMB*
2	2.58	Chloride	343.045	81.441	65.88	104.442	BMB
3	4.10	Nitrate	144.688	29.671	24.00	16.108	BMB
4	7.30	Sulfate	41.873	12.323	9.97	25.045	BMB
<b>Total:</b>			530.827	123.612	100.00	145.781	

After Initials *MB*

JUN 01 2010

*MB 6/2/10*  
*QMS 6/2/10 EE*

<b>55 K1004744-004</b>			
Sample Name:	K1004744-004	Injection Volume:	200.0
Vial Number:	54	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	20.0000
Recording Time:	6/1/2010 19:36	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



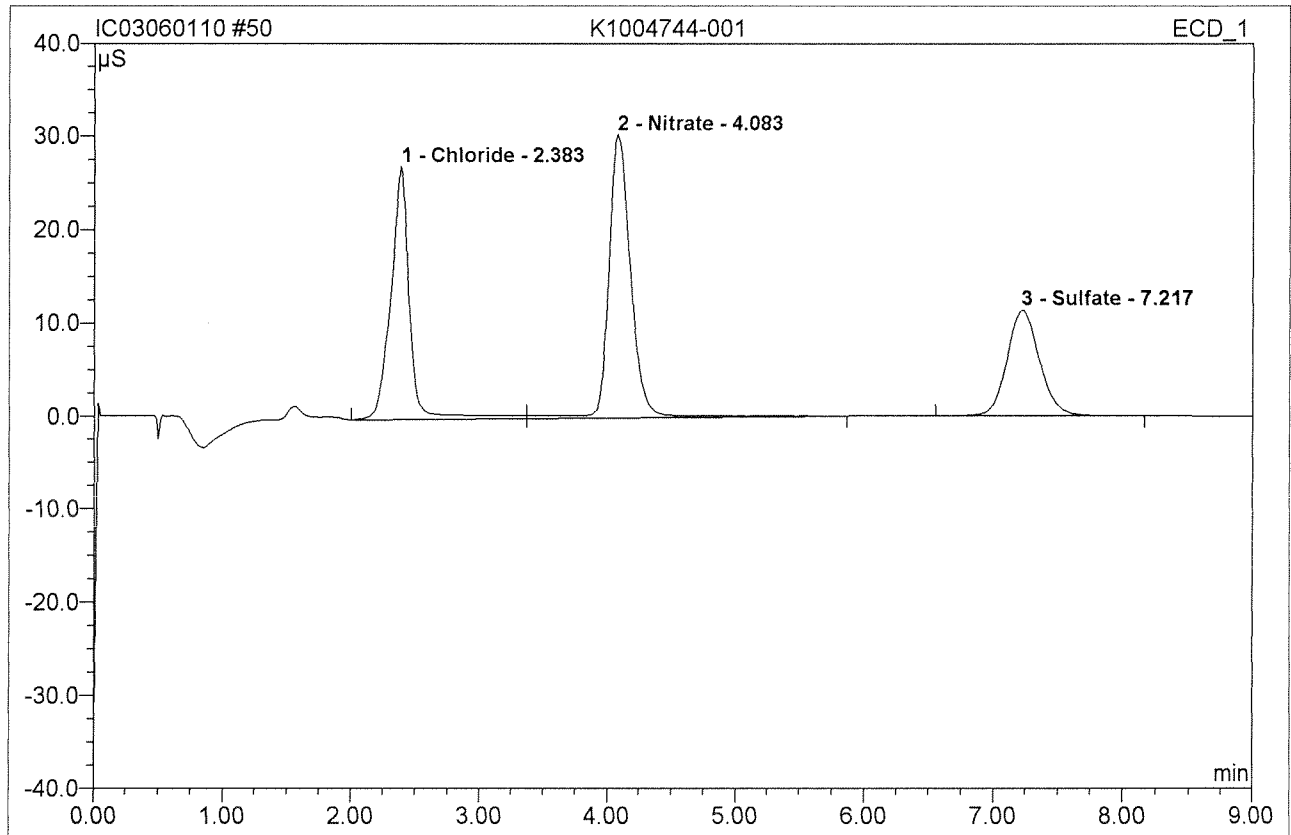
No.	Ret.Time min	Peak Name	Height $\mu\text{S}$	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	2.38	Chloride	61.301	7.321	68.77	93.883	BMB*
2	4.10	Nitrate	12.706	2.276	21.38	12.357	BMB*
3	7.22	Sulfate	3.552	1.048	9.85	21.300	BMB
<b>Total:</b>			77.559	10.645	100.00	127.540	

After Initials LB

JUN 01 2010

*Handwritten signature and date: 6/2/10*

<b>50 K1004744-001</b>			
Sample Name:	K1004744-001	Injection Volume:	200.0
Vial Number:	48	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	5.0000
Recording Time:	6/1/2010 18:26	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

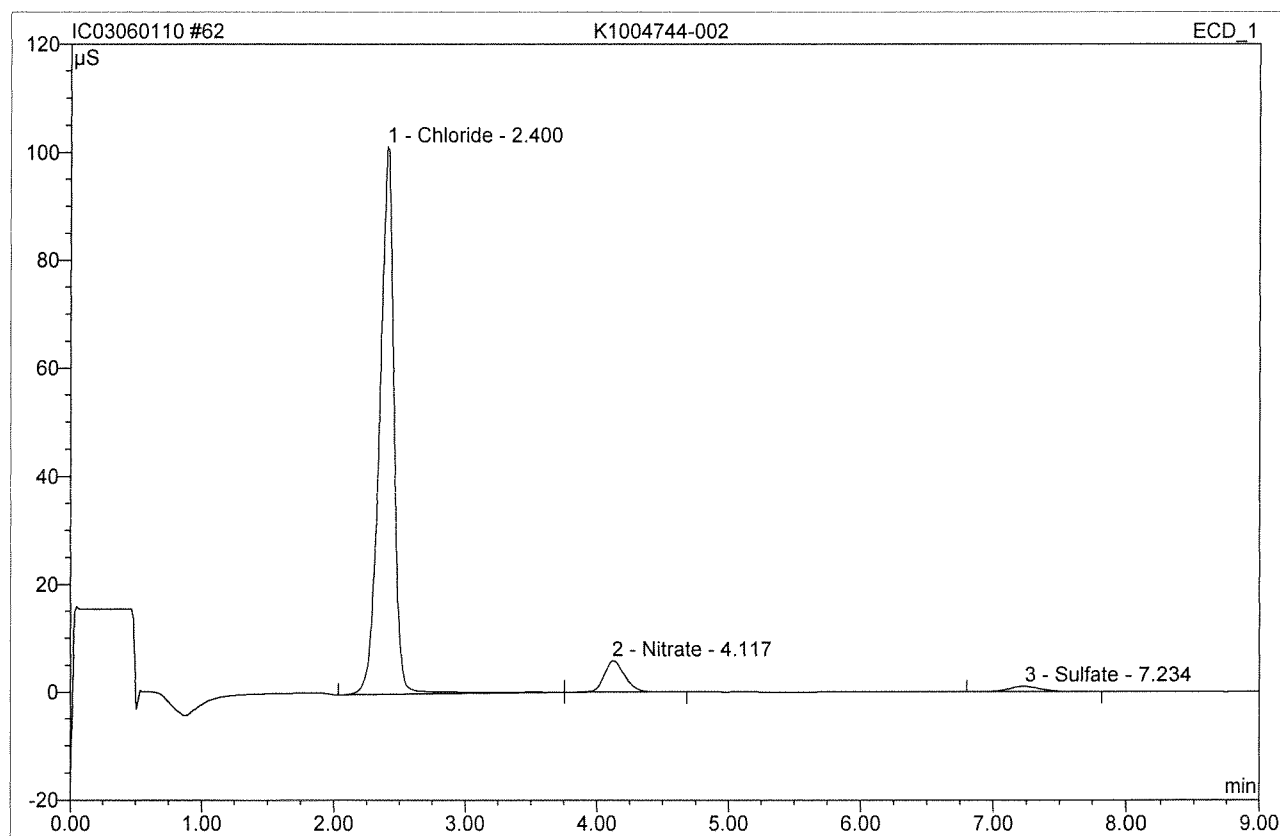


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.38	Chloride	27.131	4.603	32.91	14.757	BM
2	4.08	Nitrate	30.357	6.071	43.41	8.240	MB
3	7.22	Sulfate	11.390	3.313	23.68	16.831	BMB
<b>Total:</b>			68.879	13.986	100.00	39.828	

Before

JUN 01 2010

<b>62 K1004744-002</b>			
Sample Name:	K1004744-002	Injection Volume:	200.0
Vial Number:	60	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	100.0000
Recording Time:	6/1/2010 20:57	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

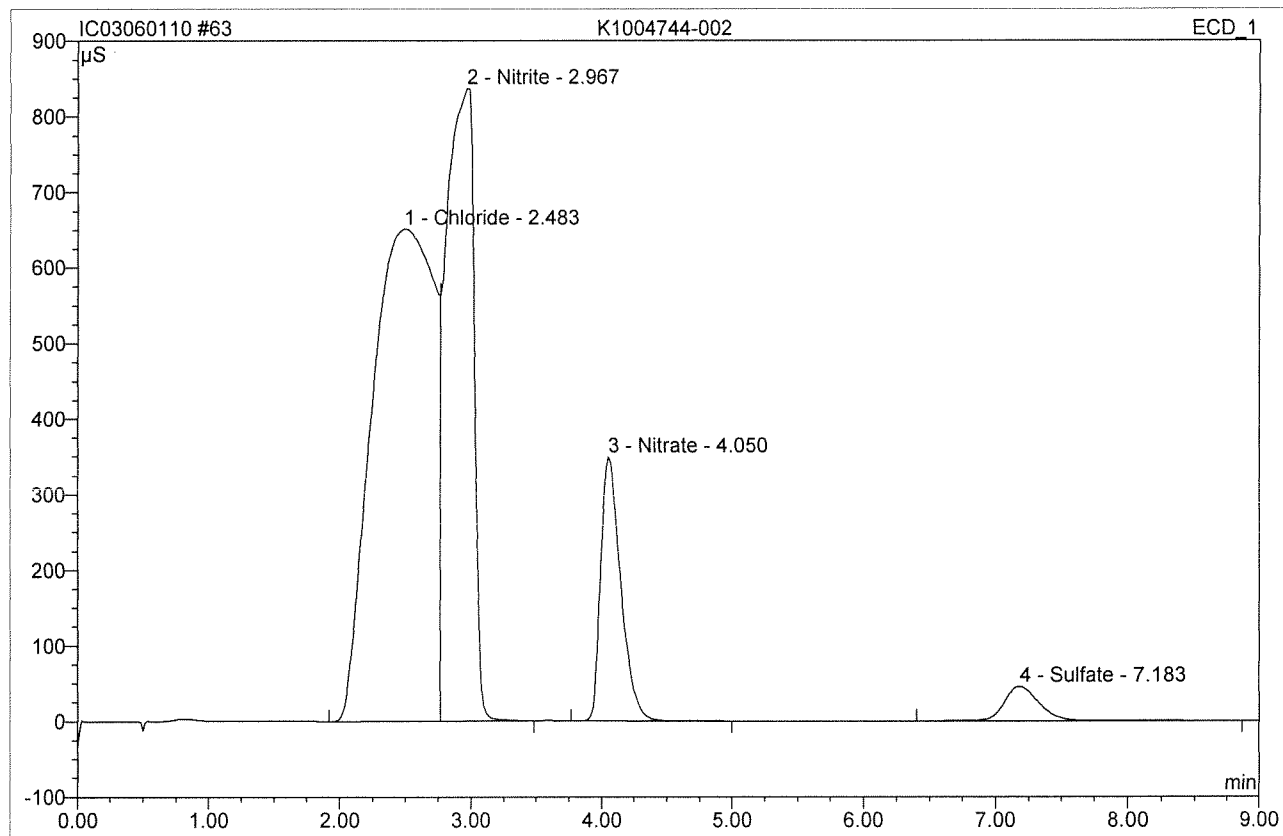


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.40	Chloride	101.433	12.976	90.74	832.011	BMB
2	4.12	Nitrate	5.774	1.033	7.22	28.042	bMB
3	7.23	Sulfate	0.991	0.292	2.04	29.625	BMB
<b>Total:</b>			108.199	14.300	100.00	889.678	

Before

JUN 02 2010

<b>63 K1004744-002</b>			
Sample Name:	<b>K1004744-002</b>	Injection Volume:	<b>200.0</b>
Vial Number:	<b>61</b>	Channel:	<b>ECD_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>epa300</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>epa300</b>	Dilution Factor:	<b>2.0000</b>
Recording Time:	<b>6/1/2010 21:09</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>9.00</b>	Sample Amount:	<b>1.0000</b>



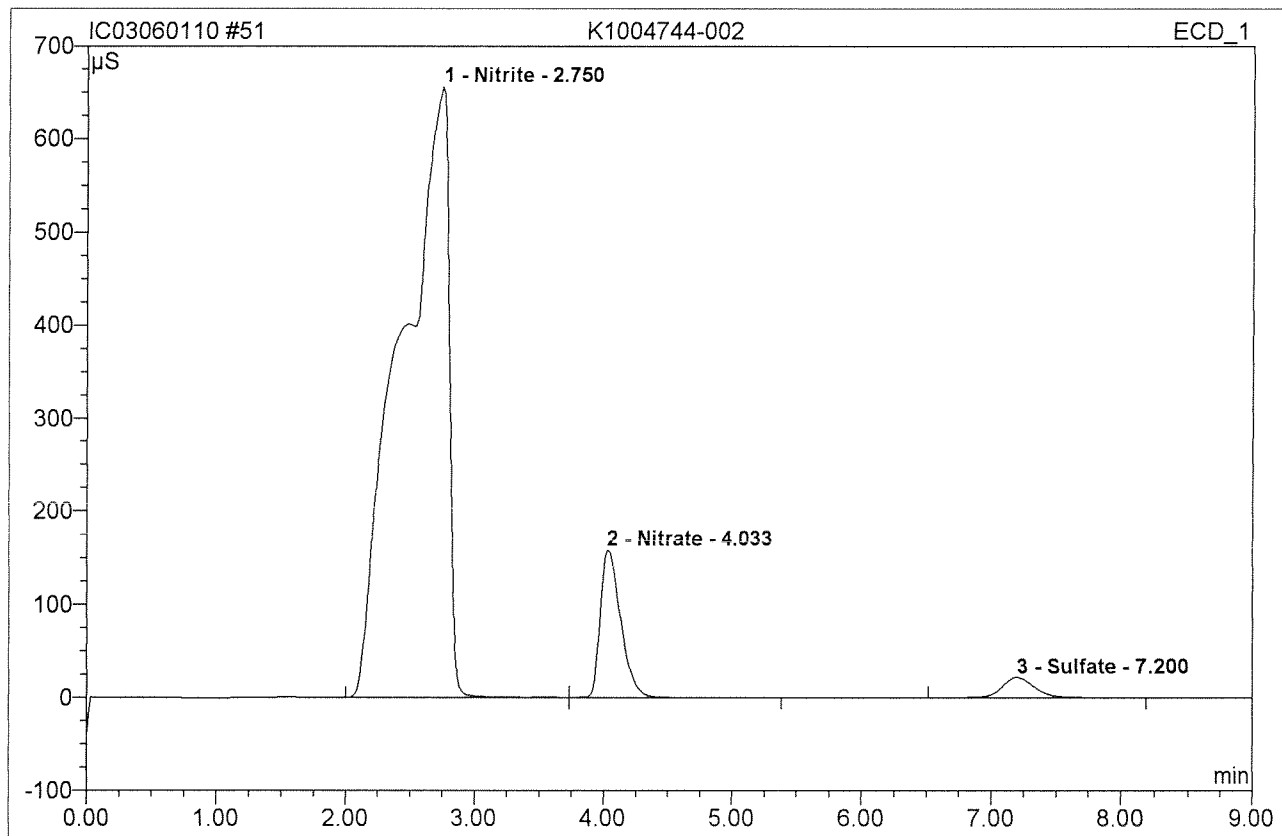
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	2.48	Chloride	651.589	356.191	55.85	456.789	BM
2	2.97	Nitrite	837.002	205.635	32.24	142.439	MB
3	4.05	Nitrate	348.930	62.307	9.77	33.826	BMB
4	7.18	Sulfate	45.345	13.685	2.15	27.814	BMB
<b>Total:</b>			1882.865	637.818	100.00	660.868	

Before

JUN 02 2010



<b>51 K1004744-002</b>			
Sample Name:	K1004744-002	Injection Volume:	200.0
Vial Number:	49	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	5.0000
Recording Time:	6/1/2010 18:38	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



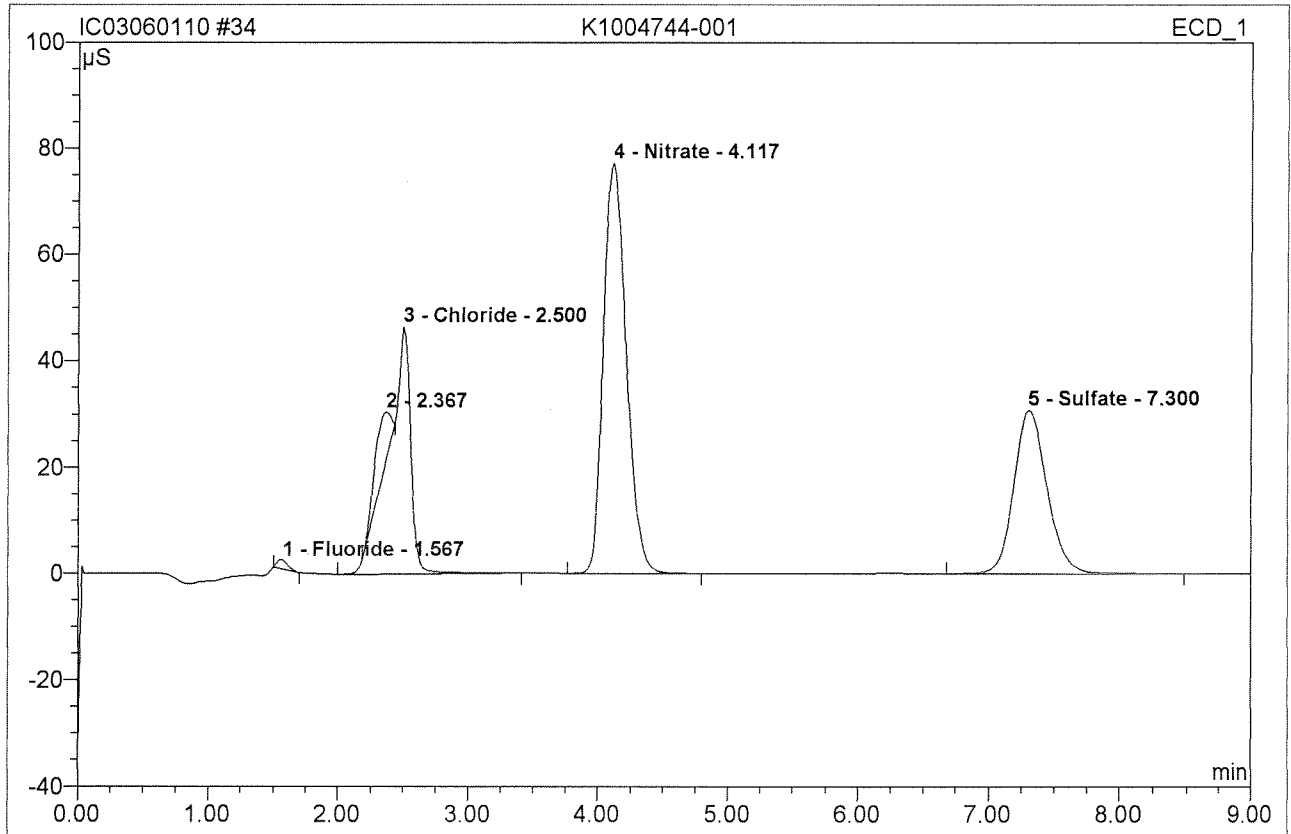
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.75	Nitrite	656.418	278.323	88.62	481.973	BM
2	4.03	Nitrate	158.818	29.385	9.36	39.882	MB
3	7.20	Sulfate	21.952	6.344	2.02	32.234	BMB
<b>Total:</b>			837.189	314.052	100.00	554.089	

Before

JUN 01 2010

**34 K1004744-001**

Sample Name:	K1004744-001	Injection Volume:	200.0
Vial Number:	32	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 15:23	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



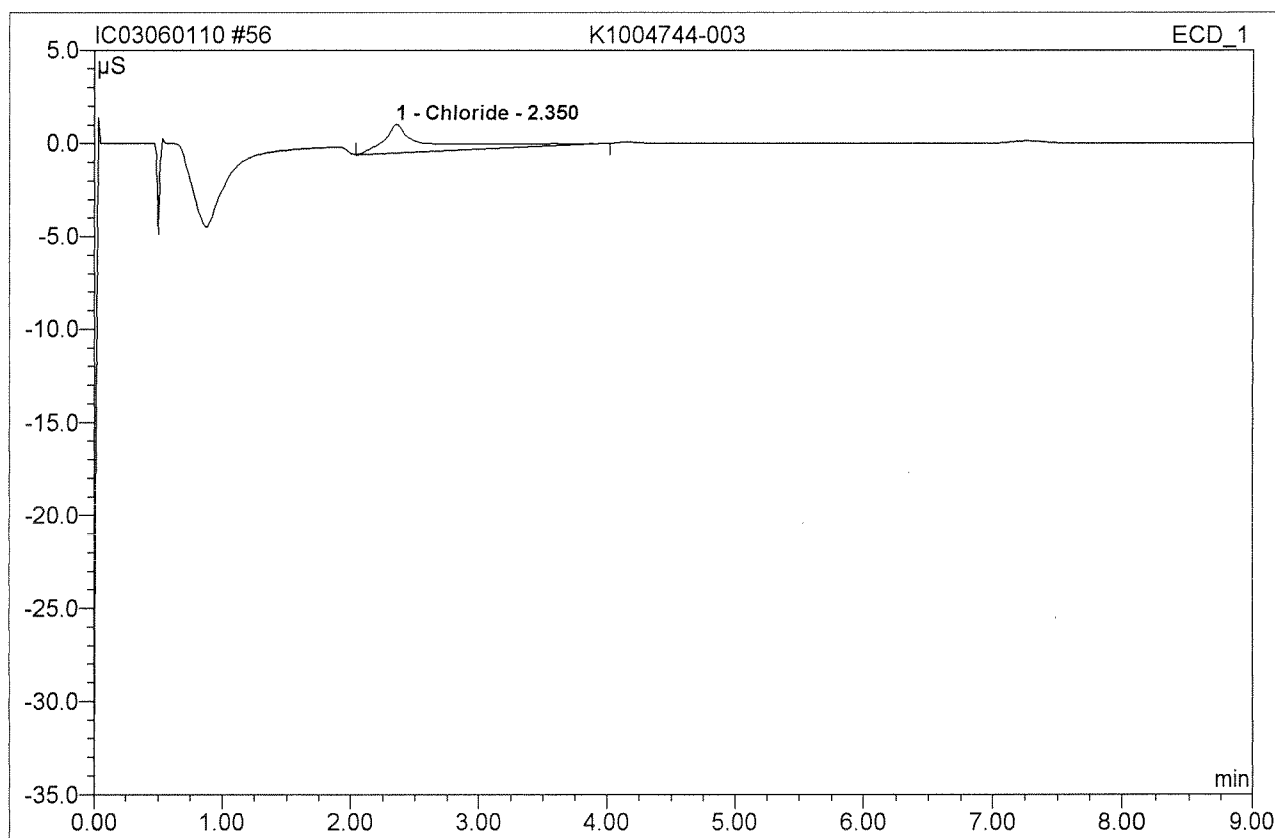
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.57	Fluoride	1.693	0.163	0.45	0.171	BMB
2	2.37	n.a.	8.961	1.496	4.16	n.a.	Ru
3	2.50	Chloride	46.510	9.425	26.20	12.087	BMB
4	4.12	Nitrate	77.137	15.846	44.05	8.603	BMB
5	7.30	Sulfate	30.822	9.046	25.14	18.384	BMB
<b>Total:</b>			165.123	35.977	100.00	39.245	

Before

JUN 01 2010

**56 K1004744-003**

Sample Name:	K1004744-003	Injection Volume:	200.0
Vial Number:	55	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 19:49	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

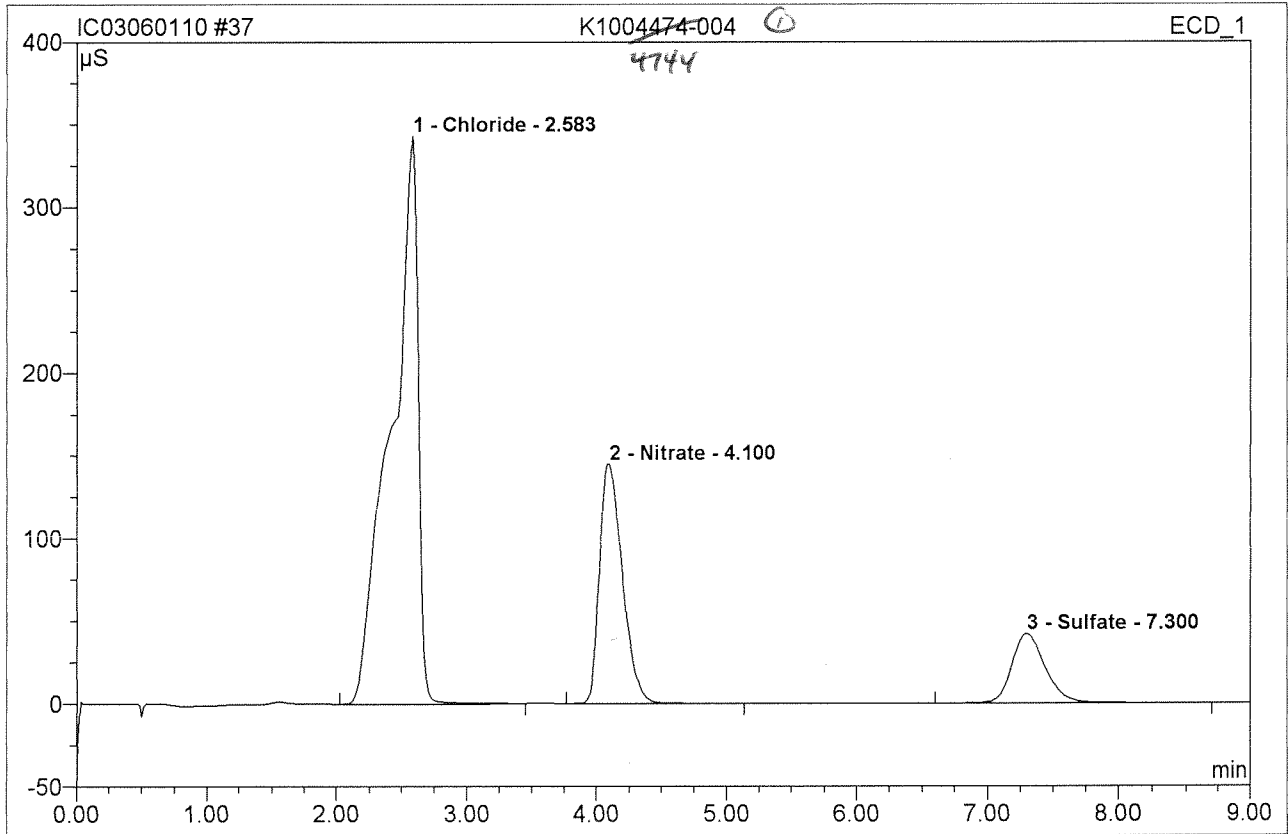


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.35	Chloride	1.511	0.647	100.00	0.415	BMB
<b>Total:</b>			1.511	0.647	100.00	0.415	

Before

JUN 01 2010

<b>37 K1004474-004</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span>			
4744			
Sample Name:	K1004474-004 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span>	Injection Volume:	200.0
Vial Number:	35 4744	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 15:57	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



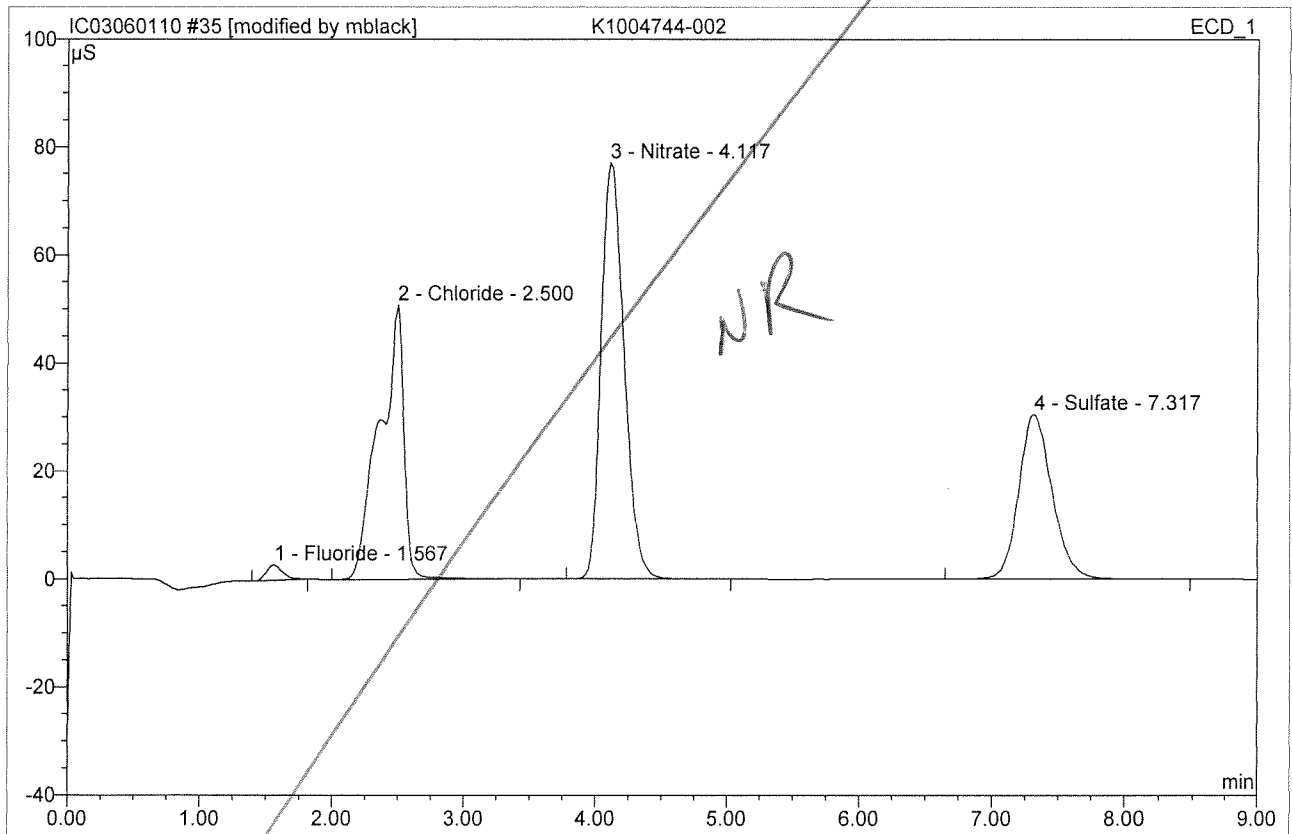
No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.58	Chloride	343.045	81.441	65.98	104.442	BMB
2	4.10	Nitrate	144.688	29.671	24.04	16.108	BMB
3	7.30	Sulfate	41.873	12.323	9.98	25.045	BMB
<b>Total:</b>			529.606	123.435	100.00	145.596	

Before

JUN 01 2010

QMS 6/1/10 EE

<b>35 K1004744-002</b>			
Sample Name:	<b>K1004744-002</b>	Injection Volume:	<b>200.0</b>
Vial Number:	<b>33</b>	Channel:	<b>ECD_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>epa300</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>epa300</b>	Dilution Factor:	<b>2.0000</b>
Recording Time:	<b>6/1/2010 15:34</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>9.00</b>	Sample Amount:	<b>1.0000</b>



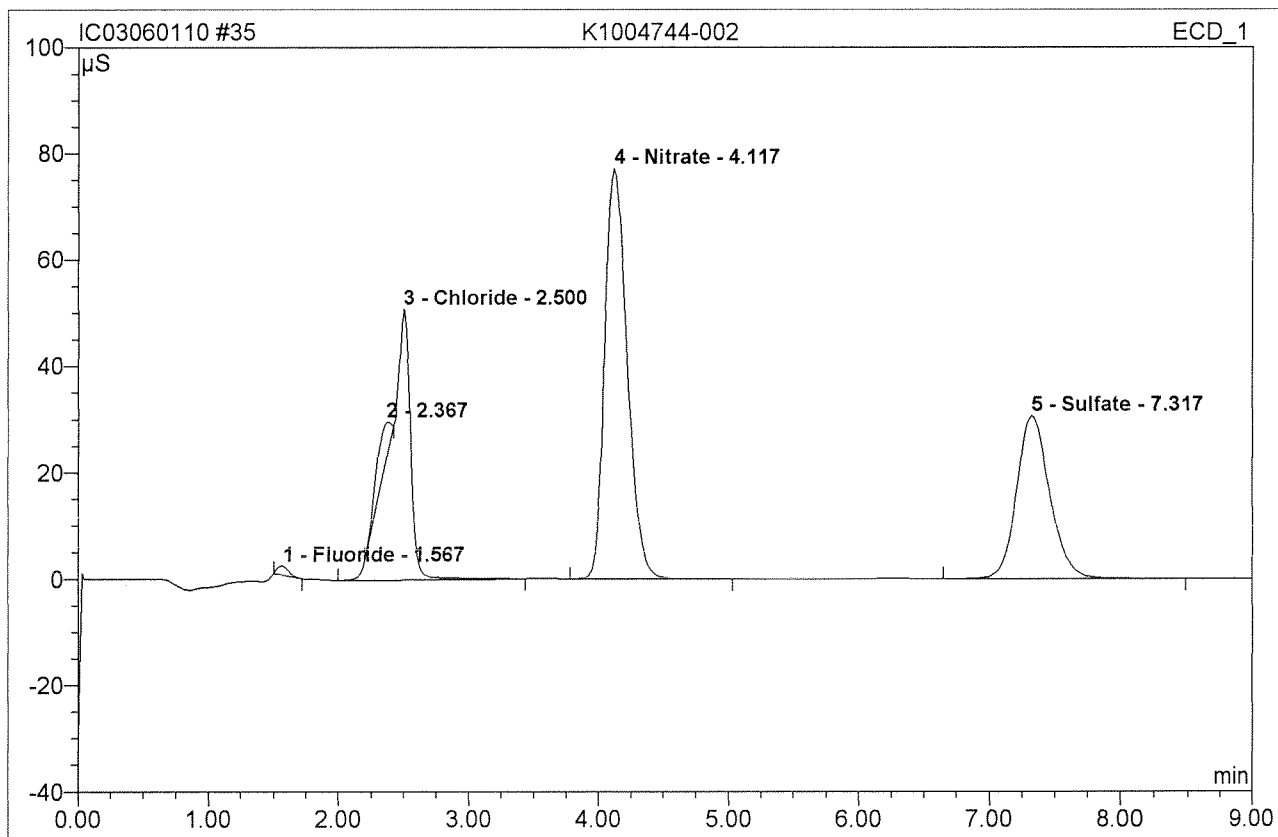
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.57	Fluoride	2.808	0.398	1.11	0.416	BMB*
2	2.50	Chloride	50.860	10.931	30.43	14.019	BMB*
3	4.12	Nitrate	77.042	15.644	43.54	8.493	BMB
4	7.32	Sulfate	30.622	8.953	24.92	18.196	BMB
<b>Total:</b>			161.333	35.926	100.00	41.123	

After Initials MB

JUN 01 2010

**35 K1004744-002**

Sample Name:	K1004744-002	Injection Volume:	200.0
Vial Number:	33	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 15:34	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



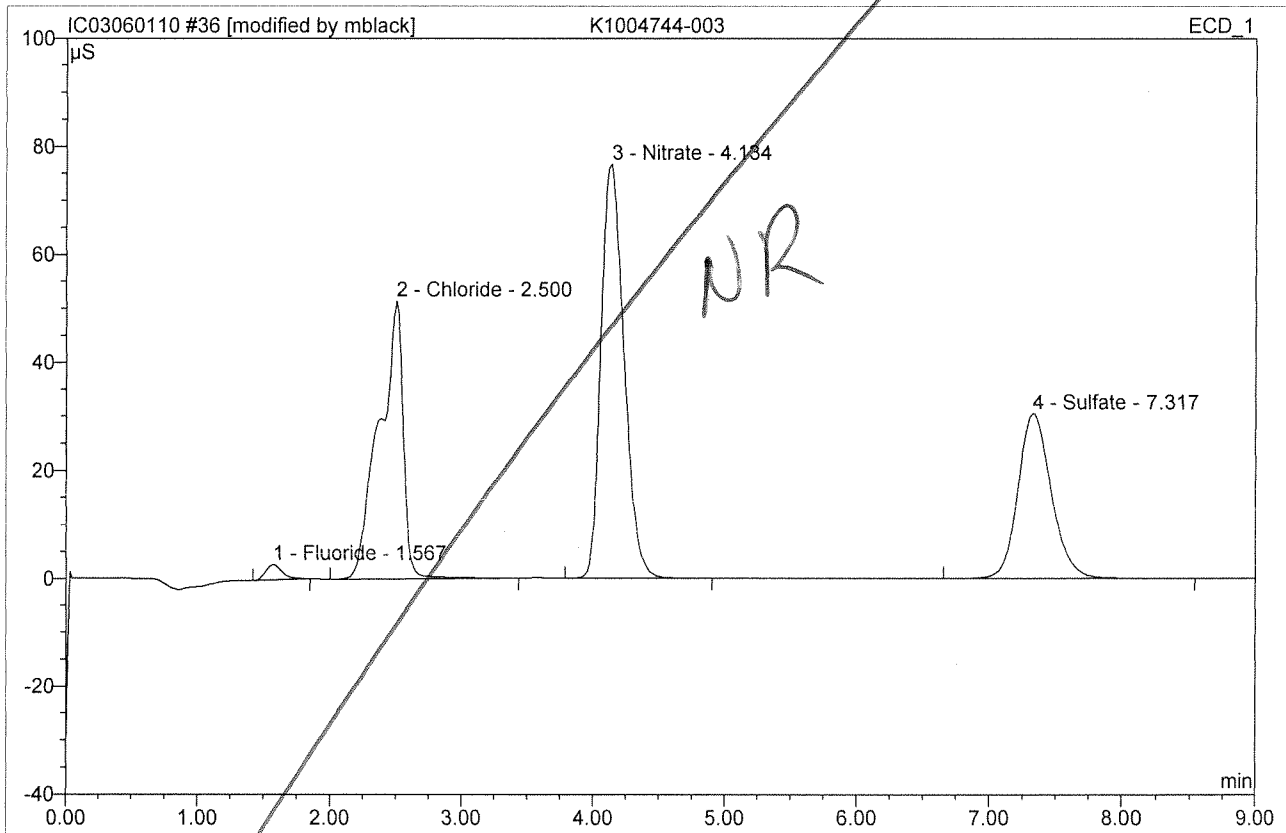
No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.57	Fluoride	1.745	0.172	0.48	0.179	BMB
2	2.37	n.a.	6.571	1.016	2.85	n.a.	Ru
3	2.50	Chloride	50.860	9.916	27.77	12.716	BMB
4	4.12	Nitrate	77.042	15.644	43.82	8.493	BMB
5	7.32	Sulfate	30.622	8.953	25.08	18.196	BMB
<b>Total:</b>			166.841	35.700	100.00	39.584	

Before

JUN 01 2010

**36 K1004744-003**

Sample Name:	<b>K1004744-003</b>	Injection Volume:	<b>200.0</b>
Vial Number:	<b>34</b>	Channel:	<b>ECD_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>epa300</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>epa300</b>	Dilution Factor:	<b>2.0000</b>
Recording Time:	<b>6/1/2010 15:46</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>9.00</b>	Sample Amount:	<b>1.0000</b>



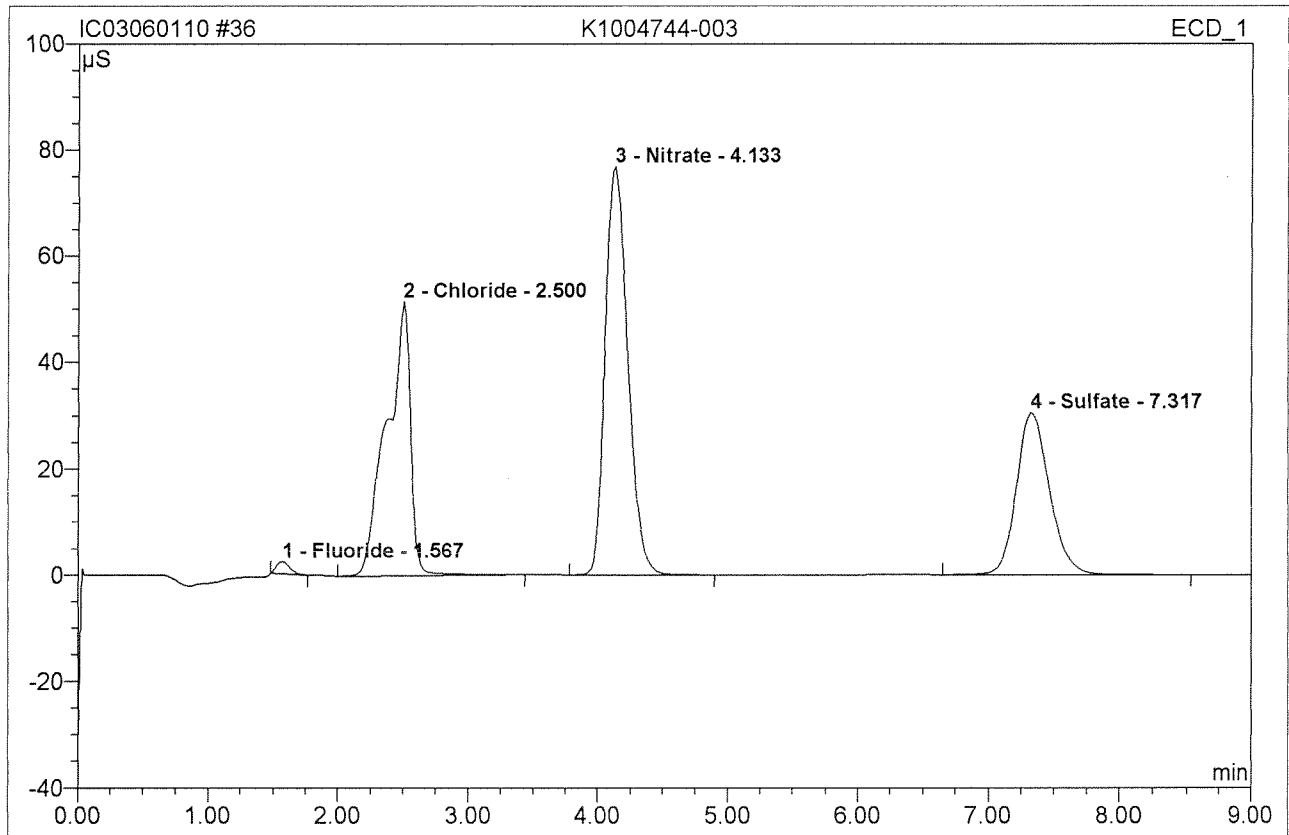
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.57	Fluoride	2.825	0.407	1.14	0.426	BMB*
2	2.50	Chloride	51.443	10.920	30.46	14.004	BMB*
3	4.13	Nitrate	76.720	15.594	43.49	8.466	BMB
4	7.32	Sulfate	30.453	8.933	24.91	18.155	BMB
<b>Total:</b>			161.441	35.855	100.00	41.051	

After Initials MB

JUN 01 2010

Wrong Peak not Found  
Method not correct

<b>36 K1004744-003</b>			
Sample Name:	K1004744-003	Injection Volume:	200.0
Vial Number:	34	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 15:46	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



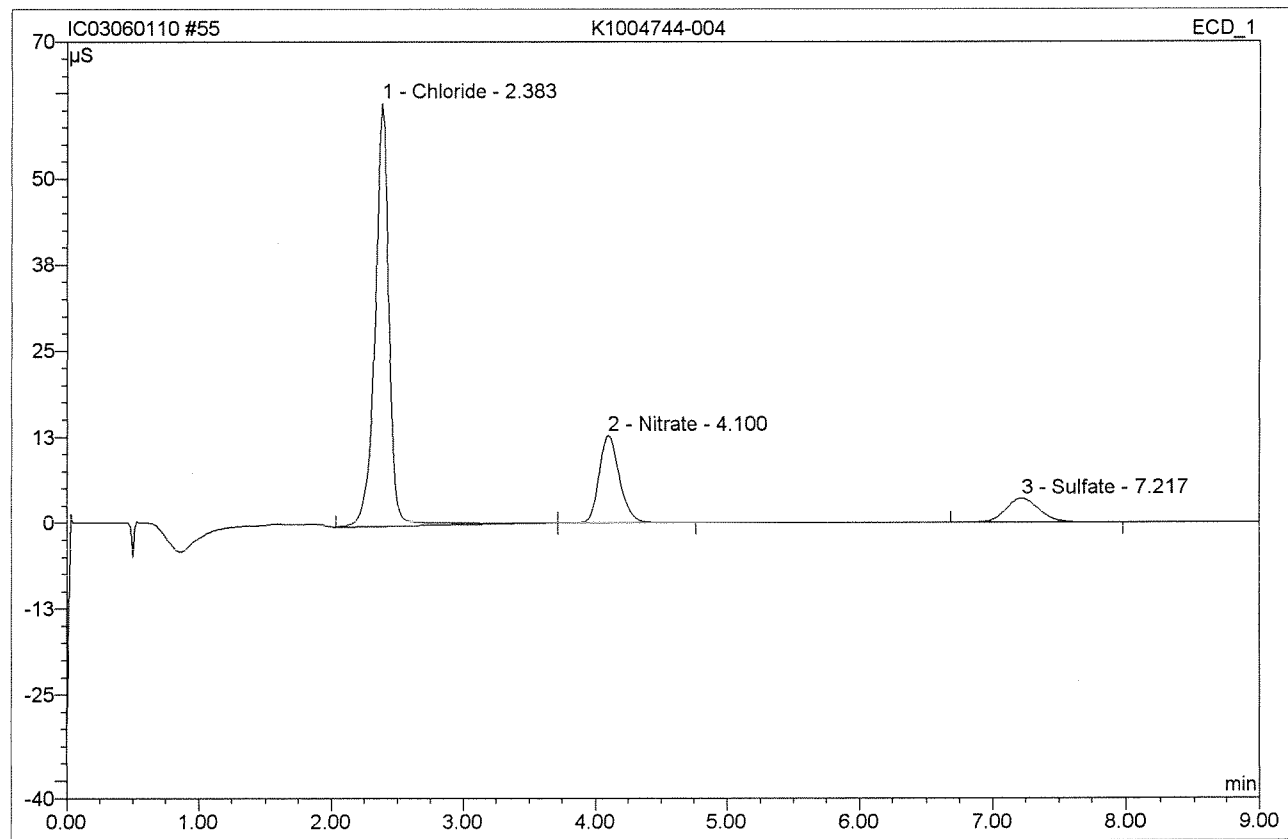
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.57	Fluoride	2.273	0.268	0.75	0.280	BMB
2	2.50	Chloride	51.443	10.920	30.58	14.004	BMB
3	4.13	Nitrate	76.720	15.594	43.66	8.466	BMB
4	7.32	Sulfate	30.453	8.933	25.01	18.155	BMB
<b>Total:</b>			160.890	35.716	100.00	40.906	

Before

JUN 01 2010



<b>55 K1004744-004</b>			
Sample Name:	K1004744-004	Injection Volume:	200.0
Vial Number:	54	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	20.0000
Recording Time:	6/1/2010 19:36	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

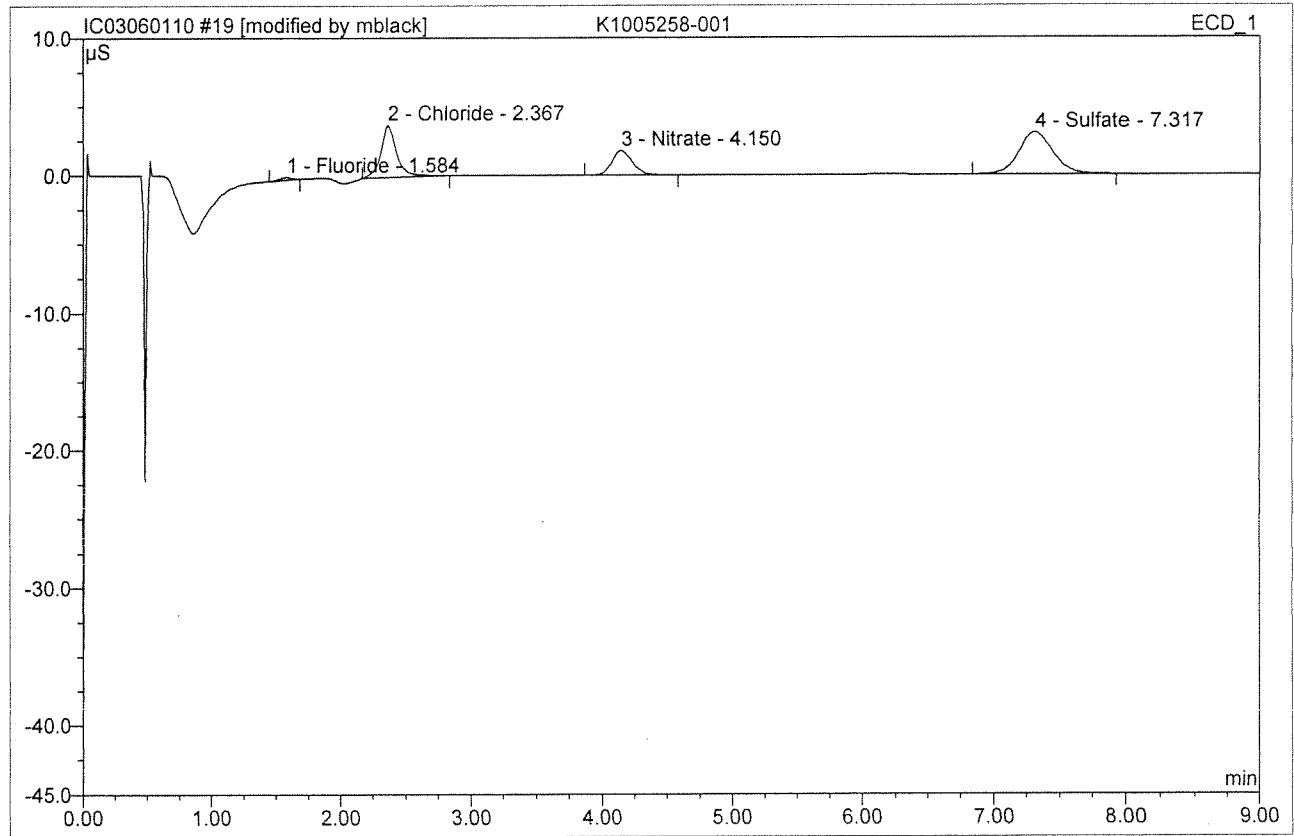


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.38	Chloride	61.455	7.598	69.56	97.439	BMB
2	4.10	Nitrate	12.706	2.276	20.84	12.357	bMB
3	7.22	Sulfate	3.552	1.048	9.60	21.300	BMB
<b>Total:</b>			77.713	10.922	100.00	131.096	

Before

JUN 01 2010

<b>19 K1005258-001</b>			
Sample Name:	K1005258-001	Injection Volume:	200.0
Vial Number:	17	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 12:31	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.58	Fluoride $\bar{x}=0.62$ $RPD < 1.0$	0.197	0.022	1.21	0.0235	BMB*
2	2.37	Chloride $\bar{x}=0.67$ $RPD = 68$	3.811	0.539	30.02	0.691	BMB*
3	4.15	Nitrate	1.773	0.325	18.14	0.177	BMB*
4	7.32	Sulfate $\bar{x}=1.85$ $RPD = 419$	3.042	0.908	50.63	1.846	BMB
<b>Total:</b>			8.822	1.794	100.00	2.736	

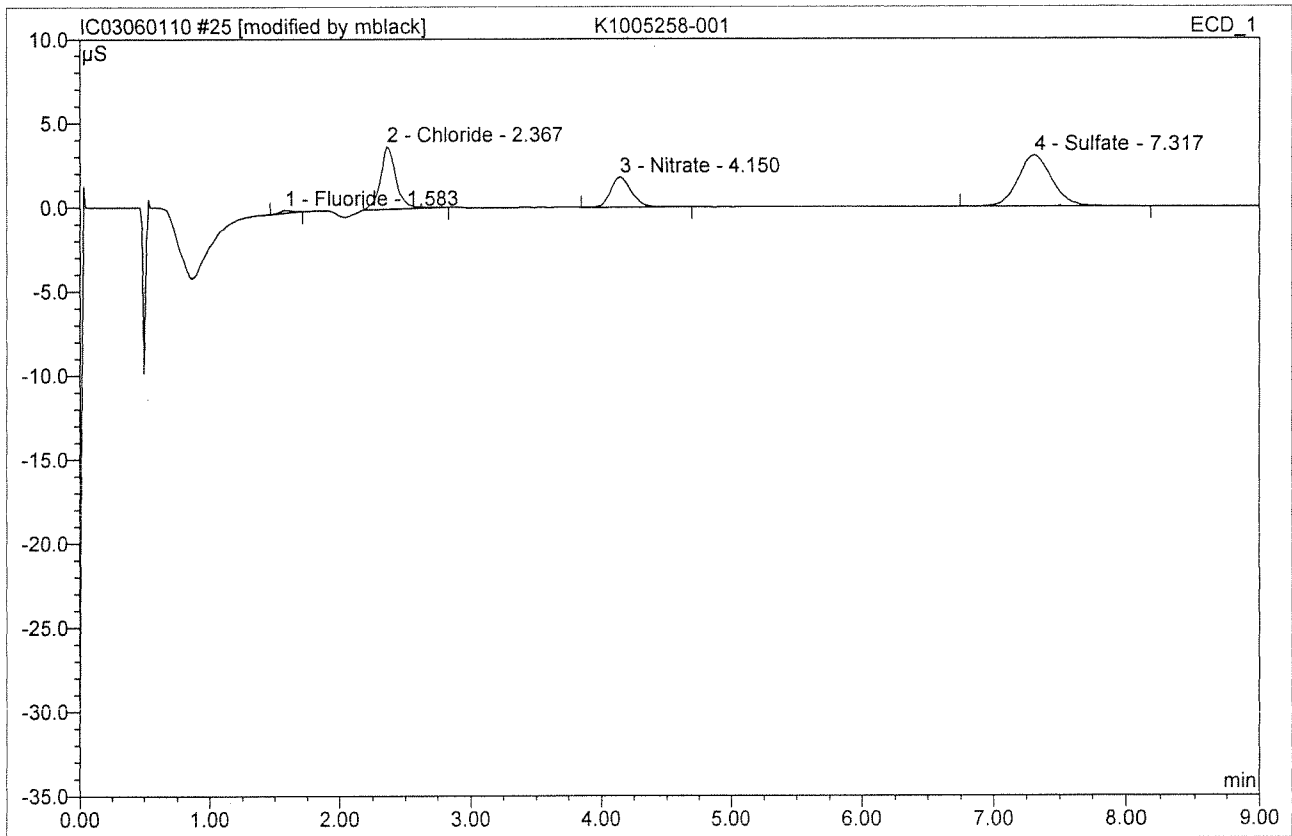
After Initials

LB

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JUN 01 2010

<b>25 K1005258-001</b>			
<b>5258-1D</b>			
Sample Name:	<b>K1005258-001</b>	Injection Volume:	<b>200.0</b>
Vial Number:	<b>23</b>	Channel:	<b>ECD_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>epa300</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>epa300</b>	Dilution Factor:	<b>2.0000</b>
Recording Time:	<b>6/1/2010 13:40</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>9.00</b>	Sample Amount:	<b>1.0000</b>



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.58	Fluoride	0.185	0.021	1.17	0.022	BMB*
2	2.37	Chloride	3.722	0.509	28.83	0.653	BMB*
3	4.15	Nitrate	1.776	0.327	18.49	0.177	BMB*
4	7.32	Sulfate	3.030	0.910	51.52	1.849	BMB
<b>Total:</b>			<b>8.713</b>	<b>1.766</b>	<b>100.00</b>	<b>2.701</b>	

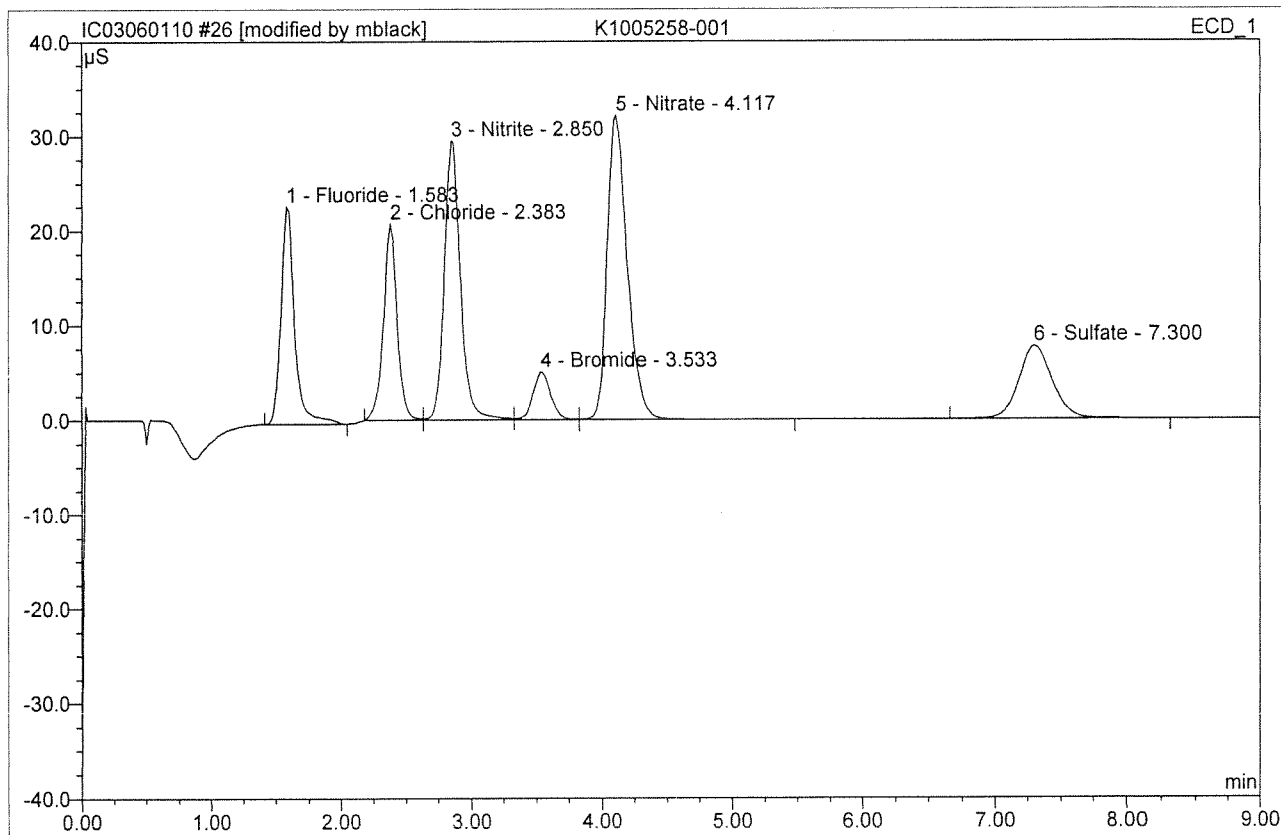
After Initials

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JUN 01 2010

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<b>26 K1005258-001</b>			
<b>5258-1MS</b>			
Sample Name:	K1005258-001	Injection Volume:	200.0
Vial Number:	24	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 13:51	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.58	Fluoride	22.967	2.813	15.28	2.94077?	BMB*
2	2.38	Chloride	20.708	2.508	13.63	3.21784?	BM *
3	2.85	Nitrite	29.466	4.269	23.20	2.95799?	M *
4	3.53	Bromide	5.046	0.800	4.35	2.98610?	M *
5	4.12	Nitrate	32.152	5.745	31.21	3.11988?	MB*
6	7.30	Sulfate	7.696	2.271	12.34	4.61592?	BMB
<b>Total:</b>			118.034	18.406	100.00	19.834	

*Handwritten note: ~3.08*

Altair  
Initial **MB**

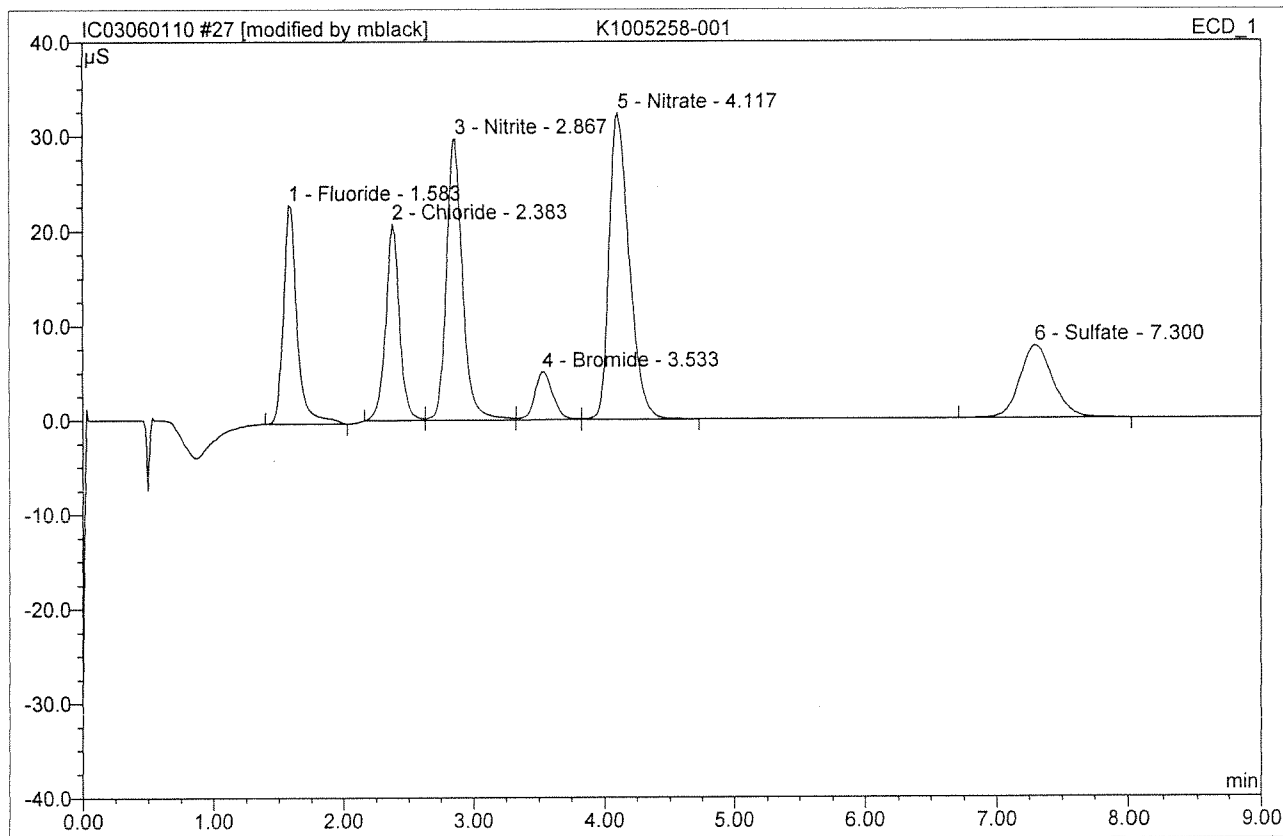
JUN 01 2010

*Handwritten signature and date: MB 6/2/10*

### 27 K1005258-001

#### 5258-1MSD

Sample Name:	<b>K1005258-001</b>	Injection Volume:	<b>200.0</b>
Vial Number:	<b>25</b>	Channel:	<b>ECD_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>epa300</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>epa300</b>	Dilution Factor:	<b>2.0000</b>
Recording Time:	<b>6/1/2010 14:03</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>9.00</b>	Sample Amount:	<b>1.0000</b>



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.58	Fluoride	23.134	2.851	15.33	2.980 <i>99%</i>	BMB*
2	2.38	Chloride	20.835	2.552	13.72	3.272 <i>86%</i>	BM*
3	2.87	Nitrite	29.773	4.344	23.36	3.009 <i>100%</i>	M*
4	3.53	Bromide	5.118	0.821	4.42	3.066 <i>102%</i>	M*
5	4.12	Nitrate	32.348	5.770	31.03	3.132 <i>85%</i>	MB*
6	7.30	Sulfate	7.712	2.259	12.15	4.591 <i>91%</i>	BMB
<b>Total:</b>			118.920	18.596	100.00	20.050	

*N=3.00*

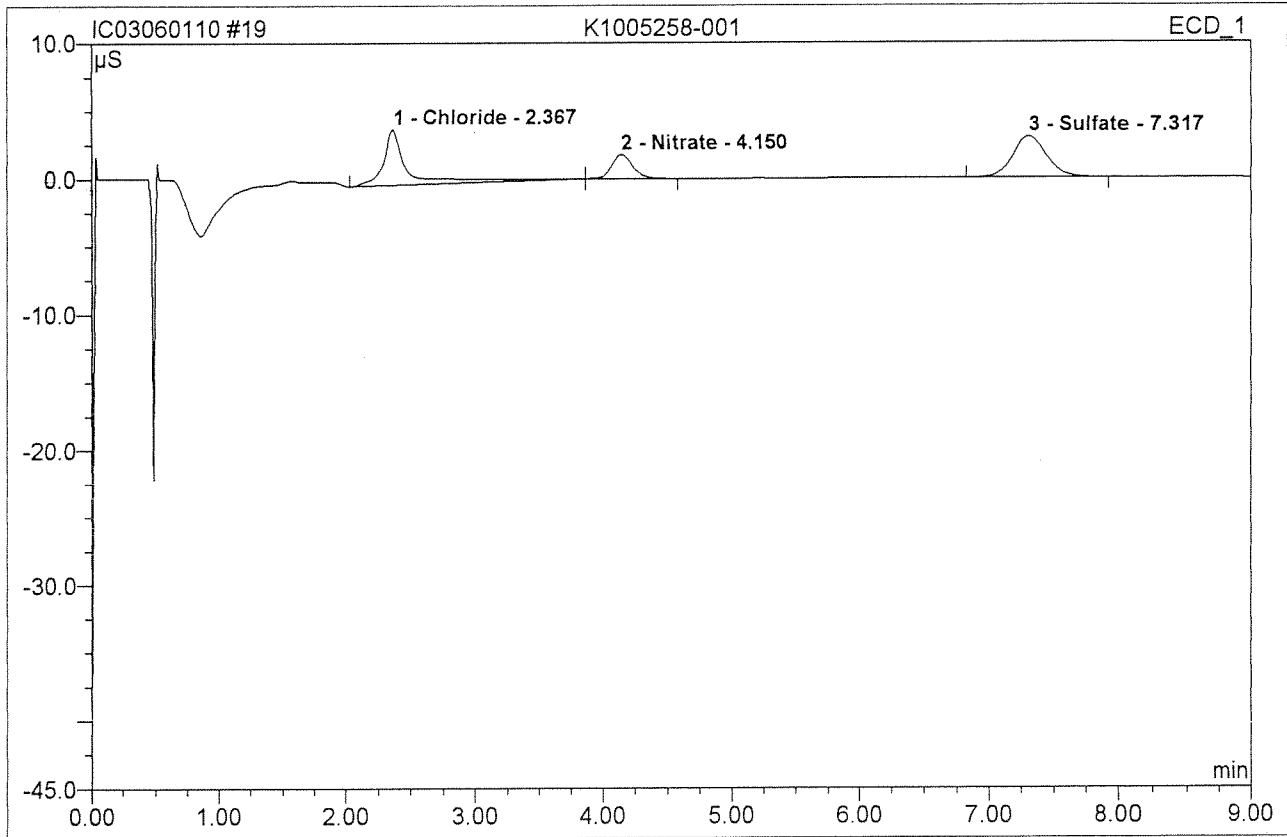
After Initials *(MS)*

JUN 01 2010

*6/2/10*

**19 K1005258-001**

Sample Name:	K1005258-001	Injection Volume:	200.0
Vial Number:	17	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 12:31	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

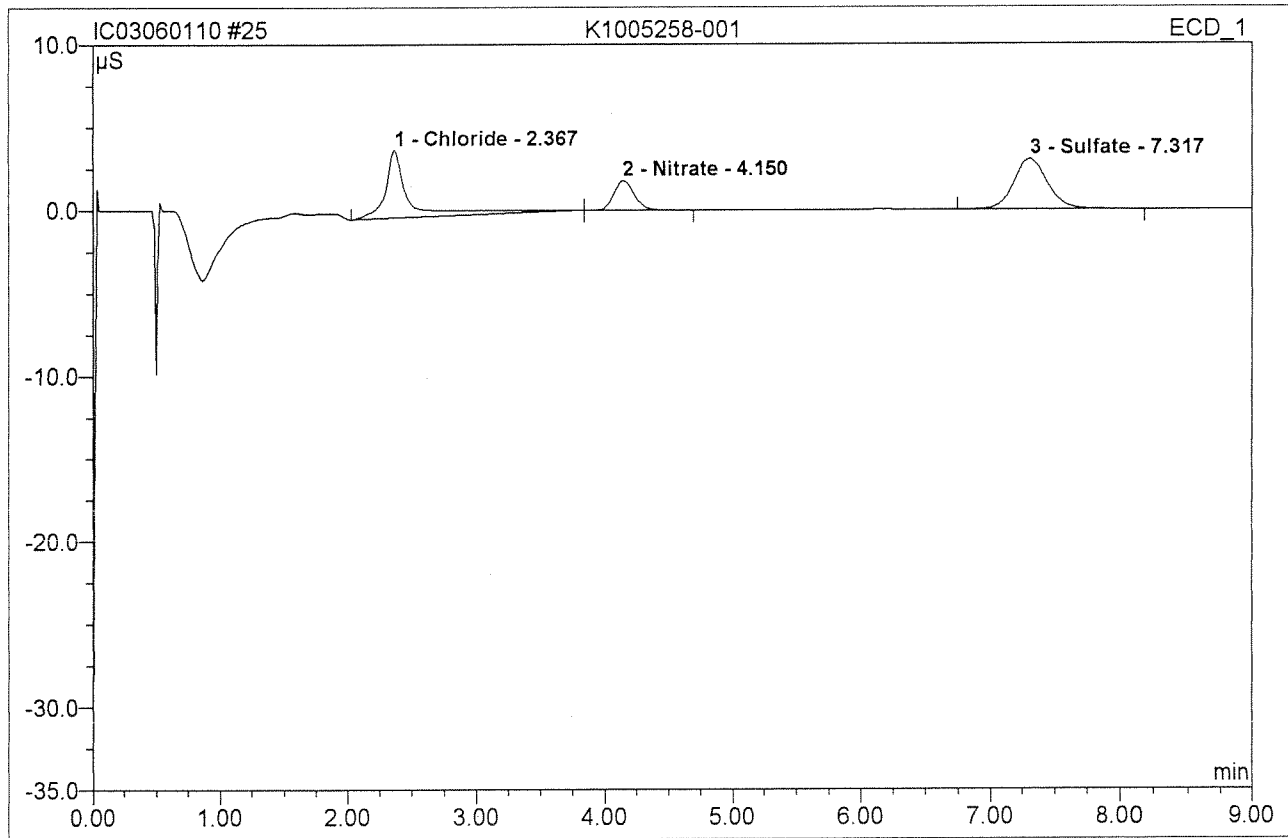


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.37	Chloride	4.136	0.935	43.12	1.199	BMB
2	4.15	Nitrate	1.773	0.325	15.00	0.177	bMB
3	7.32	Sulfate	3.042	0.908	41.88	1.846	BMB
<b>Total:</b>			8.951	2.169	100.00	3.221	

Before

JUN 01 2010

<b>25 K1005258-001</b>			
<b>5258-1D</b>			
Sample Name:	K1005258-001	Injection Volume:	200.0
Vial Number:	23	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 13:40	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

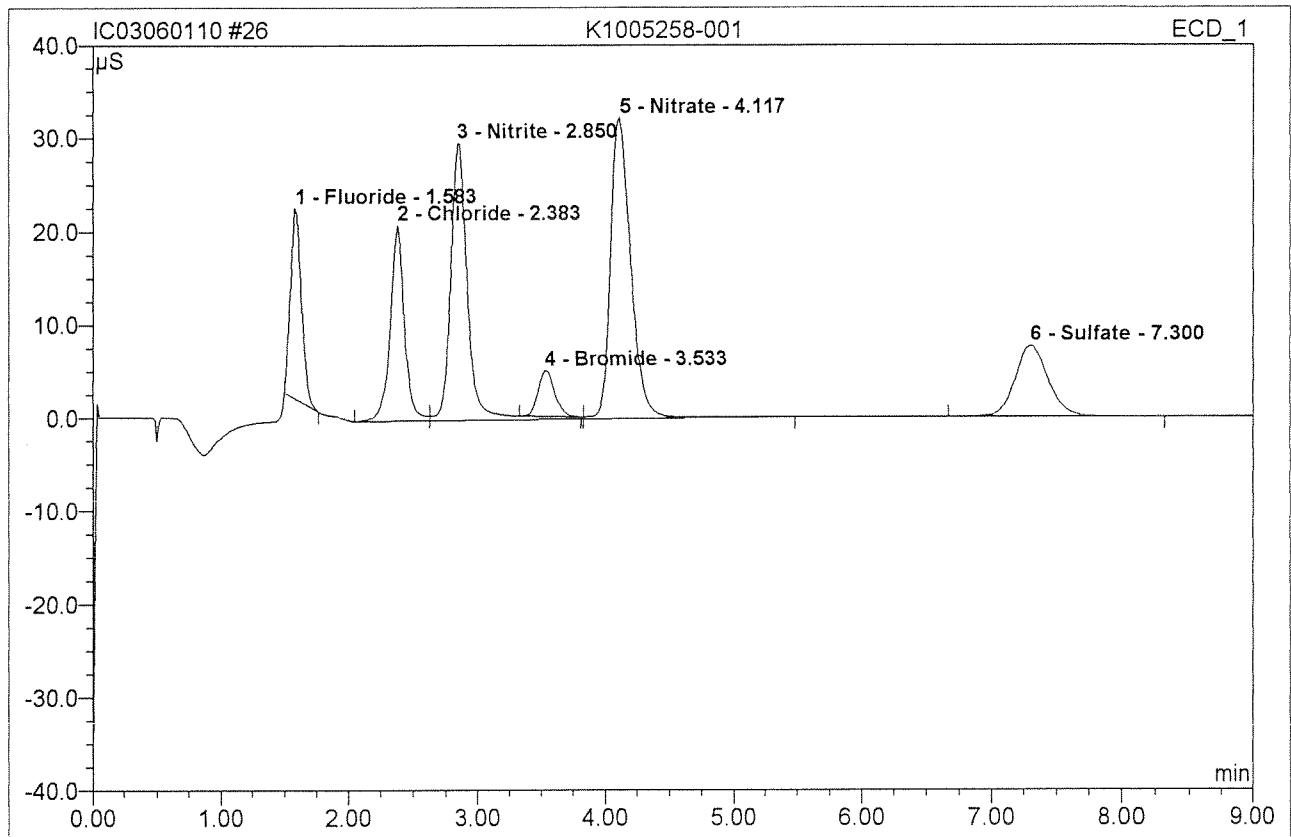


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.37	Chloride	4.085	0.918	42.61	1.177	BMB
2	4.15	Nitrate	1.776	0.327	15.16	0.177	bMB
3	7.32	Sulfate	3.030	0.910	42.24	1.849	BMB
<b>Total:</b>			8.890	2.155	100.00	3.204	

Before

JUN 01 2010

<b>26 K1005258-001</b>			
<b>5258-1MS</b>			
Sample Name:	K1005258-001	Injection Volume:	200.0
Vial Number:	24	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 13:51	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



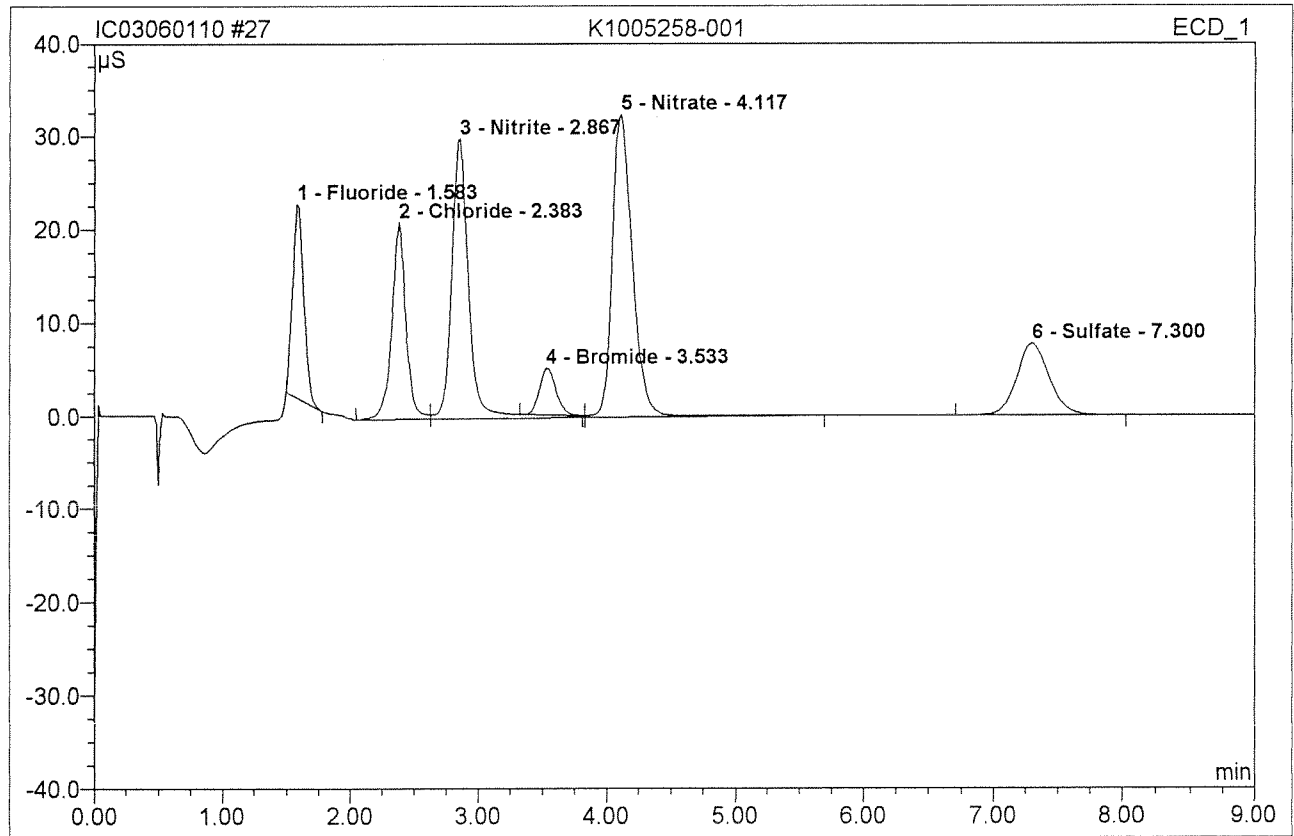
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.58	Fluoride	20.457	2.051	11.23	2.144	BMB
2	2.38	Chloride	21.056	2.682	14.68	3.439	BM
3	2.85	Nitrite	29.761	4.624	25.31	3.203	M
4	3.53	Bromide	4.932	0.748	4.09	2.793	Rd
5	4.12	Nitrate	32.305	5.898	32.27	3.202	MB
6	7.30	Sulfate	7.696	2.271	12.43	4.615	BMB
<b>Total:</b>			116.208	18.273	100.00	19.395	

Before

JUN 01 2010



<b>27 K1005258-001</b>			
<b>5258-1MSD</b>			
Sample Name:	K1005258-001	Injection Volume:	200.0
Vial Number:	25	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 14:03	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

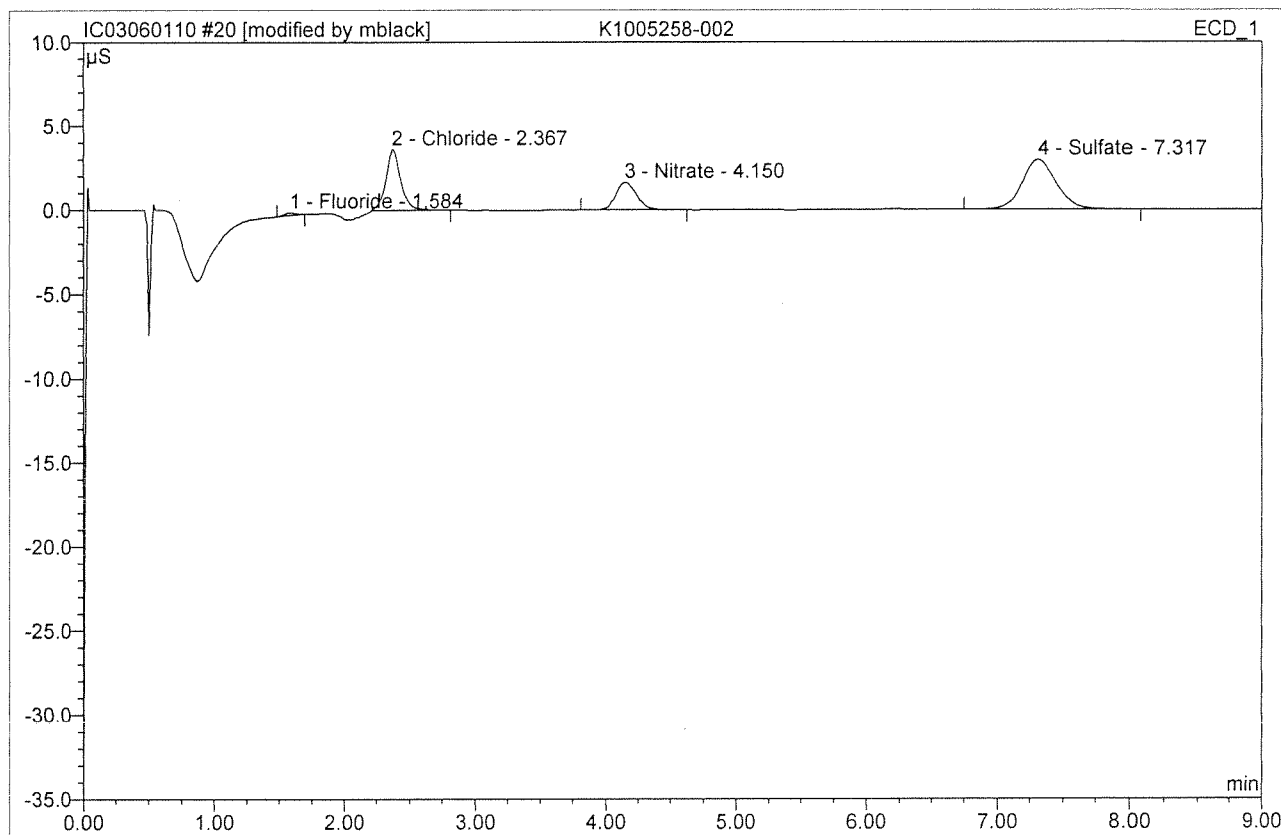


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.58	Fluoride	20.711	2.107	11.43	2.203	BMB
2	2.38	Chloride	21.098	2.686	14.57	3.444	BM
3	2.87	Nitrite	30.007	4.665	25.31	3.231	M
4	3.53	Bromide	4.975	0.756	4.10	2.822	Rd
5	4.12	Nitrate	32.508	5.960	32.33	3.235	MB
6	7.30	Sulfate	7.712	2.259	12.25	4.591	BMB
<b>Total:</b>			117.012	18.432	100.00	19.526	

Before

JUN 01 2010

<b>20 K1005258-002</b>			
Sample Name:	K1005258-002	Injection Volume:	200.0
Vial Number:	18	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 12:43	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.58	Fluoride $\bar{x}=0.02$ RPD = 21%	0.180	0.019	1.12	0.020	BMB*
2	2.37	Chloride $\bar{x}=0.62$ RPD = 29%	3.591	0.475	28.07	0.609	BMB*
3	4.15	Nitrate	1.644	0.303	17.90	0.164	BMB*
4	7.32	Sulfate $\bar{x}=1.52$ RPD = 21%	2.969	0.895	52.91	1.819	BMB
<b>Total:</b>			8.383	1.692	100.00	2.612	

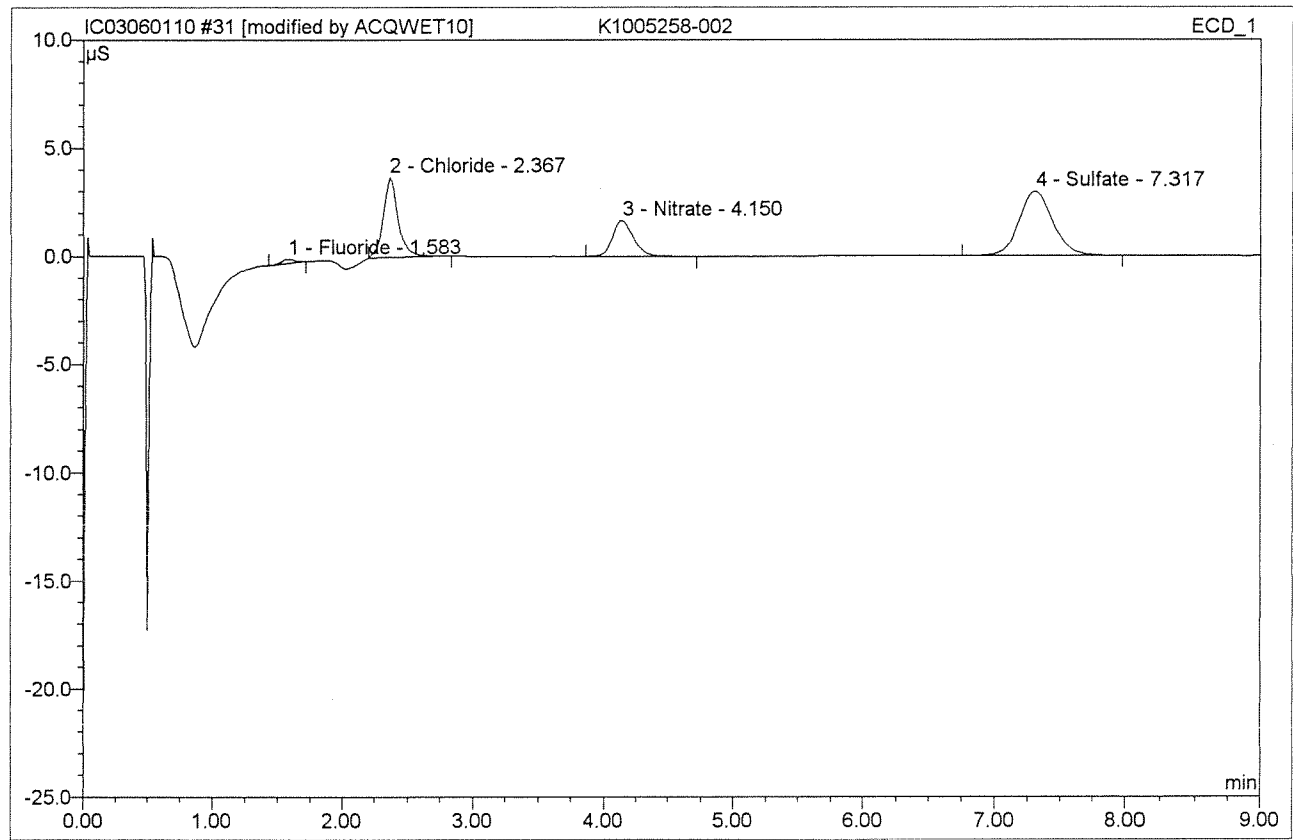
APR  
Initials

*MB*

*6/2/10*

JUN 01 2010

<b>31 K1005258-002</b>			
<b>5258-2D</b>			
Sample Name:	K1005258-002	Injection Volume:	200.0
Vial Number:	29	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 14:49	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.58	Fluoride	0.191	0.022	1.27	0.023	BMB*
2	2.37	Chloride	3.675	0.484	28.34	0.620	BMB*
3	4.15	Nitrate	1.637	0.304	17.82	0.165	BMB*
4	7.32	Sulfate	2.982	0.897	52.58	1.824	BMB
<b>Total:</b>			8.486	1.707	100.00	2.632	

After Initials *MB*

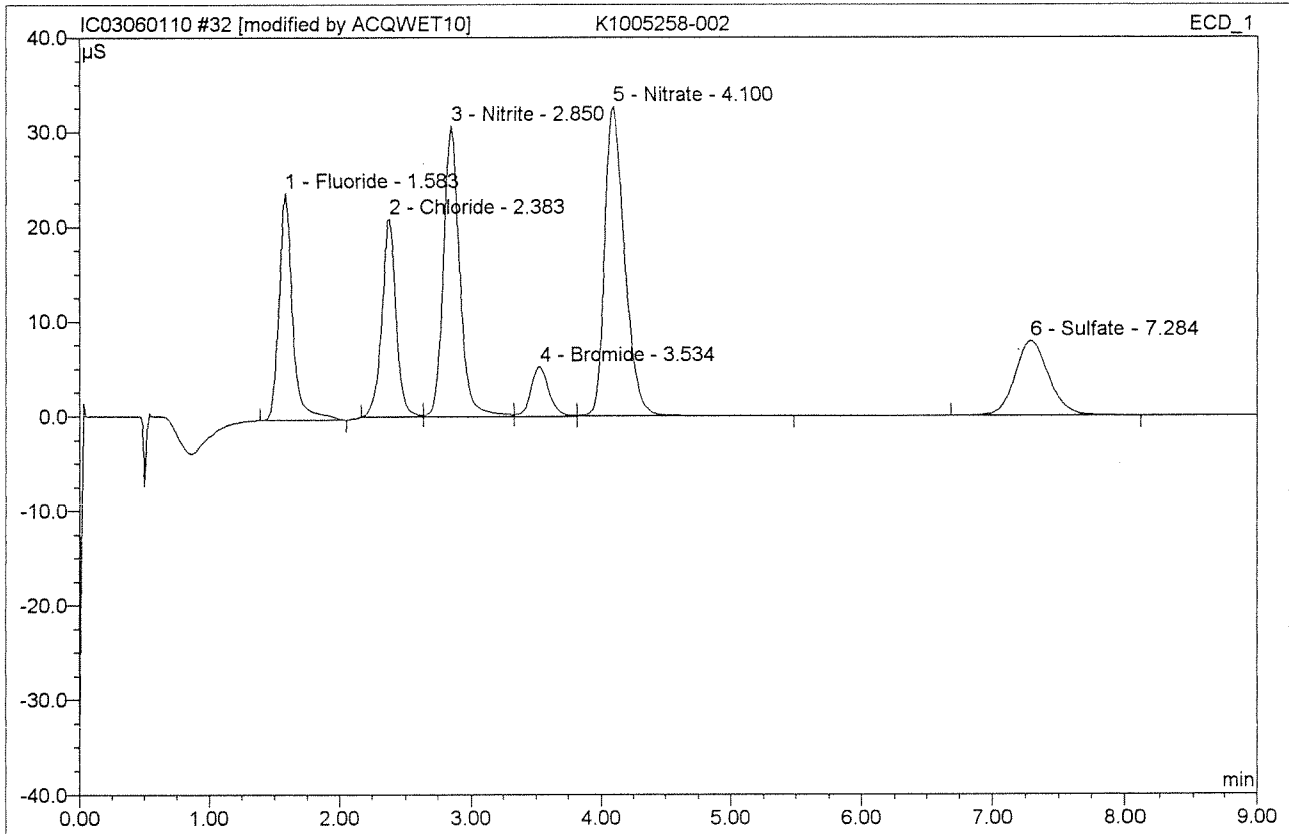
*6/2/10*

JUN 01 2010

**32 K1005258-002**

**5258-2MS**

Sample Name:	K1005258-002	Injection Volume:	200.0
Vial Number:	30	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 15:00	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



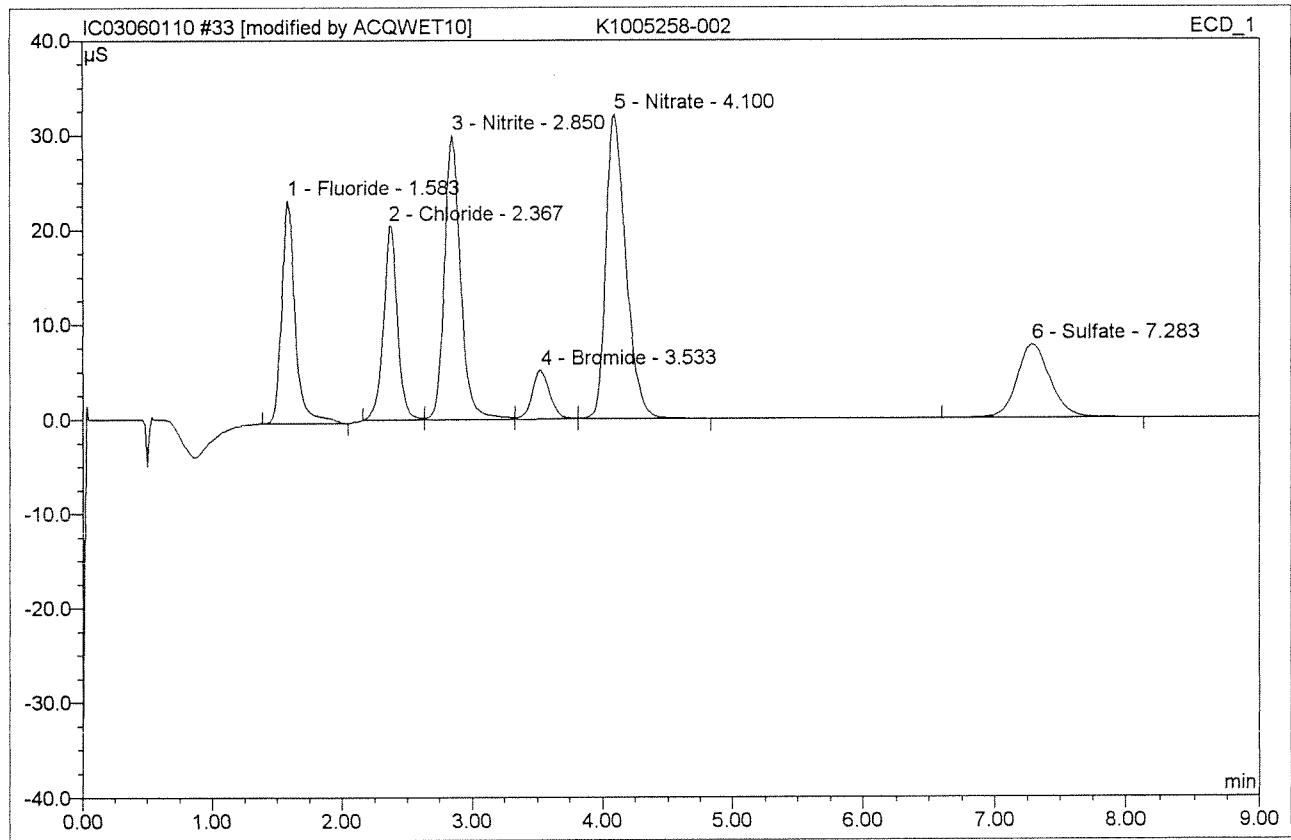
No.	Ret. Time min	Peak Name	Height $\mu\text{S}$	Area $\mu\text{S} \cdot \text{min}$	Rel. Area %	Amount	Type
1	1.58	Fluoride	23.980	2.911	15.40	3.043	101% BMB*
2	2.38	Chloride	20.871	2.594	13.72	3.326	91% BM *
3	2.85	Nitrite	30.608	4.415	23.35	3.058	102% M *
4	3.53	Bromide	5.252	0.839	4.44	3.133	104% M *
5	4.10	Nitrate	32.658	5.836	30.86	3.168	100% MB*
6	7.28	Sulfate	7.856	2.313	12.23	4.702	96% BMB
<b>Total:</b>			121.226	18.909	100.00	20.430	

After initials

MB

6/2/10

<b>33 K1005258-002</b>			
<b>5258-2MSD</b>			
Sample Name:	K1005258-002	Injection Volume:	200.0
Vial Number:	31	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 15:12	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.58	Fluoride	23.546	2.846	15.35	2.97599%	BMB*
2	2.37	Chloride	20.445	2.545	13.73	3.26488%	BM*
3	2.85	Nitrite	30.053	4.333	23.37	3.001102%	M*
4	3.53	Bromide	5.128	0.816	4.40	3.047102%	M*
5	4.10	Nitrate	32.193	5.726	30.89	3.10998%	MB*
6	7.28	Sulfate	7.702	2.272	12.26	4.61873%	BMB
<b>Total:</b>			119.066	18.538	100.00	20.013	

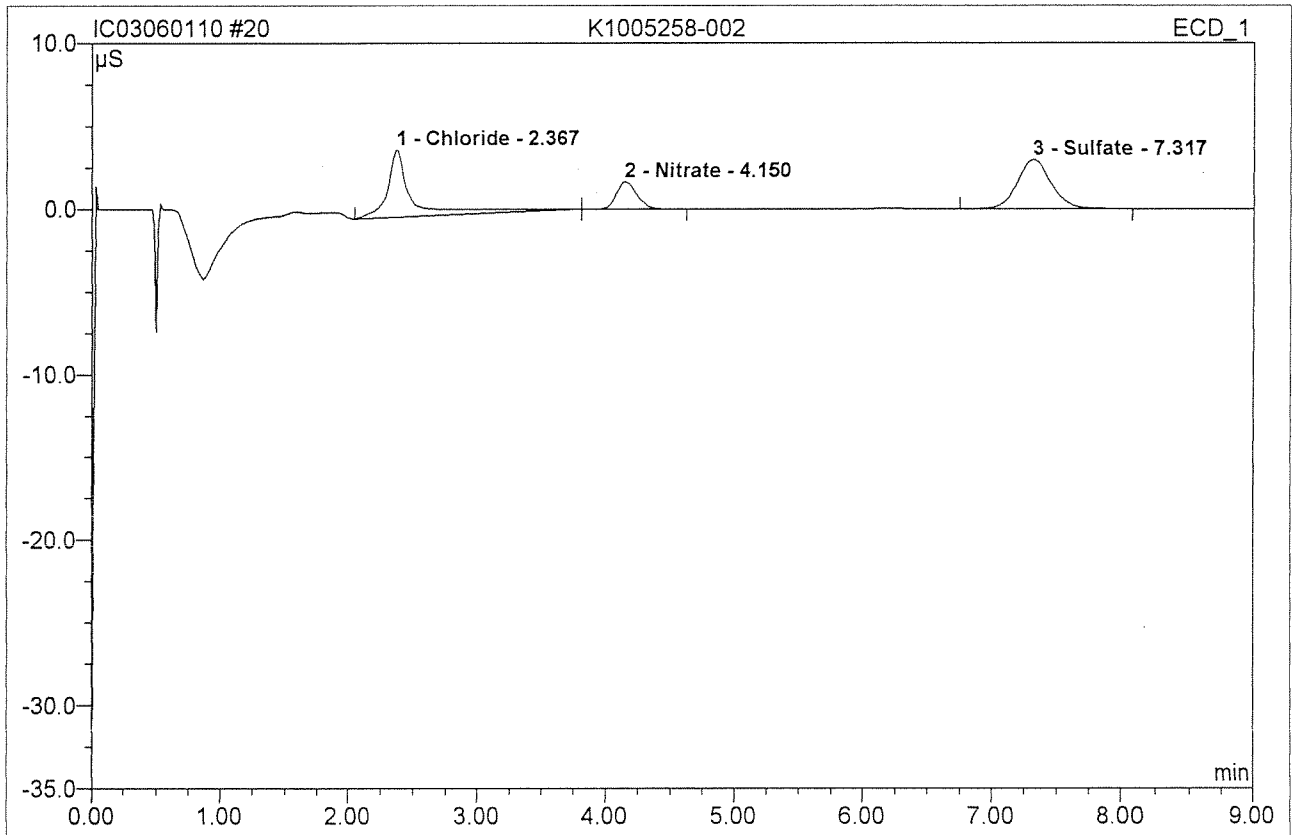
N=3.00

After  
analysis **AAB**

JUN 01 2010

6/2/10

<b>20 K1005258-002</b>			
Sample Name:	K1005258-002	Injection Volume:	200.0
Vial Number:	18	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 12:43	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

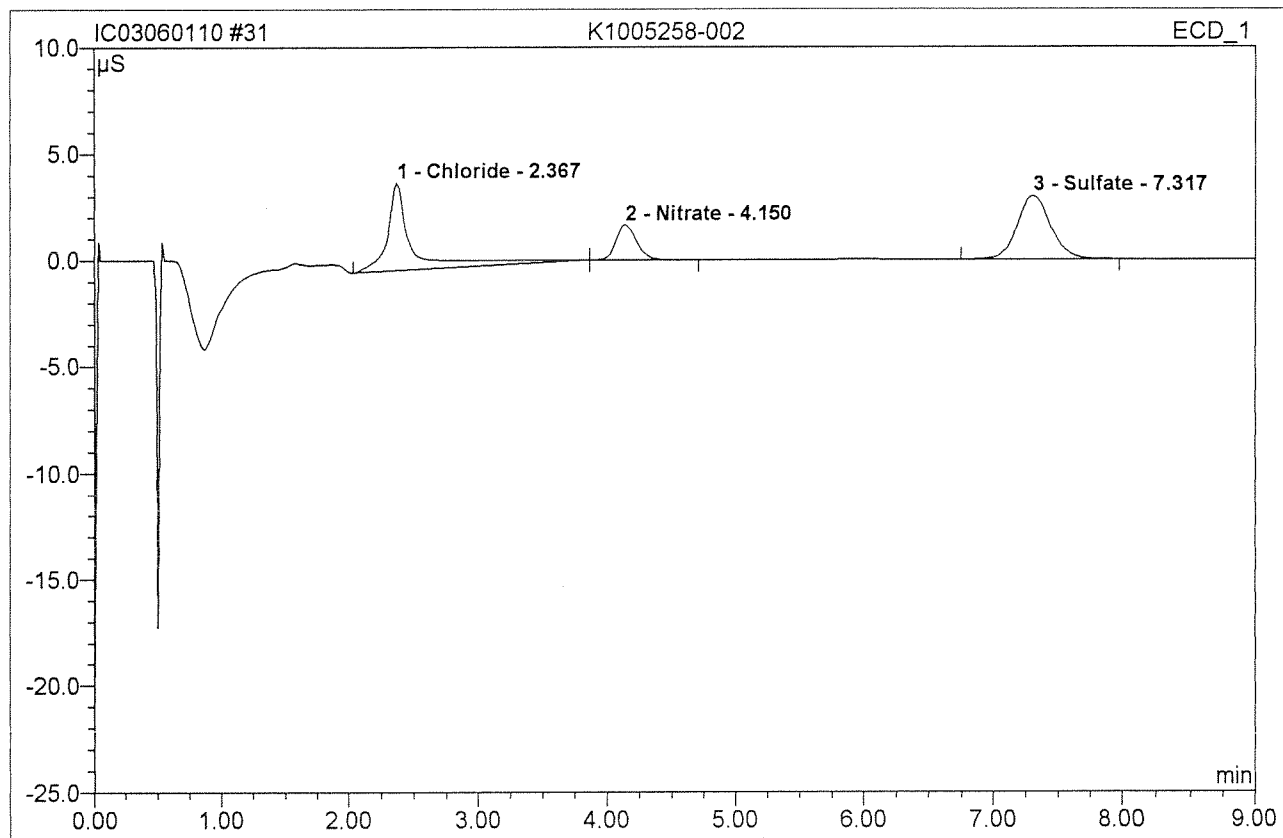


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.37	Chloride	4.051	0.919	43.42	1.179	BMB
2	4.15	Nitrate	1.644	0.303	14.30	0.164	bMB
3	7.32	Sulfate	2.969	0.895	42.28	1.819	BMB
<b>Total:</b>			8.664	2.117	100.00	3.163	

Before

JUN 01 2010

<b>31 K1005258-002</b>			
<b>5258-2D</b>			
Sample Name:	K1005258-002	Injection Volume:	200.0
Vial Number:	29	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 14:49	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

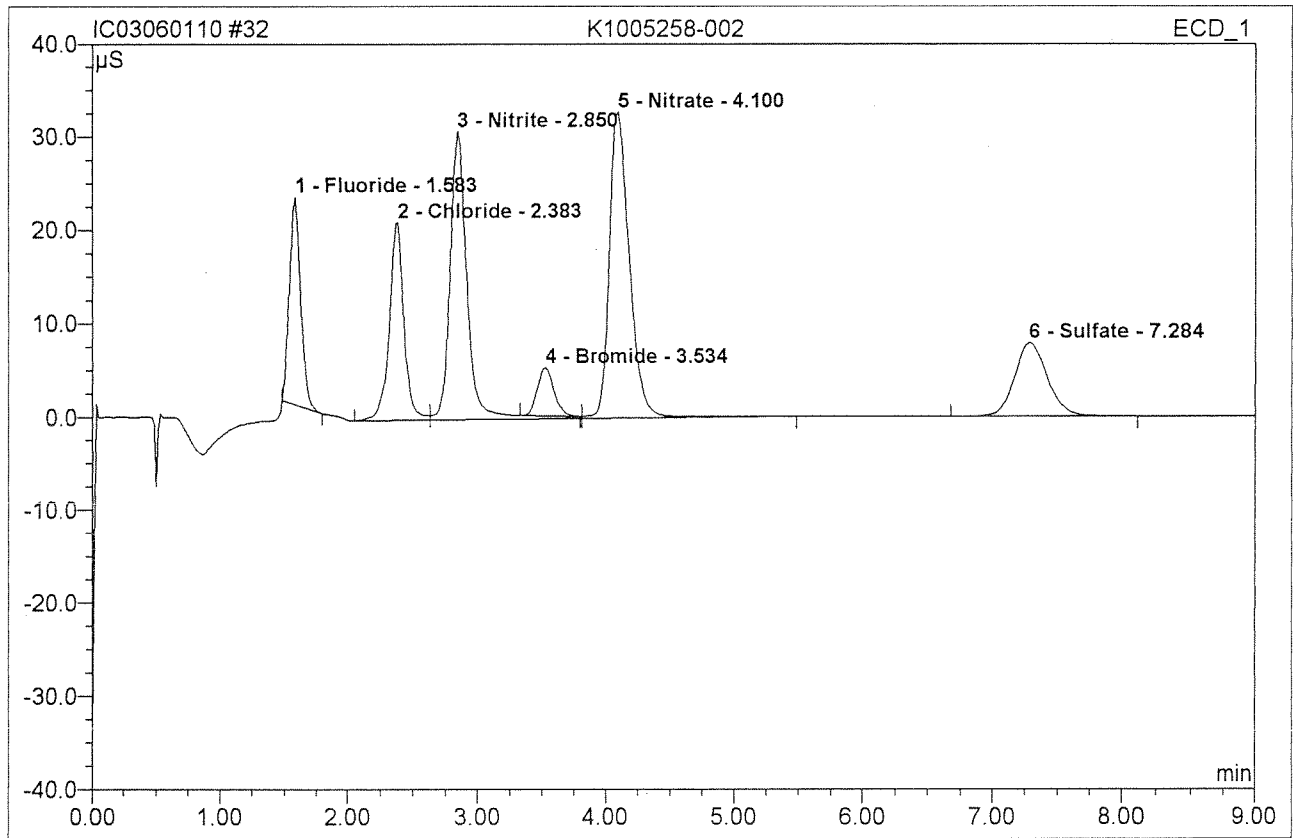


No.	Ret. Time min	Peak Name	Height $\mu\text{S}$	Area $\mu\text{S}\cdot\text{min}$	Rel. Area %	Amount	Type
1	2.37	Chloride	4.112	0.942	43.96	1.209	BMB
2	4.15	Nitrate	1.637	0.304	14.19	0.165	bMB
3	7.32	Sulfate	2.982	0.897	41.86	1.824	BMB
<b>Total:</b>			8.732	2.144	100.00	3.197	

Before

JUN 01 2010

<b>32 K1005258-002</b>			
<b>5258-2MS</b>			
Sample Name:	K1005258-002	Injection Volume:	200.0
Vial Number:	30	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 15:00	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



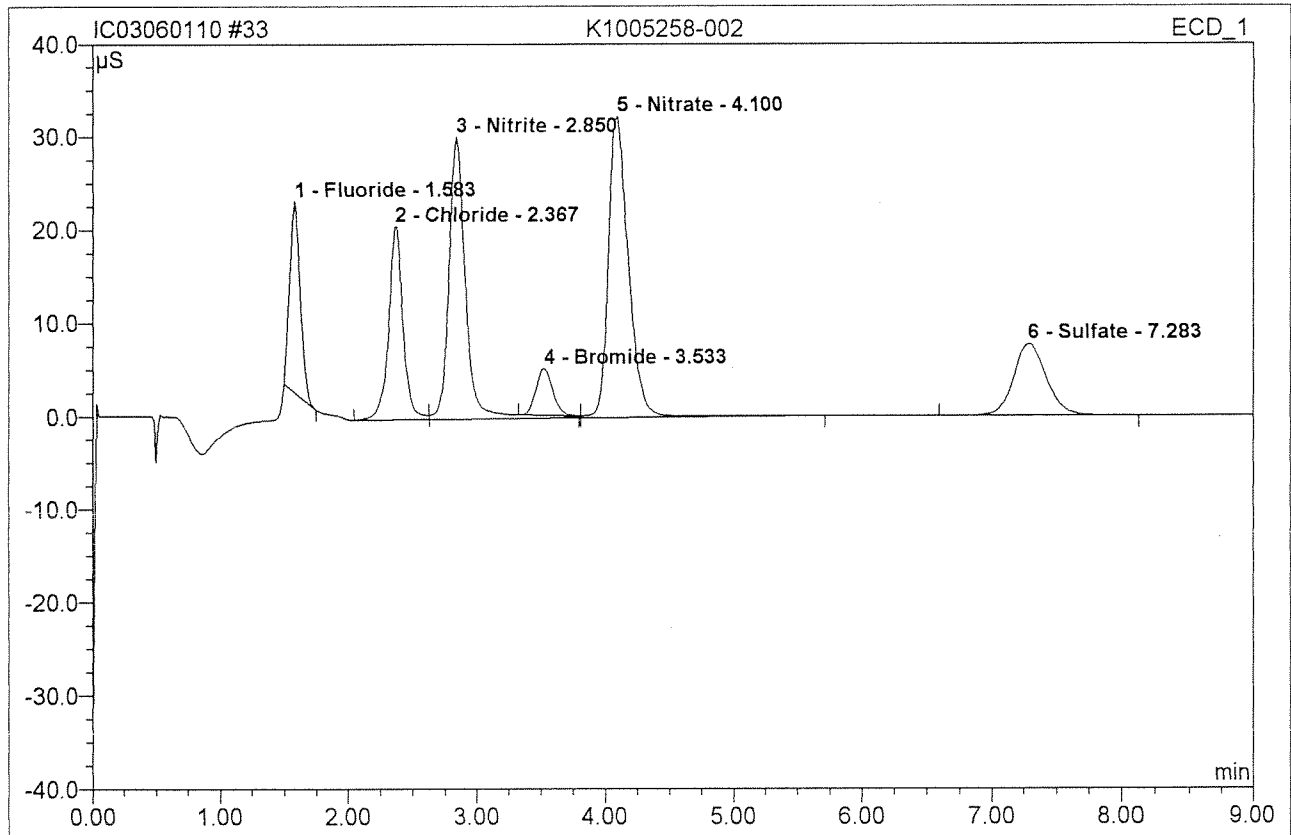
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.58	Fluoride	22.227	2.295	12.17	2.399	BMB
2	2.38	Chloride	21.179	2.752	14.60	3.529	BM
3	2.85	Nitrite	30.869	4.750	25.19	3.290	M
4	3.53	Bromide	5.099	0.770	4.08	2.873	Rd
5	4.10	Nitrate	32.795	5.974	31.68	3.243	MB
6	7.28	Sulfate	7.856	2.313	12.27	4.702	BMB
<b>Total:</b>			120.024	18.854	100.00	20.036	

Before

JUN 01 2010



<b>33 K1005258-002</b>			
<b>5258-2MSD</b>			
Sample Name:	K1005258-002	Injection Volume:	200.0
Vial Number:	31	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 15:12	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.58	Fluoride	20.538	1.978	10.81	2.067	BMB
2	2.37	Chloride	20.748	2.700	14.76	3.462	BM
3	2.85	Nitrite	30.316	4.671	25.54	3.236	M
4	3.53	Bromide	4.988	0.753	4.12	2.811	Rd
5	4.10	Nitrate	32.354	5.914	32.34	3.211	MB
6	7.28	Sulfate	7.702	2.272	12.42	4.618	BMB
<b>Total:</b>			116.647	18.288	100.00	19.405	

Before

JUN 01 2010

- 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.

LCS

Fluoride	True Value = 13.5 ppm	CAS ID # = AN1-33-D	Expires: <u>7/17/10</u>
Chloride	True Value = 5.0ppm	CAS ID # = ERA#0107-10-02	Expires: <u>5/10</u>
Nitrite	True Value = 100 ppm	CAS ID # = <u>NR</u>	Expires: <u>NR</u>
Bromide	True Value = 4.0 ppm	CAS ID # = AN1-33-L	Expires: <u>NR</u>
Nitrate	True Value = 21.0 ppm	CAS ID # = AN1-33-E	Expires: <u>NR</u>
Sulfate	True Value = 5.0 ppm	CAS ID # = ERA#0107-10-02	Expires: <u>8/10</u>

CCV

	CAS ID # = <u>AN11-20-P</u>	Expires: <u>6/1/10</u>	
Fluoride	True Value = 5.0 ppm	10K CAS ID # = AN1-33-M	Expires: <u>10/28/10</u>
Chloride	True Value = 5.0 ppm	10K CAS ID # = AN1-33-F	Expires: <u>5/5/10</u>
Nitrite	True Value = 2.0 ppm	10K CAS ID # = AN1-33-N	Expires: <u>NR</u>
Bromide	True Value = 2.0 ppm	10K CAS ID # = AN1-20-DD	Expires: <u>NR</u>
Nitrate	True Value = 2.0 ppm	10K CAS ID # = AN1-33-I	Expires: <u>NR</u>
Sulfate	True Value = 5.0 ppm	10K CAS ID # = AN1-33-G	Expires: <u>8/5/10</u>

Spike

1.5ppm X dilution factor	CAS ID# = <u>AN1-10-U</u>	Expires <u>6/1/10</u>
Fluoride	10K CAS ID # = AN1-33-M	Expires: _____
Chloride	10K CAS ID # = AN1-33-F	Expires: _____
Nitrite	10K CAS ID # = AN1-33-N	Expires: _____
Bromide	10K CAS ID # = AN1-20-DD	Expires: _____
Nitrate	10K CAS ID # = AN1-33-I	Expires: _____
Sulfate	10K CAS ID # = AN1-33-G	Expires: _____

} see 10K CCV ID's

Analyst: MB Date: 6/1/10

First Review: MB Date: 6/1/10

Final Review: [Signature] Date: 6/2/10



Service Request	Tier	QC	Hold Time	Due Date	Anion	Initial	Final	QC DILUTION	Done?
K4814-1	TII			6/4	F	2.5/5			✓
Exponent					CL		0.25/5		✓
					NO2				
					Br				
					NO3				
					SO4				✓
-2					F				✓
					CL		0.5/5		✓
					NO2				
					Br				
					NO3				
					SO4		0.5/5		✓
-3					F				✓
					CL		0.5/5		✓
					NO2				
					Br				
					NO3				
					SO4		0.5/5		✓
-4					F				✓
					CL		0.25		✓
					NO2				
					Br				
					NO3				
					SO4		0.5/5		✓
-5					F				✓
					CL				✓
					NO2				
					Br				
					NO3				
					SO4				✓
-6					F				✓
					CL				✓
					NO2				
					Br				
					NO3				
					SO4				✓
K5015-1	TII			6/4	F				✓
City of Port.					CL	2.5/5			✓
					NO2				
					Br				
					NO3				
					SO4				
K5035-1	TII			6/4	F				✓
Clark Co.					CL	2.5/5			✓
					NO2				
					Br				
					NO3				
					SO4				
-2					F				✓
					CL	2.5/5			✓
					NO2				
					Br				
					NO3				
					SO4				
					F				
					CL				
					NO2				
					Br				
					NO3				
					SO4				04

MDL

Sequence: IC03060110  
Operator: mblack

Title:  
Datasource: ACQWET10\_local  
Location: DX120A  
Timebase: DX120  
#Samples: 67

Created: 6/1/2010 8:42:26 AM by ACQWET10  
Last Update: 6/2/2010 2:42:12 PM by mblack











































No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
1	std2/M2	Standard	1	200.0	epa300	epa300	Finished	4/26/2010 8:54:58 AM
2	std3/M3	Standard	2	200.0	epa300	epa300	Finished	4/26/2010 9:12:26 AM
3	std4/M4	Standard	3	200.0	epa300	epa300	Finished	4/26/2010 9:25:24 AM
4	std5/M5	Standard	4	200.0	epa300	epa300	Finished	4/26/2010 9:38:21 AM
5	std6/M6	Standard	5	200.0	epa300	epa300	Finished	4/26/2010 9:51:19 AM
6	std7/M7	Standard	6	200.0	epa300	epa300	Finished	4/26/2010 10:04:17 AM
7	std1/M1	Standard	7	200.0	epa300	epa300	Finished	4/26/2010 10:17:14 AM
8	KQ1005157-09	Unknown	8	200.0	epa300	epa300	Finished	6/1/2010 8:44:48 AM
9	KQ1005157-15	Unknown	9	200.0	epa300	epa300	Finished	6/1/2010 8:56:16 AM
10	NO2 AN11-28-C	Unknown	10	200.0	epa300	epa300	Finished	6/1/2010 9:07:44 AM
11	KQ1005157-01	Unknown	11	200.0	epa300	epa300	Finished	6/1/2010 9:19:11 AM
12	NO3 AN1-33-E	Unknown	11	200.0	epa300	epa300	Finished	6/1/2010 9:30:41 AM
13	KQ1005157-02	Unknown	12	200.0	epa300	epa300	Finished	6/1/2010 9:42:08 AM
14	KQ1005157-02	Unknown	13	200.0	epa300	epa300	Finished	6/1/2010 9:53:36 AM
15	Br AN1-33-L	Unknown	14	200.0	epa300	epa300	Finished	6/1/2010 10:05:03 AM
16	SPK AN11-10-U	Unknown	16	200.0	epa300	epa300	Finished	6/1/2010 10:16:30 AM
17	KQ1005157-10	Unknown	15	200.0	epa300	epa300	Finished	6/1/2010 10:27:59 AM
18	KQ1005157-16	Unknown	16	200.0	epa300	epa300	Finished	6/1/2010 10:39:27 AM
19	K1005258-001	Unknown	17	200.0	epa300	epa300	Finished	6/1/2010 12:31:34 PM
20	K1005258-002	Unknown	18	200.0	epa300	epa300	Finished	6/1/2010 12:43:02 PM
21	K1005258-003	Unknown	19	200.0	epa300	epa300	Finished	6/1/2010 12:54:30 PM
22	K1005258-004	Unknown	20	200.0	epa300	epa300	Finished	6/1/2010 1:05:57 PM
23	K1005258-005	Unknown	21	200.0	epa300	epa300	Finished	6/1/2010 1:17:26 PM
24	K1005258-006	Unknown	22	200.0	epa300	epa300	Finished	6/1/2010 1:28:53 PM
25	KQ1005157-03	Unknown	23	200.0	epa300	epa300	Finished	6/1/2010 1:40:22 PM
26	KQ1005157-04	Unknown	24	200.0	epa300	epa300	Finished	6/1/2010 1:51:50 PM
27	KQ1005157-05	Unknown	25	200.0	epa300	epa300	Finished	6/1/2010 2:03:17 PM
28	RB	Unknown	26	200.0	epa300	epa300	Finished	6/1/2010 2:14:45 PM
29	KQ1005157-11	Unknown	27	200.0	epa300	epa300	Finished	6/1/2010 2:26:12 PM
30	KQ1005157-17	Unknown	28	200.0	epa300	epa300	Finished	6/1/2010 2:37:40 PM
31	KQ1005157-06	Unknown	29	200.0	epa300	epa300	Finished	6/1/2010 2:49:07 PM
32	KQ1005157-07	Unknown	30	200.0	epa300	epa300	Finished	6/1/2010 3:00:35 PM
33	KQ1005157-08	Unknown	31	200.0	epa300	epa300	Finished	6/1/2010 3:12:03 PM
34	K1004744-001	Unknown	32	200.0	epa300	epa300	Finished	6/1/2010 3:23:31 PM
35	K1004744-002	Unknown	33	200.0	epa300	epa300	Finished	6/1/2010 3:34:58 PM
36	K1004744-003	Unknown	34	200.0	epa300	epa300	Finished	6/1/2010 3:46:26 PM
37	K1004744-004 <i>OK 6/1/10</i>	Unknown	35	200.0	epa300	epa300	Finished	6/1/2010 3:57:53 PM
38	K1004814-001	Unknown	36	200.0	epa300	epa300	Finished	6/1/2010 4:09:21 PM
39	K1004814-002	Unknown	37	200.0	epa300	epa300	Finished	6/1/2010 4:20:48 PM
40	RB	Unknown	38	200.0	epa300	epa300	Finished	6/1/2010 4:32:16 PM
41	KQ1005157-12	Unknown	39	200.0	epa300	epa300	Finished	6/1/2010 4:43:44 PM
42	KQ1005157-18	Unknown	40	200.0	epa300	epa300	Finished	6/1/2010 4:55:12 PM

Sequence: IC03060110  
Operator: mblack

Page 2 of 4  
Printed: 6/2/2010 2:44:18 PM

Title:  
Datasource: ACQWET10\_local  
Location: DX120A  
Timebase: DX120  
#Samples: 67

Created: 6/1/2010 8:42:26 AM by ACQWET10  
Last Update: 6/2/2010 2:42:12 PM by mblack

No.	Name	Dil. Factor	Comment
1	 std2/vl2	1.0000	
2	 std3/vl3	1.0000	
3	 std4/vl4	1.0000	
4	 std5/vl5	1.0000	
5	 std6/vl6	1.0000	
6	 std7/vl7	1.0000	
7	 std1/vl1	1.0000	
8	 KQ1005157-09	1.0000	CCV1
9	 KQ1005157-15	1.0000	CCB1
10	 NO2 AN11-28-C	25.0000	NO2
11	 KQ1005157-01	1.0000	MB
12	 NO3 AN1-33-E	20.0000	NO3
13	 KQ1005157-02	1.0000	CLSO4
14	 KQ1005157-02	2.0000	F
15	 Br AN1-33-L	1.0000	Br
16	 SPK AN11-10-U	1.0000	SPK
17	 KQ1005157-10	1.0000	CCV2
18	 KQ1005157-16	1.0000	CCB2
19	 K1005258-001	2.0000	
20	 K1005258-002	2.0000	
21	 K1005258-003	2.0000	
22	 K1005258-004	2.0000	
23	 K1005258-005	2.0000	
24	 K1005258-006	2.0000	
25	 KQ1005157-03	2.0000	5258-1D
26	 KQ1005157-04	2.0000	5258-1MS
27	 KQ1005157-05	2.0000	5258-1MSD
28	 RB	1.0000	
29	 KQ1005157-11	1.0000	CCV3
30	 KQ1005157-17	1.0000	CCB3
31	 KQ1005157-06	2.0000	5258-2D
32	 KQ1005157-07	2.0000	5258-2MS
33	 KQ1005157-08	2.0000	5258-2MSD
34	 K1004744-001	2.0000	
35	 K1004744-002	2.0000	
36	 K1004744-003	2.0000	
37	 K1004744-004	2.0000	
38	 K1004814-001	2.0000	
39	 K1004814-002	2.0000	
40	 RB	1.0000	
41	 KQ1005157-12	1.0000	CCV4
42	 KQ1005157-18	1.0000	CCB4


























Sequence: IC03060110  
Operator: mblack

Page 3 of 4  
Printed: 6/2/2010 2:44:18 PM

Title:

Datasource: ACQWET10\_local  
Location: DX120A  
Timebase: DX120  
#Samples: 67

Created: 6/1/2010 8:42:26 AM by ACQWET10  
Last Update: 6/2/2010 2:42:12 PM by mblack


























No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
43	 K1004814-003	Unknown	41	200.0	epa300	epa300	Finished	6/1/2010 5:06:39 PM
44	 K1004814-004	Unknown	42	200.0	epa300	epa300	Finished	6/1/2010 5:18:07 PM
45	 K1004814-005	Unknown	43	200.0	epa300	epa300	Finished	6/1/2010 5:29:34 PM
46	 K1004814-006	Unknown	44	200.0	epa300	epa300	Finished	6/1/2010 5:41:02 PM
47	 K1005015-001	Unknown	45	200.0	epa300	epa300	Finished	6/1/2010 5:52:31 PM
48	 K1005035-001	Unknown	46	200.0	epa300	epa300	Finished	6/1/2010 6:03:58 PM
49	 K1005035-002	Unknown	47	200.0	epa300	epa300	Finished	6/1/2010 6:15:26 PM
50	 K1004744-001	Unknown	48	200.0	epa300	epa300	Finished	6/1/2010 6:26:53 PM
51	 K1004744-002	Unknown	49	200.0	epa300	epa300	Finished	6/1/2010 6:38:20 PM
52	 RB	Unknown	50	200.0	epa300	epa300	Finished	6/1/2010 6:49:48 PM
53	 KQ1005157-13	Unknown	51	200.0	epa300	epa300	Finished	6/1/2010 7:01:16 PM
54	 KQ1005157-19	Unknown	52	200.0	epa300	epa300	Finished	6/1/2010 7:12:43 PM
55	 K1004744-004	Unknown	54	200.0	epa300	epa300	Finished	6/1/2010 7:36:20 PM
56	 K1004744-003	Unknown	55	200.0	epa300	epa300	Finished	6/1/2010 7:49:01 PM
57	 K1004814-001	Unknown	55	200.0	epa300	epa300	Finished	6/1/2010 8:00:29 PM
58	 K1004814-002	Unknown	56	200.0	epa300	epa300	Finished	6/1/2010 8:11:57 PM
59	 K1004814-003	Unknown	57	200.0	epa300	epa300	Finished	6/1/2010 8:23:25 PM
60	 K1004814-004	Unknown	58	200.0	epa300	epa300	Finished	6/1/2010 8:34:53 PM
61	 K1004814-004	Unknown	59	200.0	epa300	epa300	Finished	6/1/2010 8:46:20 PM
62	 K1004744-002	Unknown	60	200.0	epa300	epa300	Finished	6/1/2010 8:57:48 PM
63	 K1004744-002	Unknown	61	200.0	epa300	epa300	Finished	6/1/2010 9:09:15 PM
64	 RB	Unknown	62	200.0	epa300	epa300	Finished	6/1/2010 9:20:43 PM
65	 KQ1005157-14	Unknown	63	200.0	epa300	epa300	Finished	6/1/2010 9:32:11 PM
66	 KQ1005157-20	Unknown	64	200.0	epa300	epa300	Finished	6/1/2010 9:43:38 PM
67	 SHUTDOWN	Unknown	65	200.0	shutdown 120	epa300	Finished	6/1/2010 9:55:06 PM

Sequence: IC03060110  
Operator: mblack

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Printed: 6/2/2010 2:44:18 PM

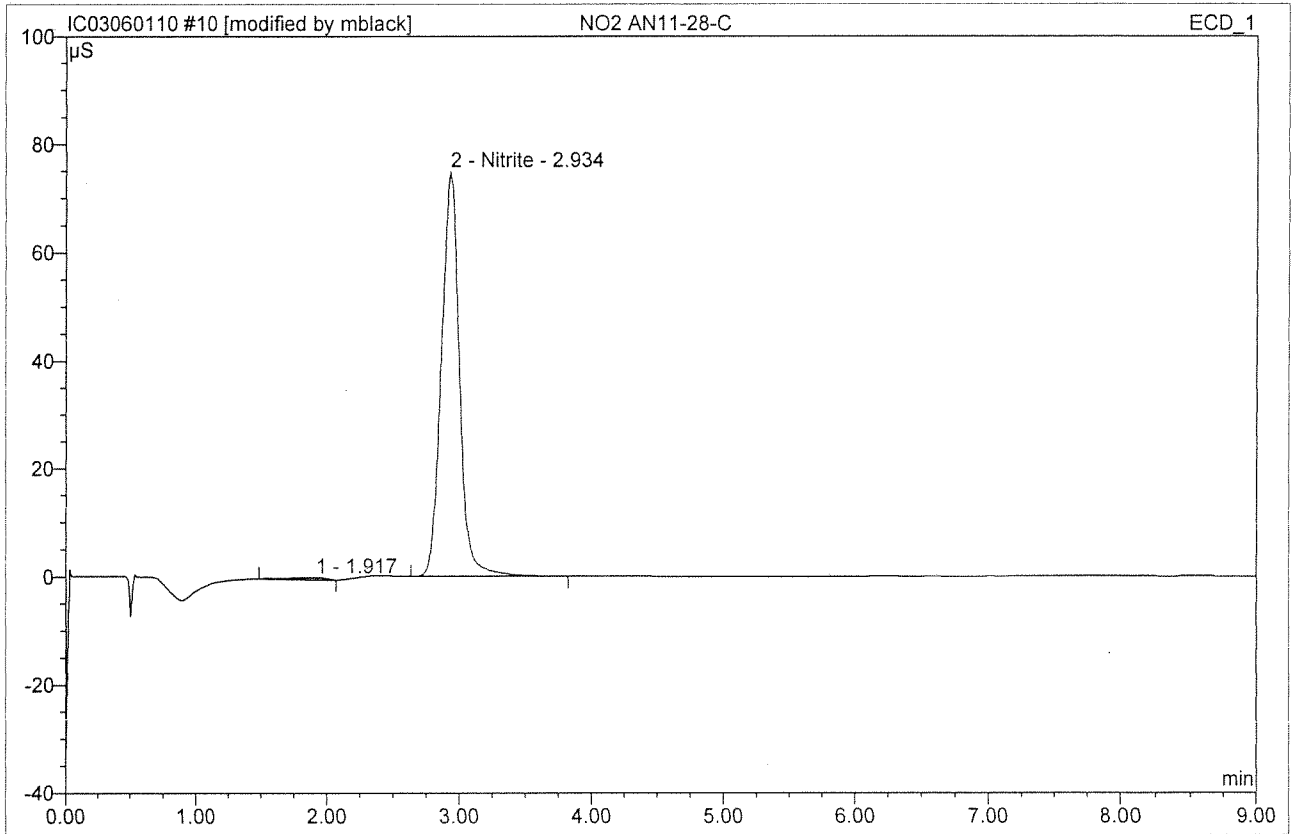
Title:  
Datasource: ACQWET10\_local  
Location: DX120A  
Timebase: DX120  
#Samples: 67

Created: 6/1/2010 8:42:26 AM by ACQWET10  
Last Update: 6/2/2010 2:42:12 PM by mblack


No.	Name	Dil. Factor	Comment
43	 K1004814-003	2.0000	
44	 K1004814-004	2.0000	
45	 K1004814-005	2.0000	
46	 K1004814-006	2.0000	
47	 K1005015-001	2.0000	
48	 K1005035-001	2.0000	
49	 K1005035-002	2.0000	
50	 K1004744-001	5.0000	
51	 K1004744-002	5.0000	
52	 RB	1.0000	
53	 KQ1005157-13	1.0000	CCV5
54	 KQ1005157-19	1.0000	CCB5
55	 K1004744-004	20.0000	
56	 K1004744-003	1.0000	
57	 K1004814-001	20.0000	
58	 K1004814-002	10.0000	
59	 K1004814-003	10.0000	
60	 K1004814-004	20.0000	
61	 K1004814-004	10.0000	
62	 K1004744-002	100.0000	
63	 K1004744-002	2.0000	
64	 RB	1.0000	
65	 KQ1005157-14	1.0000	CCV6
66	 KQ1005157-20	1.0000	CCB6
67	 SHUTDOWN	1.0000	



<b>10 NO2 AN11-28-C</b>			
<b>NO2</b>			
Sample Name:	NO2 AN11-28-C	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:	6/1/2010 9:07	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

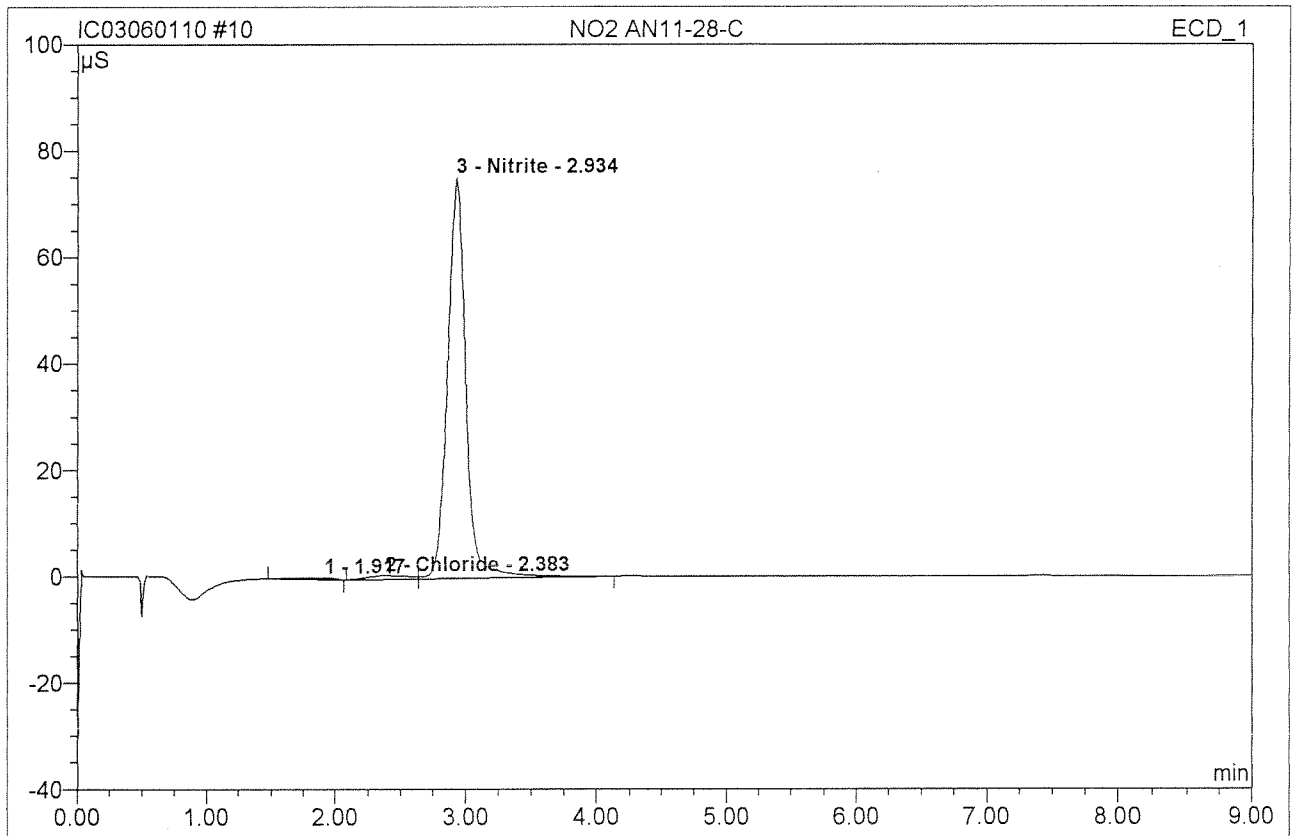


No.	Ret.Time min	Peak Name	Height $\mu\text{S}$	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.92	n.a.	0.351	0.121	1.01	n.a.	BMB
2	2.93	Nitrite	74.873	11.805	98.99	102.210/102%	BMB*
<b>Total:</b>			75.224	11.925	100.00	102.210	

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6/2/10

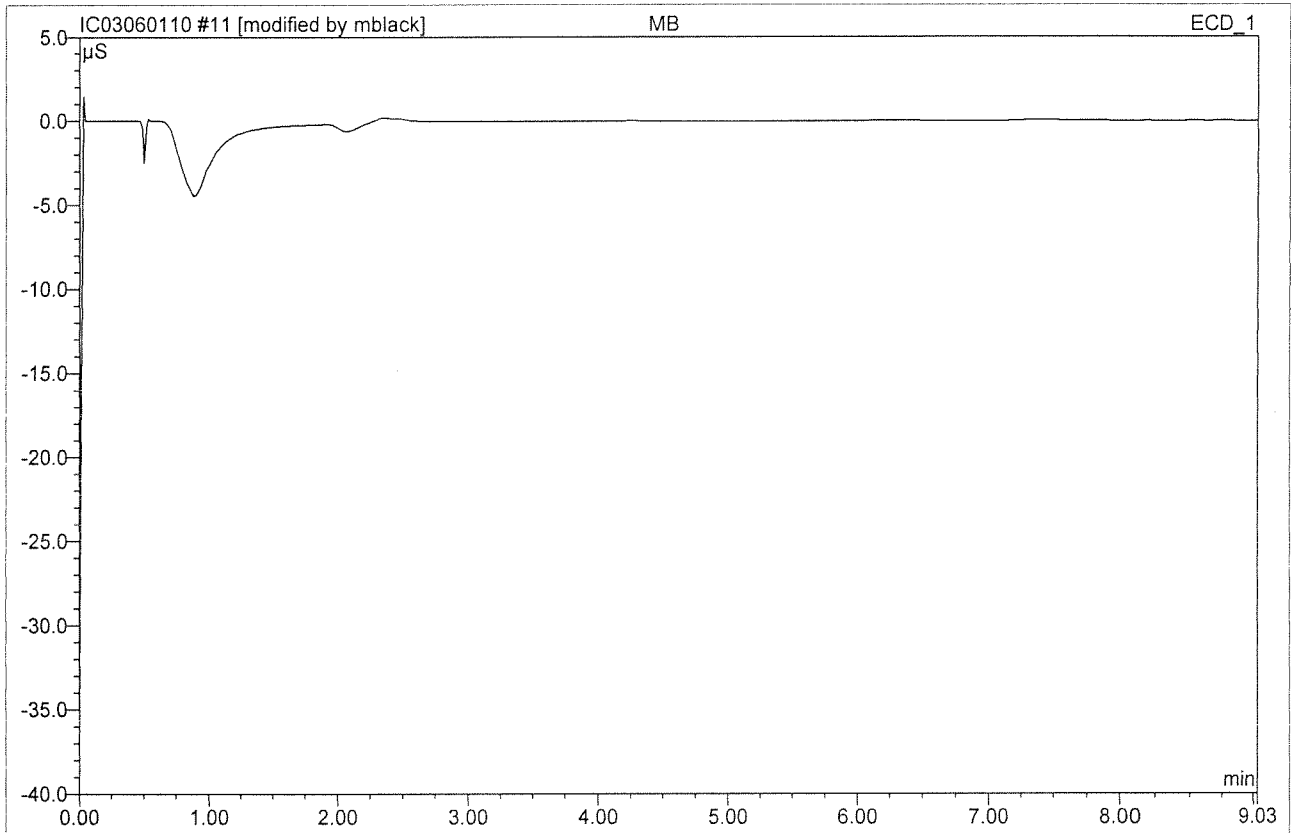
<b>10 NO2 AN11-28-C</b>			
<b>NO2</b>			
Sample Name:	NO2 AN11-28-C	Injection Volume:	200.0
Vial Number:	10	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	25.0000
Recording Time:	6/1/2010 9:07	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.92	n.a.	0.351	0.121	0.96	n.a.	BMB
2	2.38	Chloride	0.724	0.259	2.07	4.159	BM
3	2.93	Nitrite	75.230	12.145	96.96	105.160	MB
<b>Total:</b>			76.305	12.526	100.00	109.319	

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<b>11 MB</b>			
<b>MB</b>			
Sample Name:	<b>MB</b>	Injection Volume:	<b>200.0</b>
Vial Number:	<b>11</b>	Channel:	<b>ECD_1</b>
Sample Type:	<b>unknown</b>	Wavelength:	<b>n.a.</b>
Control Program:	<b>epa300</b>	Bandwidth:	<b>n.a.</b>
Quantif. Method:	<b>epa300</b>	Dilution Factor:	<b>1.0000</b>
Recording Time:	<b>6/1/2010 9:19</b>	Sample Weight:	<b>1.0000</b>
Run Time (min):	<b>9.03</b>	Sample Amount:	<b>1.0000</b>



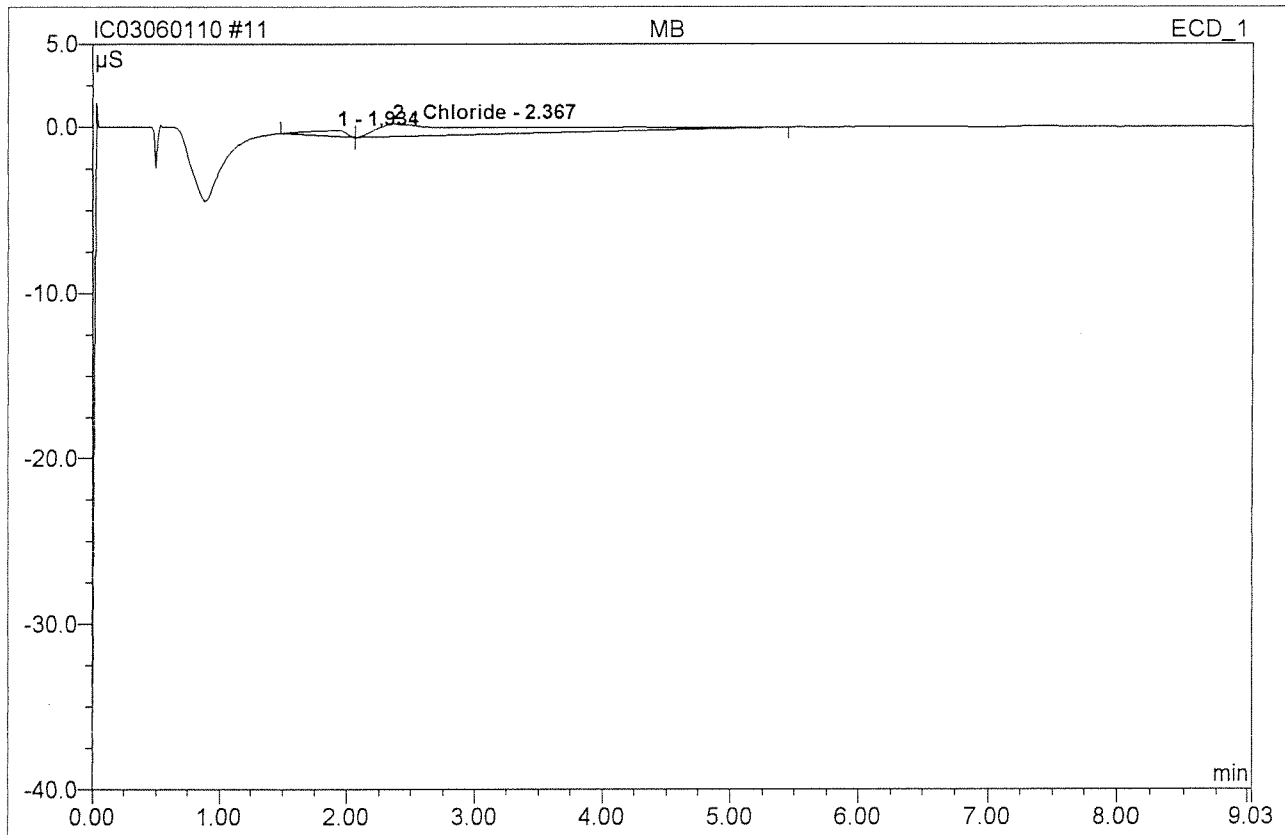
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
<b>Total:</b>			0.000	0.000	0.00	0.000	

MB

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**11 MB****MB**

Sample Name:	MB	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:	1.0000
Recording Time:	6/1/2010 9:19	Sample Weight:	1.0000
Run Time (min):	9.03	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	1.93	n.a.	0.365	0.119	10.79	n.a.	BMb
2	2.37	Chloride	0.749	0.982	89.21	0.630	bMB
<b>Total:</b>			1.114	1.101	100.00	0.630	

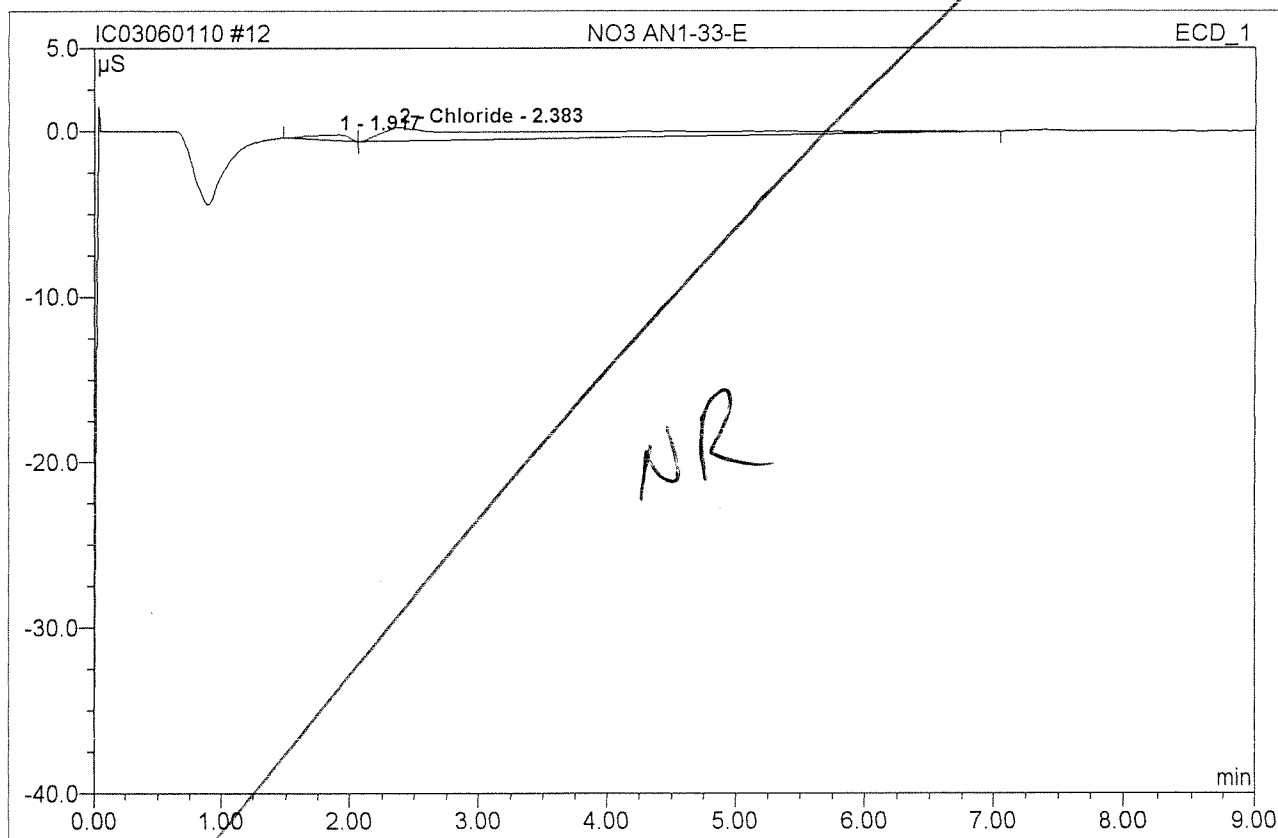
Before

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## 12 NO3 AN1-33-E

### NO3

Sample Name:	NO3 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:	20.0000
Recording Time:	6/1/2010 9:30	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

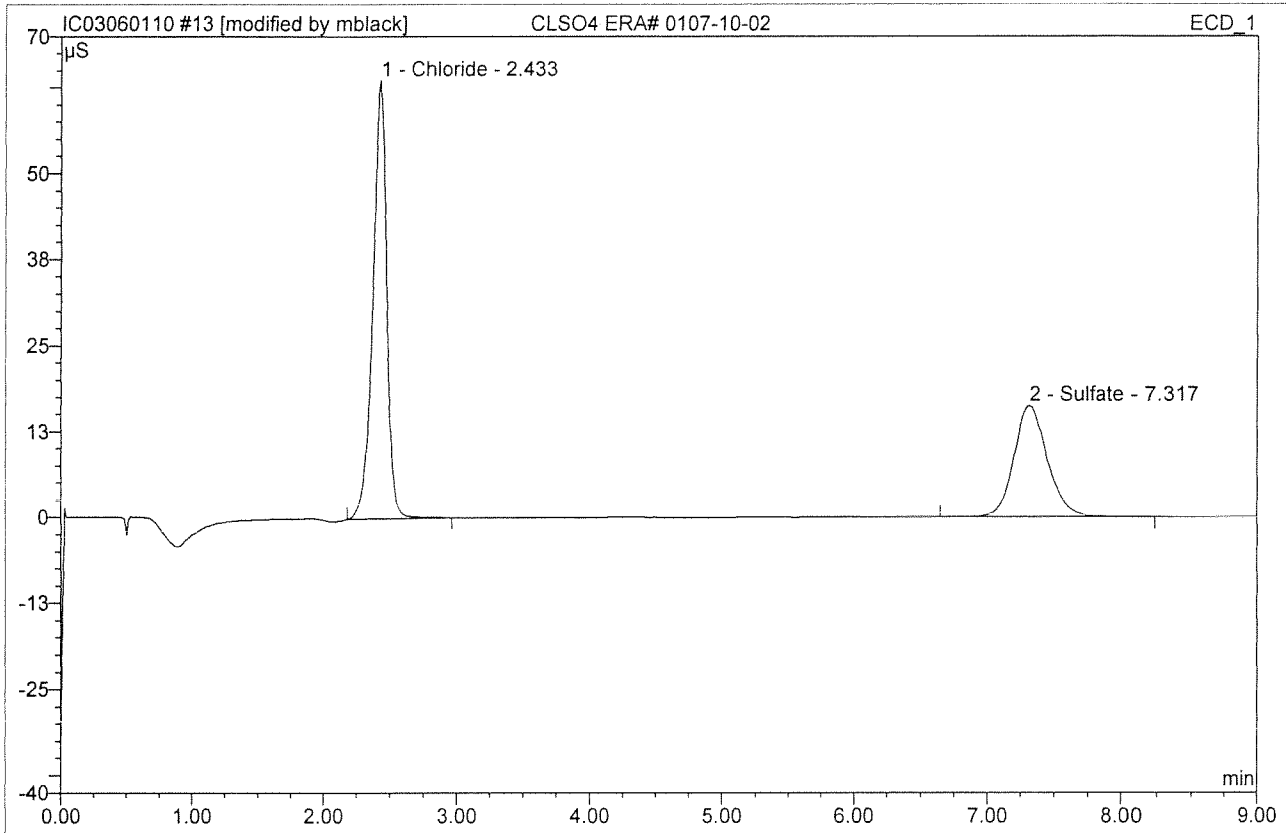


No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.92	n.a.	0.354	0.120	7.47	n.a.	BMb
2	2.38	Chloride	0.821	1.487	92.53	19.067	bMB
<b>Total:</b>			1.175	1.607	100.00	19.067	

**13 CLSO4 ERA# 0107-10-02**

**CLSO4**

Sample Name:	CLSO4 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:	6/1/2010 9:42	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

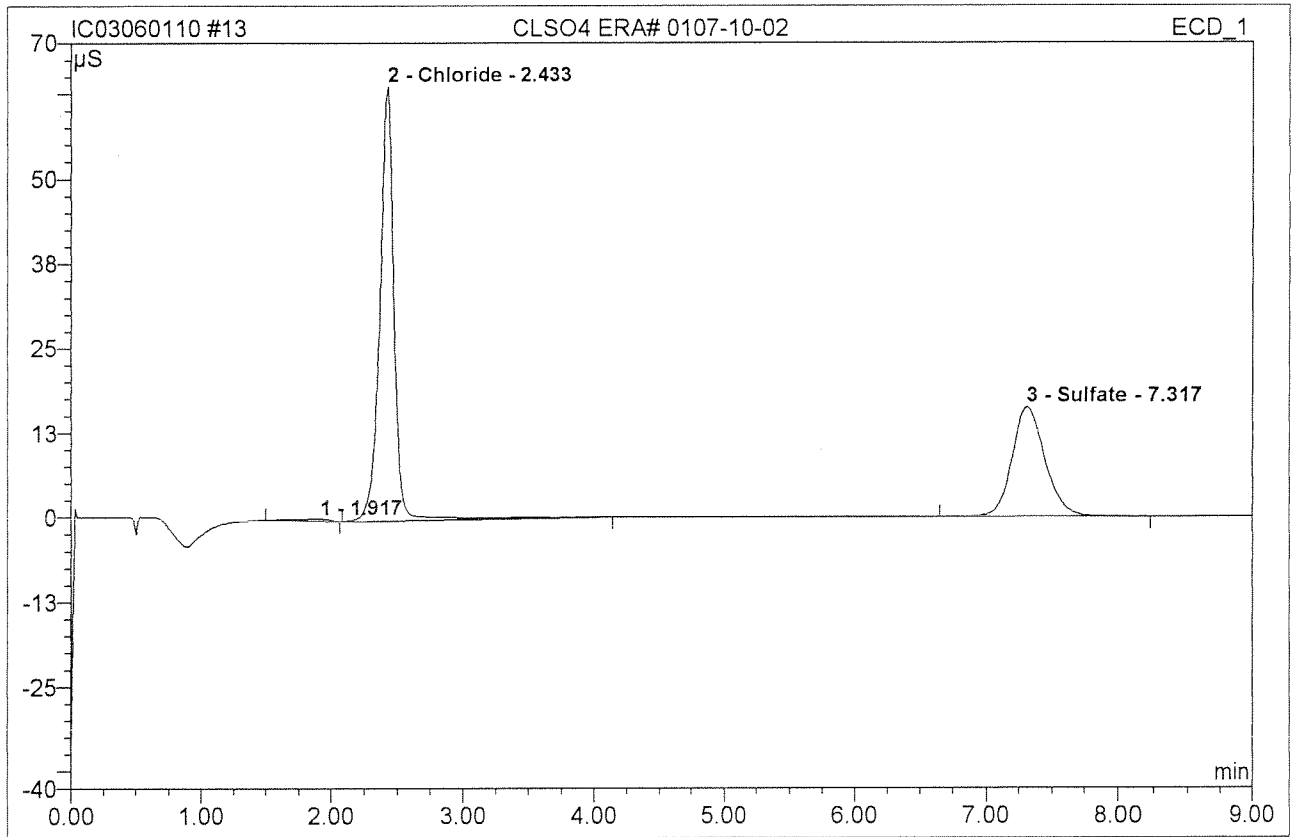


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.43	Chloride	63.728	7.605	61.74	4.876 <sup>87</sup>	BMB*
2	7.32	Sulfate	16.252	4.713	38.26	4.789 <sup>62</sup>	BMB
<b>Total:</b>			79.980	12.318	100.00	9.666	

Anal: 

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<b>13 CLSO4 ERA# 0107-10-02</b>			
<b>CLSO4</b>			
Sample Name:	CLSO4 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:	6/1/2010 9:42	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

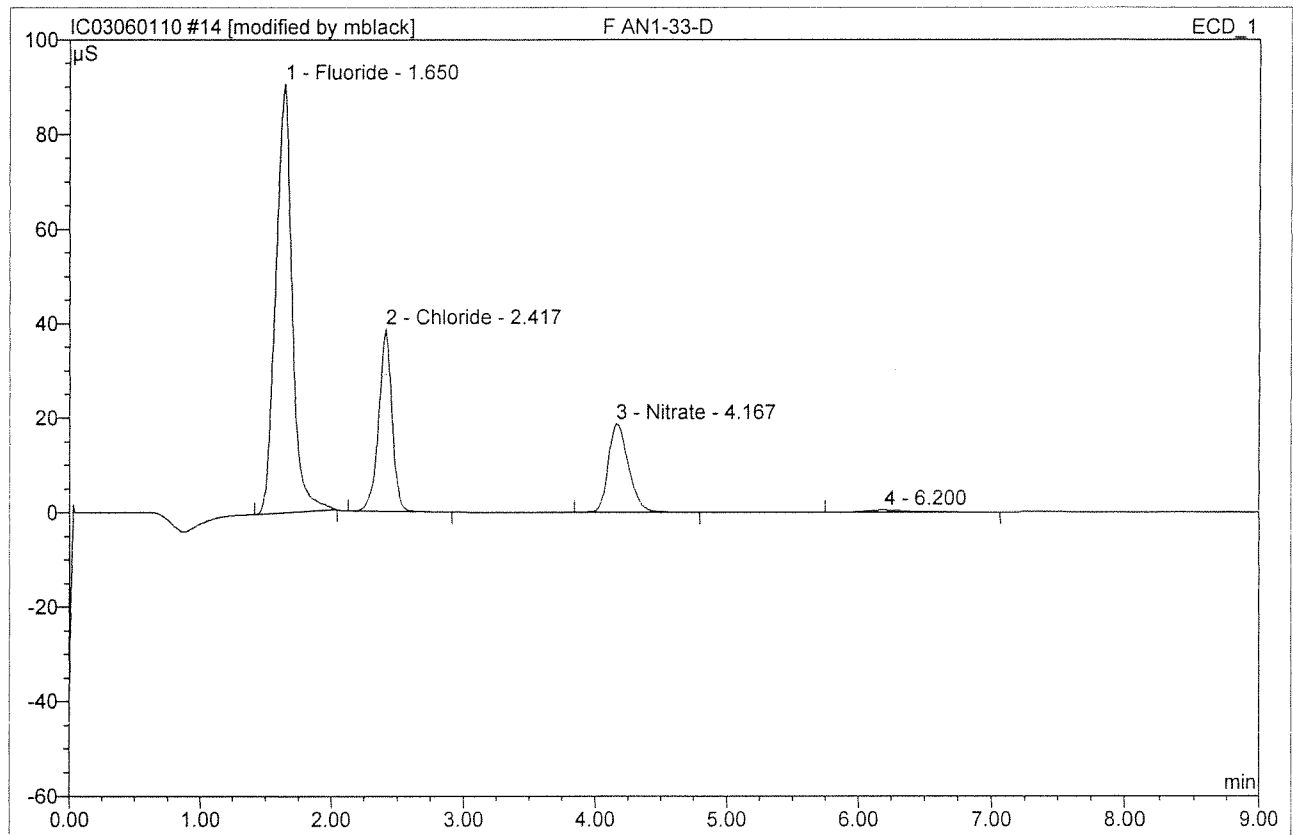


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.92	n.a.	0.355	0.114	0.88	n.a.	BMB
2	2.43	Chloride	64.055	8.066	62.56	5.172	BMB
3	7.32	Sulfate	16.252	4.713	36.55	4.789	BMB
<b>Total:</b>			80.662	12.893	100.00	9.961	

Before

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<b>14 F AN1-33-D</b>			
<b>F</b>			
Sample Name:	F AN1-33-D	Injection Volume:	200.0
Vial Number:	13	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 9:53	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



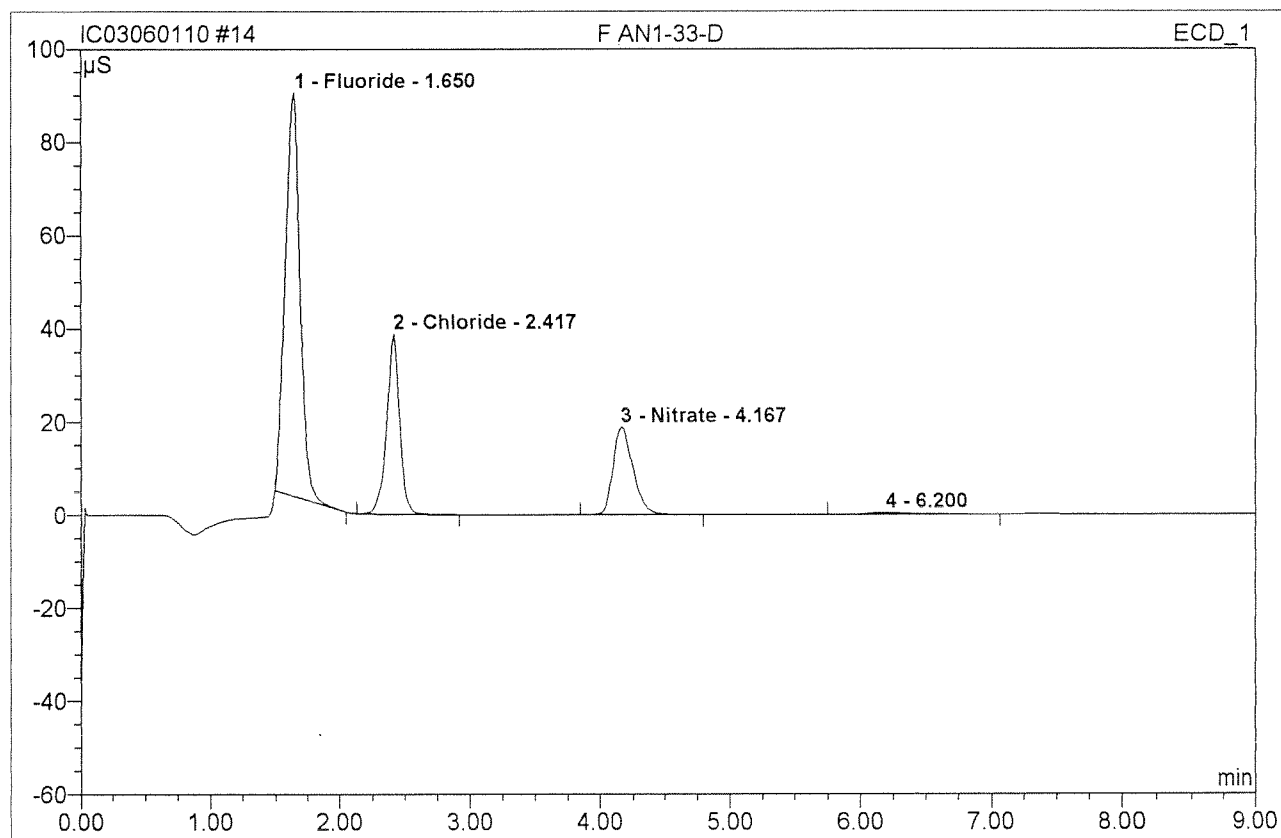
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.65	Fluoride	90.639	13.100	62.15	13.693162%	BMB*
2	2.42	Chloride	38.636	4.458	21.15	5.717	BMB
3	4.17	Nitrate	18.790	3.334	15.82	1.810	BMB
4	6.20	n.a.	0.489	0.187	0.89	n.a.	BMB
<b>Total:</b>			148.554	21.078	100.00	21.219	

MB  
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**14 F AN1-33-D****F**

Sample Name:	F AN1-33-D	Injection Volume:	200.0
Vial Number:	13	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	6/1/2010 9:53	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	1.65	Fluoride	86.615	11.478	58.99	11.998	BMB
2	2.42	Chloride	38.636	4.458	22.91	5.717	BMB
3	4.17	Nitrate	18.790	3.334	17.13	1.810	BMB
4	6.20	n.a.	0.489	0.187	0.96	n.a.	BMB
<b>Total:</b>			144.530	19.457	100.00	19.525	

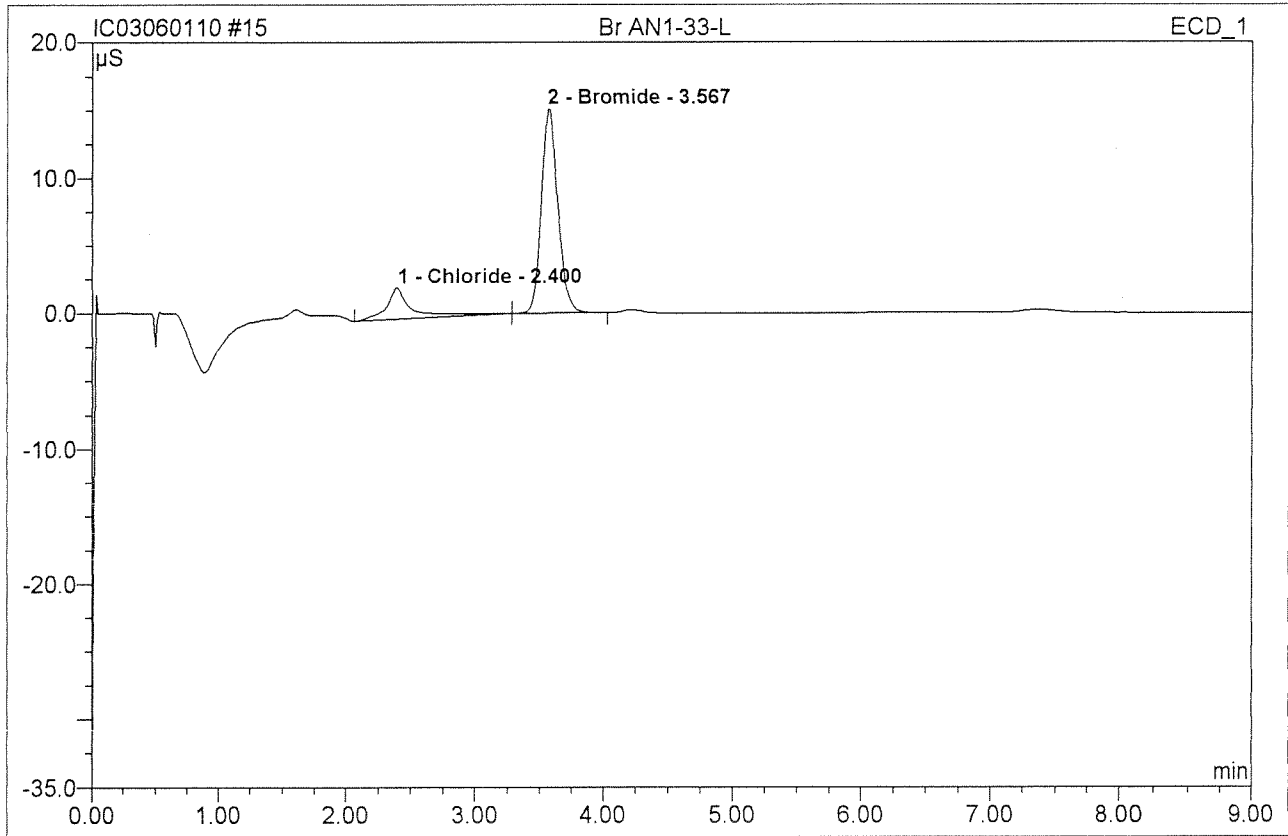
Before

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**15 Br AN1-33-L**

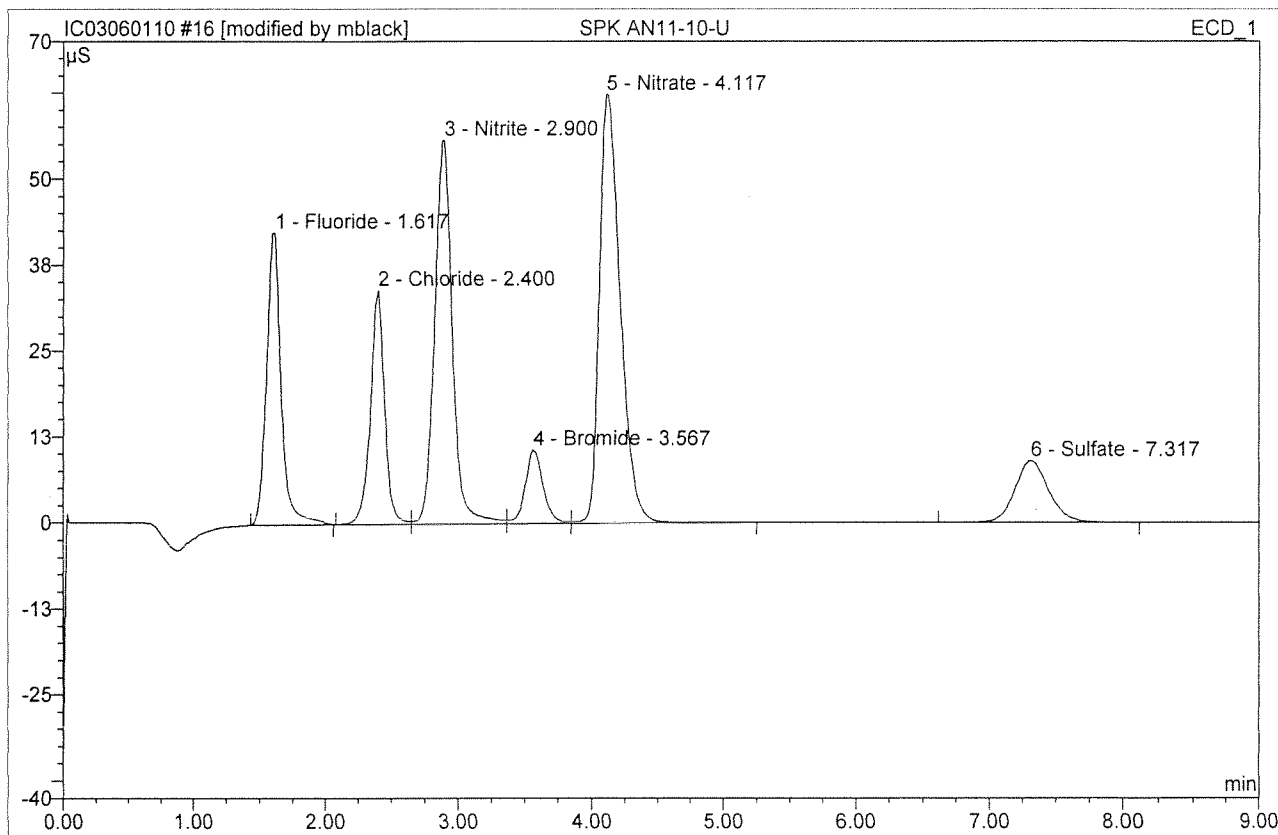
**Br**

Sample Name:	Br AN1-33-L	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:	6/1/2010 10:05	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	2.40	Chloride	2.311	0.543	19.22	0.348	BMB
2	3.57	Bromide	15.113	2.284	80.78	4.2621572	bMB
<b>Total:</b>			17.424	2.827	100.00	4.610	

<b>16 SPK AN11-10-U</b>			
<b>SPK</b>			
Sample Name:	SPK AN11-10-U	Injection Volume:	200.0
Vial Number:	16	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 10:16	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



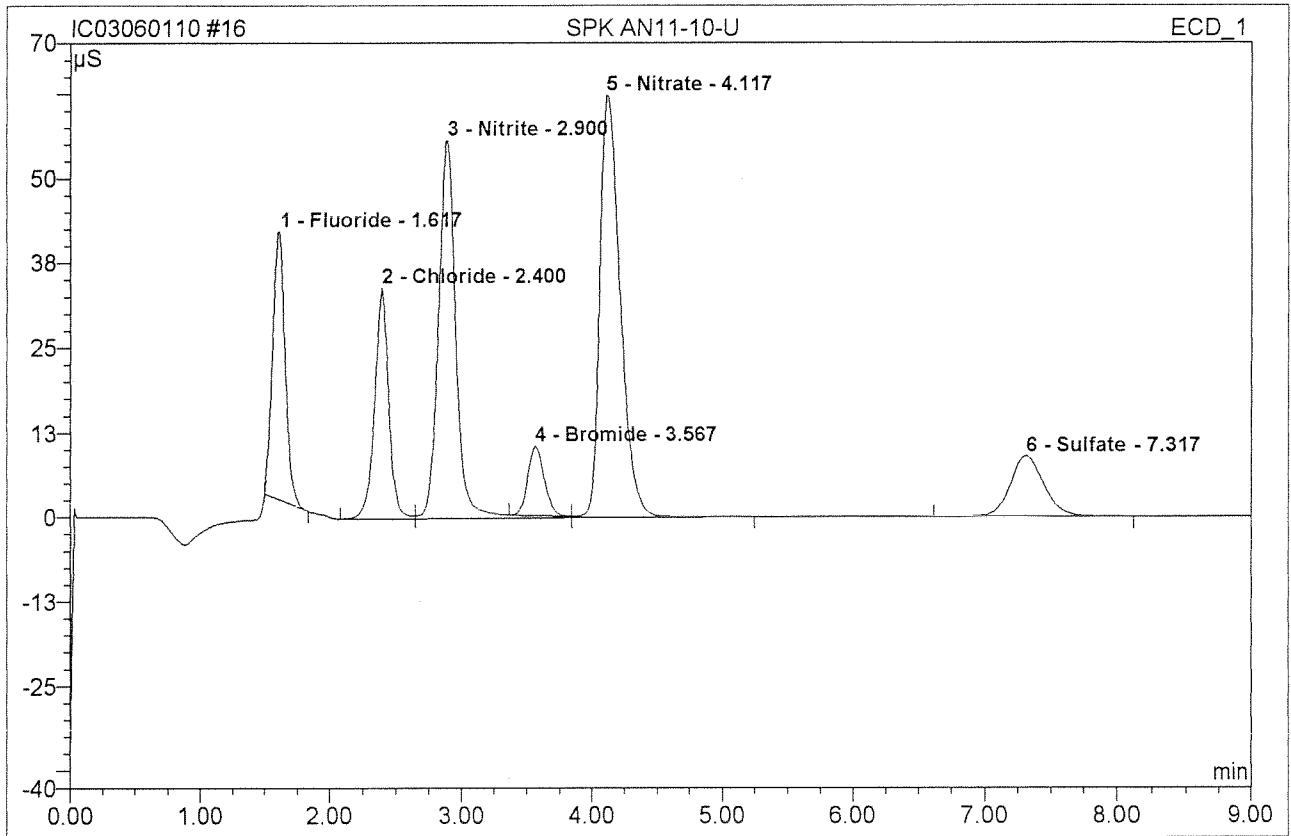
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.62	Fluoride	42.465	5.434	16.05	2.840	BMB*
2	2.40	Chloride	34.050	4.218	12.46	2.705	BM
3	2.90	Nitrite	55.811	8.552	25.27	2.962	M *
4	3.57	Bromide	10.686	1.680	4.96	3.135	M *
5	4.12	Nitrate	62.290	11.320	33.44	3.073	MB
6	7.32	Sulfate	8.986	2.643	7.81	2.686	BMB
<b>Total:</b>			214.288	33.848	100.00	17.401	

TV 23-00

MB

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<b>16 SPK AN11-10-U</b>			
<b>SPK</b>			
Sample Name:	SPK AN11-10-U	Injection Volume:	200.0
Vial Number:	16	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 10:16	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

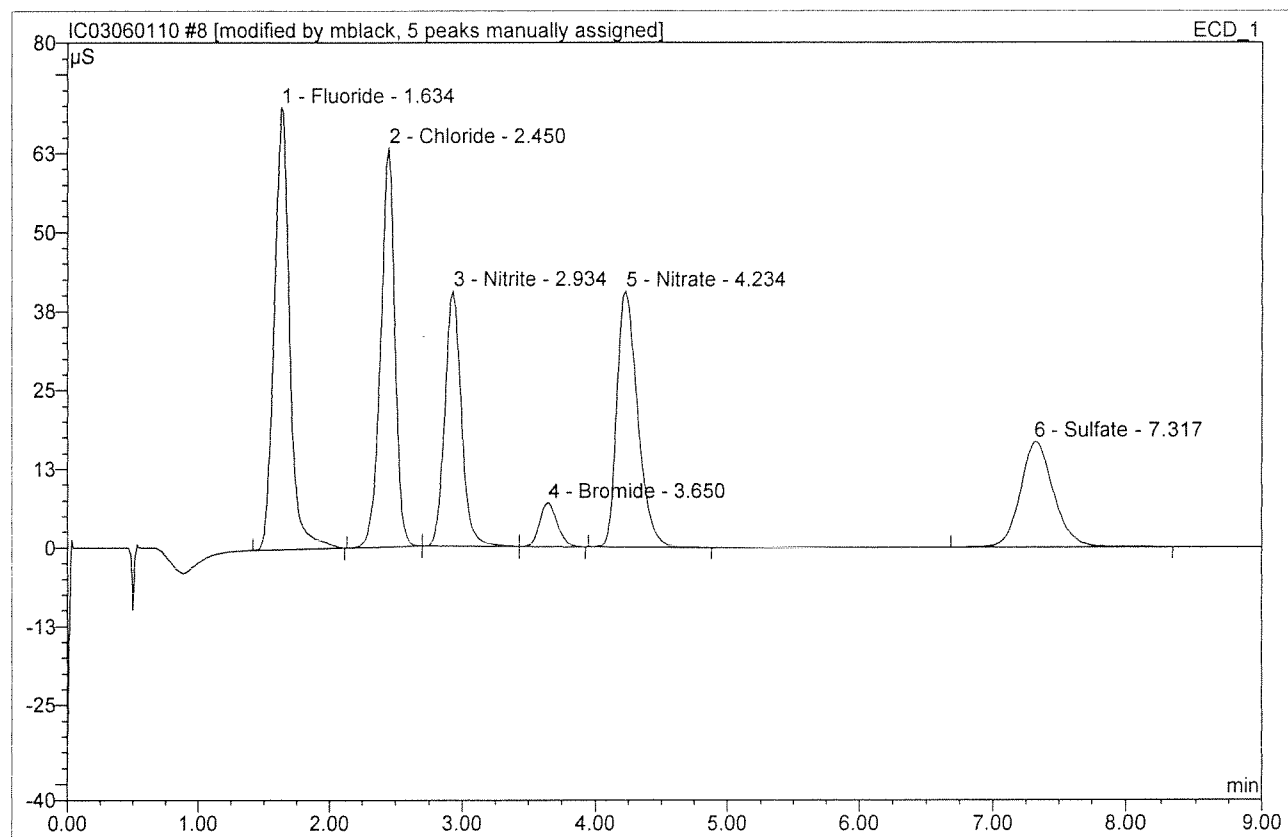


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.62	Fluoride	39.568	4.392	13.39	2.295	BMB
2	2.40	Chloride	34.050	4.218	12.86	2.705	BM
3	2.90	Nitrite	55.811	8.716	26.57	3.019	M
4	3.57	Bromide	10.324	1.516	4.62	2.828	Rd
5	4.12	Nitrate	62.290	11.320	34.51	3.073	MB
6	7.32	Sulfate	8.986	2.643	8.06	2.686	BMB
<b>Total:</b>			211.029	32.805	100.00	16.606	

Before

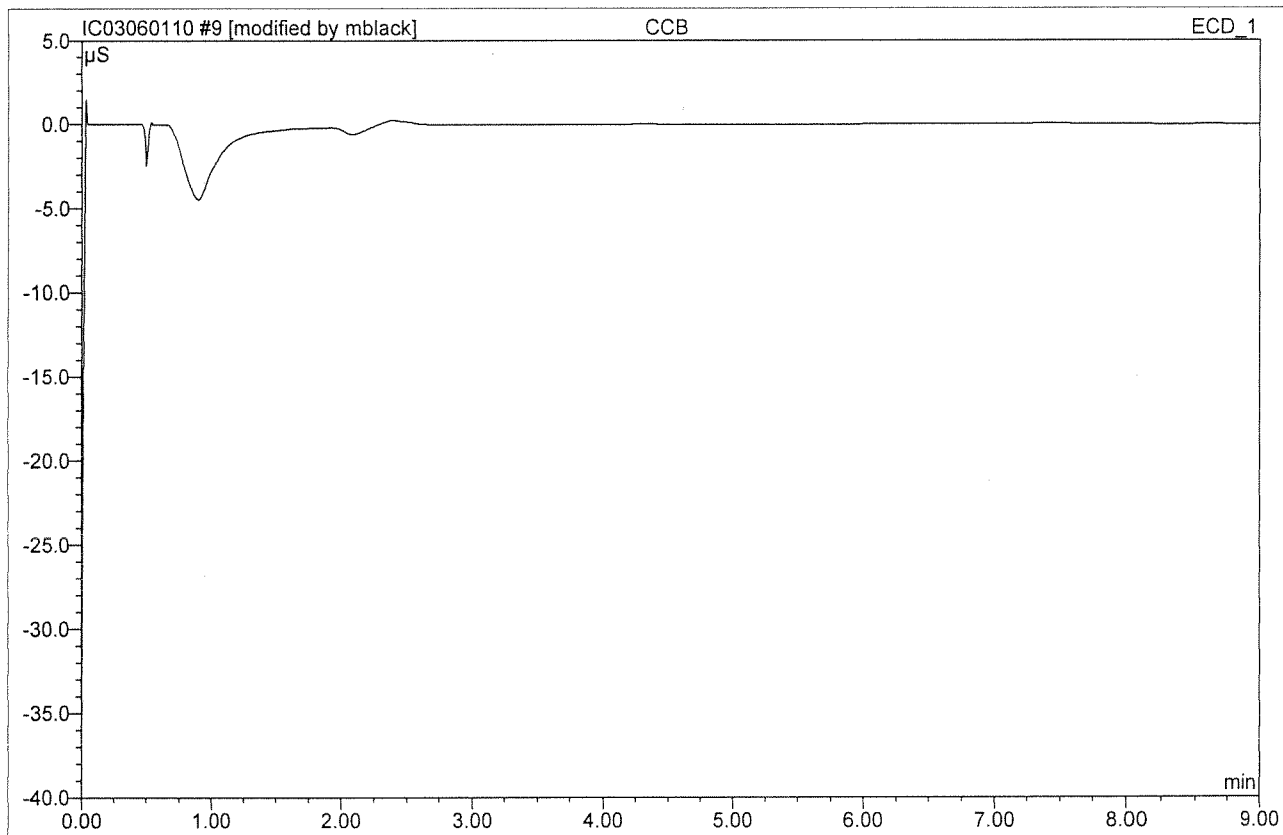
JUN 01 2010

<b>8 CCV AN11-20-P</b>			
<b>CCV1</b>			
Sample Name:	CCV AN11-20-P	Injection Volume:	200.0
Vial Number:	8	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 8:44	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.63	Fluoride	70.014	9.591	26.25	5.013/100?	BMB*
2	2.45	Chloride	63.293	7.781	21.30	4.989/100?	BMB^
3	2.93	Nitrite	40.481	5.815	15.92	2.014/100?	bMB^
4	3.65	Bromide	7.004	1.067	2.92	1.991/100?	bMB^
5	4.23	Nitrate	40.596	7.368	20.17	2.000/100?	BMB^
6	7.32	Sulfate	16.764	4.913	13.45	4.992/100?	BMB^
<b>Total:</b>			238.153	36.535	100.00	20.999	

<b>9 CCB</b>			
<b>CCB1</b>			
Sample Name:	CCB	Injection Volume:	200.0
Vial Number:	9	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 8:56	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



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

Alt  
mblack

MS

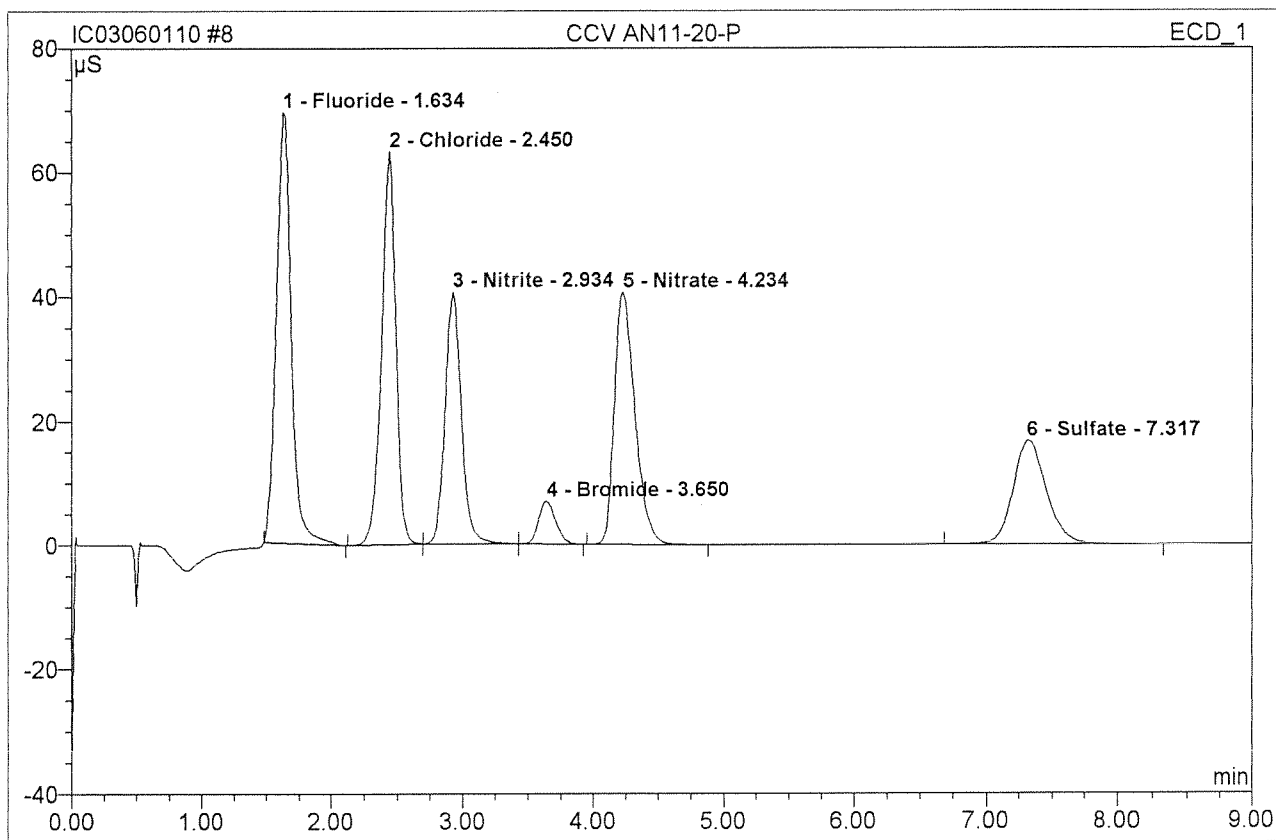
JUN 01 2010

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### 8 CCV AN11-20-P

#### CCV1

Sample Name:	CCV AN11-20-P	Injection Volume:	200.0
Vial Number:	8	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 8:44	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



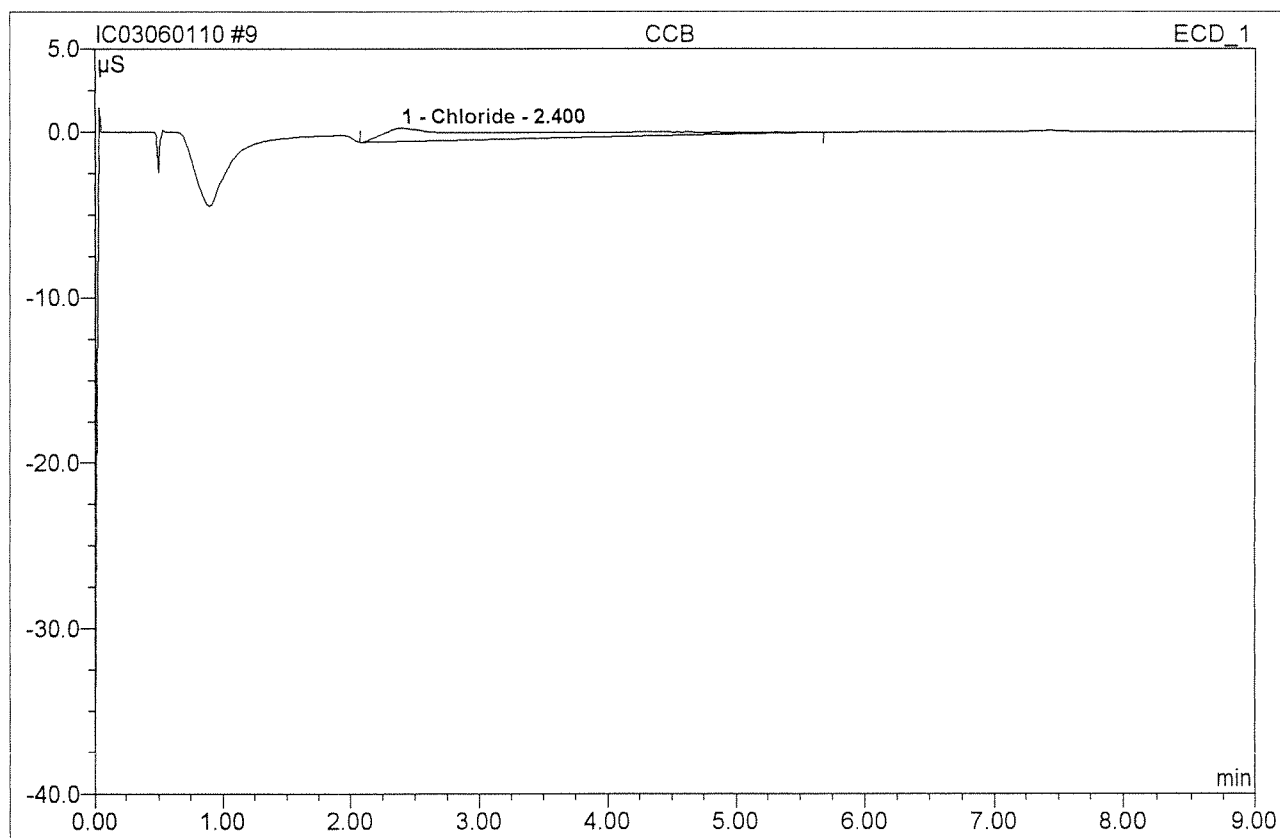
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.63	Fluoride	69.297	9.280	25.62	4.850	BMB
2	2.45	Chloride	63.293	7.781	21.48	4.989	BMb
3	2.93	Nitrite	40.481	5.815	16.05	2.014	bMb
4	3.65	Bromide	7.004	1.067	2.94	1.991	bMB
5	4.23	Nitrate	40.596	7.368	20.34	2.000	BMB
6	7.32	Sulfate	16.764	4.913	13.56	4.992	BMB
<b>Total:</b>			237.436	36.223	100.00	20.836	

before

JUN 01 2010

**9 CCB****CCB1**

Sample Name:	CCB	Injection Volume:	200.0
Vial Number:	9	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 8:56	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



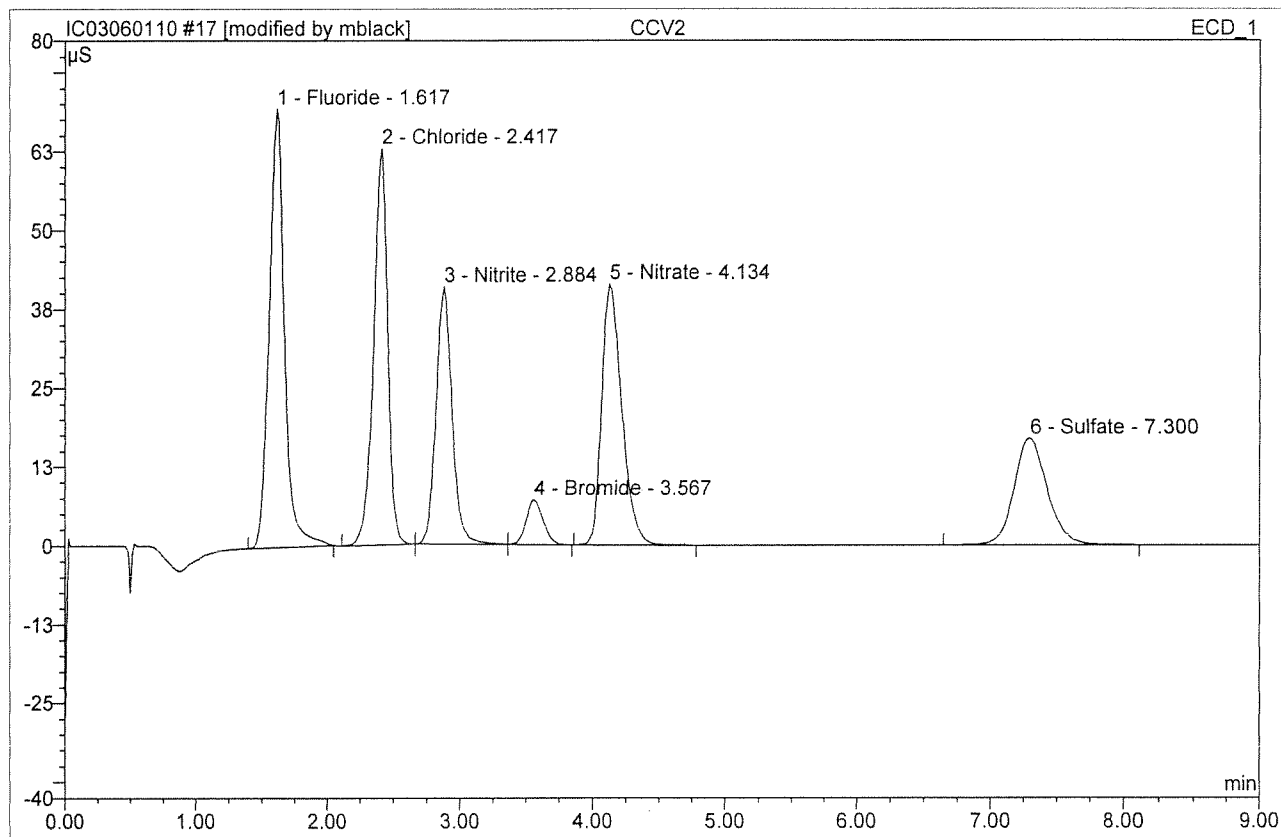
No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	2.40	Chloride	0.790	1.048	100.00	0.672	BMB
<b>Total:</b>			0.790	1.048	100.00	0.672	

Before

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<b>17 CCV2</b>			
<b>CCV2</b>			
Sample Name:	CCV2	Injection Volume:	200.0
Vial Number:	15	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 10:27	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



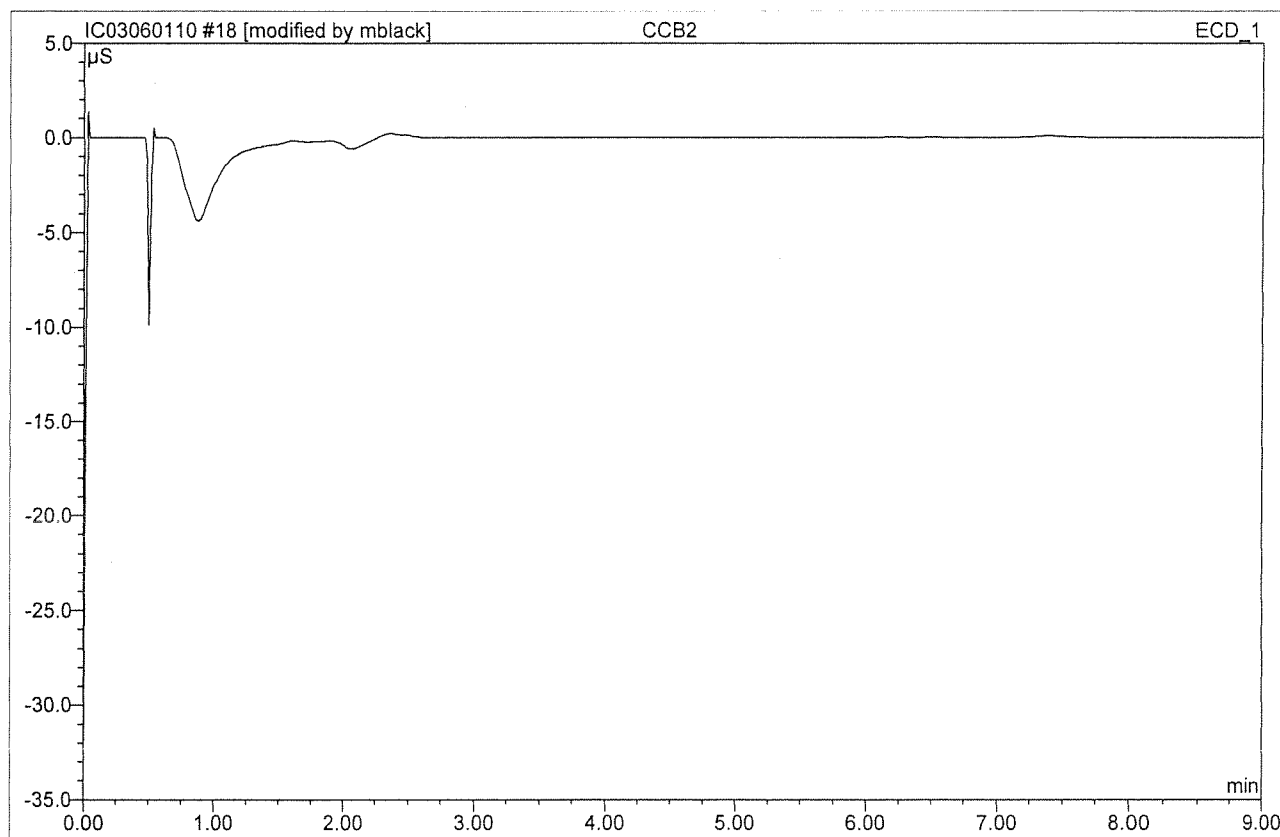
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.62	Fluoride	69.489	9.397	26.10	4.911 <sup>98%</sup>	BMB*
2	2.42	Chloride	62.788	7.636	21.20	4.896 <sup>98%</sup>	BMB
3	2.88	Nitrite	40.727	5.729	15.91	1.984 <sup>99%</sup>	bMB
4	3.57	Bromide	7.085	1.050	2.92	1.960 <sup>98%</sup>	bMB
5	4.13	Nitrate	41.392	7.303	20.28	1.982 <sup>99%</sup>	BMB
6	7.30	Sulfate	16.924	4.896	13.60	4.975 <sup>100%</sup>	BMB
<b>Total:</b>			238.407	36.011	100.00	20.709	

After Initial MB

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<b>18 CCB2</b>			
<b>CCB2</b>			
Sample Name:	CCB2	Injection Volume:	200.0
Vial Number:	16	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 10:39	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height $\mu$ S	Area $\mu$ S*min	Rel.Area %	Amount	Type
Total:			0.000	0.000	0.00	0.000	

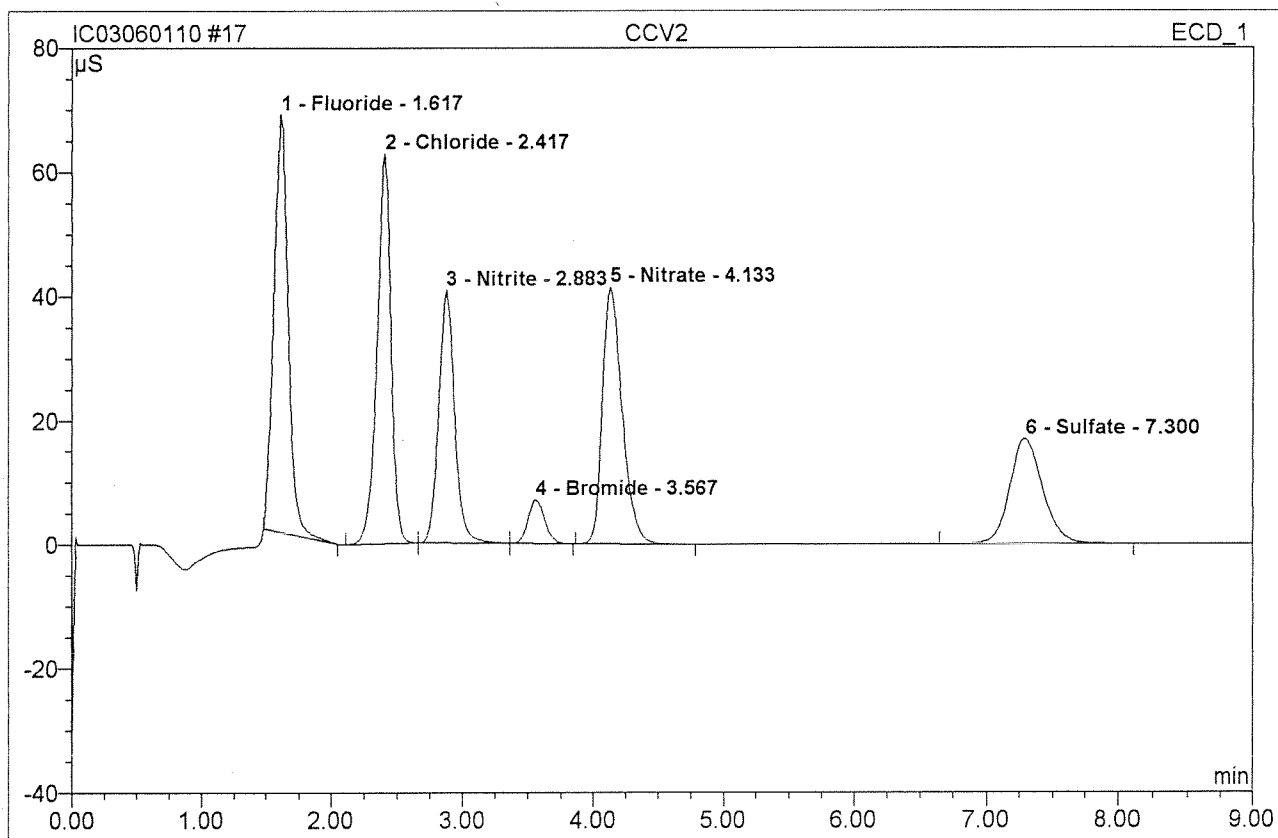
APB

JUN 01 2010

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**17 CCV2****CCV2**

Sample Name:	CCV2	Injection Volume:	200.0
Vial Number:	15	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 10:27	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.62	Fluoride	67.245	8.516	24.24	4.451	BMB
2	2.42	Chloride	62.788	7.636	21.74	4.896	BMb
3	2.88	Nitrite	40.727	5.729	16.31	1.984	bMb
4	3.57	Bromide	7.085	1.050	2.99	1.960	bMB
5	4.13	Nitrate	41.392	7.303	20.79	1.982	BMB
6	7.30	Sulfate	16.924	4.896	13.94	4.975	BMB
<b>Total:</b>			236.162	35.130	100.00	20.248	

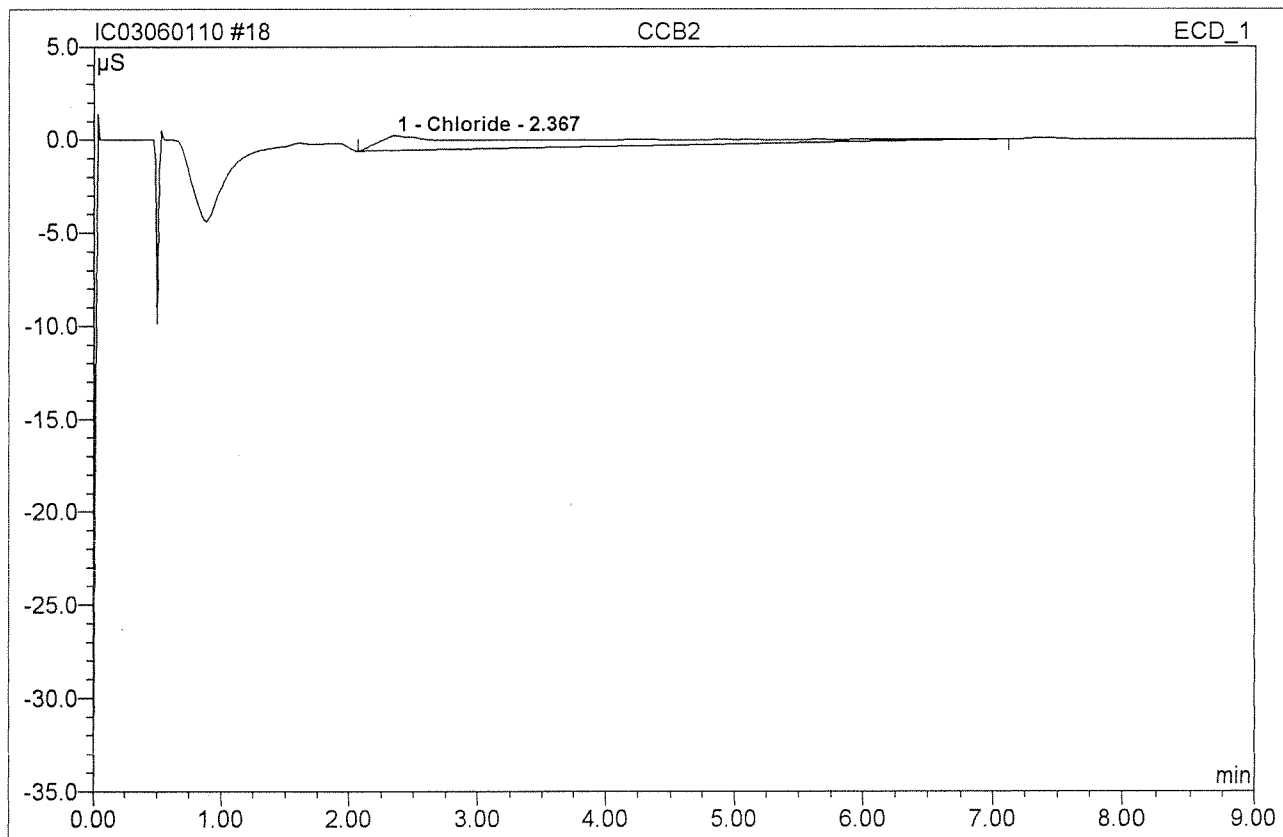
Before

JUN 01 2010

# 18 CCB2

## CCB2

Sample Name:	CCB2	Injection Volume:	200.0
Vial Number:	16	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 10:39	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

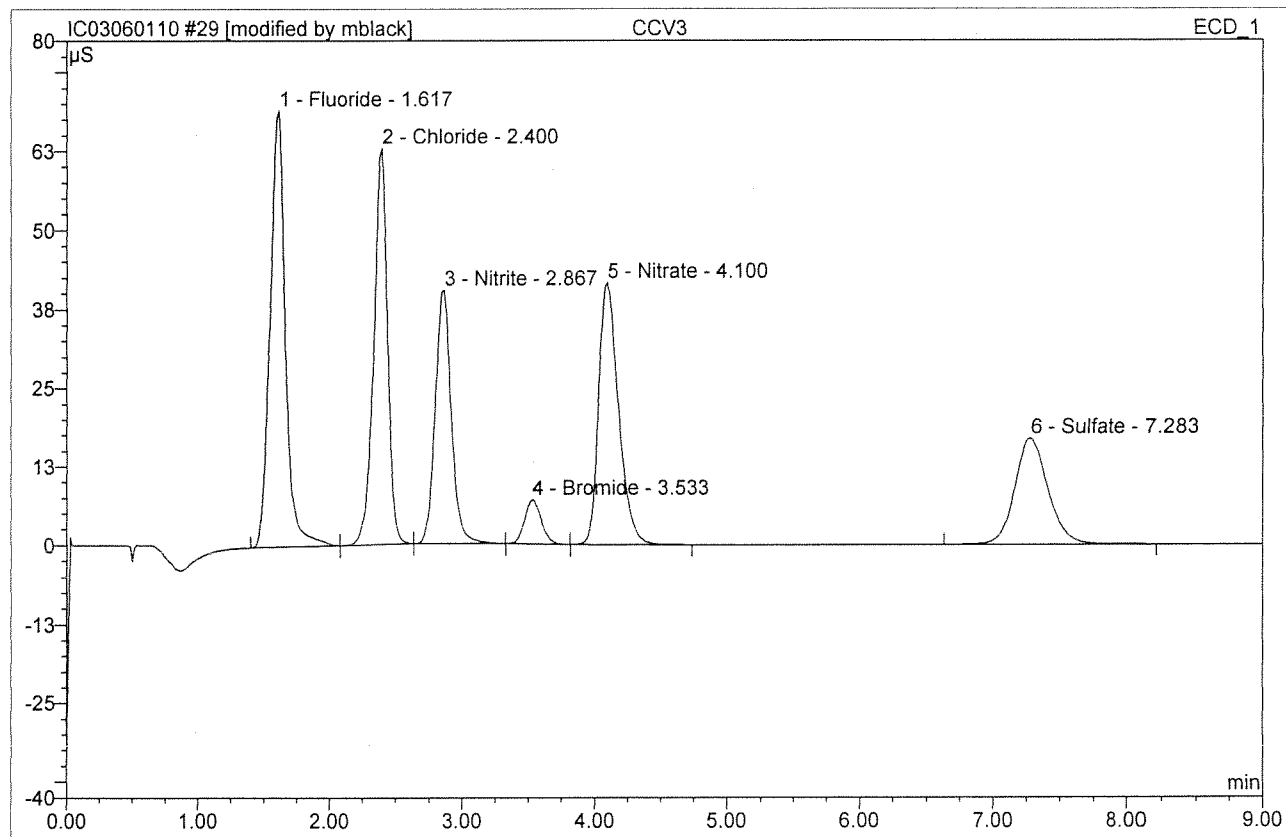


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	2.37	Chloride	0.784	1.482	100.00	0.950	BMB
<b>Total:</b>			0.784	1.482	100.00	0.950	

Before

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<b>29 CCV3</b>			
<b>CCV3</b>			
Sample Name:	CCV3	Injection Volume:	200.0
Vial Number:	27	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 14:26	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.62	Fluoride	69.247	9.362	26.15	4.893987	BMb*
2	2.40	Chloride	62.885	7.564	21.13	4.850972	bMb*
3	2.87	Nitrite	40.227	5.691	15.90	1.971492	bMb
4	3.53	Bromide	7.097	1.043	2.91	1.947982	bMb
5	4.10	Nitrate	41.600	7.281	20.34	1.976992	bMB
6	7.28	Sulfate	16.882	4.861	13.58	4.940992	BMB
<b>Total:</b>			237.937	35.802	100.00	20.577	

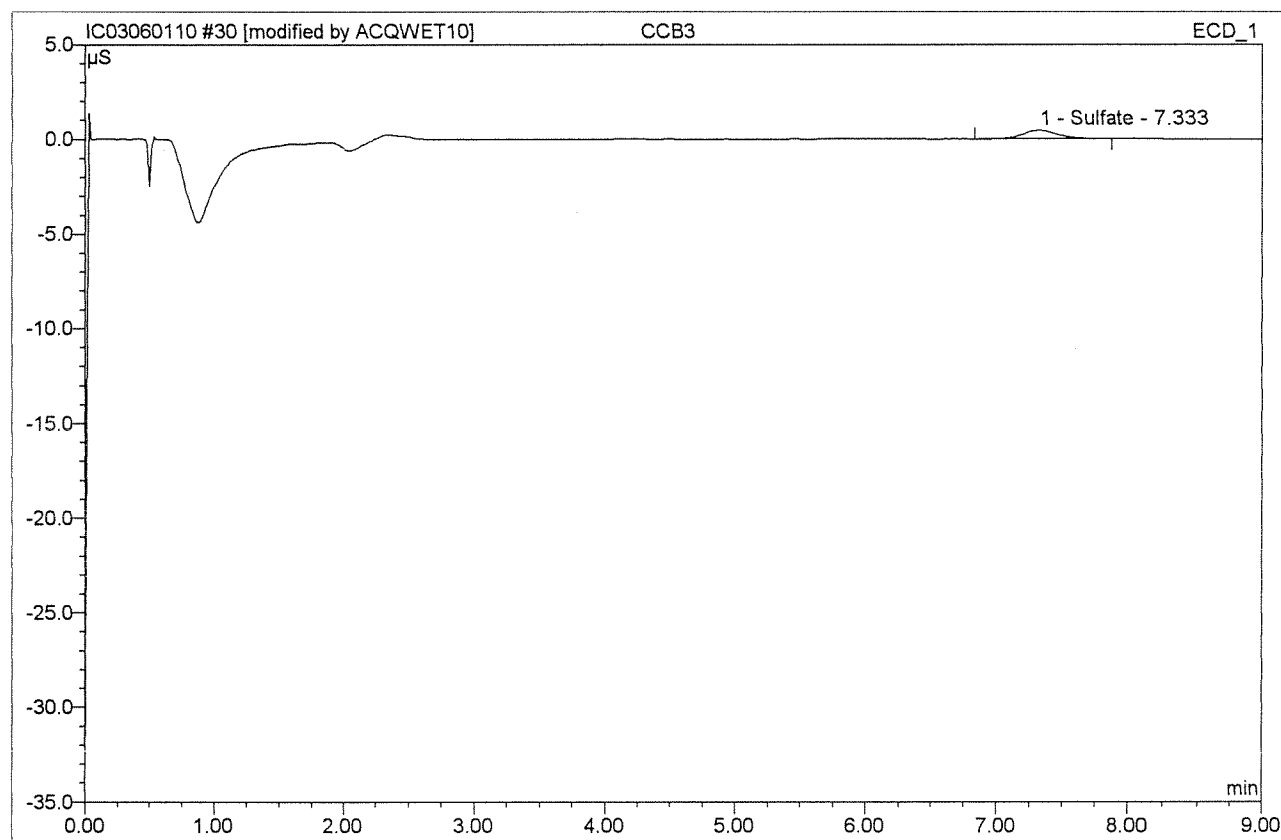
After Initials

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JUN 01 2010

*6/2/10*

<b>30 CCB3</b>			
<b>CCB3</b>			
Sample Name:	CCB3	Injection Volume:	200.0
Vial Number:	28	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 14:37	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	7.33	Sulfate 20.20	0.451	0.138	100.00	0.140	BMB
<b>Total:</b>			0.451	0.138	100.00	0.140	

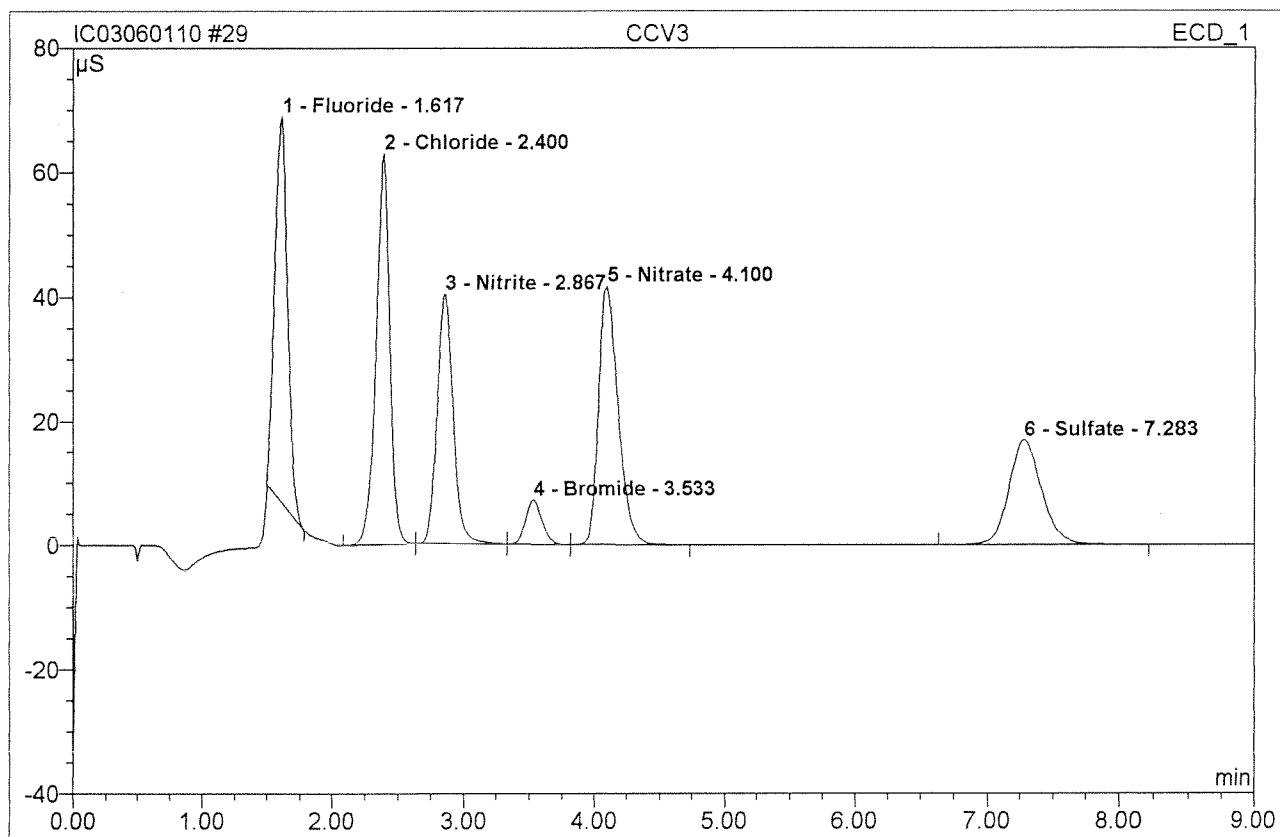
After initials MB

JUN 01 2010

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**29 CCV3****CCV3**

Sample Name:	CCV3	Injection Volume:	200.0
Vial Number:	27	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 14:26	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

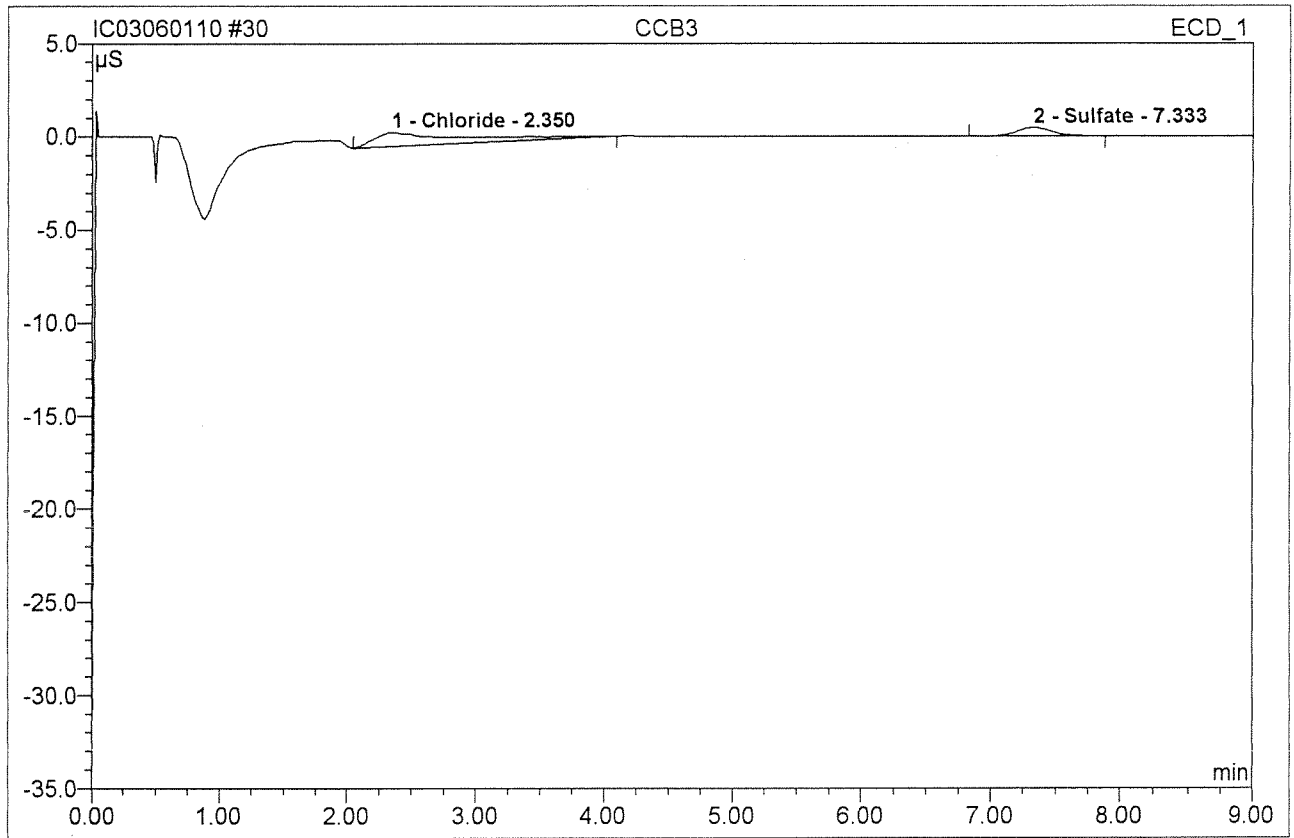


No.	Ret.Time min	Peak Name	Height $\mu\text{S}$	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.62	Fluoride	62.157	7.026	20.99	3.672	BMB
2	2.40	Chloride	62.885	7.564	22.60	4.850	BMB
3	2.87	Nitrite	40.227	5.691	17.00	1.971	bMb
4	3.53	Bromide	7.097	1.043	3.12	1.947	bMb
5	4.10	Nitrate	41.600	7.281	21.76	1.976	bMB
6	7.28	Sulfate	16.882	4.861	14.53	4.940	BMB
<b>Total:</b>			230.847	33.466	100.00	19.356	

Before

JUN 01 2010

<b>30 CCB3</b>			
<b>CCB3</b>			
Sample Name:	CCB3	Injection Volume:	200.0
Vial Number:	28	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 14:37	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



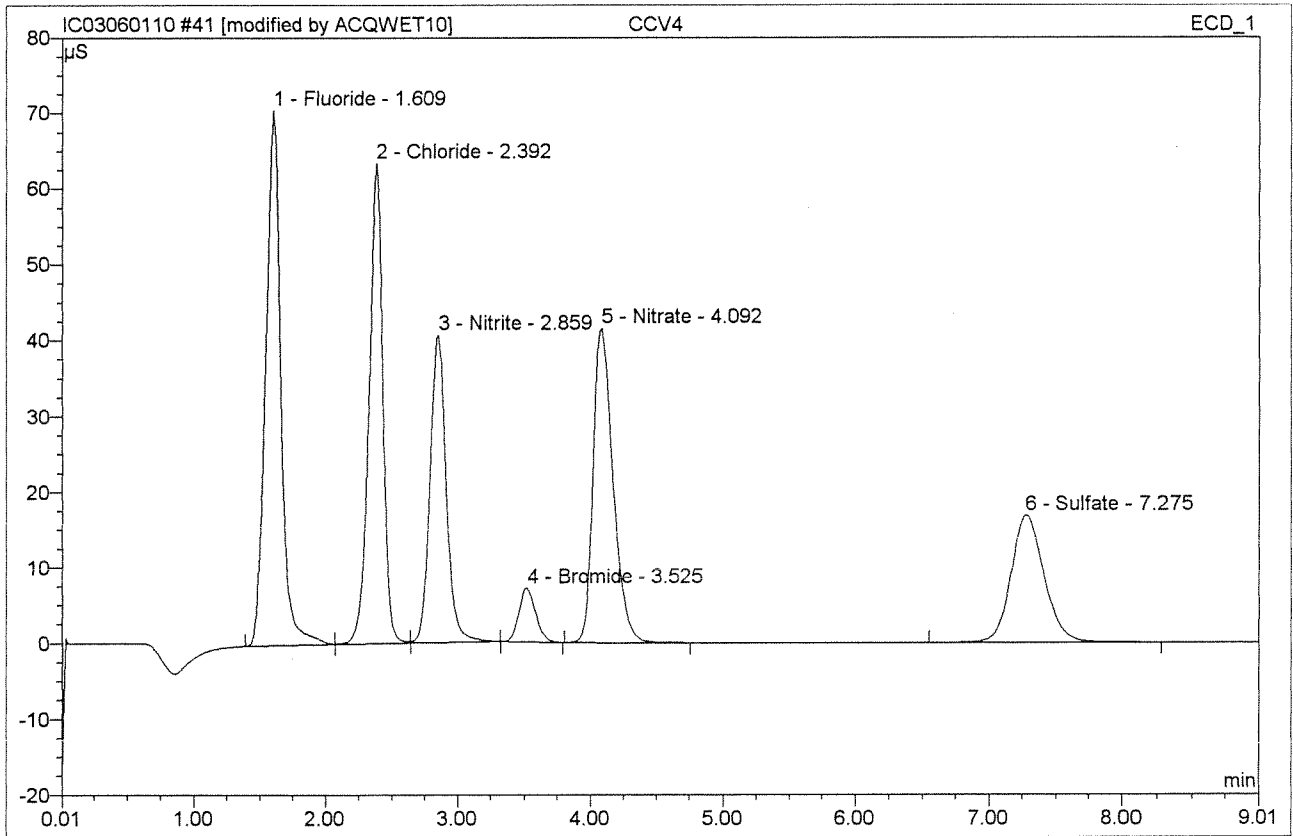
No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.35	Chloride	0.748	0.578	80.75	0.371	BMB
2	7.33	Sulfate	0.451	0.138	19.25	0.140	BMB
<b>Total:</b>			1.199	0.716	100.00	0.511	

Before

JUN 01 2010



<b>41 CCV4</b>			
<b>CCV4</b>			
Sample Name:	CCV4	Injection Volume:	200.0
Vial Number:	39	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 16:43	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

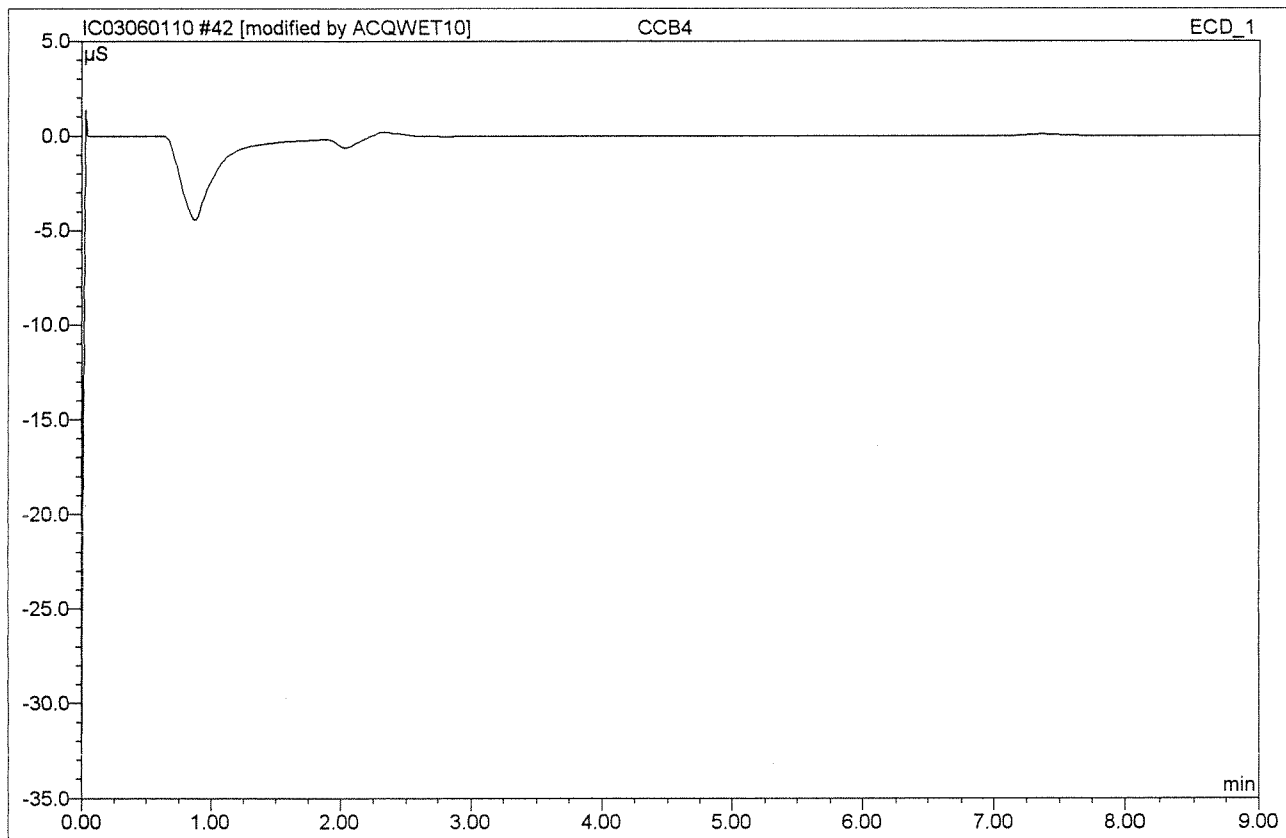


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.61	Fluoride	70.628	9.393	26.15	4.909 <sup>98%</sup>	BMB*
2	2.39	Chloride	63.399	7.640	21.27	4.899 <sup>98%</sup>	bM *
3	2.86	Nitrite	40.601	5.763	16.04	1.996 <sup>100%</sup>	Mb
4	3.53	Bromide	7.090	1.041	2.90	1.943 <sup>97%</sup>	bMB
5	4.09	Nitrate	41.479	7.242	20.16	1.966 <sup>97%</sup>	BMB
6	7.28	Sulfate	16.833	4.840	13.48	4.919 <sup>98%</sup>	BMB
<b>Total:</b>			240.030	35.920	100.00	20.632	

ADP  
JUN 01 2010  
*MB*

*JB* 6/2/10

<b>42 CCB4</b>			
<b>CCB4</b>			
Sample Name:	CCB4	Injection Volume:	200.0
Vial Number:	40	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 16:55	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



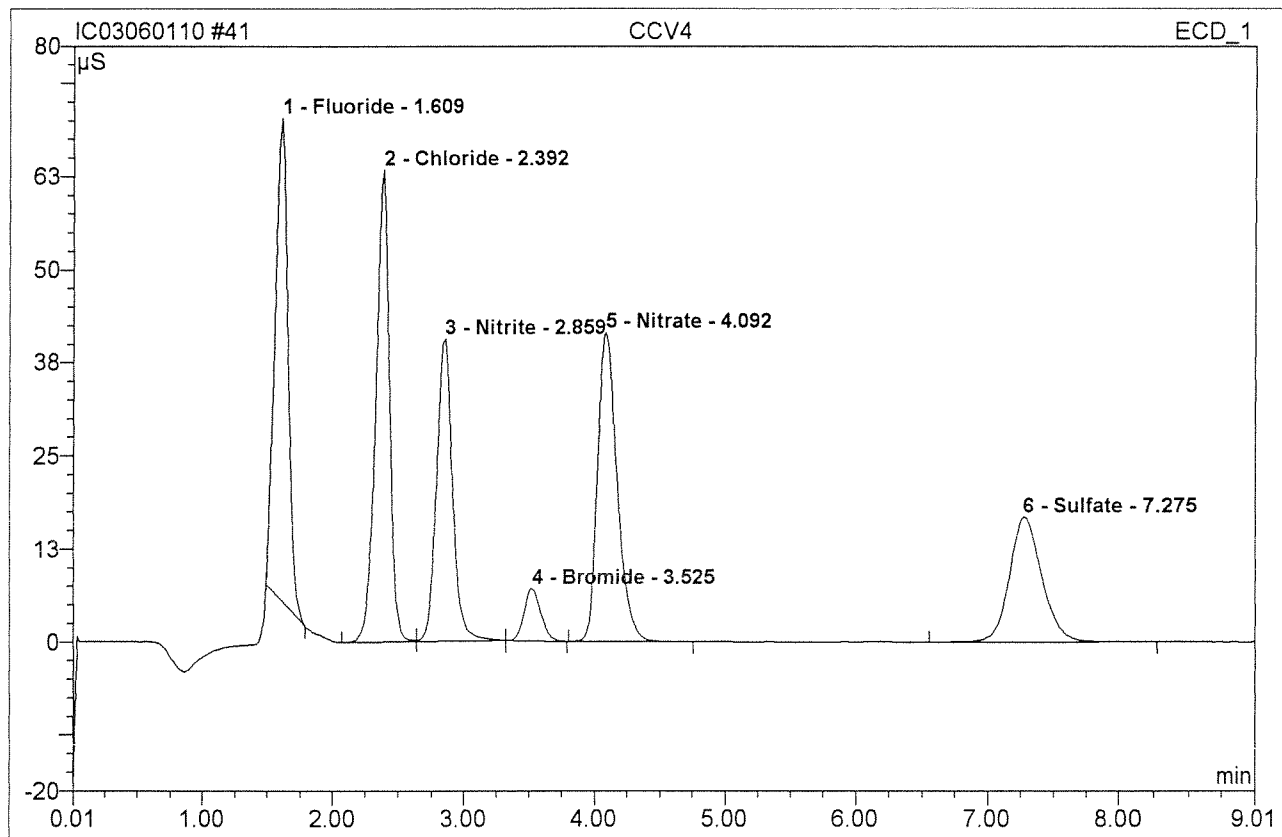
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
Total:			0.000	0.000	0.00	0.000	

Attn: Inlets *LB*

JUN 01 2010

*6/2/10*

<b>41 CCV4</b>			
<b>CCV4</b>			
Sample Name:	CCV4	Injection Volume:	200.0
Vial Number:	39	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 16:43	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

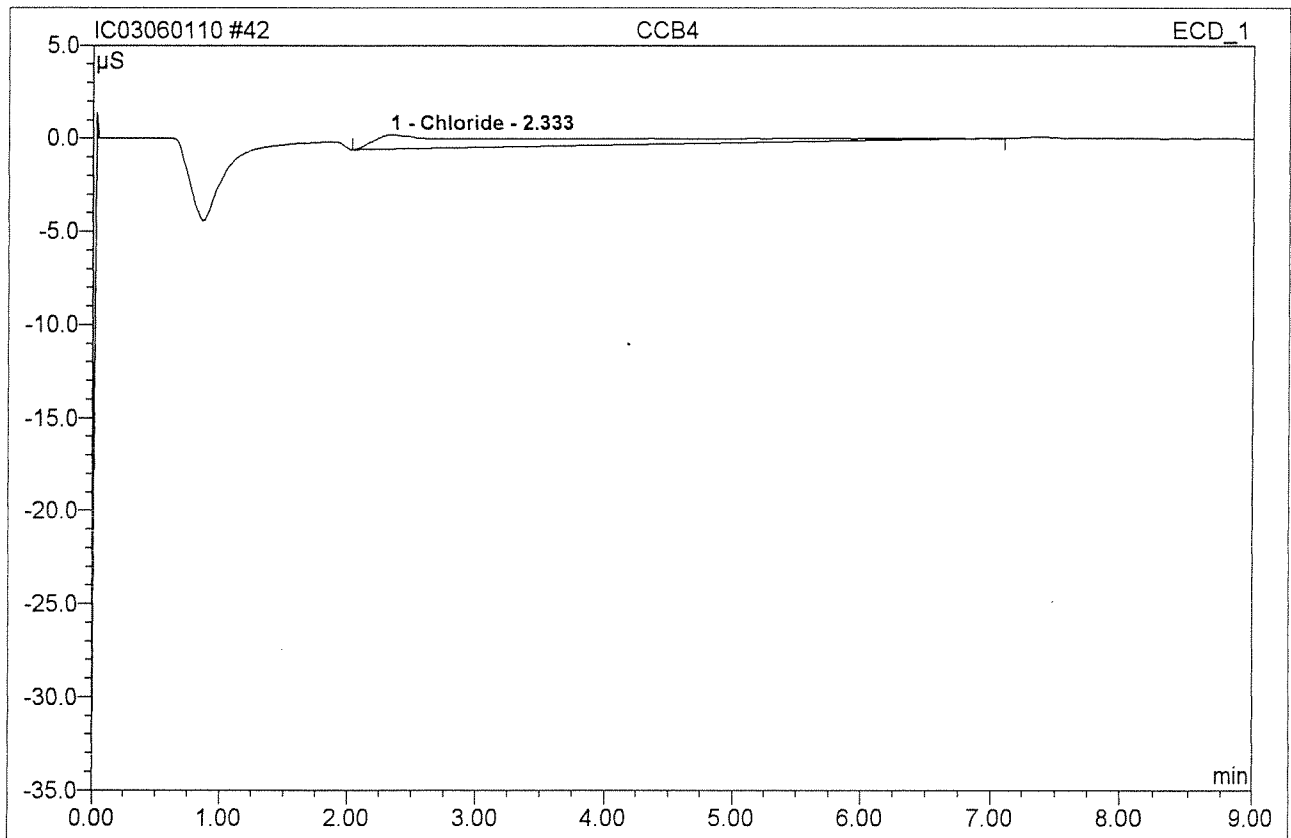


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.61	Fluoride	64.748	7.410	21.84	3.873	BMB
2	2.39	Chloride	63.399	7.640	22.51	4.899	BM
3	2.86	Nitrite	40.601	5.763	16.98	1.996	Mb
4	3.53	Bromide	7.090	1.041	3.07	1.943	bMB
5	4.09	Nitrate	41.479	7.242	21.34	1.966	BMB
6	7.28	Sulfate	16.833	4.840	14.26	4.919	BMB
<b>Total:</b>			234.150	33.937	100.00	19.596	

Before

JUN 01 2010

<b>42 CCB4</b>			
<b>CCB4</b>			
Sample Name:	CCB4	Injection Volume:	200.0
Vial Number:	40	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 16:55	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

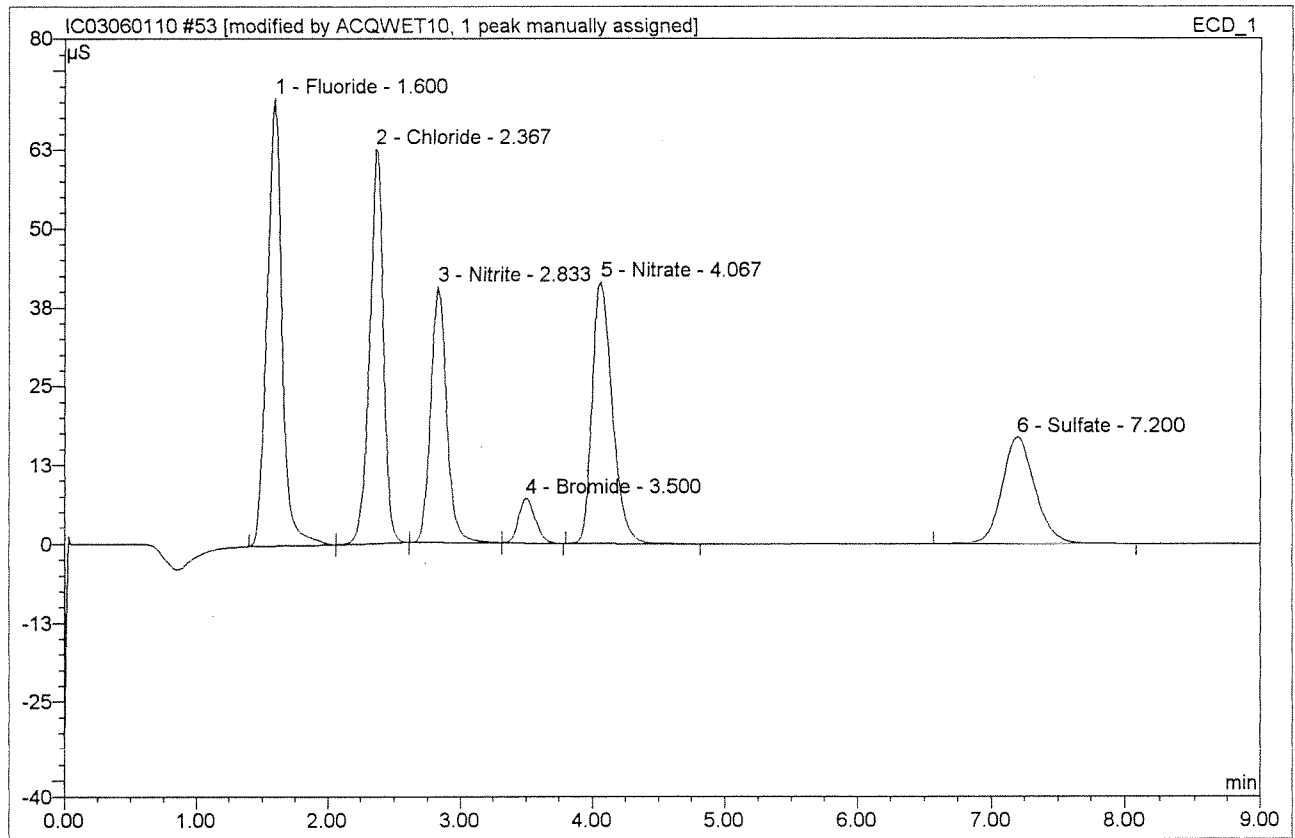


No.	Ret. Time min	Peak Name	Height µS	Area µS*min	Rel. Area %	Amount	Type
1	2.33	Chloride	0.788	1.516	100.00	0.972	BMB
<b>Total:</b>			0.788	1.516	100.00	0.972	

Before

JUN 01 2010

<b>53 CCV5</b>			
<b>CCV5</b>			
Sample Name:	CCV5	Injection Volume:	200.0
Vial Number:	51	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 19:01	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.60	Fluoride	70.911	9.402	26.30	4.914 <sup>98%</sup>	BMb*
2	2.37	Chloride	62.463	7.555	21.13	4.845 <sup>97%</sup>	bMb**
3	2.83	Nitrite	40.645	5.687	15.91	1.970 <sup>97%</sup>	bMb
4	3.50	Bromide	7.067	1.038	2.90	1.937 <sup>97%</sup>	bMB
5	4.07	Nitrate	41.515	7.260	20.31	1.971 <sup>99%</sup>	BMB
6	7.20	Sulfate	16.886	4.812	13.46	4.890 <sup>98%</sup>	BMB
<b>Total:</b>			239.487	35.755	100.00	20.526	

After Initials

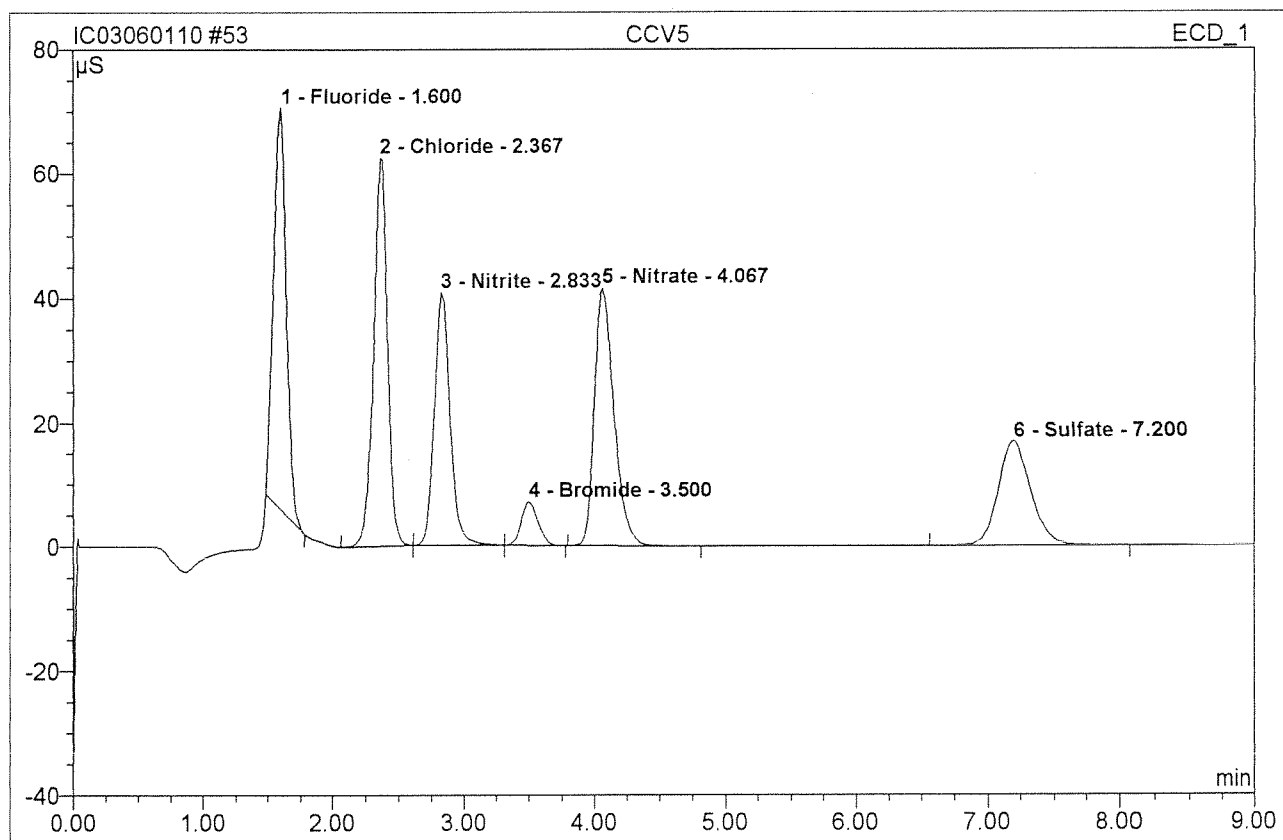
MB

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<b>53 CCV5</b>			
<b>CCV5</b>			
Sample Name:	CCV5	Injection Volume:	200.0
Vial Number:	51	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 19:01	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000

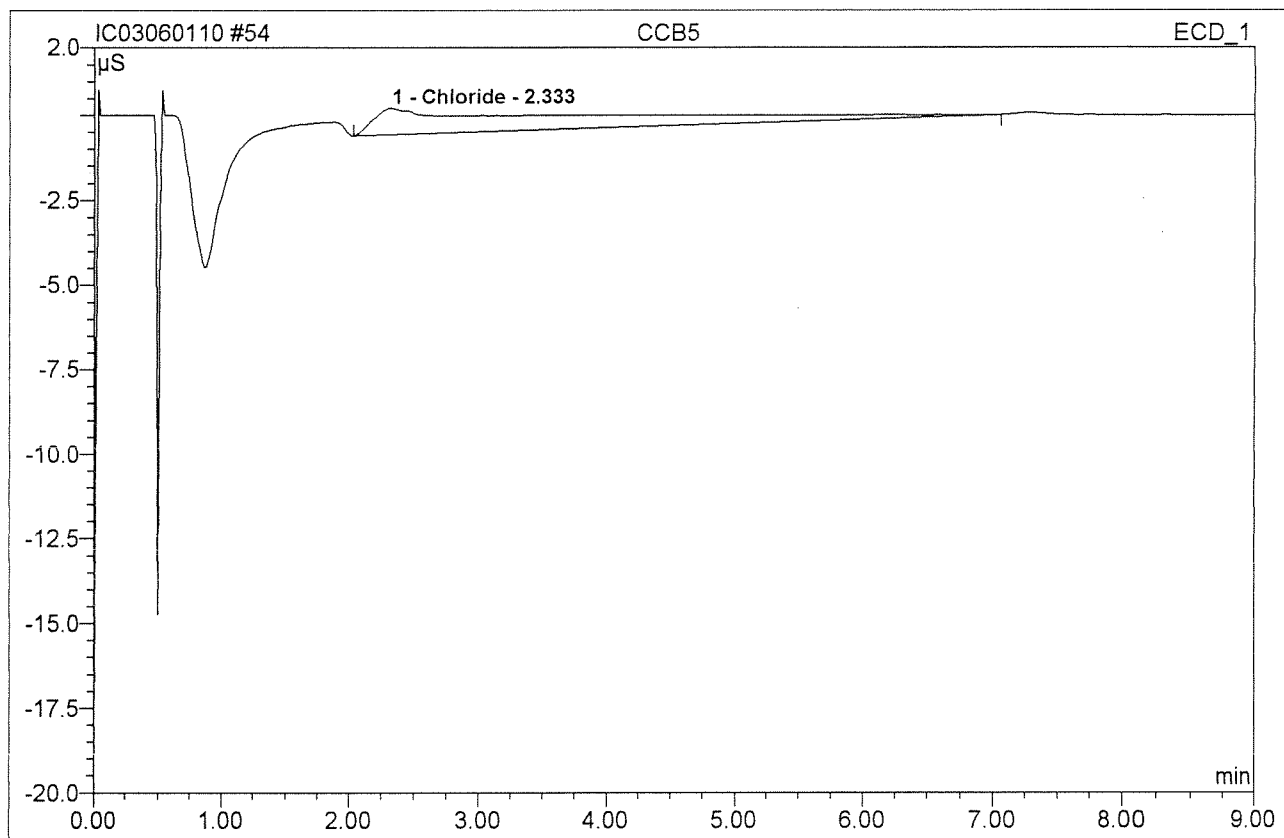


No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.60	Fluoride	64.630	7.326	21.75	3.829	BMB
2	2.37	Chloride	62.463	7.555	22.43	4.845	BMb
3	2.83	Nitrite	40.645	5.687	16.89	1.970	bMb
4	3.50	Bromide	7.067	1.038	3.08	1.937	bMB
5	4.07	Nitrate	41.515	7.260	21.56	1.971	BMB
6	7.20	Sulfate	16.886	4.812	14.29	4.890	BMB
<b>Total:</b>			233.206	33.679	100.00	19.441	

Before

JUN 01 2010

<b>54 CCB5</b>			
<b>CCB5</b>			
Sample Name:	CCB5	Injection Volume:	200.0
Vial Number:	52	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 19:12	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



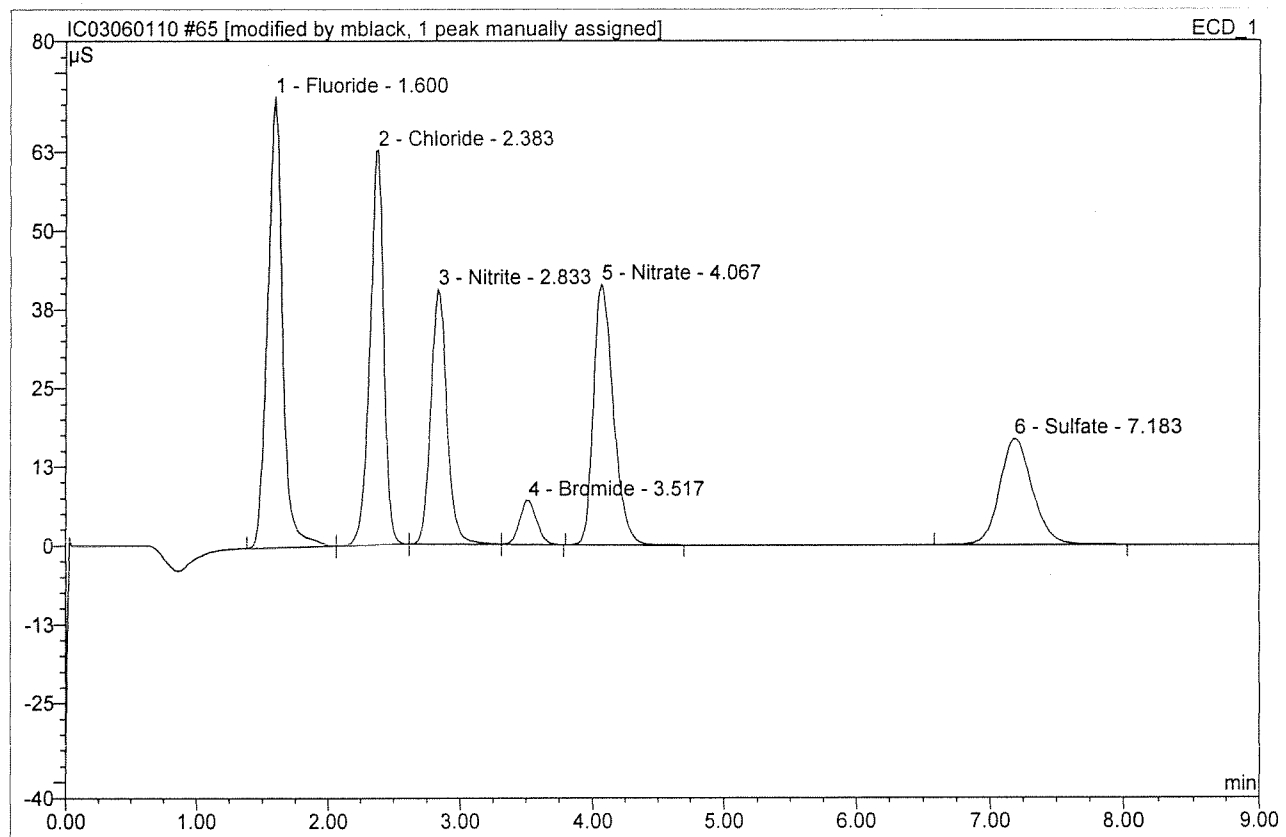
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	2.33	Chloride	0.786	1.506	100.00	0.966	BMB
<b>Total:</b>			0.786	1.506	100.00	0.966	

Before

JUN 01 2010



<b>65 CCV6</b>			
<b>CCV6</b>			
Sample Name:	CCV6	Injection Volume:	200.0
Vial Number:	63	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 21:32	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
1	1.60	Fluoride	71.494	9.431	26.33	4.929 <sup>99%</sup>	BMB*
2	2.38	Chloride	62.676	7.605	21.23	4.876 <sup>98%</sup>	bMb*^
3	2.83	Nitrite	40.511	5.684	15.87	1.969 <sup>99%</sup>	bMb
4	3.52	Bromide	7.027	1.040	2.90	1.941 <sup>97%</sup>	bMB
5	4.07	Nitrate	41.375	7.252	20.25	1.968 <sup>97%</sup>	BMB
6	7.18	Sulfate	16.940	4.806	13.42	4.884 <sup>98%</sup>	BMB
<b>Total:</b>			240.023	35.818	100.00	20.568	

After Initials LB

JUN 02 2010

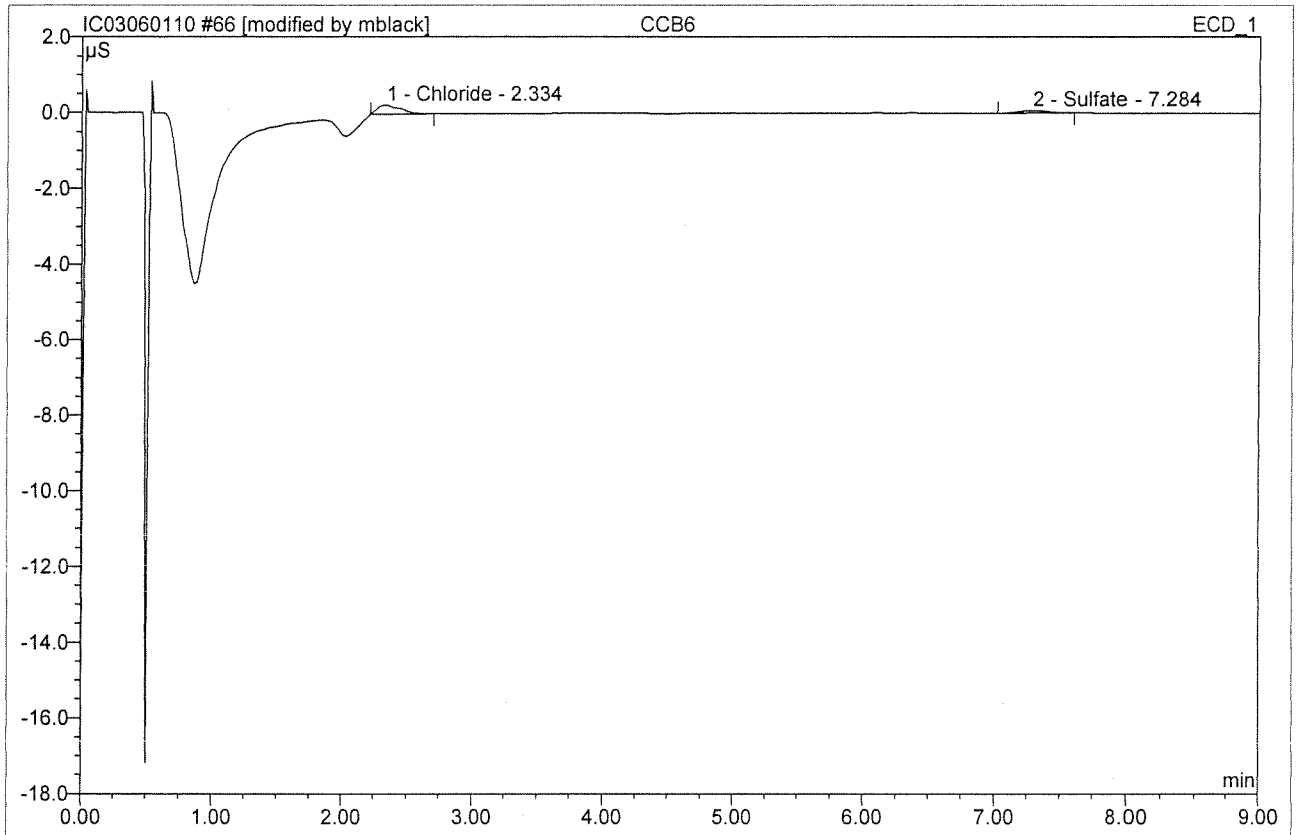
6/2/10

default/Integration

Wrong Peak/Peak not found  
 Integration error  
 Other

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SP1 Build 2238

<b>66 CCB6</b>			
<b>CCB6</b>			
Sample Name:	CCB6	Injection Volume:	200.0
Vial Number:	64	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 21:43	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	2.33	Chloride 20.20	0.242	0.050	74.17	0.032	BMB*
2	7.28	Sulfate 20.20	0.067	0.017	25.83	0.018	BMB*
<b>Total:</b>			0.309	0.067	100.00	0.050	

After Initials MB

JUN 02 2010

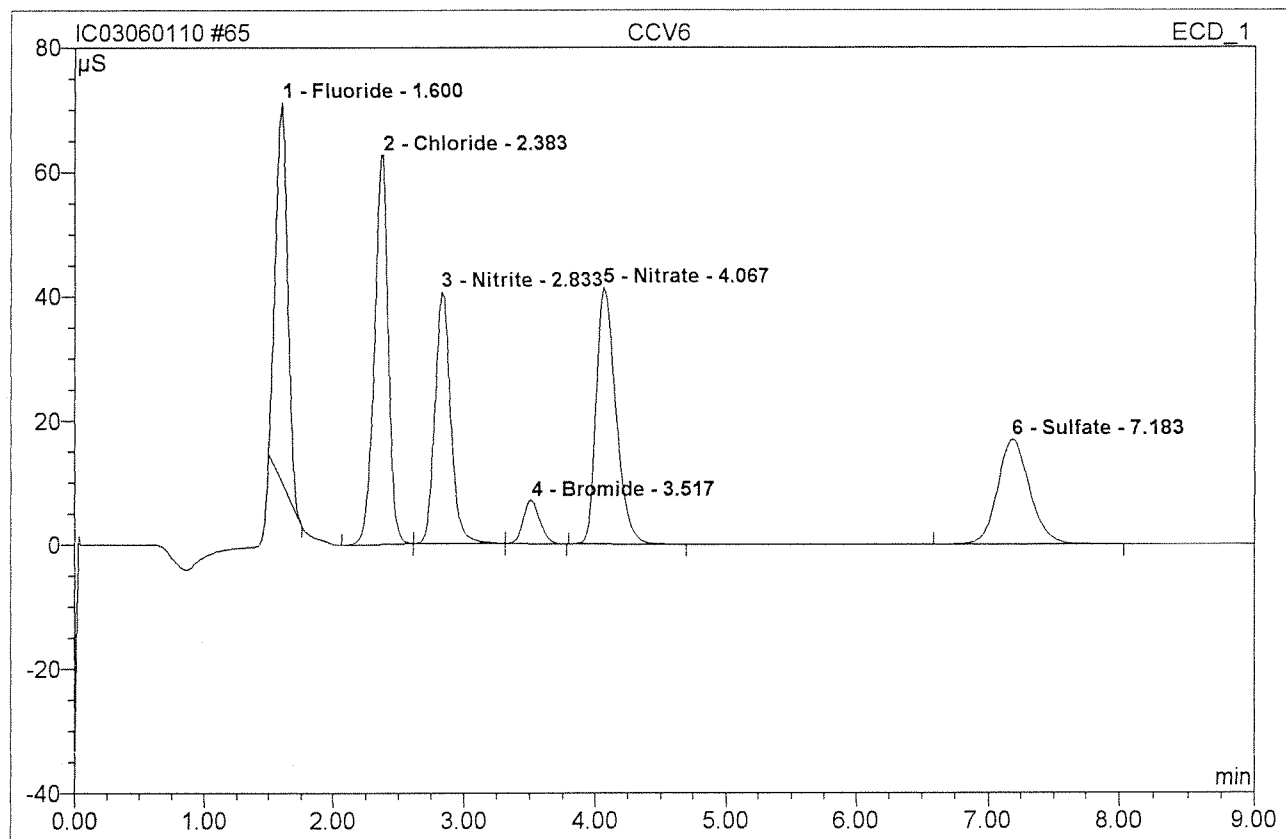
*Handwritten signature/initials*

default/Integration

Wrong Peak/Peak not Found  
 Parameters/units incorrect  
 Other

Chromeleon (c) Dionex 1996-2001  
Version 6.80 SP1 Build 2238

<b>65 CCV6</b>			
<b>CCV6</b>			
Sample Name:	CCV6	Injection Volume:	200.0
Vial Number:	63	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 21:32	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



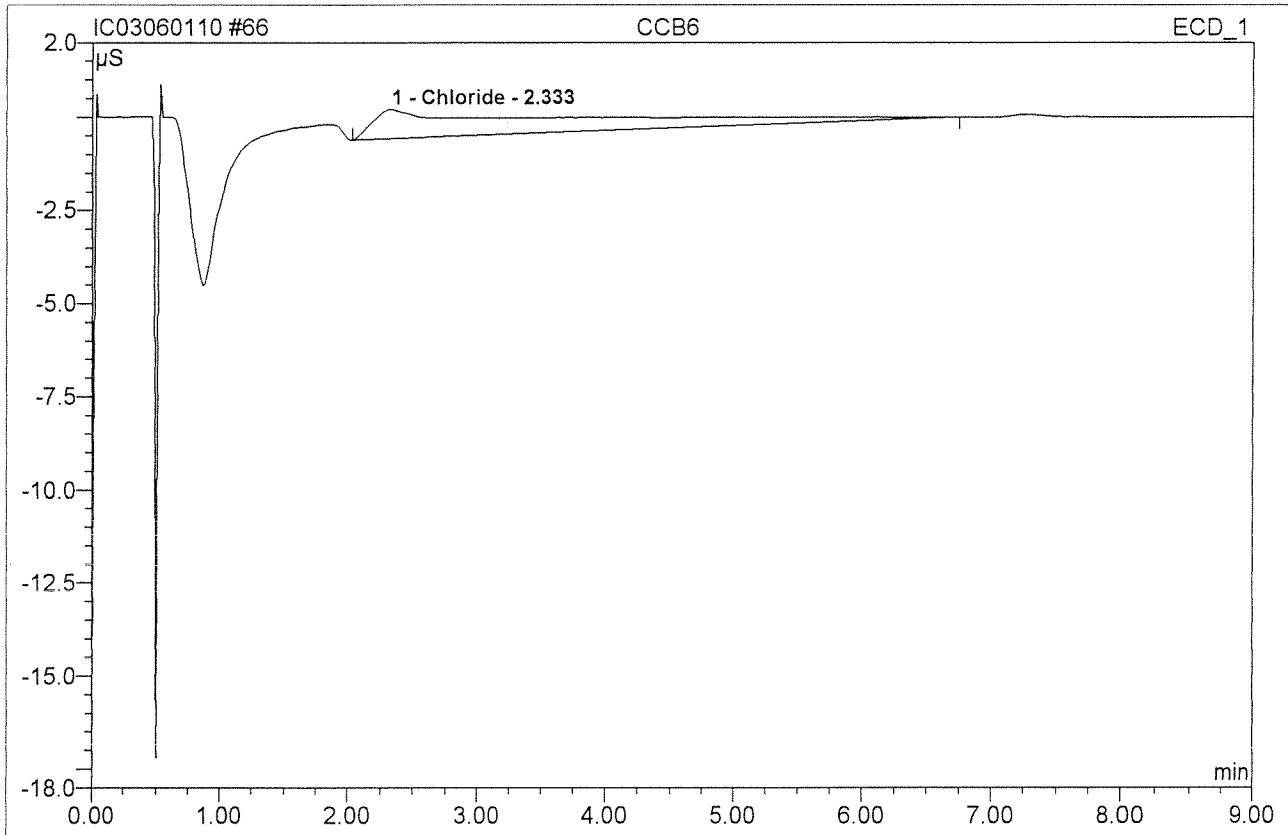
No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.60	Fluoride	61.053	6.420	19.57	3.355	BMB
2	2.38	Chloride	62.676	7.605	23.18	4.876	BMb
3	2.83	Nitrite	40.511	5.684	17.33	1.969	bMb
4	3.52	Bromide	7.027	1.040	3.17	1.941	bMB
5	4.07	Nitrate	41.375	7.252	22.10	1.968	BMB
6	7.18	Sulfate	16.940	4.806	14.65	4.884	BMB
<b>Total:</b>			229.582	32.807	100.00	18.994	

Before

JUN 02 2010

**66 CCB6****CCB6**

Sample Name:	CCB6	Injection Volume:	200.0
Vial Number:	64	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	6/1/2010 21:43	Sample Weight:	1.0000
Run Time (min):	9.00	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.33	Chloride	0.781	1.396	100.00	0.895	BMB
<b>Total:</b>			0.781	1.396	100.00	0.895	

Before

JUN 02 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Ion Chromatography Calibration Data

Sequence: IC03042610

Date: 04/26/10

Anion	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Corr.Coeff.	Slope
F	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9846	1.9134
Cl	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9661	1.5595
NO2	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9925	2.8873
Br	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9591	0.5358
NO3	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9043	3.6839
SO4	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9690	0.9841

All calibration standard concentrations are in mg/L unless otherwise noted.  
Zero point forced through zero.

*6/11/10*

COLUMBIA ANALYTICAL SERVICES, INC.

Ion Chromatography Calibration Data

Sequence: IC03042610

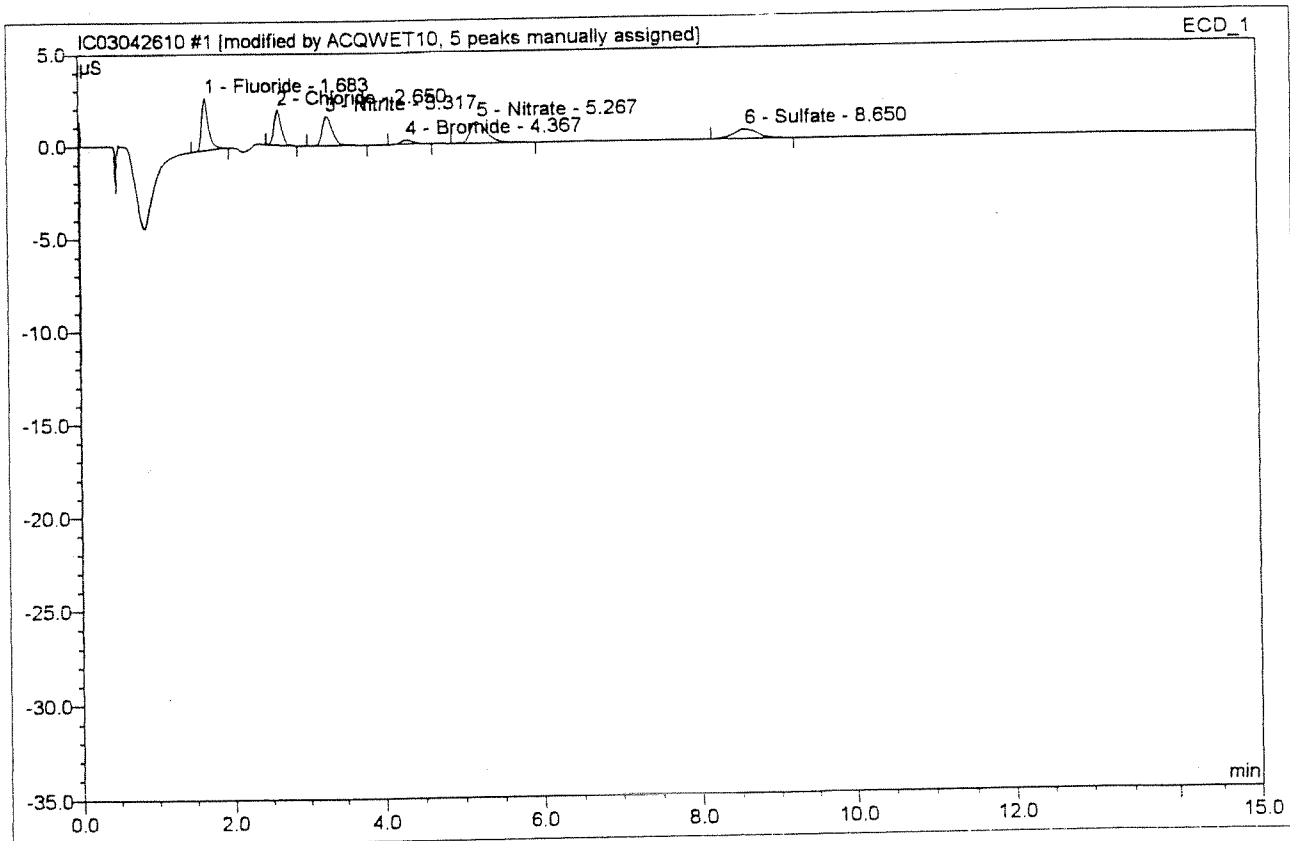
Date: 04/26/10

Anion	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Corr.Coeff.	Slope
F	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9846	1.9134
Cl	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9661	1.5595
NO2	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9925	2.8873
Br	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9591	0.5358
NO3	0.0	0.1	0.5	1.0	2.0	5.0	-	99.9043	3.6839
SO4	0.0	0.2	0.5	1.0	5.0	7.5	10.0	99.9690	0.9841

All calibration standard concentrations are in mg/L unless otherwise noted.  
Zero point forced through zero.

5.14105116

<b>1 std2/lvl2</b>			
Sample Name:	std2/lvl2	Injection Volume:	200.0
Vial Number:	1	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 8:54	Sample Weight:	1.0000
Run Time (min):	15.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.68	Fluoride	2.860	0.324	24.73	0.169	BMB*
2	2.65	Chloride	1.892	0.229	17.47	0.147	BMB^
3	3.32	Nitrite	1.586	0.259	19.78	0.090	BMB^
4	4.37	Bromide	0.244	0.043	3.25	0.080	BMB*^
5	5.27	Nitrate	1.144	0.279	21.26	0.076	BMB^
6	8.65	Sulfate	0.507	0.177	13.51	0.180	BMB^
<b>Total:</b>			8.233	1.311	100.00	0.742	

112

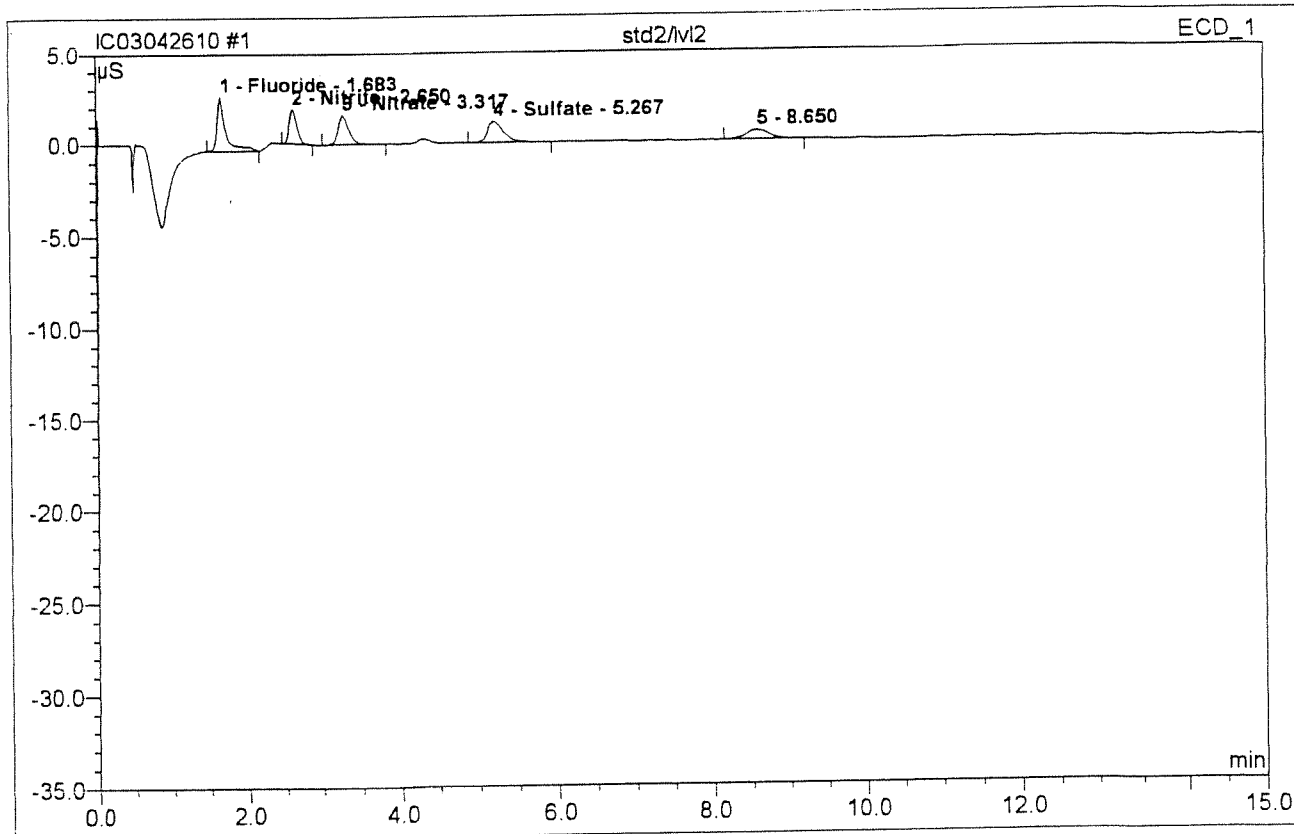
54412814

APR 25 2010

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

default/Integration

<b>1 std2/lvl2</b>			
Sample Name:	std2/lvl2	Injection Volume:	200.0
Vial Number:	1	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 8:54	Sample Weight:	1.0000
Run Time (min):	15.00	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height $\mu$ S	Area $\mu$ S*min	Rel.Area %	Amount	Type
1	1.68	Fluoride	2.953	0.421	30.83	0.200	BMB
2	2.65	Nitrite	1.892	0.229	16.78	0.100	BMB
3	3.32	Nitrate	1.586	0.259	19.00	0.100	BMB
4	5.27	Sulfate	1.144	0.279	20.42	0.200	BMB
5	8.65	n.a.	0.507	0.177	12.97	n.a.	BMB
<b>Total:</b>			8.081	1.366	100.00	0.600	

Before

APR 26 2010

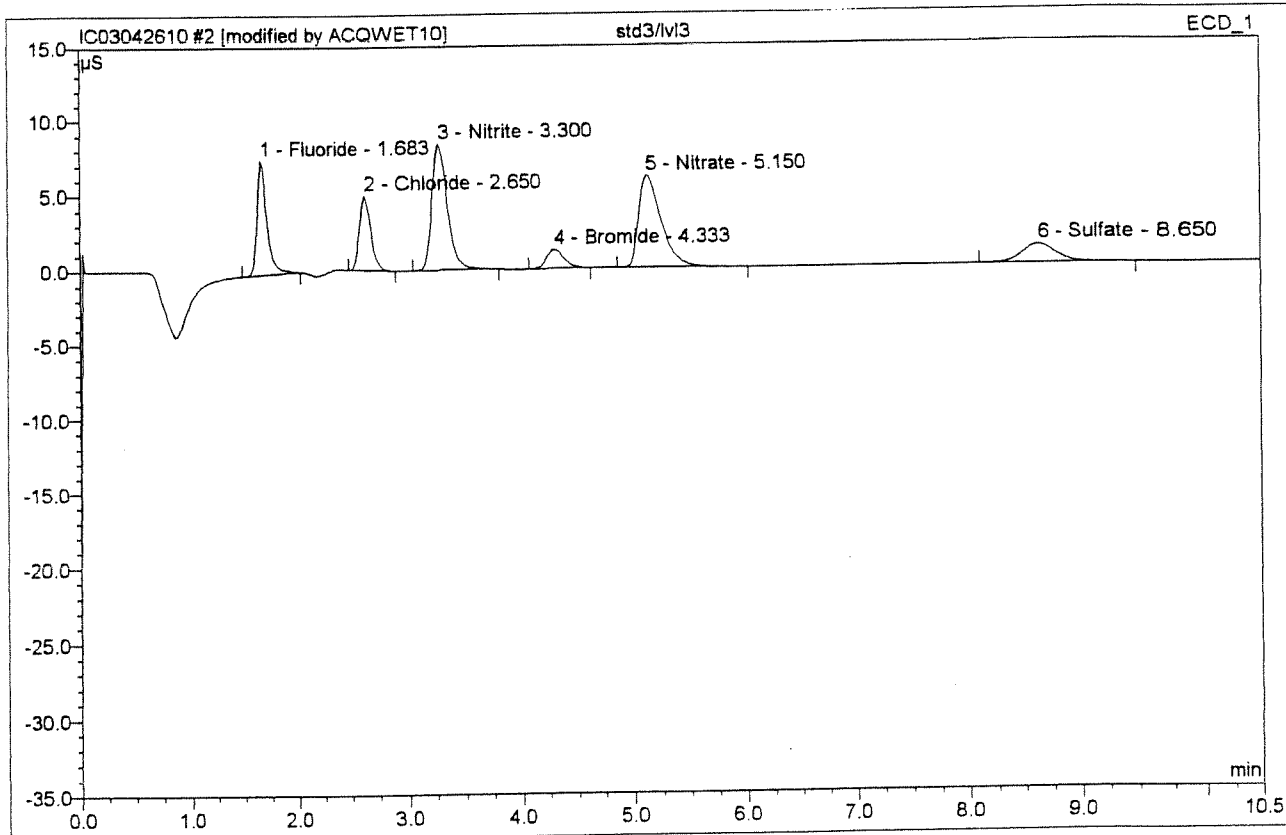
Chromeleon (c) Dionex 1996-2001  
Version 6.50 SP1 Build 956

default/Integration



**2 std3/lvl3**

Sample Name:	std3/lvl3	Injection Volume:	200.0
Vial Number:	2	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 9:12	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



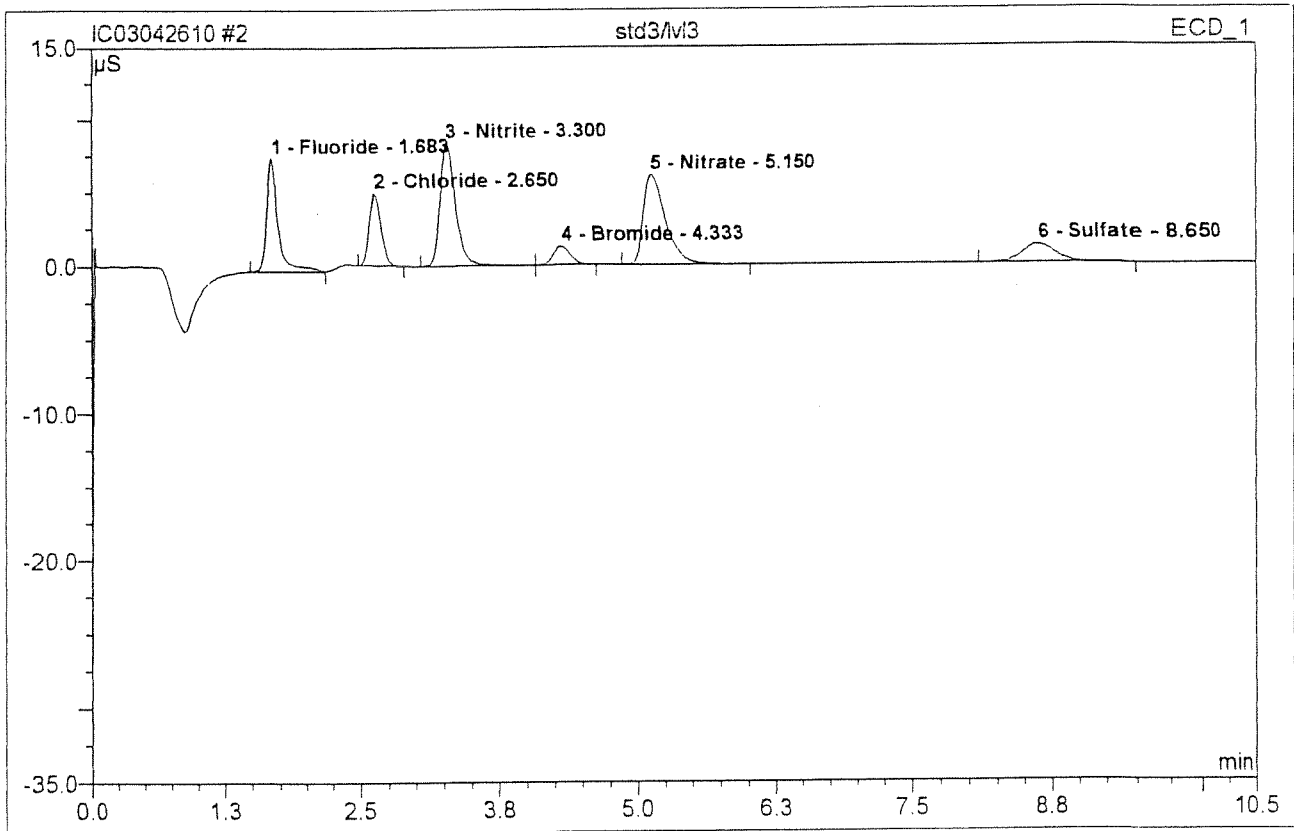
No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.68	Fluoride	7.622	0.844	17.37	0.441	BMB*
2	2.65	Chloride	4.937	0.589	12.12	0.378	BMB
3	3.30	Nitrite	8.365	1.329	27.34	0.460	BMB*
4	4.33	Bromide	1.271	0.229	4.72	0.428	BMB*
5	5.15	Nitrate	6.087	1.425	29.30	0.387	BMB
6	8.65	Sulfate	1.253	0.445	9.16	0.452	BMB
<b>Total:</b>			29.536	4.862	100.00	2.547	

default/Integration

APR 26 2010

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

<b>2 std3/lv13</b>			
Sample Name:	std3/lv13	Injection Volume:	200.0
Vial Number:	2	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 9:12	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height $\mu\text{S}$	Area $\mu\text{S} \cdot \text{min}$	Rel.Area %	Amount	Type
1	1.68	Fluoride	7.720	0.949	19.04	0.510	BMB
2	2.65	Chloride	4.937	0.589	11.82	0.502	BMB
3	3.30	Nitrite	8.377	1.347	27.02	0.501	BMB
4	4.33	Bromide	1.271	0.229	4.60	0.501	bMB
5	5.15	Nitrate	6.087	1.425	28.59	0.500	BMB
6	8.65	Sulfate	1.253	0.445	8.93	0.500	BMB
<b>Total:</b>			29.644	4.984	100.00	3.015	

Before

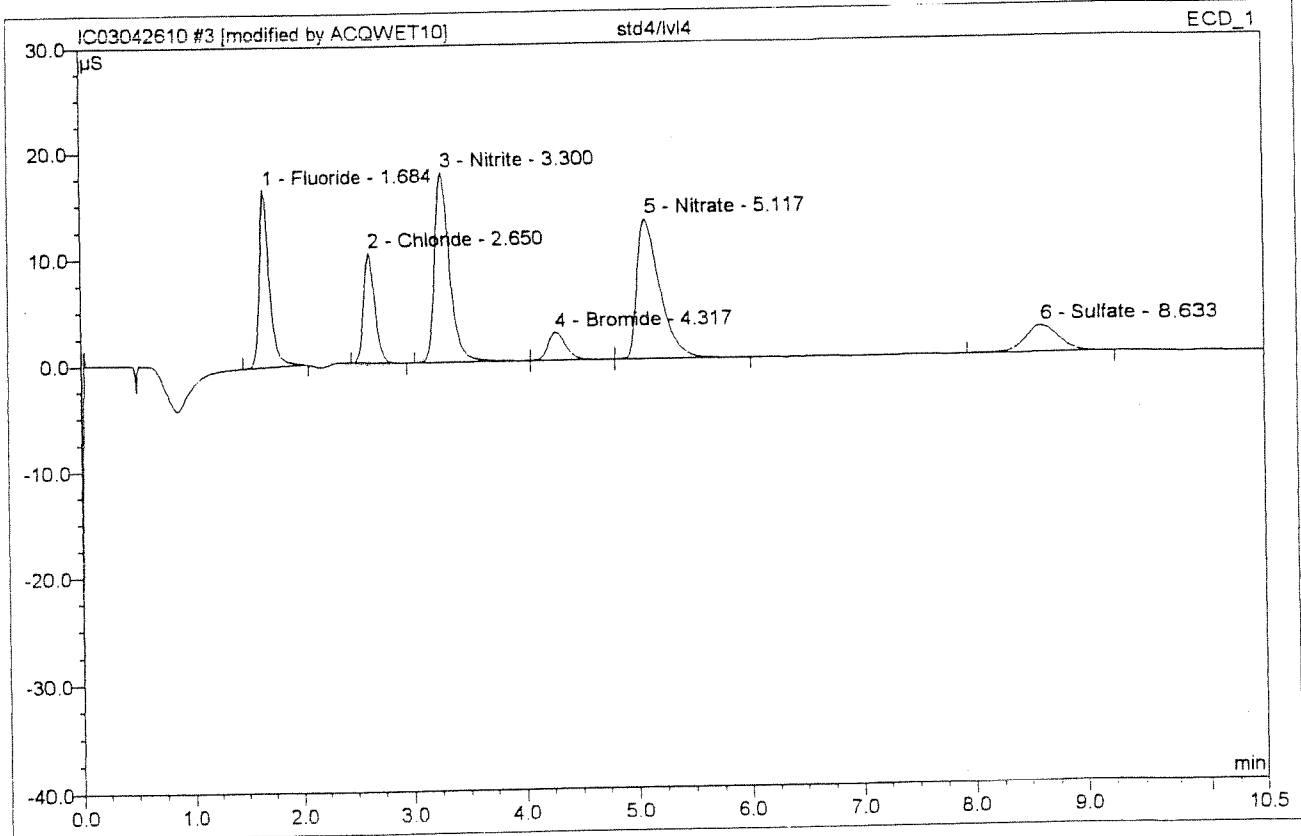
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default/Integration

**3 std4/lvl4**

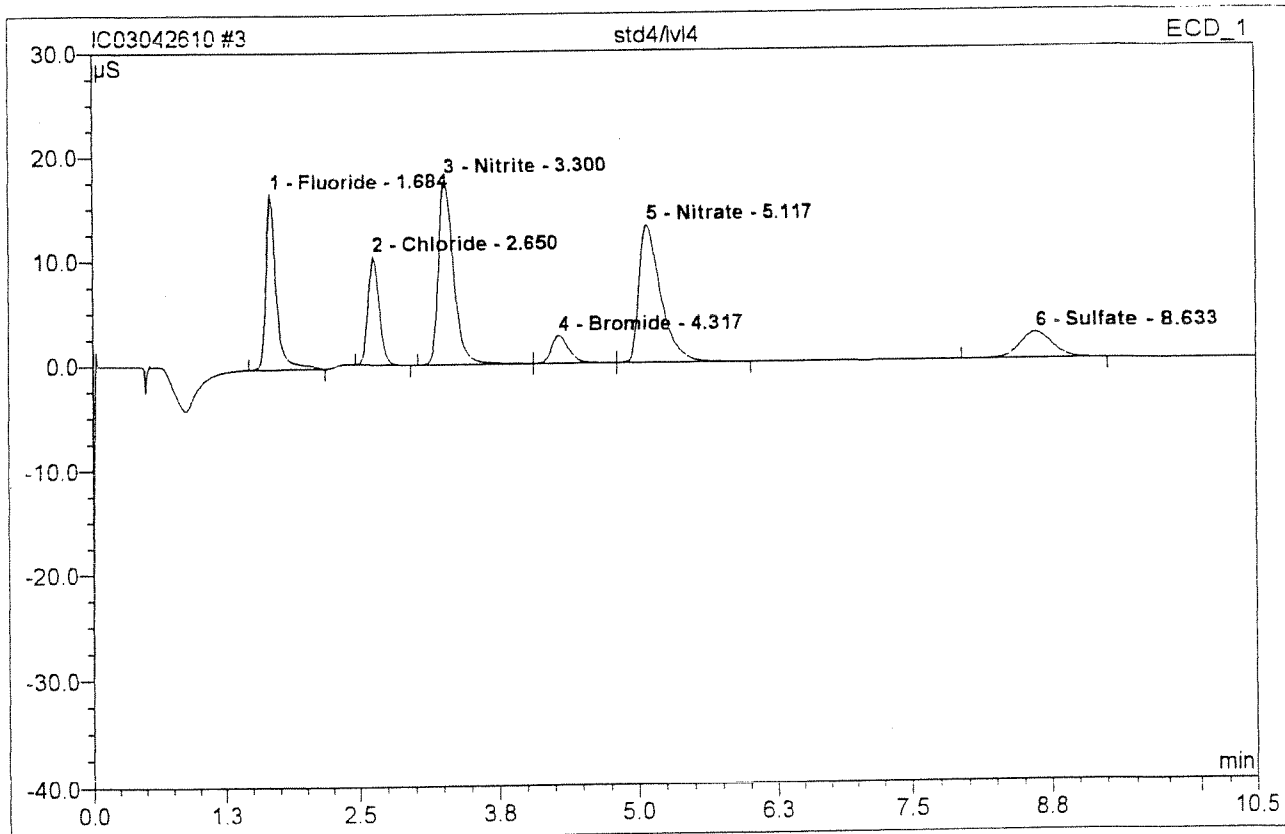
Sample Name:	std4/lvl4	Injection Volume:	200.0
Vial Number:	3	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 9:25	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.68	Fluoride	16.676	1.811	17.64	0.947	BMB*
2	2.65	Chloride	10.365	1.223	11.91	0.784	BMB
3	3.30	Nitrite	17.874	2.814	27.40	0.975	BMb
4	4.32	Bromide	2.661	0.487	4.74	0.908	bMb
5	5.12	Nitrate	13.149	3.046	29.66	0.827	bMB
6	8.63	Sulfate	2.522	0.888	8.65	0.903	BMB
<b>Total:</b>			63.248	10.270	100.00	5.343	

**3 std4/lvl4**

Sample Name:	std4/lvl4	Injection Volume:	200.0
Vial Number:	3	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 9:25	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret.Time min	Peak Name	Height $\mu\text{S}$	Area $\mu\text{S}\cdot\text{min}$	Rel.Area %	Amount	Type
1	1.68	Fluoride	16.774	1.915	18.46	1.007	BMB
2	2.65	Chloride	10.365	1.223	11.79	1.009	BMB
3	3.30	Nitrite	17.874	2.814	27.13	1.009	BMB
4	4.32	Bromide	2.661	0.487	4.69	1.012	bMB
5	5.12	Nitrate	13.149	3.046	29.36	1.014	bMB
6	8.63	Sulfate	2.522	0.888	8.56	1.000	BMB
<b>Total:</b>			63.346	10.374	100.00	6.051	

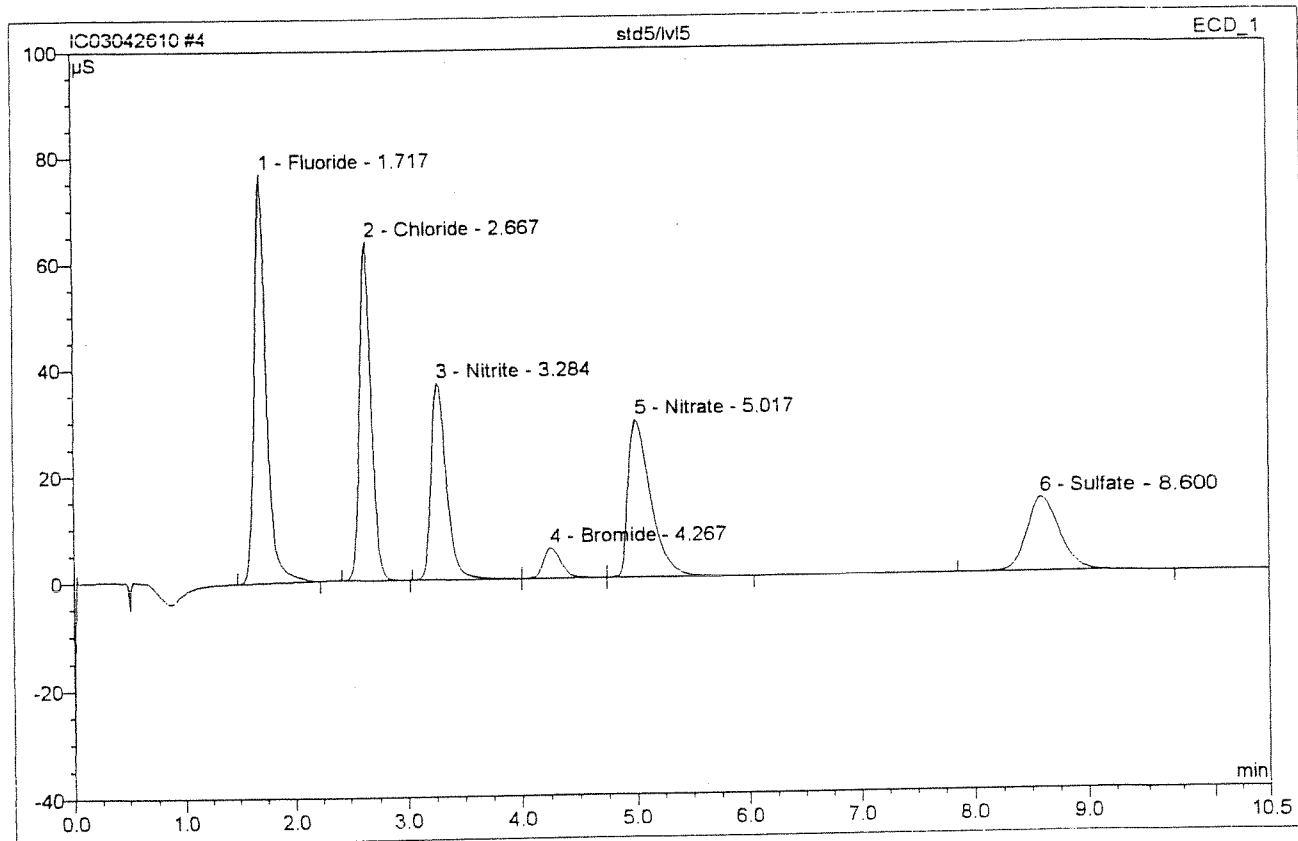
Before

APR 26 2010

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

default/Integration

<b>4 std5/lvl5</b>			
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
<b>Total:</b>			226.803	35.544	100.00	20.415	

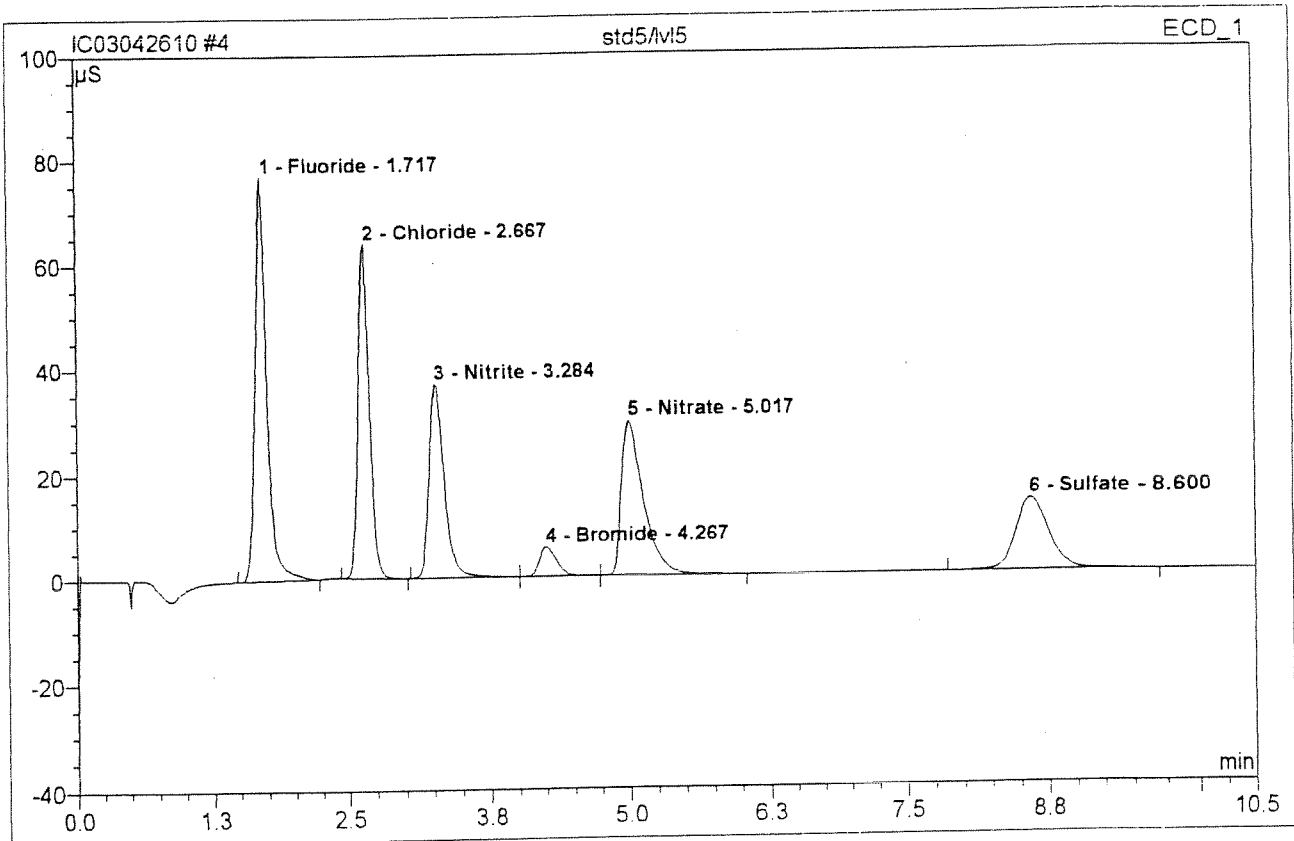
default/Integration

6-1128110

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Version 6.50 SP1 Build 956

**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 $\mu\text{S}$	Area $\mu\text{S}\cdot\text{min}$	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
<b>Total:</b>			226.803	35.544	100.00	21.166	

Before

APR 26 2010

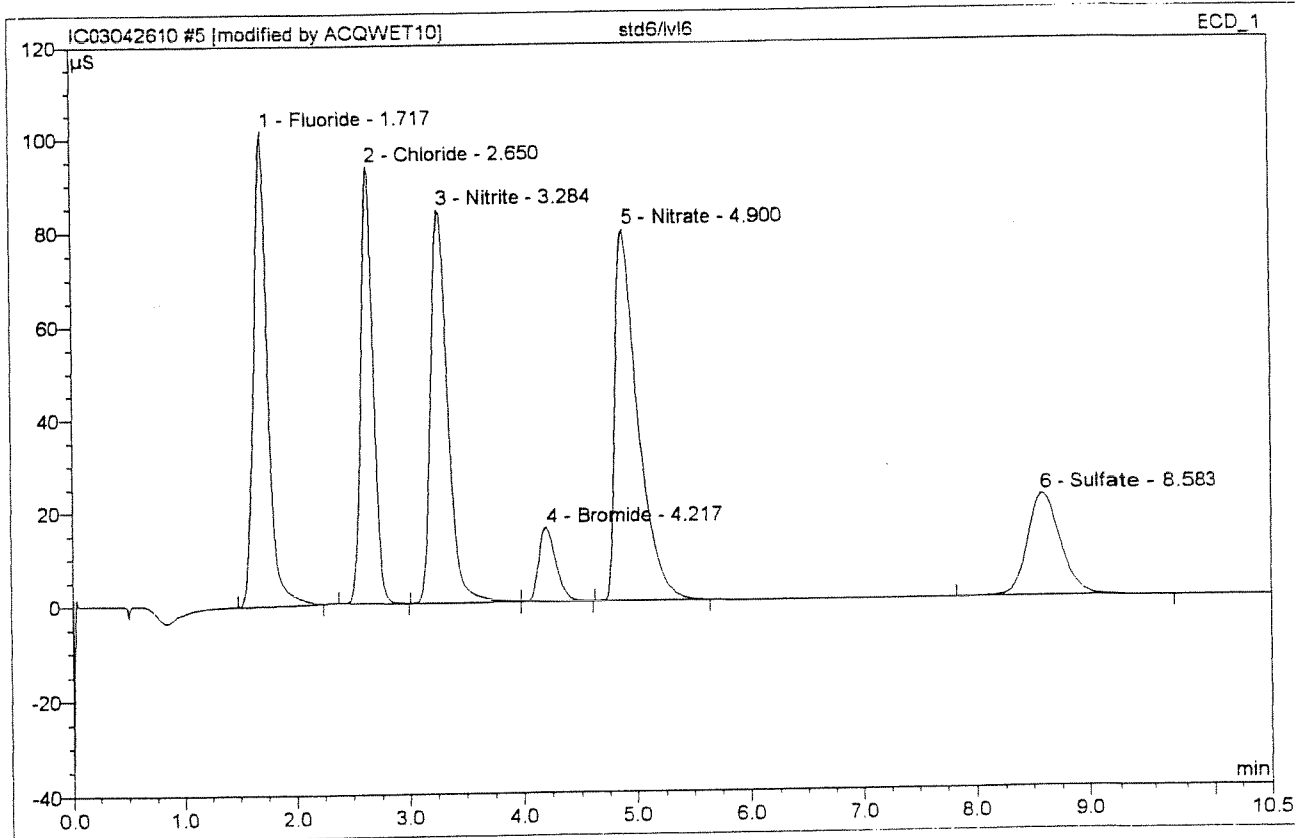
Chromleon (c) Dionex 1996-2001  
Version 6.50 SP1 Build 956

default/integration

**5 std6/lvl6**

Sample Name: **std6/lvl6**  
 Vial Number: **5**  
 Sample Type: **standard**  
 Control Program: **epa300**  
 Quantif. Method: **epa300**  
 Recording Time: **4/26/2010 9:51**  
 Run Time (min): **10.50**

Injection Volume: **200.0**  
 Channel: **ECD\_1**  
 Wavelength: **n.a.**  
 Bandwidth: **n.a.**  
 Dilution Factor: **1.0000**  
 Sample Weight: **1.0000**  
 Sample Amount: **1.0000**



No.	Ret.Time min	Peak Name	Height $\mu\text{S}$	Area $\mu\text{S}\cdot\text{min}$	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	BMBb
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
<b>Total:</b>			<b>396.475</b>	<b>69.412</b>	<b>100.00</b>	<b>37.650</b>	

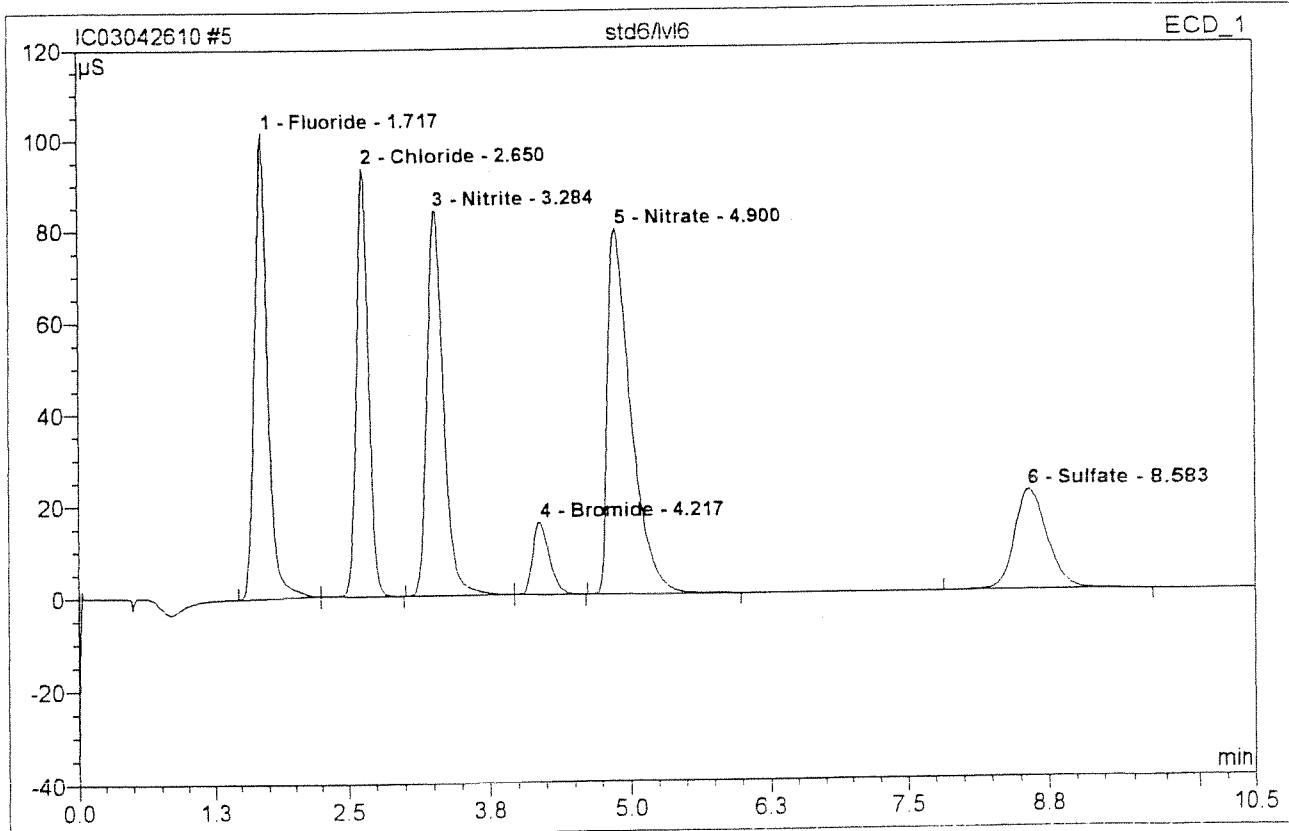
default/Integration

APR 26 2010

6-11-10  
 Chromeleon (c) Dionex 1996-2001  
 Version 6.50 SP1 Build 956

**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	20.85	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
<b>Total:</b>			396.568	69.512	100.00	37.876	

Before

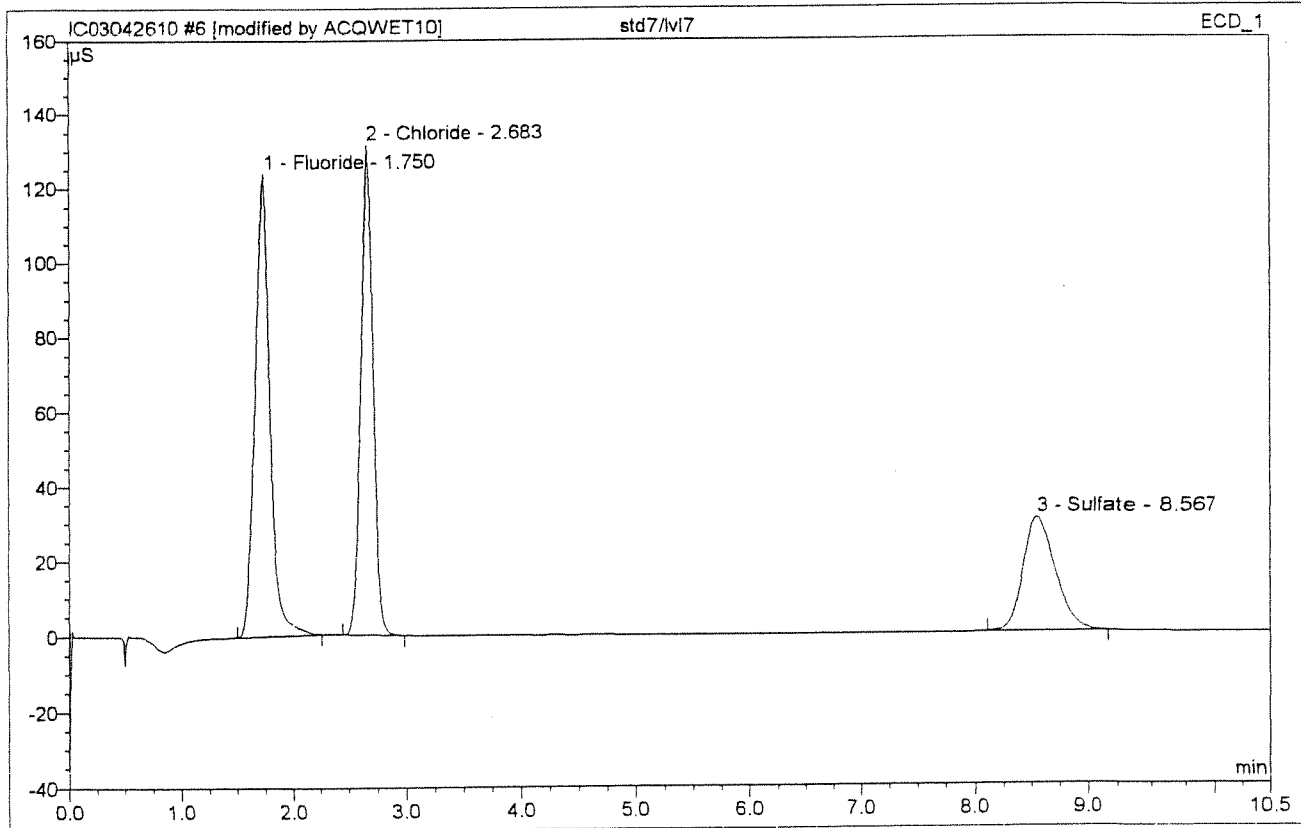
APR 26 2010

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Version 6.50 SP1 Build 956

default/integration



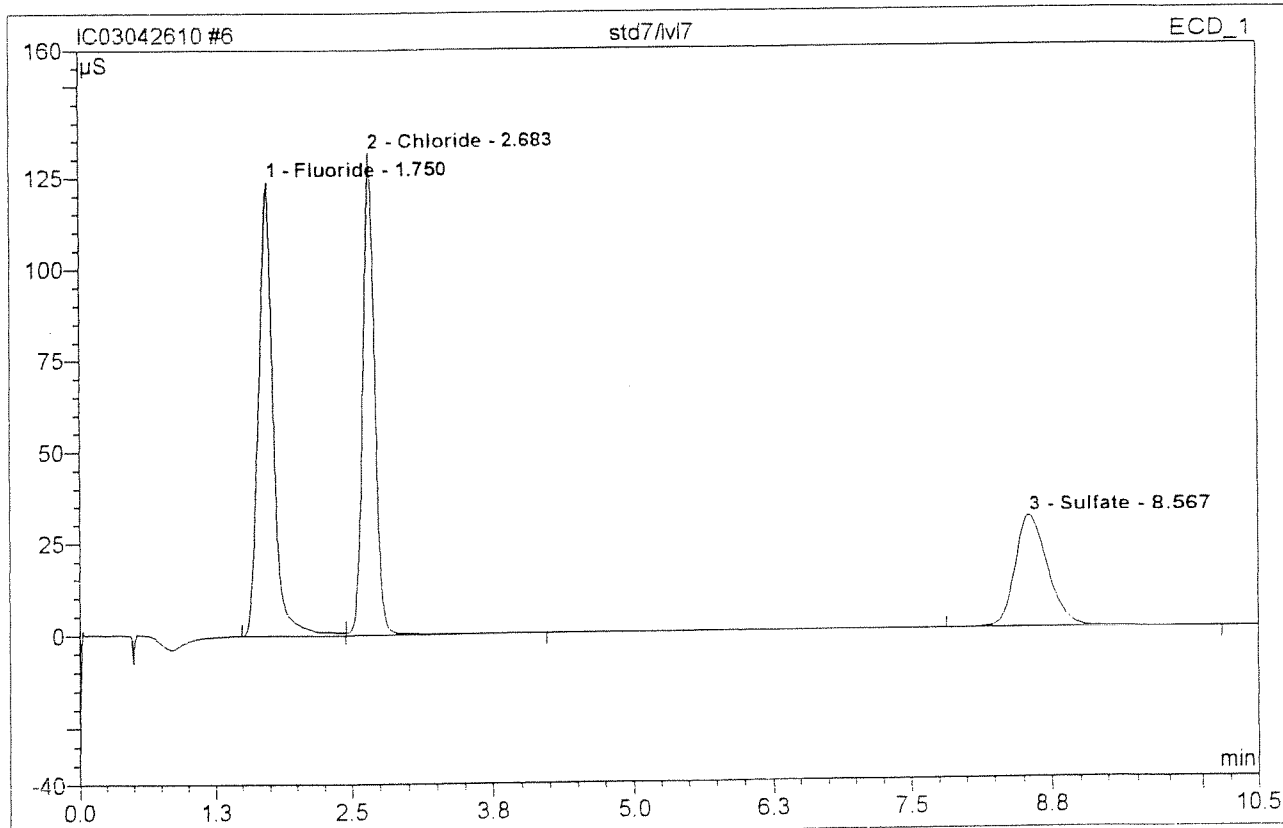
<b>6 std7/lv17</b>			
Sample Name:	std7/lv17	Injection Volume:	200.0
Vial Number:	6	Channel:	ECD_1
Sample Type:	standard	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	1.0000
Recording Time:	4/26/2010 10:04	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000



No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	1.75	Fluoride	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*
<b>Total:</b>			285.448	44.826	100.00	30.240	

**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
<b>Total:</b>			286.475	45.977	100.00	30.581	

Before

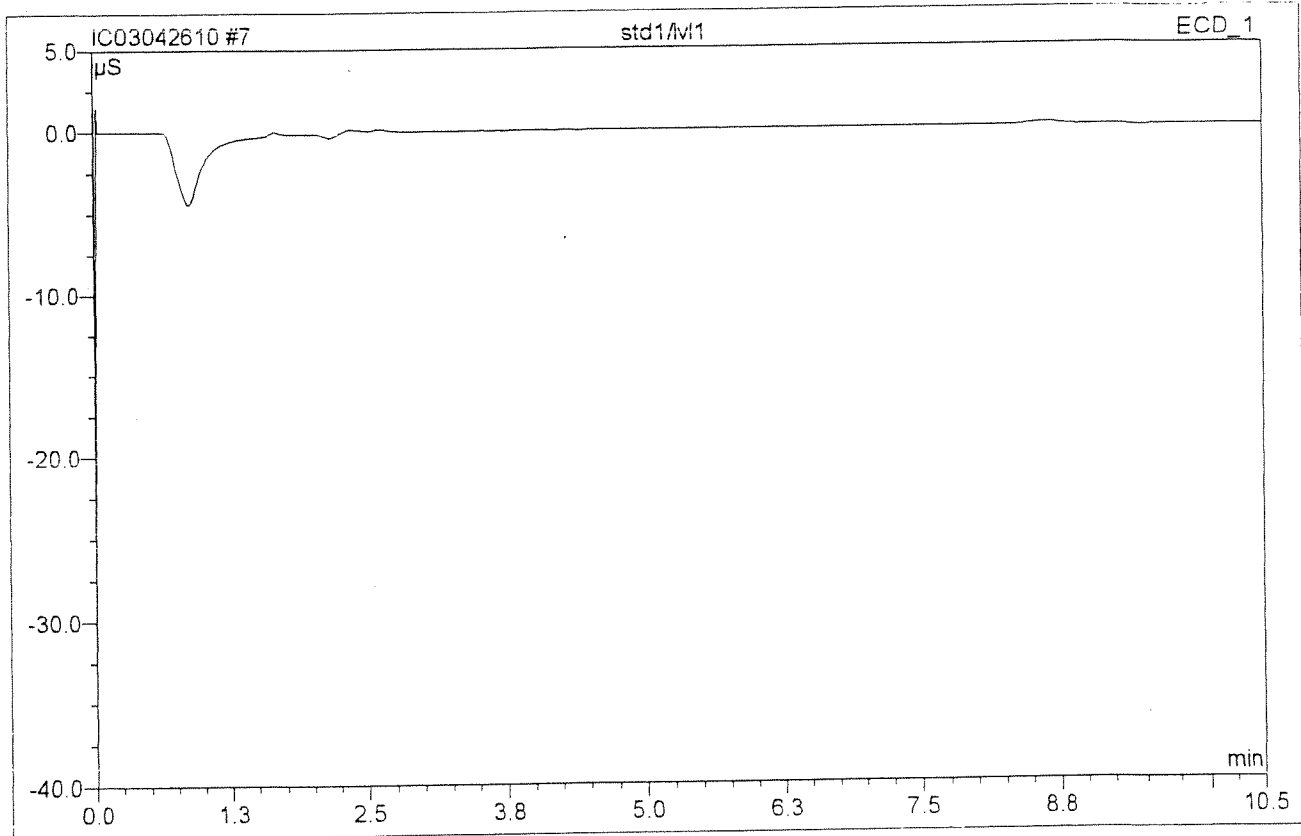
APR 26 2010

Chromleon (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



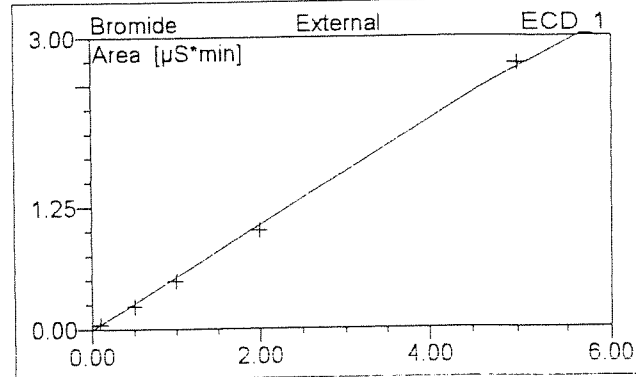
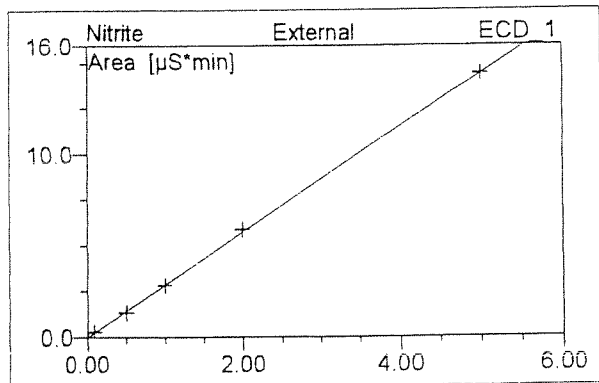
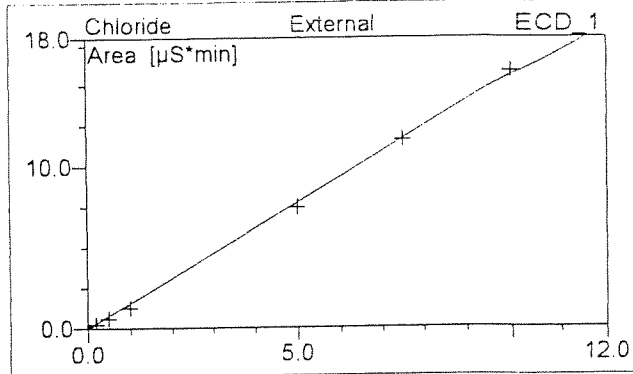
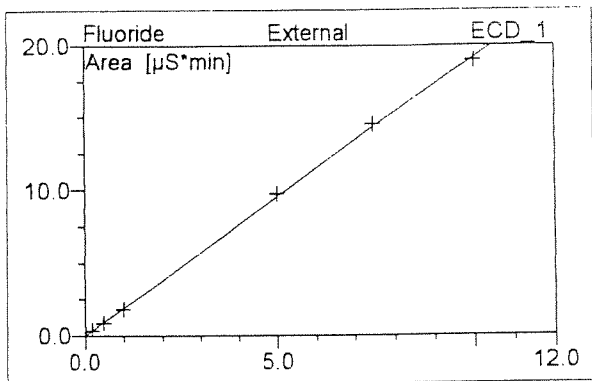
No.	Ret.Time min	Peak Name	Height μS	Area μS*min	Rel.Area %	Amount	Type
Total:			0.000	0.000	0.00	0.000	

6.44E-06

**7 std1/lvl1**

Sample Name: **std1/lvl1**  
 Vial Number: **7**  
 Sample Type: **standard**  
 Control Program: **epa300**  
 Quantif. Method: **epa300**  
 Recording Time: **4/26/2010 10:17**  
 Run Time (min): **10.50**

Injection Volume: **200.0**  
 Channel: **ECD\_1**  
 Wavelength: **n.a.**  
 Bandwidth: **n.a.**  
 Dilution Factor: **1.0000**  
 Sample Weight: **1.0000**  
 Sample Amount: **1.0000**

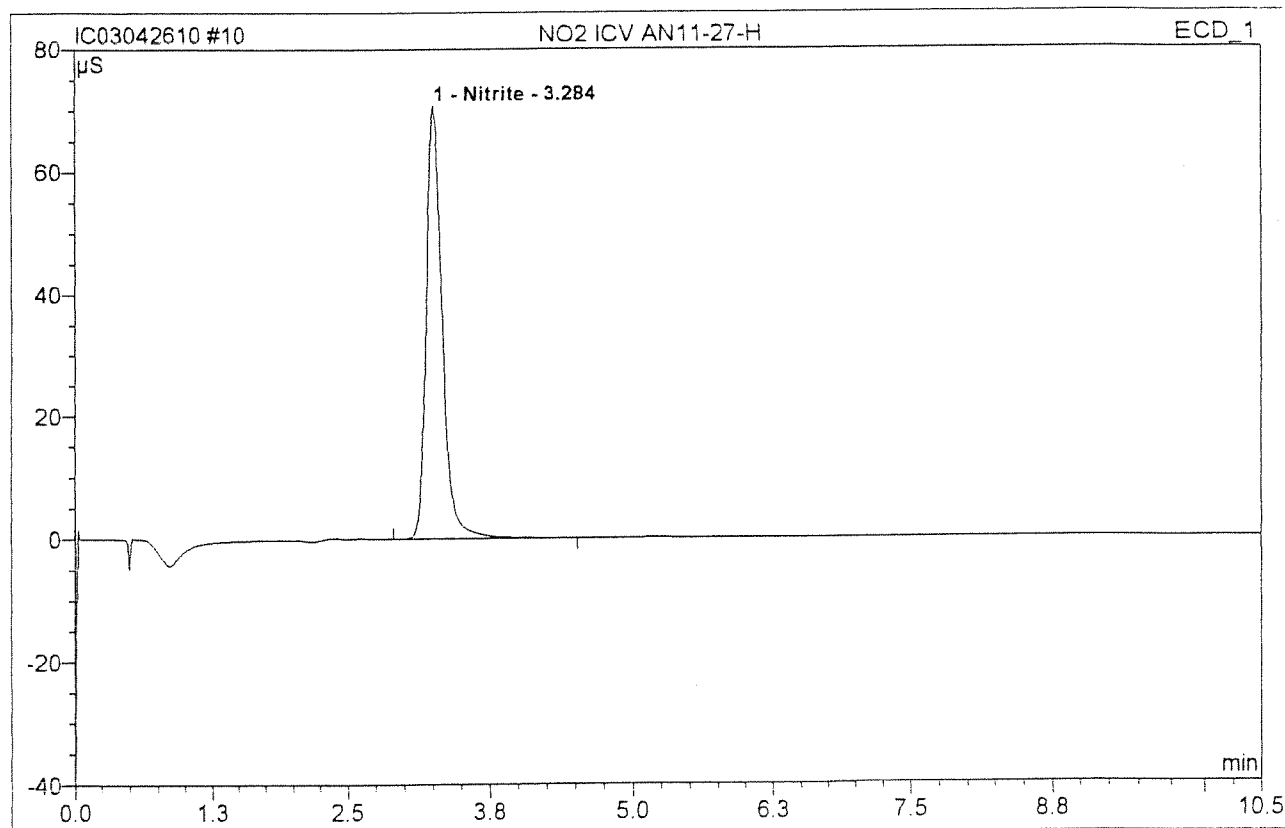


No.	Ret. Time min	Peak Name	Cal.Type	Points	Corr.Coeff. %	Offset	Slope	Curve
Average:					n.a.	n.a.	n.a.	n.a.

6/10/10

**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

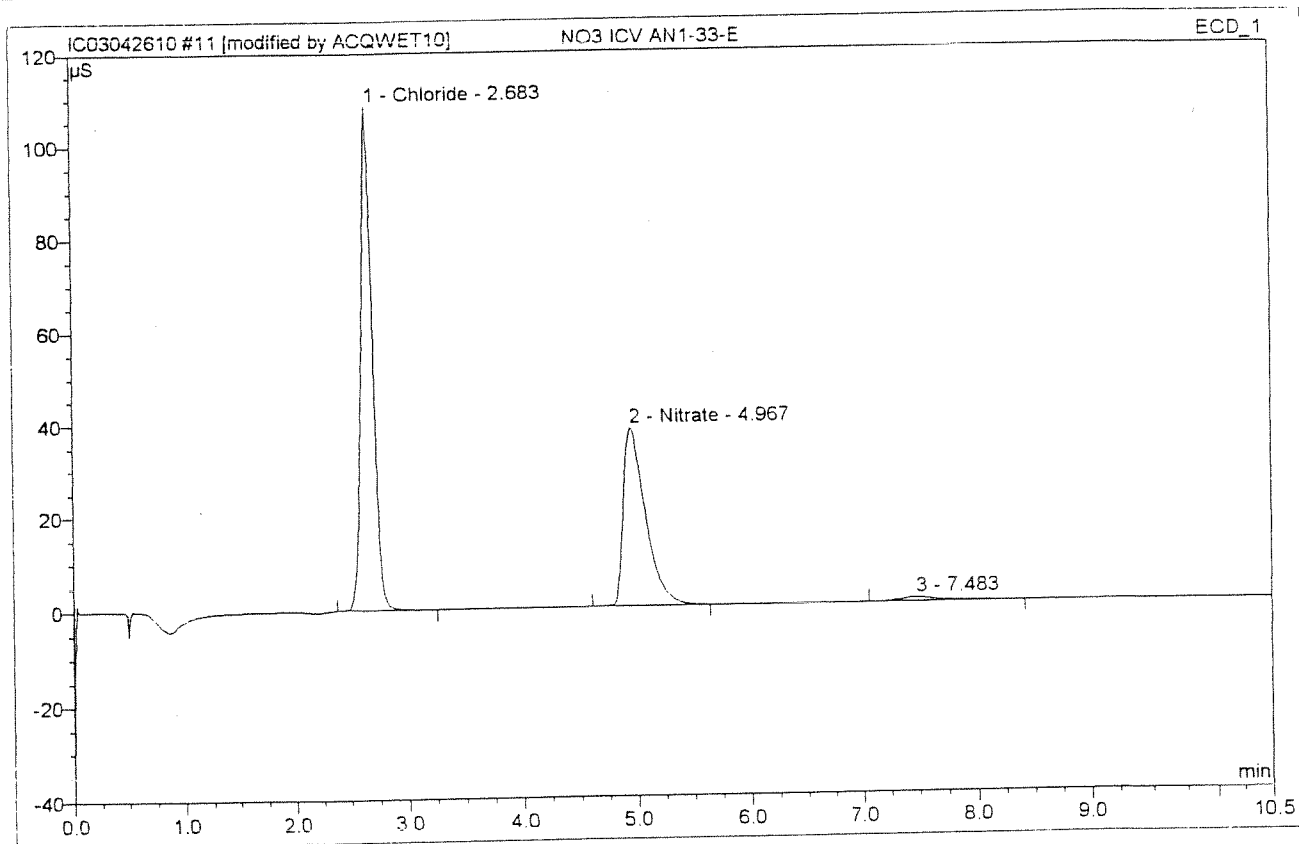


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	3.28	Nitrite	70.856	11.827	100.00	102.405102?	BMB
<b>Total:</b>			70.856	11.827	100.00	102.405	

# 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

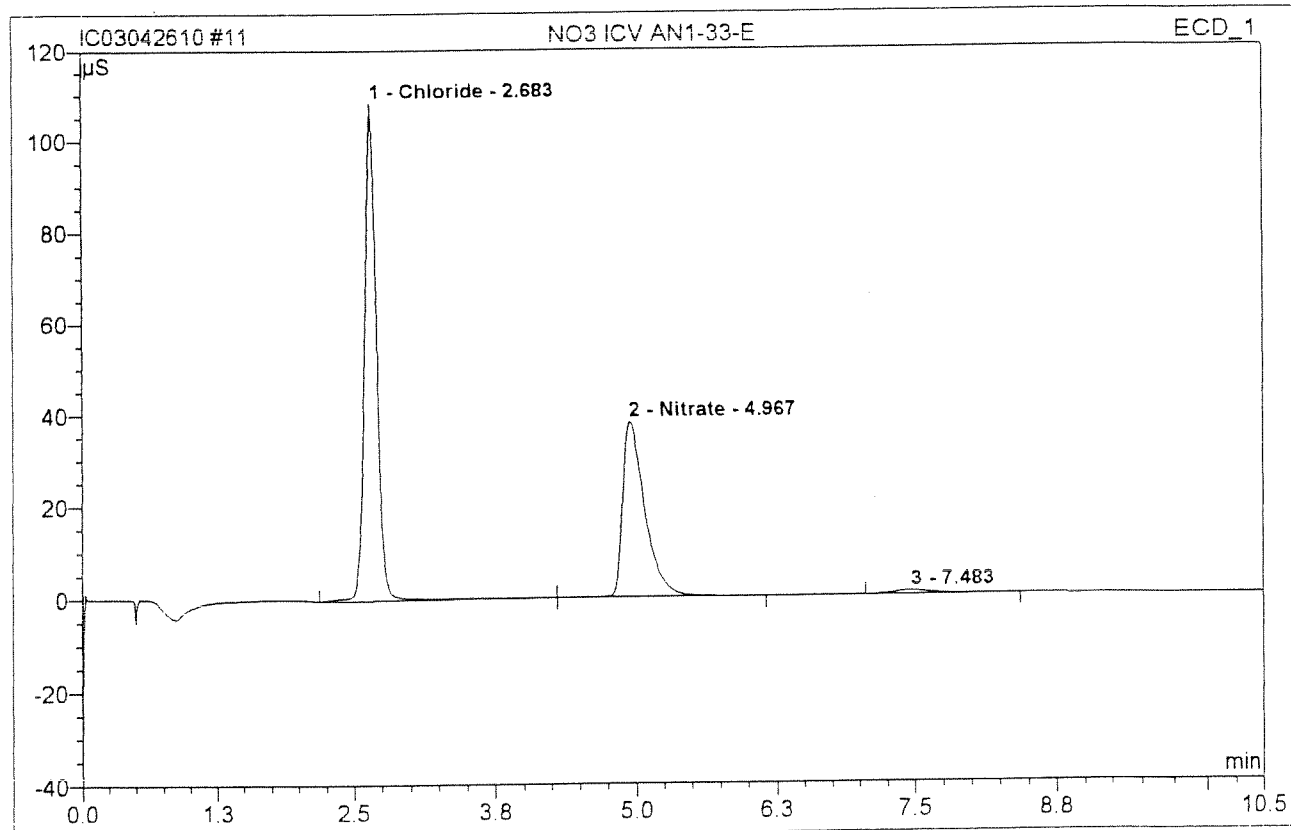


No.	Ret. Time min	Peak Name	Height μS	Area μS*min	Rel. Area %	Amount	Type
1	2.68	Chloride	108.172	12.864	59.17	82.484	BMB*
2	4.97	Nitrate	38.103	8.551	39.33	23.211 <i>110%</i>	BMB*
3	7.48	n.a.	0.823	0.326	1.50	n.a.	BMB
<b>Total:</b>			147.098	21.741	100.00	105.695	

*MS*

**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
<b>Total:</b>			147.556	22.304	100.00	109.004	

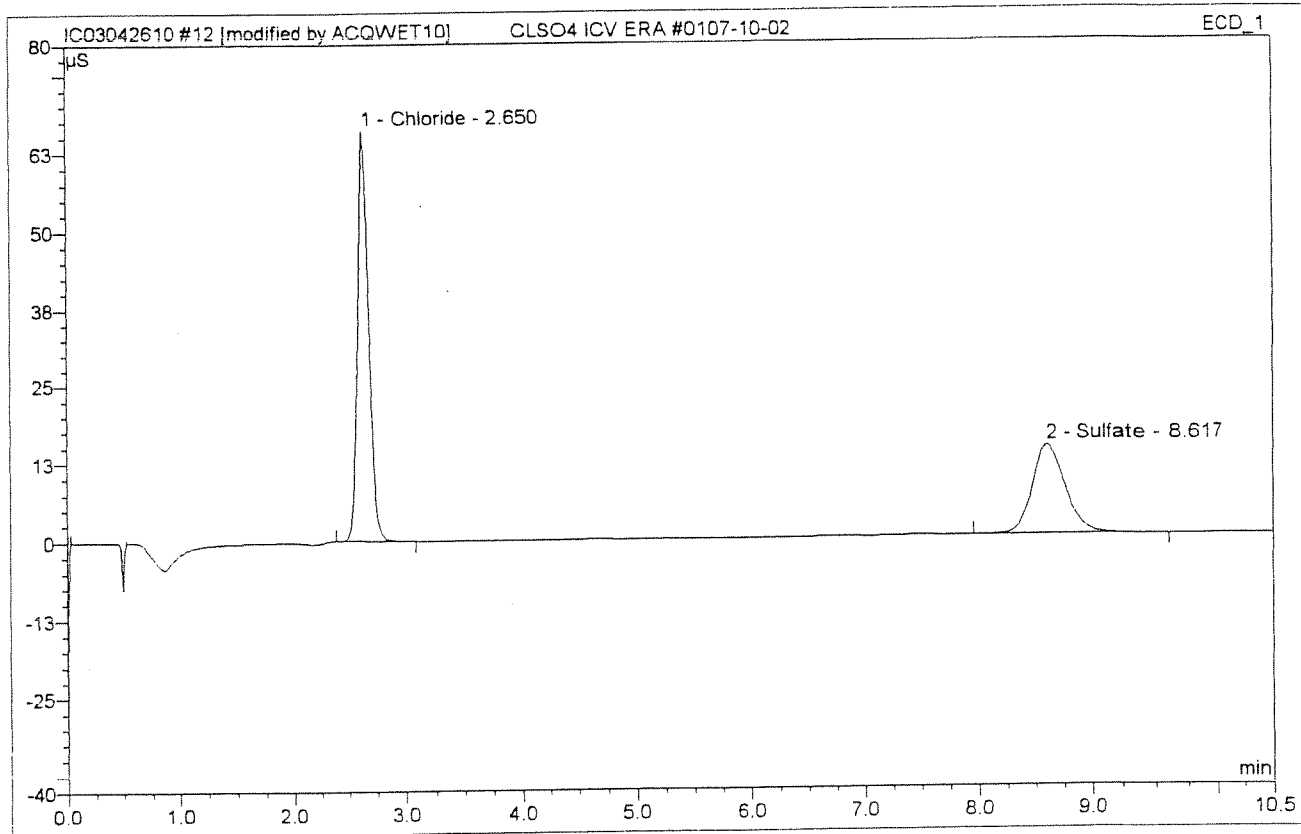
Before

APR 26 2010

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

default/Integration

<b>12 CLSO4 ICV ERA #0107-10-02</b>			
<b>CLSO4 ICV</b>			
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	4.808762	BMB*
2	8.62	Sulfate	14.257	4.794	39.00	4.871972	BMB
<b>Total:</b>			80.219	12.292	100.00	9.679	

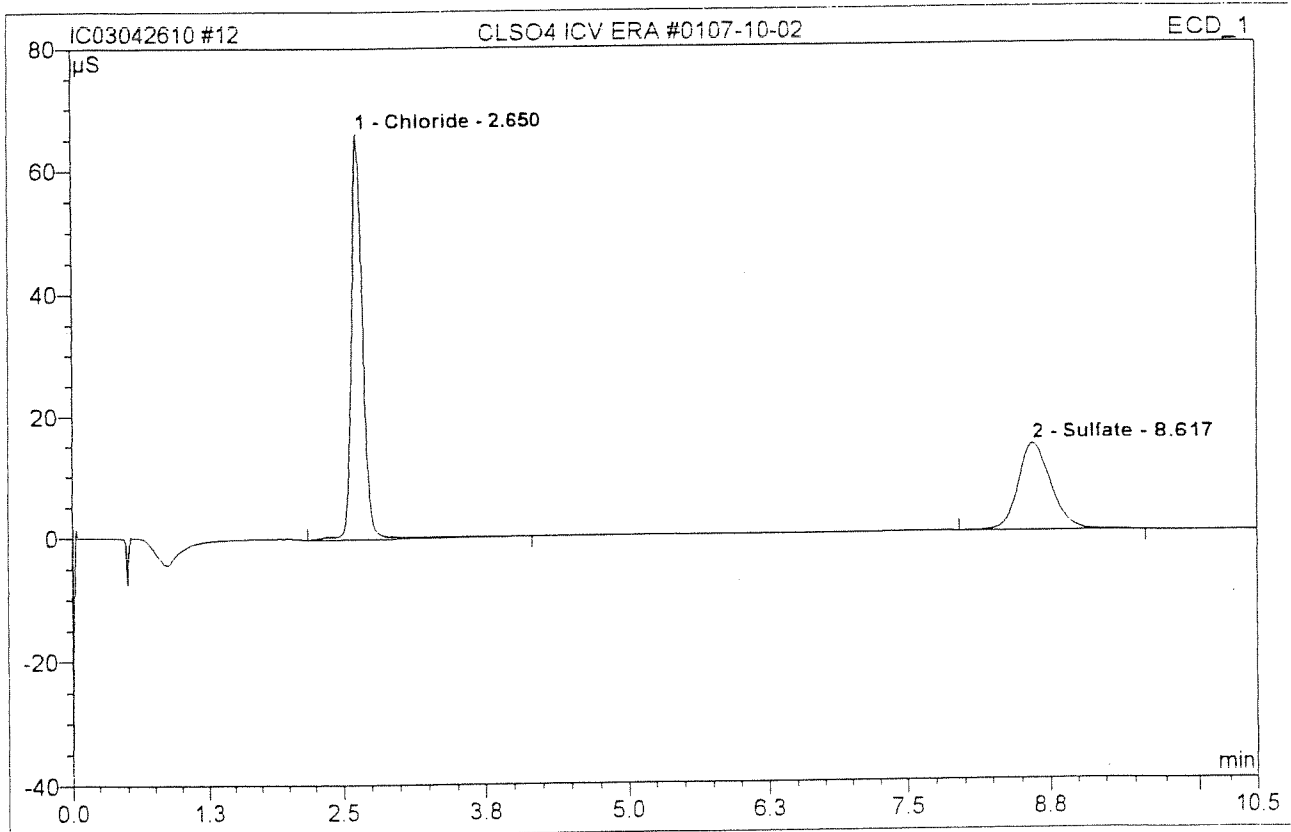
APR 26 2010  
11:46 AM

5490811



**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	66.369	7.929	62.32	5.084	BMB
2	8.62	Sulfate	14.257	4.794	37.68	4.871	BMB
<b>Total:</b>			80.625	12.723	100.00	9.956	

Before

APR 26 2010

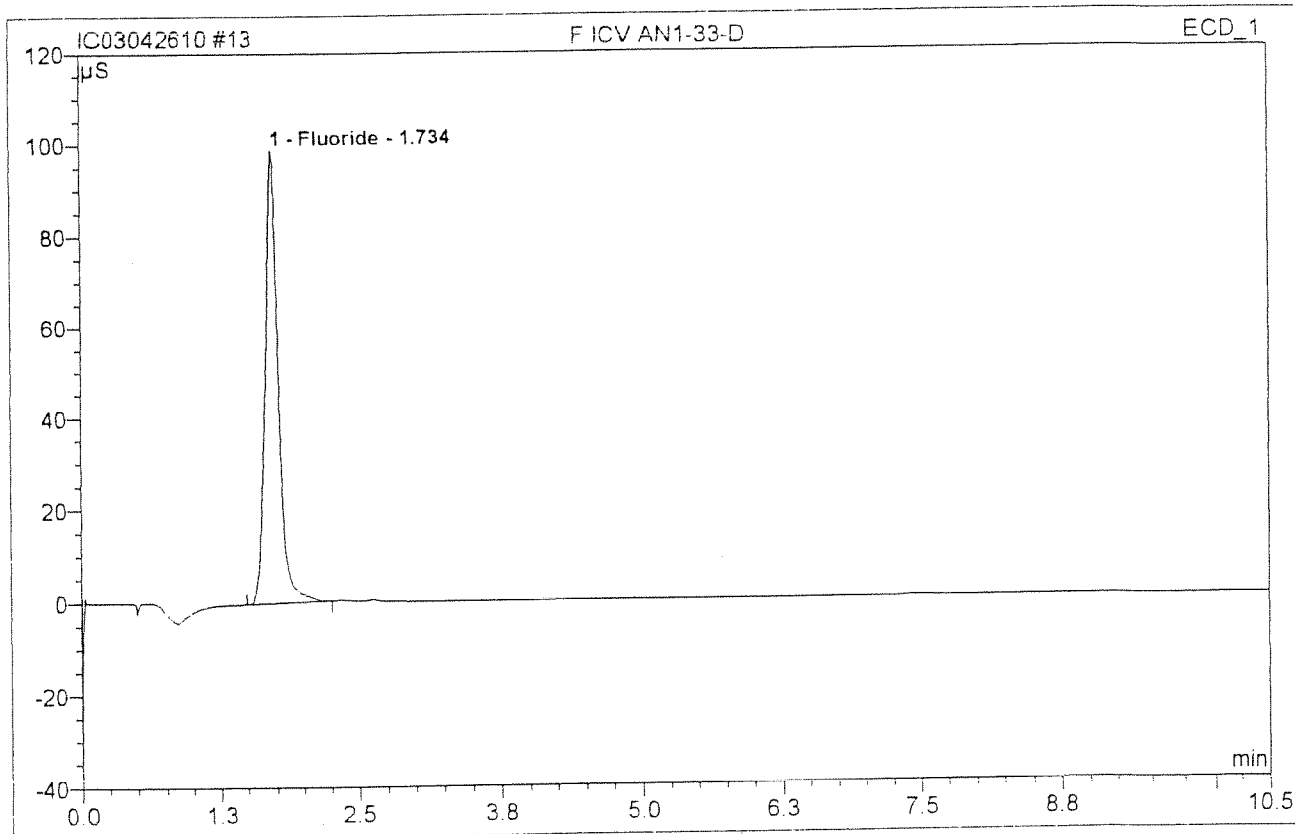
Chromleon (c) Dionex 1996-2001  
Version 6.50 SP1 Build 956

default/integration

### 13 F ICV AN1-33-D

#### F ICV

Sample Name:	F ICV AN1-33-D	Injection Volume:	200.0
Vial Number:	13	Channel:	ECD_1
Sample Type:	unknown	Wavelength:	n.a.
Control Program:	epa300	Bandwidth:	n.a.
Quantif. Method:	epa300	Dilution Factor:	2.0000
Recording Time:	4/26/2010 11:43	Sample Weight:	1.0000
Run Time (min):	10.50	Sample Amount:	1.0000

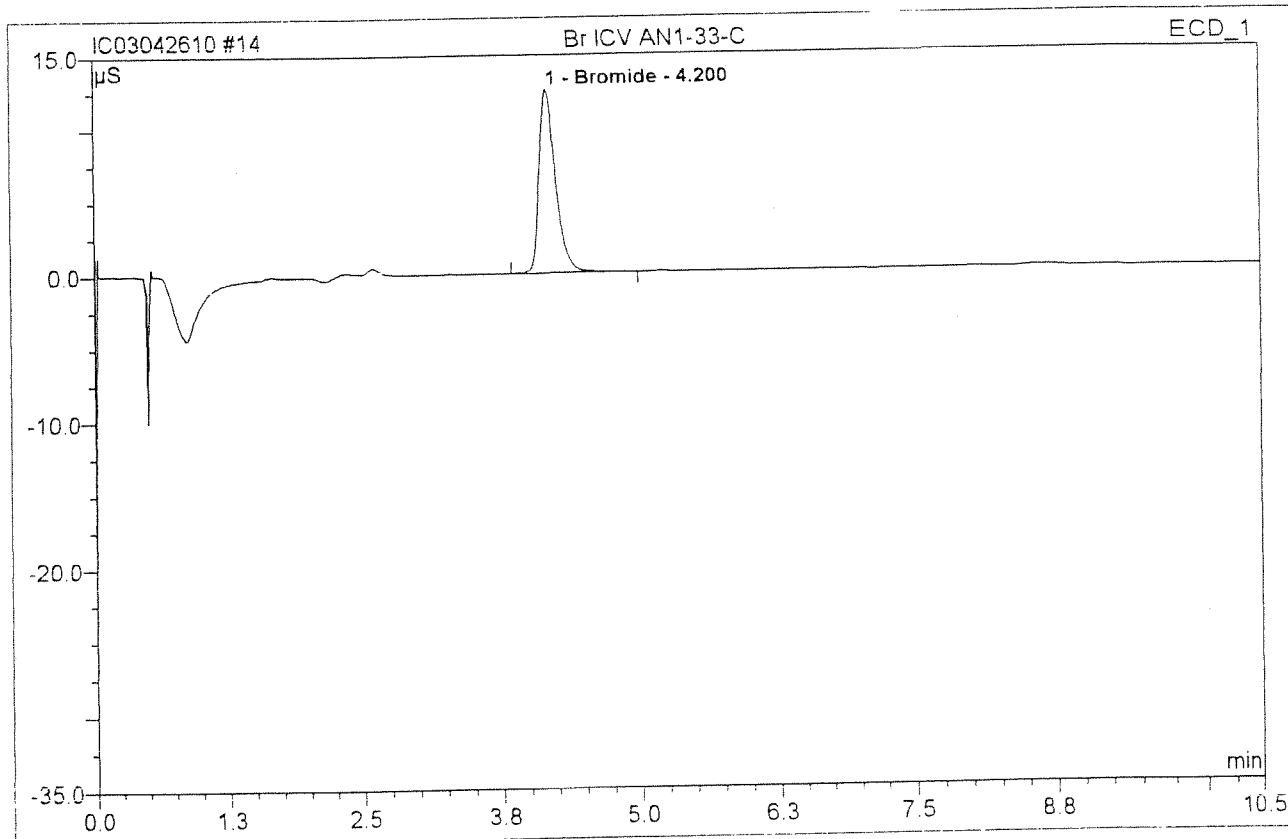


No.	Ret.Time min	Peak Name	Height µS	Area µS*min	Rel.Area %	Amount	Type
1	1.73	Fluoride	98.959	13.315	100.00	13.917103?	BMB
Total:			98.959	13.315	100.00	13.917	

## 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	4.12410357	BMB
Total:			12.583	2.210	100.00	4.124	

Work Request # <sup>Original</sup> (K4676) K4680 K4729 K4741 K4796 K4744 K4743 K4719 K4866  
 Tier: I I I II IIIA IIII I I  
 Date Analyzed: 05/14/10  
 Analyst: Fouy W  
 Analysis: NH<sub>3</sub> - 350.1 / SM 4500 - NH<sub>3</sub> G  
 200721

**DATA QUALITY REPORT  
INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1. Is the method name and number correct and appropriate?  yes/no/NA
2. Holding times met for all analyses and for all samples?  yes/no/NA
3. Are calculations correct?  yes/no/NA
4. Is the reporting basis correct? (Dry Weight)  yes/no/ NA
5. All quality control criteria met?  yes/no/NA
  - a. Is the calibration curve correlation coefficient  $\geq 0.995$ ?  yes/no/NA
  - b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency?  yes/no/NA
  - c. Are ICVs, CCVs, and CCBs all within acceptance limits?  yes/no/NA
  - d. Are results for methods blanks all ND?  yes/no/NA
  - e. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.)  yes/no/NA
  - f. Are all exceptions explained?  yes/no/ NA
6. Are all service requests that apply attached?  yes/no/NA
7. Are all samples labelled correctly?  yes/no/NA
8. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample)  yes/no/NA
9. Are detection limits and units reported correctly?  yes/no/NA
10. Are proper Analysis/Extraction stickers included on report?  yes/no/NA
11. Is the unused space on the benchsheet crossed out?  yes/no/NA
12. Was analysis turned in by the due date? (n-2) (If not record SR#)  yes/no/NA

**COMMENTS:**

K4866 - Rush - due date: 05/17/10

Final Approved by: [Signature] Date: 5/17/10 DQREPORT

I I I II III IV V VI VII  
 K4676, K4680, K4729, K4741, K4796, K4744, K4743, K4719, K4866

Rush(05/17)

BRAN+LUEBBE AAGE 6.02

Post-run Report

# BRAN+LUEBBE

Post-run report

Name of Run : 080523A  
 Date of Report : 5/14/2010  
 Date of Run : 5/14/2010  
 Operator :  
 Comment :

Name of Analysis : Ammonia  
 System No. : 1  
 Type of System : AA3  
 Start/Stop time : 15:06 - 16:56

Channel :  
 Method :  
 Unit :  
 Calibr. Fit :  
 Corr. Coeff. :  
 Base :  
 Gain :  
 Sensitivity :  
 Sample Limit 1 :  
 Sample Limit 2 :

Method 2  
 mg/L  
 Linear  
 1.0000  
 -19584  
 20  
 0.4340

CS ID# B+LNH<sub>3</sub>/-34-JF<sub>0</sub> T.V.=14.3  
 Spike ID# B+LNH<sub>3</sub>/-T2-11 T.V.=2.00  
 Curve, CCVID# B+LNH<sub>3</sub>/-55-T T.V.=2.00  
 MIMS = 2.00

Pk	Cup	Sample Id	Value
0	0	B Baseline	-0.0187
1	1	P Primer	5.0353
2	1	D Drift	5.0515
3	1	C 5.00	5.0004
4	2	C 2.00	2.0005
5	3	C 0.50	0.4949
6	4	C 0.05	0.0400
7	5	C 0	0.0143
8	0	B Baseline	-0.0187
9	1	H1 High	5.0556
10	0	L1 Low	-0.0183
11	0	L1 Low	-0.0182
12	5	QC2 CCB1	0.0033
13	2	QC1 CCV1	1.9854
14	10	QC3 LCS1*10	1.4363
15	11	S MB MS	2.0366
16	0	N Null	-0.0102N
17	5	QC2 MB1	0.0125
18	12	S k1004866-001	27.8726*
19	13	S k1004676-001	0.0383
20	14	S k1004680-001	0.0044
21	15	S k1004680-002	-0.0202
22	16	S k1004680-003	-0.0247
23	0	B baseline	-0.0187
24	5	QC2 CCB2	0.0181
25	2	QC1 CCV2	1.9943
26	17	S k1004680-004	0.0503

<0.020  
 1.99 100%  
 14.4 101%  
 2.04 102%

<0.020

0.0383 } HR  
 0.0044 <0.050  
 -0.0202 <0.050  
 -0.0247 <0.050

0.0181 <0.020  
 1.9943 100%  
 0.0503 0.050

5/17/10

OTR 05/14/10

05/14/10  
 Hougum

27 18 S k1004680-005  
 28 19 S k1004729-001  
 29 20 S k1004741-001  
 30 21 S k1004741-002  
 31 22 S k1004741-003  
 32 23 S k1004741-004  
 33 24 S k1004741-005  
 34 25 S k1004741-021  
 35 0 B baseline  
 36 5 QC2 CCB-3  
 37 2 QC1 CCV-3  
 38 26 S k1004741-022  
 39 27 S k1004741-023  
 40 28 S k1004741-024  
 41 29 S k1004741-025  
 42 30 S k1004796-002  
 43 31 S k1004744-001  
 44 32 S k1004744-001d  
 45 33 S k1004744-001ms  
 46 34 S k1004744-001msd  
 47 0 B Baseline  
 48 5 QC2 CCB-4  
 49 2 QC1 CCV-4  
 50 10 QC3 LCS2\*10  
 51 10 QC3 LCS2dup\*10  
 52 0 N Null  
 53 5 QC2 MB2  
 54 35 S k1004744-002  
 55 36 S k1004744-003  
 56 37 S k1004744-004  
 57 38 S k1004743-001  
 58 39 S k1004743-001d  
 59 0 B Baseline  
 60 5 QC2 CCB-5  
 61 2 QC1 CCV-5  
 62 40 S k1004743-001ms  
 63 41 S k1004743-001msd  
 64 42 S k1004743-002  
 65 43 S rinse  
 66 44 S k1004719-001  
 67 45 S k1004719-002  
 68 19 S k1004676-001  
 69 46 S k1004866-001\*50  
 70 47 S k1004866-001\*25  
 71 0 B Baseline  
 72 5 QC2 CCB6  
 73 2 QC1 CCV6  
 74 20 S k1004741-001  
 75 48 S k1004729-001\*10  
 76 27 S k1004741-023  
 77 49 S k1004741-001\*100  
 78 50 S k1004741-001\*50

-0.0207 <0.050  
 13.7978\* } NR  
 -0.0091 } NR  
 -0.0046 <0.050  
 -0.0137 <0.050  
 -0.0182 <0.050  
 0.0047 <0.050  
 -0.0058 <0.050  
 -0.0187  
 0.0100 <0.020  
 1.9840 1.98 99%  
 61.6531\* } NR  
 0.1400 } NR  
 0.0487 <0.050  
 12.9154\* } NR  
 0.3135 } NR  
 0.0147 <0.020  
 -0.0114 <0.020  
 2.0578 2.06 103%  
 2.0567 2.06 103%  
 -0.0187  
 0.0103 <0.020  
 1.9907 1.99 100%  
 1.4430 14.4 101%  
 1.4461 14.5 101%  
 -0.0091N  
 0.0140 <0.020  
 -0.0066 <0.020  
 -0.0141 <0.020  
 0.0010 <0.020  
 -0.0055 <0.020  
 -0.0094 <0.020  
 -0.0187  
 0.0111 <0.020  
 1.9919 1.99 100%  
 2.0785 2.08 104%  
 2.0797 2.08 104%  
 -0.0111 <0.020  
 0.0096  
 0.0009 <0.020  
 0.0008 <0.020  
 13.8806\* } NR  
 0.6368 } NR  
 1.3325 33.3  
 -0.0187  
 0.0101  
 1.9812 1.98 99%  
 -0.0171 <0.050  
 1.4320 14.3  
 -0.0143 <0.050  
 1.2154 NR  
 2.5135 126

$\bar{x} = ND$  RPD = -

$\bar{x} = ND$  RPD = -

5/17/10

05/14/10  
Hougen

OTH 05/14/10

79	51	S	rinse	0.0139	
80	30	S	k1004796-002	0.3006	0.301
81	52	S	k1004741-025*10	1.3335	13.3
82	53	S	k1004729-01*5	2.8947	NR
83	0	B	Baseline	-0.0187	
84	5	QC2	CCB7	0.0087	< 0.020
85	2	QC1	CCV7	1.9871	1.99 100%
86	13	S	k1004676-001	0.0397	( <del>&lt; 0.020</del> ) < 0.050
87	0	B	Baseline	-0.0187	
88	5	QC2	CCB8	0.0100	< 0.020
89	2	QC1	CCV8	1.9899	1.99 100%
90	1	D	Drift	5.0515	
91	0	B	Baseline	-0.0187	
92	0	B	FinalBase	-0.0187	

QC Limits

Channel	:	2
QC 1	Unused	
QC 2	Unused	
QC 3	Unused	
QC 4	Unused	
QC 5	Unused	
QC 6	Unused	
QC 7	Unused	
QC 8	Unused	
QC 9	Unused	
QC10	Unused	

CORRECTIONS

Channel	:	2
Baseline	:	Yes
Drift	:	Yes
Carry over	:	Yes
%:		0.4

- \* ... Sample offscale
- + ... Result higher than sample limit
- ... Result lower than sample limit
- P ... Standard passed
- F ... Standard failed
- N ... Value not calculated or not used
- R ... Resample after offscale
- M ... Peak marker moved manually
- D ... Diluted sample

\*\* <END OF REPORT> \*\*

OTH 05/14/10

5/17/10

05/14/10  
Haugen

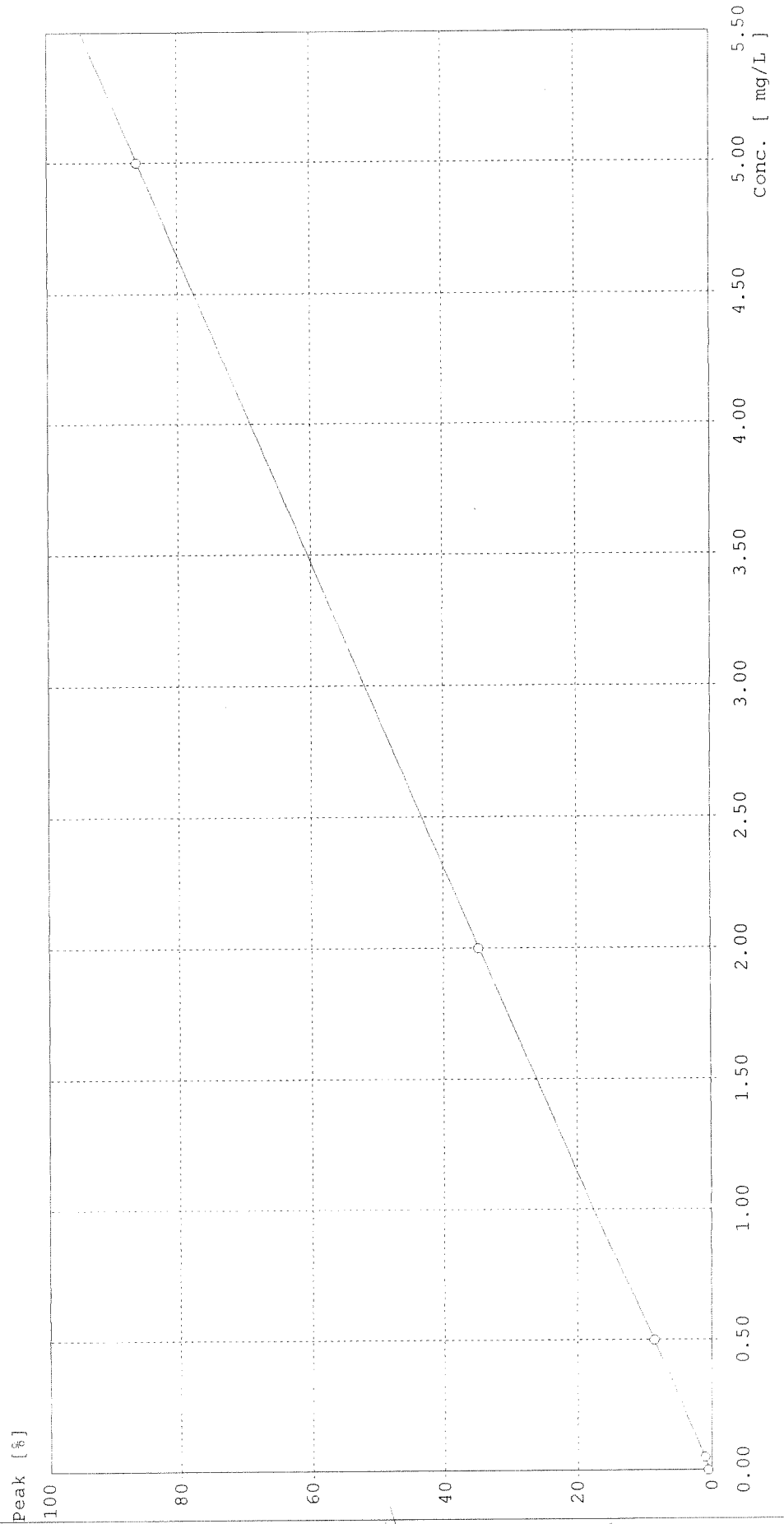
# BRAN+LUEBBE

Calibration Curve

Name of run : 080523A.run  
Comment :

Name of analysis : Ammonia

Channel : 2  
Method : Method 2  
Curve fit : linear      a=-3.1322E-001      b=8.8859E-005  
Corr. coeff. : 1.0000



*Sill*  
*5/17/10*  
*05/14/10*  
*Houyuu*



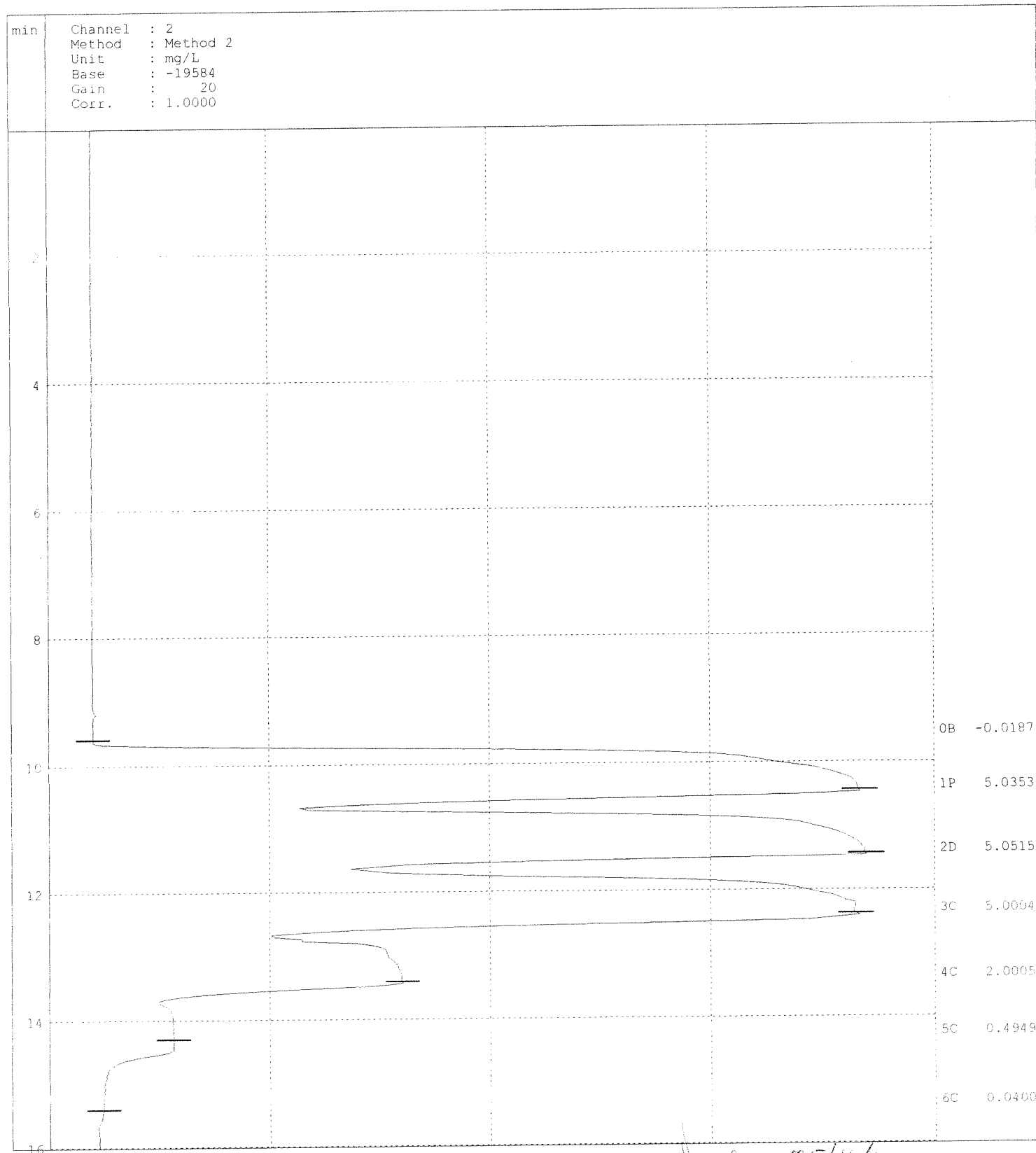
# BRAN+LUEBBE

Post-run chart

Name of run : 080523A.RUN

Name of analysis : Ammonia

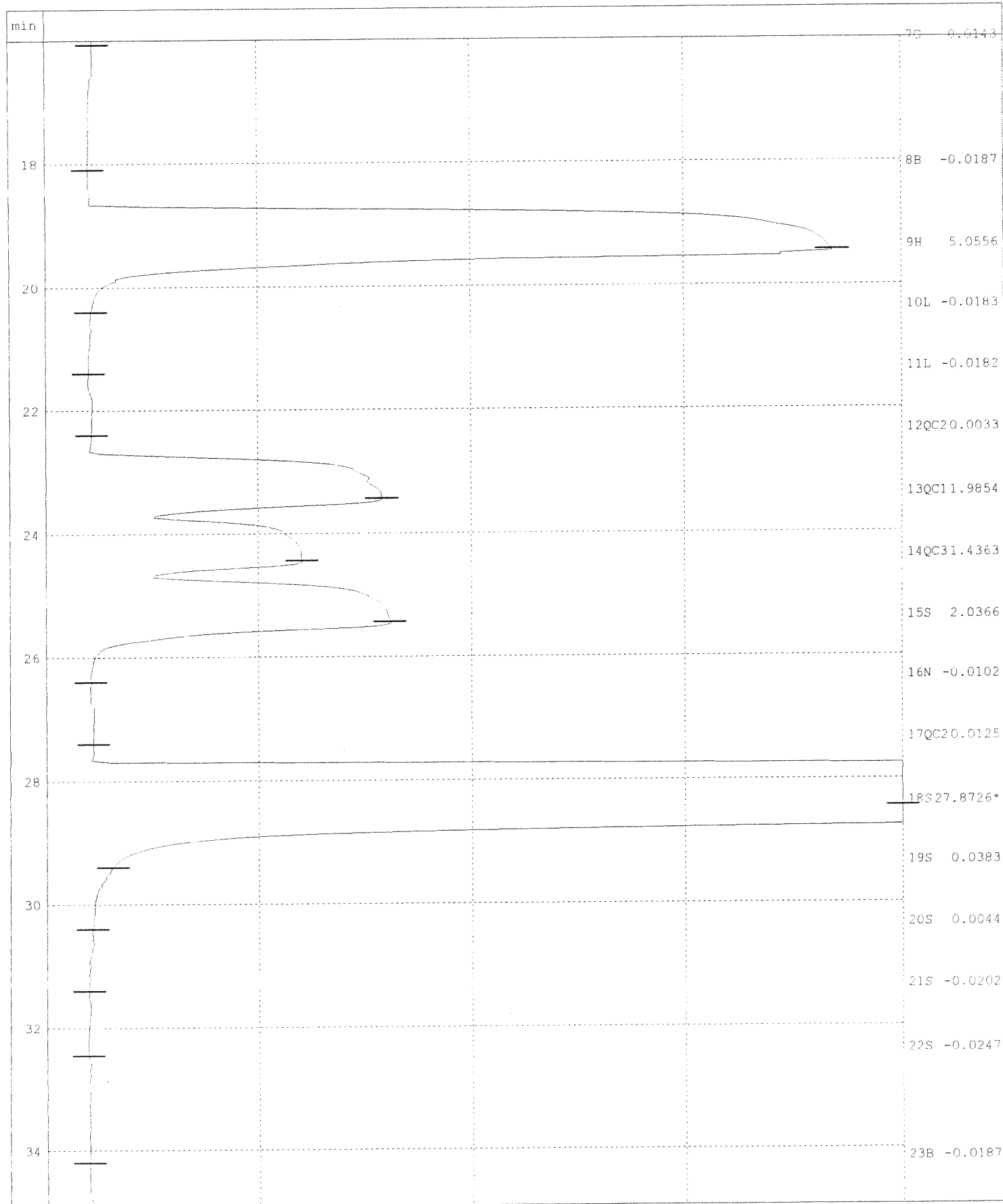
Comment :



*STOP*  
*5/17/10*  
*05/14/10*  
*Howyus*

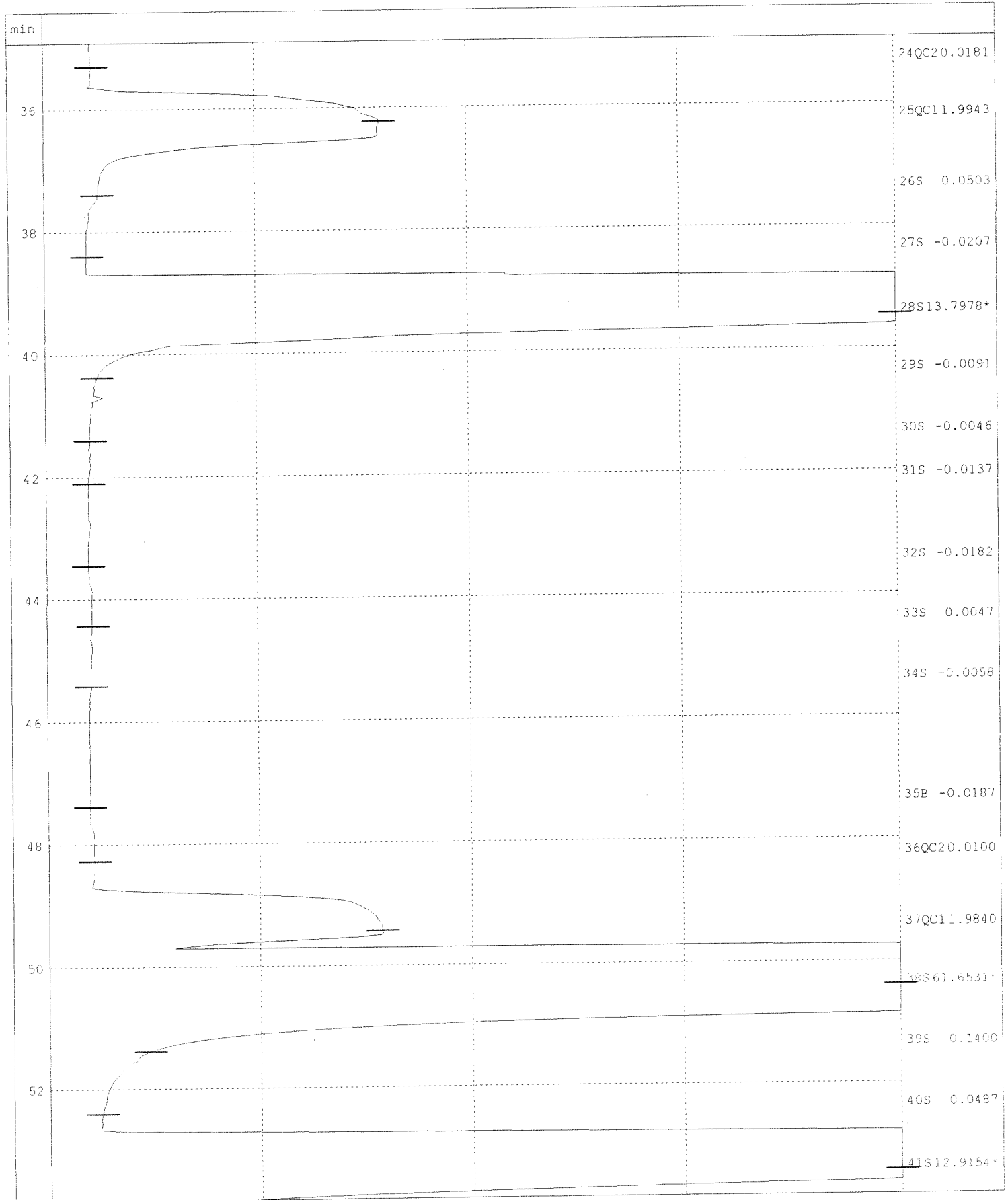
Name of run :080523A.RUN  
Comment :

Name of analysis :Ammonia



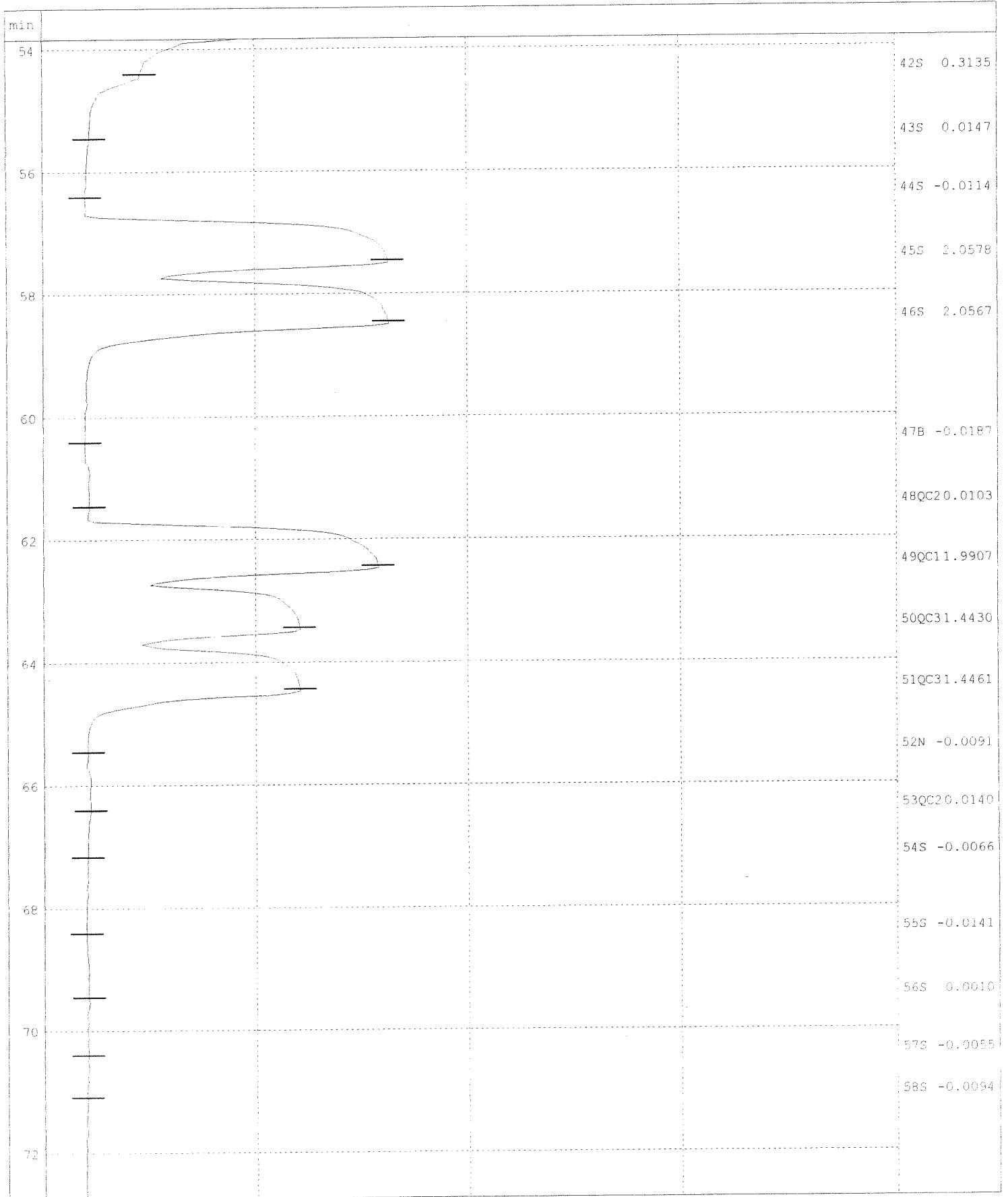
Name of run :080523A.RUN  
Comment :

Name of analysis :Ammonia



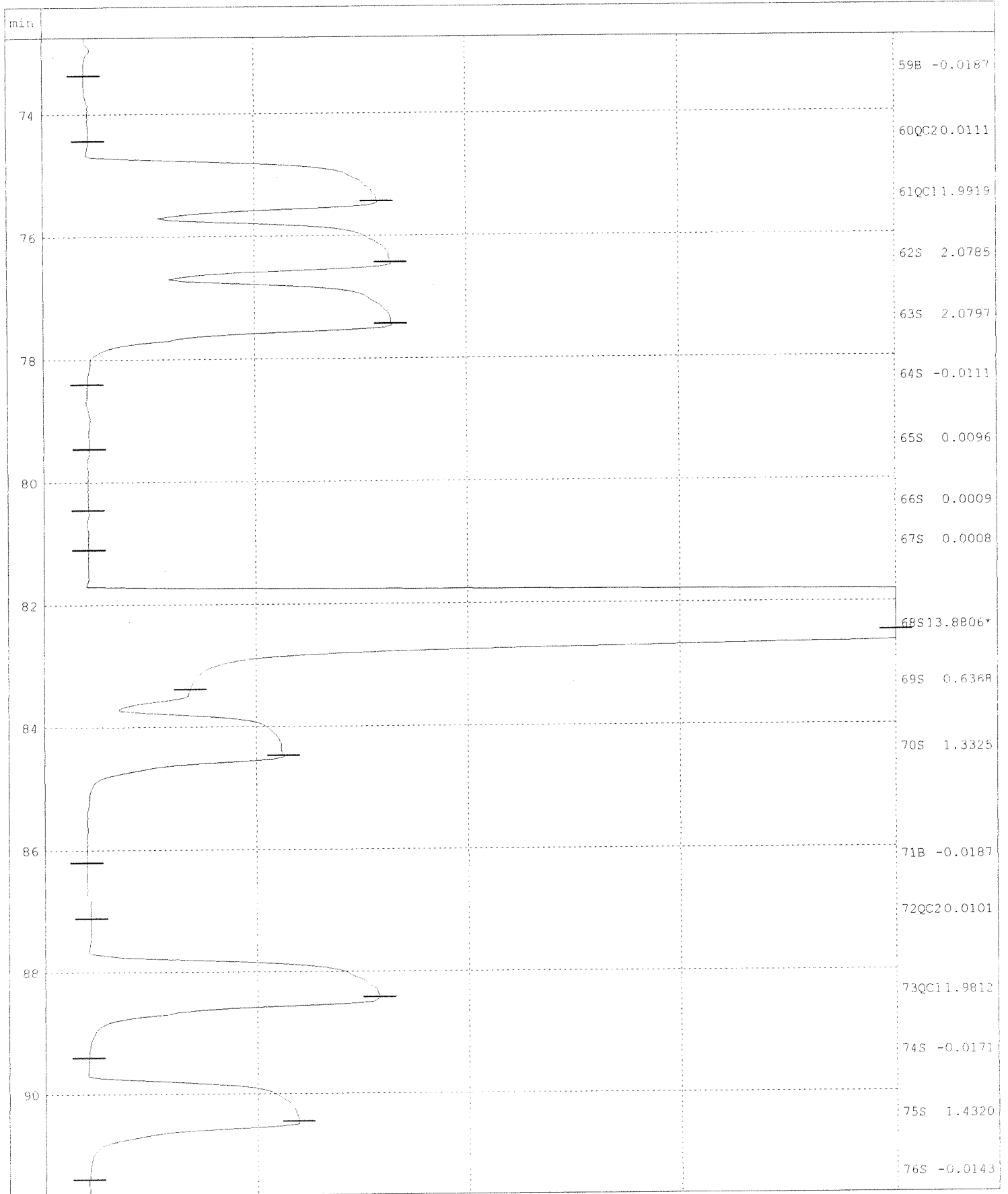
Name of run :080523A.RUN  
Comment :

Name of analysis :Ammonia



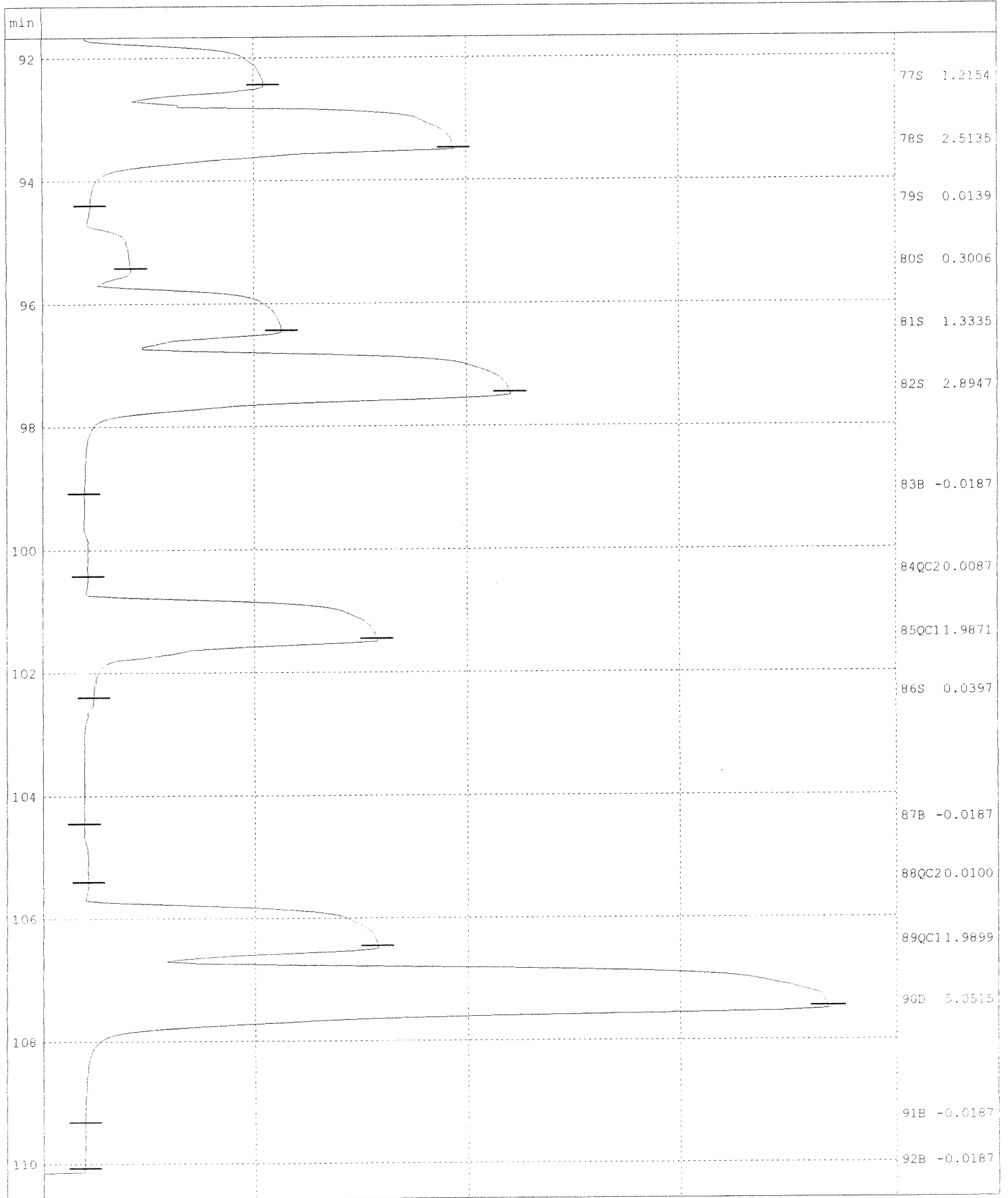
Name of run :080523A.RUN  
Comment :

Name of analysis :Ammonia



Name of run :080523A.RUN  
Comment :

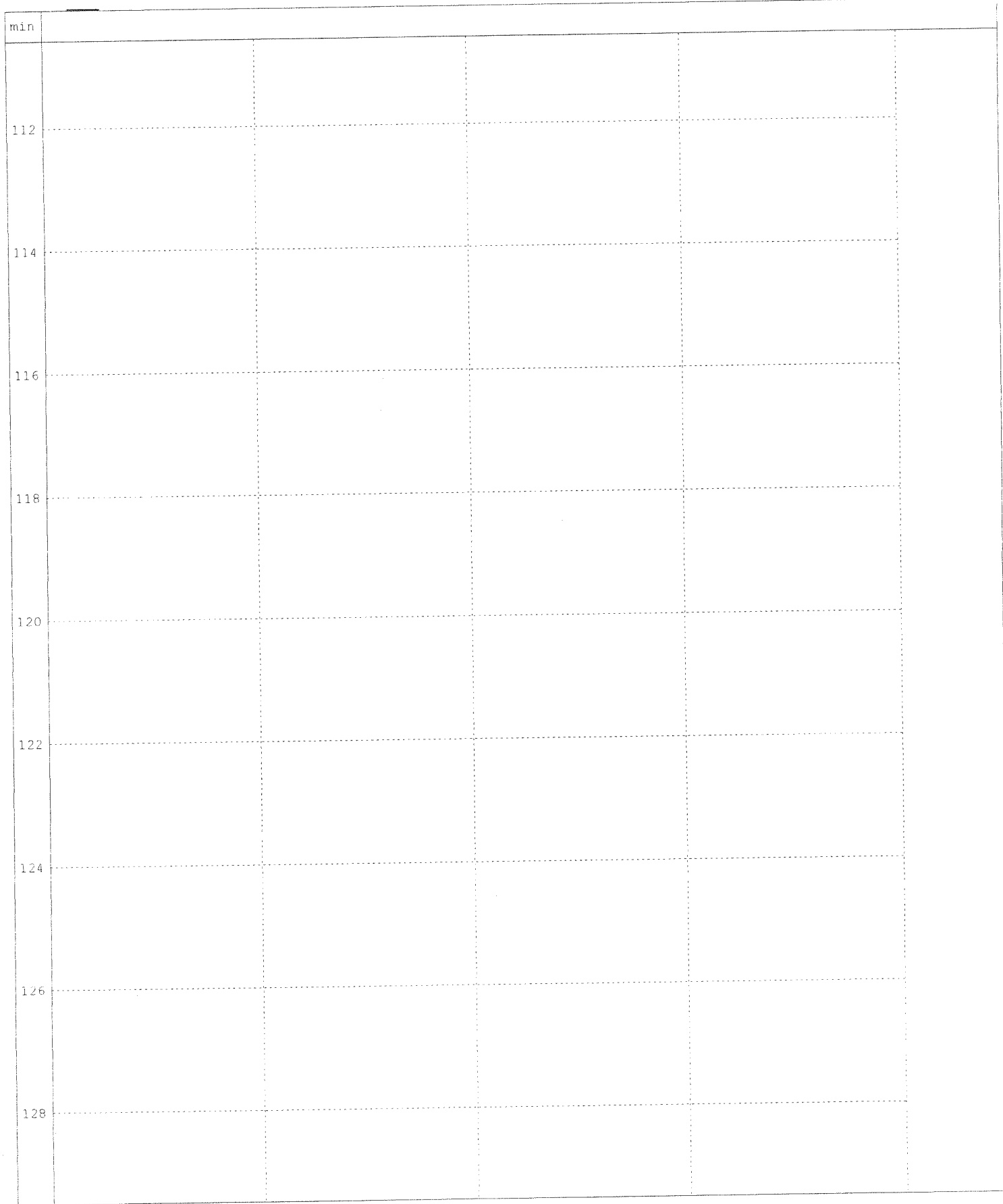
Name of analysis :Ammonia



Name of run :080523A.RUN  
Comment :

Name of analysis :Ammonia

92B -0.0187



Work Request # <sup>Original</sup> (R4744) \_\_\_\_\_  
 Tier: 1 \_\_\_\_\_  
 Date Analyzed: 05/12/10 \_\_\_\_\_  
 Analyst: Howe \_\_\_\_\_  
 Analysis: NO<sub>2</sub>-35362 - 200297

**DATA QUALITY REPORT  
INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

- |     |   |           |
|-----|---|-----------|
| 1.  | Is the method name and number correct and appropriate?  | yes/no/NA |
| 2.  | Holding times met for all analyses and for all samples?   | yes/no/NA |
| 3.  | Are calculations correct?   | yes/no/NA |
| 4.  | Is the reporting basis correct? (Dry Weight)  | yes/no/NA |
| 5.  | All quality control criteria met?   | yes/no/NA |
| a.  | Is the calibration curve correlation coefficient $\geq 0.995$ ?   | yes/no/NA |
| b.  | MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency?                                      | yes/no/NA |
| c.  | Are ICVs, CCVs, and CCBs all within acceptance limits?  | yes/no/NA |
| d.  | Are results for methods blanks all ND?  | yes/no/NA |
| e.  | Are all QC samples within acceptance criteria?<br>(LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.)       | yes/no/NA |
| f.  | Are all exceptions explained?   | yes/no/NA |
| 6.  | Are all service requests that apply attached?   | yes/no/NA |
| 7.  | Are all samples labelled correctly?   | yes/no/NA |
| 8.  | Have all instructions on the service request been followed?<br>(e.g. Special MRLs, QC on a specific sample) | yes/no/NA |
| 9.  | Are detection limits and units reported correctly?  | yes/no/NA |
| 10. | Are proper Analysis/Extraction stickers included on report?   | yes/no/NA |
| 11. | Is the unused space on the benchsheet crossed out?  | yes/no/NA |
| 12. | Was analysis turned in by the due date? (n-2) (If not record SR#)   | yes/no/NA |

**COMMENTS:**

Final Approved by: gml Date: 5/12/10 DQREPORT



V  
K4744

# BRAN+LUEBBE

Post-run report

Name of Run : 100512D  
 Date of Report : 5/12/2010  
 Date of Run : 5/12/2010  
 Operator :  
 Comment :

Name of Analysis : Nitrite.ANL  
 System No. : 1  
 Type of System : AA3  
 Start/Stop time : 12:56 - 13:39

Channel :  
 Method :  
 Unit :  
 Calibr. Fit :  
 Corr. Coeff. :  
 Base :  
 Gain :  
 Sensitivity :  
 Sample Limit 1 :  
 Sample Limit 2 :

Method 2  
 Linear  
 0.9999  
 -20547  
 5  
 1.5747

*LCS ID# : AN/11-27-V - T.V = 4.00  
 (0.4 ml x 100ppm / 10ml = 4.00ppm)  
 Spike ID# : B+LN03/1-94-X T.V = 2.00  
 Curve, (CCV ID# : B+LN03/1-80-S T.V = 2.00*

Pk	Cup	Sample Id	Value
0	0	B Baseline	0.0127
1	1	P Primer	4.9696
2	1	D Drift	4.9982
3	1	C 5.00	5.0175
4	2	C 2.00	1.9541
5	3	C 0.50	0.5021
6	4	C 0.05	0.0608
7	5	C 0	0.0155
8	1	H1 High	5.0161
9	0	L1 Low	0.0232
10	0	L1 Low	0.0148
11	5	QC2 CCB1	0.0148
12	2	QC1 CCV1	1.9399
13	10	QC3 LCS1	3.9317
14	0	N Null	0.0225N
15	5	QC2 MB1	0.0157
16	11	S k1004744-001	0.0204
17	12	S k1004744-001d	0.0198
18	13	S k1004744-001ms	2.0003
19	14	S k1004744-001msd	1.9748
20	15	S k1004744-002	0.0406
21	16	S k1004744-003	0.0149
22	0	B Baseline	0.0105
23	5	QC2 CCB2	0.0128
24	2	QC1 CCV2	1.9502
25	17	S k1004744-004	0.0353
26	0	B Baseline	0.0112

*0.0157 97%  
 1.94  
 3.93 98%*

*$\bar{x} = 0.020$  RPD < 1%*

*0.0167  
 0.0207  
 2.00 99%  
 1.97 98%*

*0.0417  
 0.0157*

*0.0137 98%  
 1.95  
 0.0357*

*SJA  
 5/12/10  
 05/12/10  
 Ferguson*

BRAN+LUEBBE AACE 6.02

Post-run Report

27	5	QC2	CCB3	0.0129	<i>0.0137</i>
28	2	QC1	CCV3	1.9553	<i>1.96</i>
29	1	D	Drift	5.0425	<i>98%</i>
30	0	B	Baseline	0.0133	
31	0	B	FinalBase	0.0122	

QC Limits

Channel	:	2
QC 1	Unused	
QC 2	Unused	
QC 3	Unused	
QC 4	Unused	
QC 5	Unused	
QC 6	Unused	
QC 7	Unused	
QC 8	Unused	
QC 9	Unused	
QC10	Unused	

CORRECTIONS

Channel	:	2
Baseline	:	No
Drift	:	No
Carry over	:	No
%:		0.0

\* ... Sample offscale  
+ ... Result higher than sample limit  
- ... Result lower than sample limit  
P ... Standard passed  
F ... Standard failed  
N ... Value not calculated or not used  
R ... Resample after offscale  
M ... Peak marker moved manually  
D ... Diluted sample

\*\* <END OF REPORT> \*\*

*5/12/10*  
*05/12/10*  
*Frugues*

# BRAN+LUEBBE

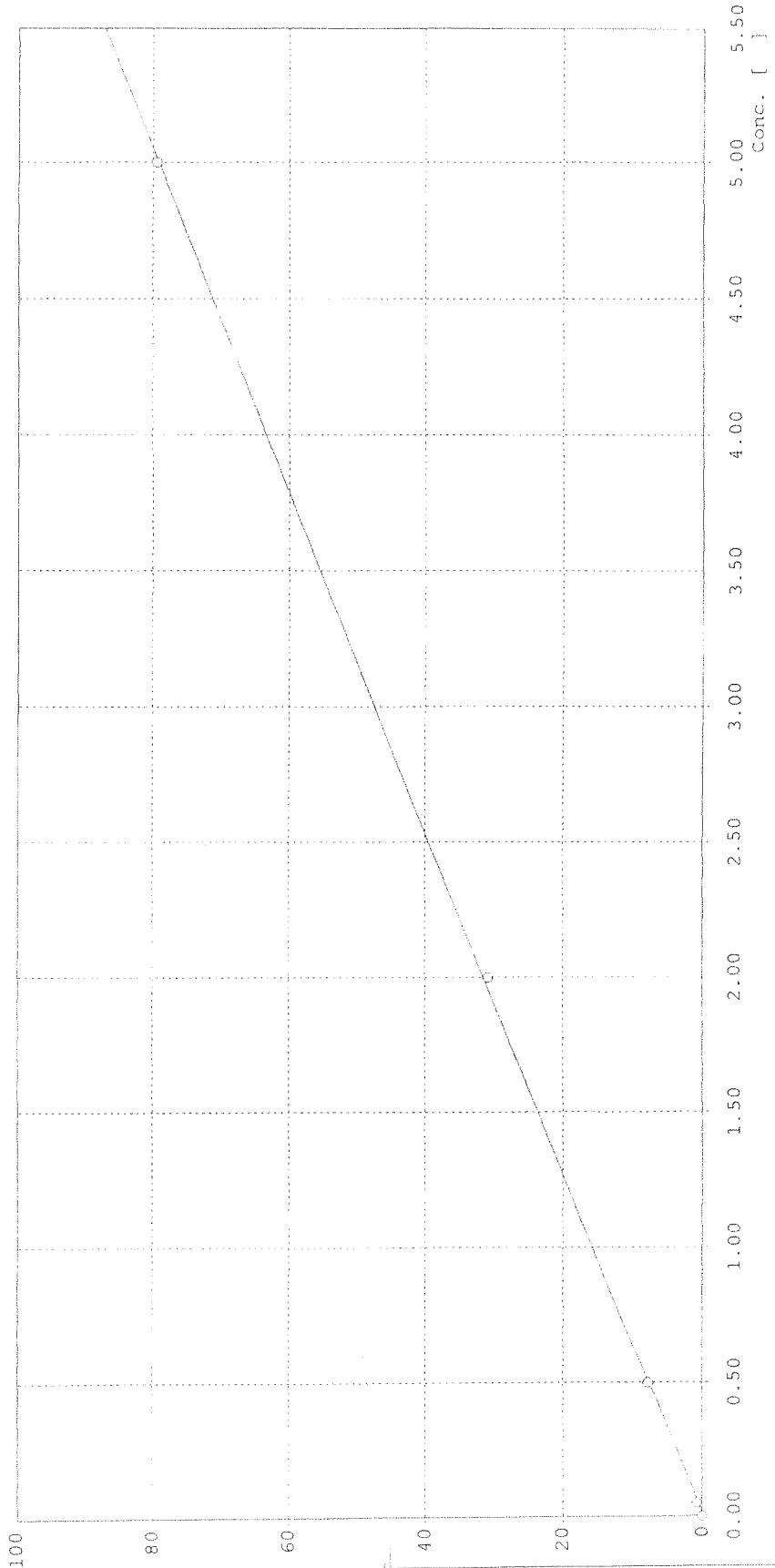
Calibration Curve

Name of run : 100512D.run  
Comment :

Name of analysis : Nitrite.ANL

Channel : 2  
Method : Method 2  
Curve fit : linear      a=-3.0175E-001      b=9.6045E-005  
Corr. Coeff. : 0.9999

Peak (Å)



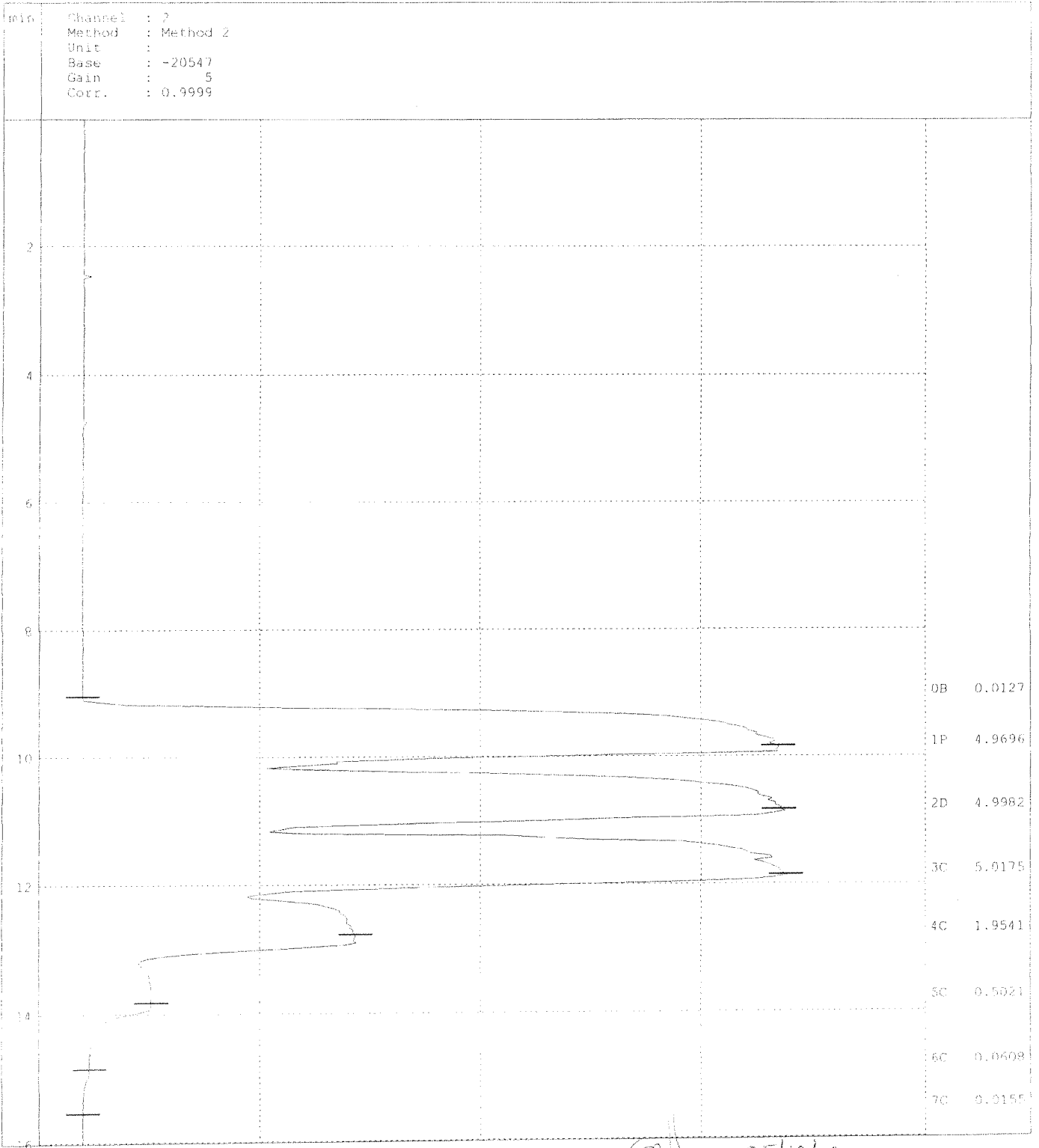
*571  
5/2/10  
Hougen*

# BRAN+LUEBBE

Post-run chart

Name of run :100512D.RUN  
Comment :

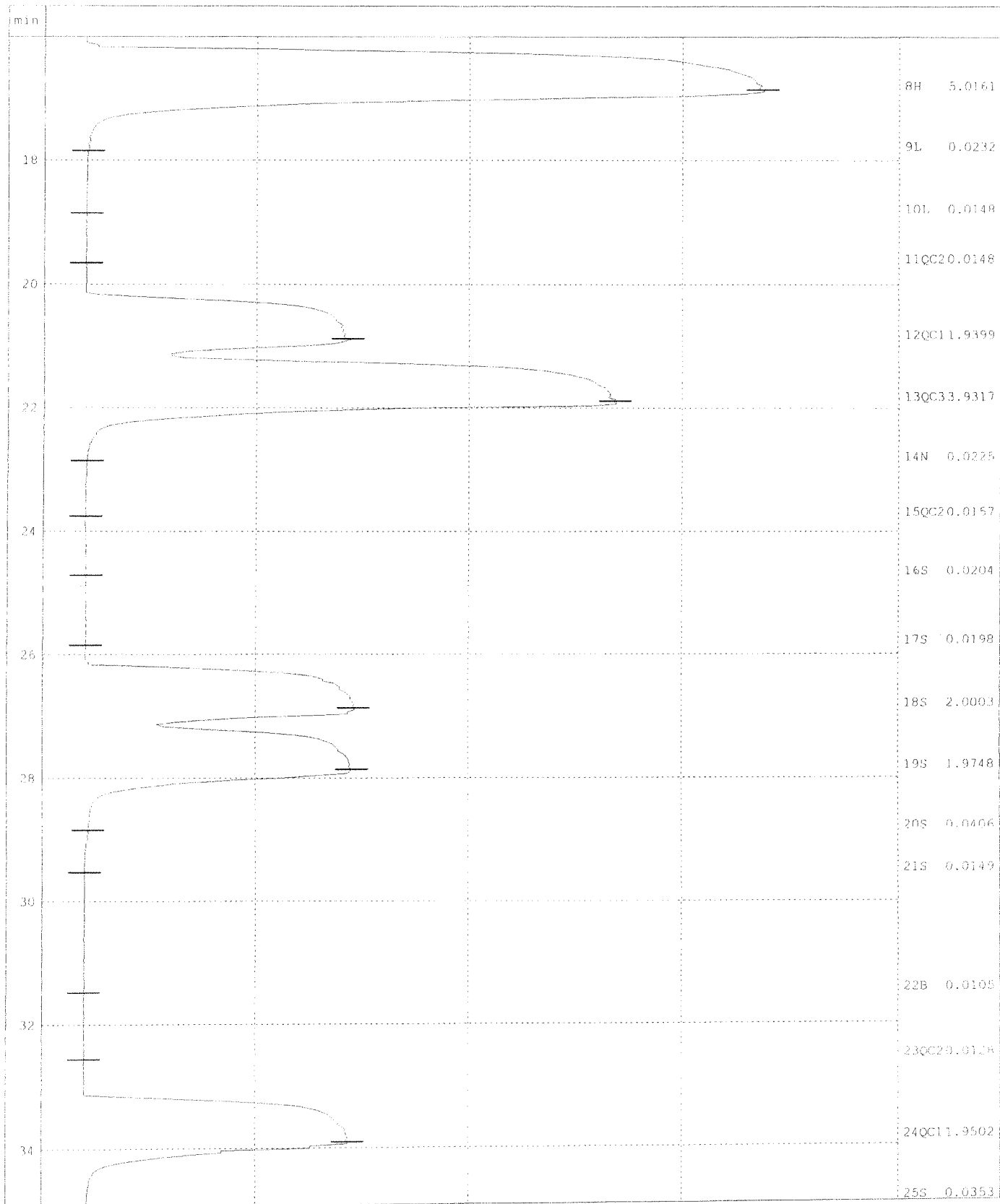
Name of analysis :Nitrite.ANL



*5/12/10*  
*5/12/10*  
*Haugen*

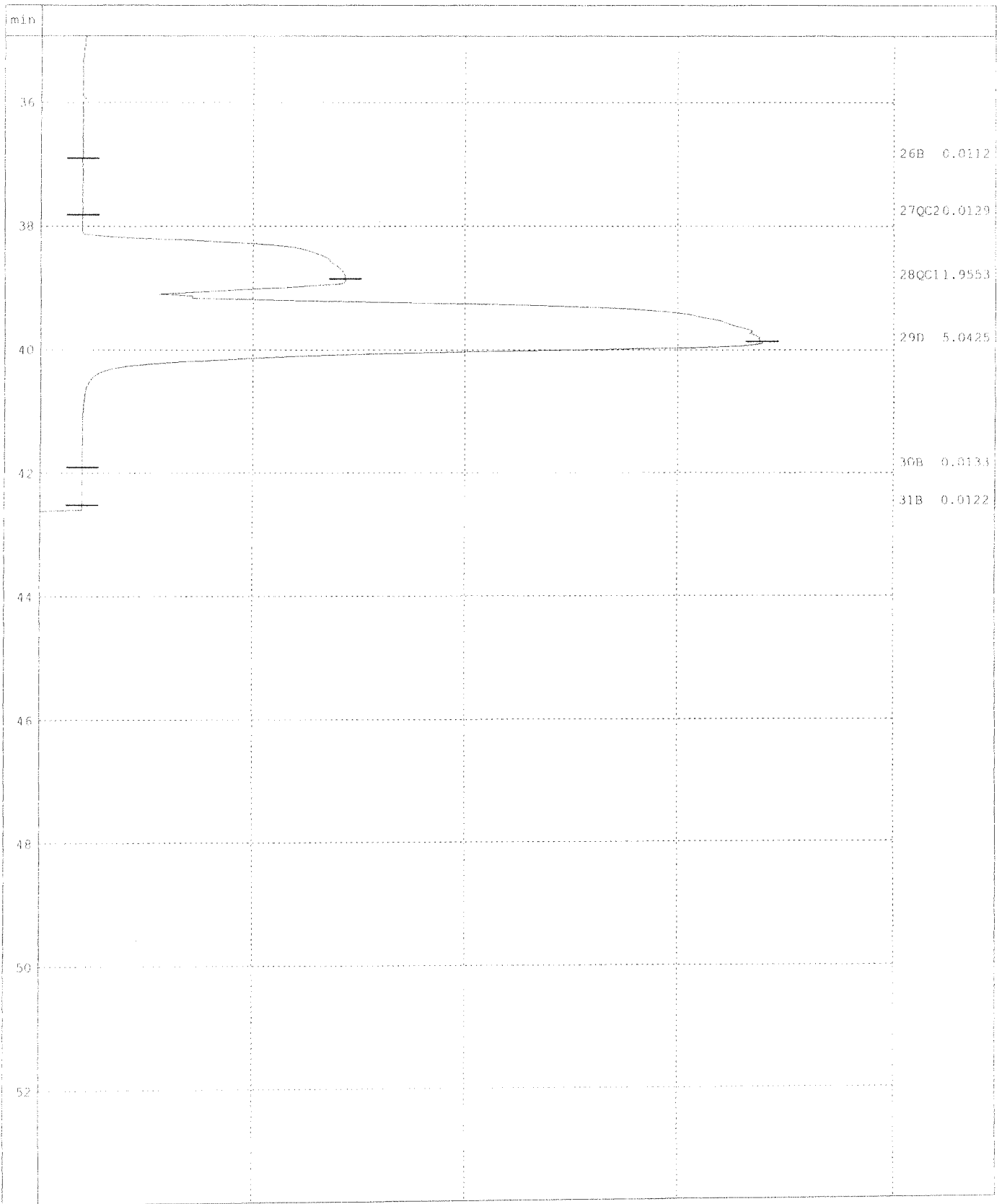
Name of run :100512D.RUN  
Comment :

Name of analysis :Nitrite.ANL



Name of run :100512D.RUN  
Comment :

Name of analysis :Nitrite.ANL



Work Request # (Original) K4744 K4773 K4780 K4813 K4814 K4818  
 Tier: I I III V III III  
 Date Analyzed: 05/19/10  
 Analyst: Henry  
 Analysis: NO<sub>2</sub>/NO<sub>3</sub> - 353.2 200767

**DATA QUALITY REPORT  
INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1. Is the method name and number correct and appropriate?  yes/no/NA
2. Holding times met for all analyses and for all samples?  yes/no/NA
3. Are calculations correct?  yes/no/NA
4. Is the reporting basis correct? (Dry Weight)  yes/no/NA
5. All quality control criteria met?  yes/no/NA
  - a. Is the calibration curve correlation coefficient  $\geq 0.995$ ?  yes/no/NA
  - b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency?  yes/no/NA
  - c. Are ICVs, CCVs, and CCBs all within acceptance limits?  yes/no/NA
  - d. Are results for methods blanks all ND?  yes/no/NA
  - e. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.)  yes/no/NA
  - f. Are all exceptions explained?  yes/no/NA
6. Are all service requests that apply attached?  yes/no/NA
7. Are all samples labelled correctly?  yes/no/NA
8. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample)  yes/no/NA
9. Are detection limits and units reported correctly?  yes/no/NA
10. Are proper Analysis/Extraction stickers included on report?  yes/no/NA
11. Is the unused space on the benchsheet crossed out?  yes/no/NA
12. Was analysis turned in by the due date? (n-2) (If not record SR#)  yes/no/NA

**COMMENTS:**

Final Approved by: [Signature] Date: 5/17/10 DQREPORT

III, I, III, V, III, III  
 K4744, K4773, K4780, K4813, K4814, K4818

# BRAN+LUEBBE

Post-run report

Name of Run : 100515B  
 Date of Report : 5/15/2010  
 Date of Run : 5/15/2010  
 Operator :  
 Comment :

Name of Analysis : NO2+NO3  
 System No. : 1  
 Type of System : AA3  
 Start/Stop time : 11:27 - 13:24

Channel : 2  
 Method : Method 2  
 Unit : mg/L  
 Calibr. Fit : Linear  
 Corr. Coeff. : 0.9999  
 Base : -20673  
 Gain : 5  
 Sensitivity : 1.5850  
 Sample Limit 1 :  
 Sample Limit 2 :

LCS ID# : B+LNO<sub>3</sub>/I - 34-J T.V.=14.8  
 Spike ID# : B+LNO<sub>3</sub>/I - 94-Y T.V.=2.00  
 Curve, CCV ID# : B+LNO<sub>3</sub>/I - 85-V T.V.=2.00  
 ICV ID# : B+LNO<sub>3</sub>/I - 80-S T.V.=2.00  
 MBMS = 2.00

Pk	Cup	Sample Id	Value
0	0	B Baseline	-0.0244
1	1	P primer	4.9125
2	1	D Drift	5.0471
3	1	C 5.00	4.9818
4	2	C 2.00	2.0467
5	3	C 0.50	0.4913
6	4	C 0.05	0.0384
7	5	C 0	-0.0081
8	1	H1 High	4.9200
9	0	L1 Low	-0.0480
10	0	L1 Low	0.0177
11	9	QC3 ICV	1.9465
12	5	QC2 ICB	-0.0003
13	5	QC2 CCB1	-0.0180
14	2	QC1 CCV1	2.0294
15	10	QC4 LCS1*10	1.4594
16	11	S MB MS	1.9361
17	0	N Null	-0.0191N
18	5	QC2 MB1	-0.0208
19	27	S k1004744-001	9.6322*
20	28	S k1004744-001d	9.2369*
21	29	S k1004744-001ms	16.1028*
22	30	S k1004744-001msd	16.1039*
23	31	S k1004744-002	16.1048*
24	0	B Baseline	-0.0244
25	5	QC2 CCB2	-0.0090
26	2	QC1 CCV2	2.0539

1.95 98%  
 <0.009  
 <0.009  
 2.03 102%  
 14.6 99%  
 1.94 97%

} NR

<0.009  
 2.05 103%

5/17/10

05/15/10  
 Henry



27	12	S	k1004743-001	0.0955	} NR
28	13	S	k1004743-002	0.0045	
29	32	S	k1004744-003	0.0023 <0.009	
30	33	S	k1004744-004	16.1249*	}
31	34	S	k1004773-001	1.0576	
32	35	S	k1004780-001	1.5797	1.58
33	36	S	k1004813-001	0.7700	0.770
34	37	S	k1004813-002	0.7732	0.773
35	38	S	k1004813-003	1.8598	1.86
36	0	B	Baseline	-0.0244	
37	5	QC2	CCB3	0.0014	<0.009
38	2	QC1	CCV3	2.0522	2.05
39	39	S	k1004813-003d	1.8541	1.85
40	40	S	k1004813-003ms	4.1545	} NR
41	41	S	k1004813-003msd	4.1239	
42	42	S	k1004814-001	1.8824	1.88
43	43	S	k1004814-001d	1.8962	1.90
44	44	S	k1004814-001ms	4.1935	} NR
45	45	S	k1004814-001msd	4.1264	
46	46	S	k1004814-002	16.1528*	} NR
47	47	S	k1004814-003	6.2139*	
48	0	B	Baseline	-0.0244	
49	5	QC2	CCB4	0.0082	<0.009
50	2	QC1	CCV4	2.0103	2.01
51	10	QC4	LCS2*10	1.4735	14.7
52	0	N	Null	-0.0110N	
53	5	QC2	MB2	-0.0056	<0.009
54	48	S	k1004814-004	2.8927	2.89
55	49	S	k1004814-005	0.0459	0.046 J
56	50	S	k1004814-006	0.0541	0.054
57	51	S	k1004818-001	0.0083	<0.009
58	52	S	k1004818-001d	0.0064	<0.009
59	53	S	k1004818-001ms	2.2452	NR
60	0	B	Baseline	-0.0244	
61	5	QC2	CCB5	-0.0137	<0.009
62	2	QC1	CCV5	2.0338	2.03
63	54	S	k1004818-001msd	2.3158	NR
64	55	S	k1004818-002	0.0131	0.013 J
65	56	S	k1004818-004	0.0278	0.028 J
66	57	S	k1004818-007	0.0764	0.076
67	0	N	Null	-0.0100N	
68	12	S	k1004744-001*10	0.8804	8.80
69	13	S	k1004744-001d*10	0.8750	8.75
70	14	S	k1004744-001ms*10	2.7929	27.9
71	15	S	k1004744-001msd*10	2.7892	27.9
72	0	B	Baseline	-0.0244	
73	5	QC2	CCB6	-0.0146	<0.009
74	2	QC1	CCV6	2.0474	2.05
75	16	S		4.0243	} NR
76	17	S		0.8079	
77	18	S	k1004744-002*10	3.4853	34.9
78	34	S	k1004773-001	0.9740	0.974

103%  $\bar{x} = 1.86$  RPD < 1%

$\bar{x} = 1.89$  RPD = 1%

101%  
99%

5/17/10

$\bar{x} = 8.78$  RPD < 1%  
96% (spike = 0.1 ml x 100 ppm / 0.5 ml = 20.0)  
96%

102%

05/15/10  
Hougen

79	19	S	k1004744-004*10	1.5800	15.8	
80	20	S	rinse	-0.0074		
81	21	S	k1004813-001ms	3.8836	3.88	101%
82	22	S	k1004813-001msd	3.8858	3.89	102%
83	23	S	k1004814-001ms	3.8707	3.87	100%
84	0	B	Baseline	-0.0244		
85	5	QC2	CCB7	-0.0129	<0.009	
86	2	QC1	CCV7	2.0373	2.04	102%
87	24	S	k1004814-001msd	3.8237	3.82	97%
88	25	S	k1004814-002*10	2.6154	26.2	
89	26	S	k1004814-003*5	1.2093	6.05	
90	27	S	k1004818-001ms	2.0388	2.04	102%
91	28	S	k1004818-001msd	1.9902	1.99	100%
92	0	B	Baseline	-0.0244		
93	5	QC2	CCB8	-0.0053	<0.009	
94	2	QC1	CCV8	1.9978	2.00	100%
95	1	D	Drift	5.0471		
96	0	B	Baseline	-0.0244		
97	0	B	FinalBase	-0.0244		

QC Limits

Channel	:	2
QC 1	Unused	
QC 2	Unused	
QC 3	Unused	
QC 4	Unused	
QC 5	Unused	
QC 6	Unused	
QC 7	Unused	
QC 8	Unused	
QC 9	Unused	
QC10	Unused	

CORRECTIONS

Channel	:	2
Baseline	:	Yes
Drift	:	Yes
Carry over	:	No
%:		Negative

- \* ... Sample offscale
- + ... Result higher than sample limit
- ... Result lower than sample limit
- P ... Standard passed
- F ... Standard failed
- N ... Value not calculated or not used
- R ... Resample after offscale
- M ... Peak marker moved manually
- D ... Diluted sample

*SM*  
5/17/10

05/15/10  
*Henry*

\*\* <END OF REPORT> \*\*

5/17/10  
05/19/10  
Huang

# BRAN+LUEBBE

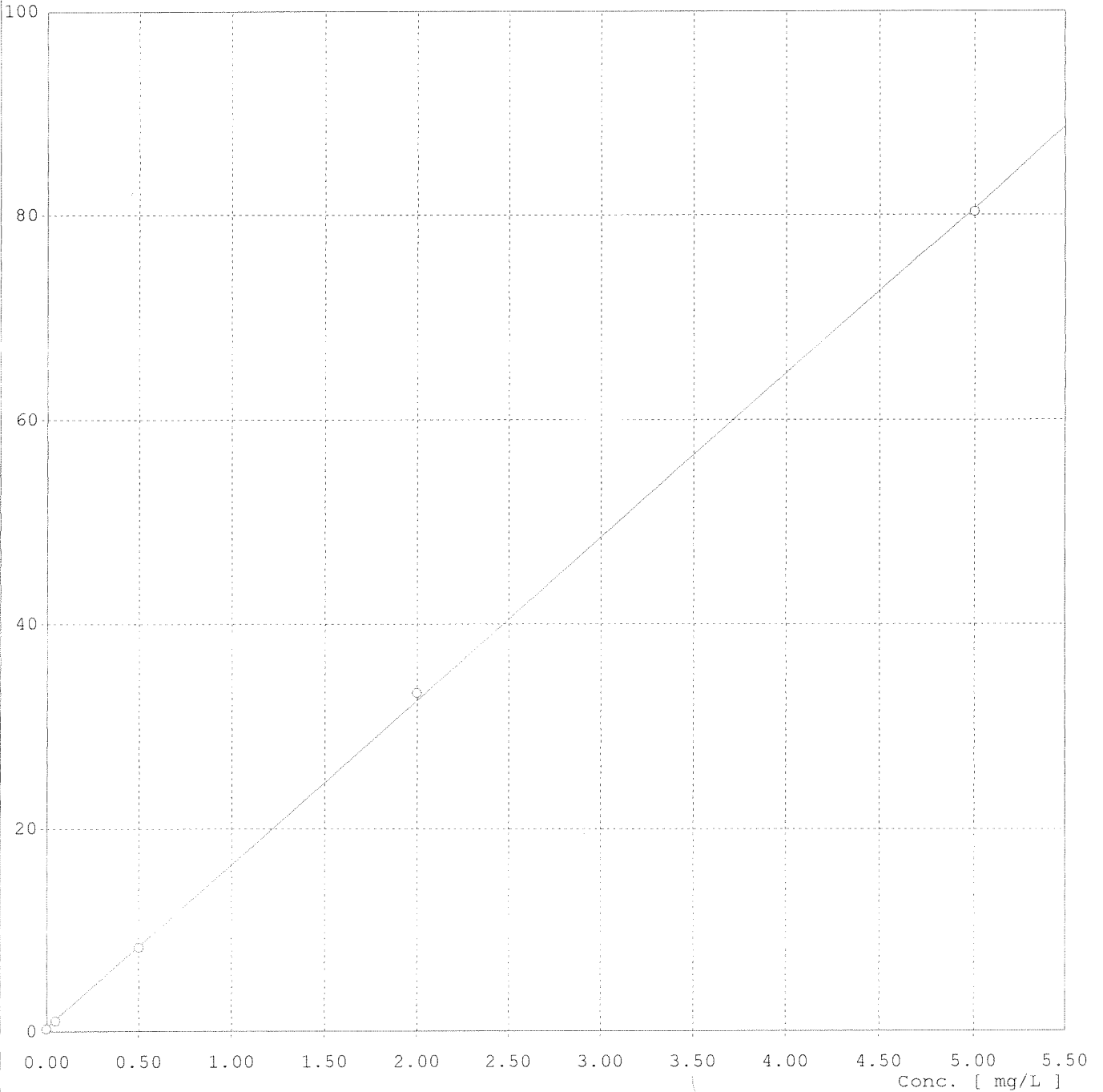
## Calibration Curve

Name of run :100515B.run  
Comment :

Name of analysis :NO2+NO3

Channel :2  
Method :Method 2  
Curve fit :linear a=-3.3489E-001 b=9.5076E-005  
Corr. coeff. :0.9999

Peak [%]



*Handwritten:* 5/17/10

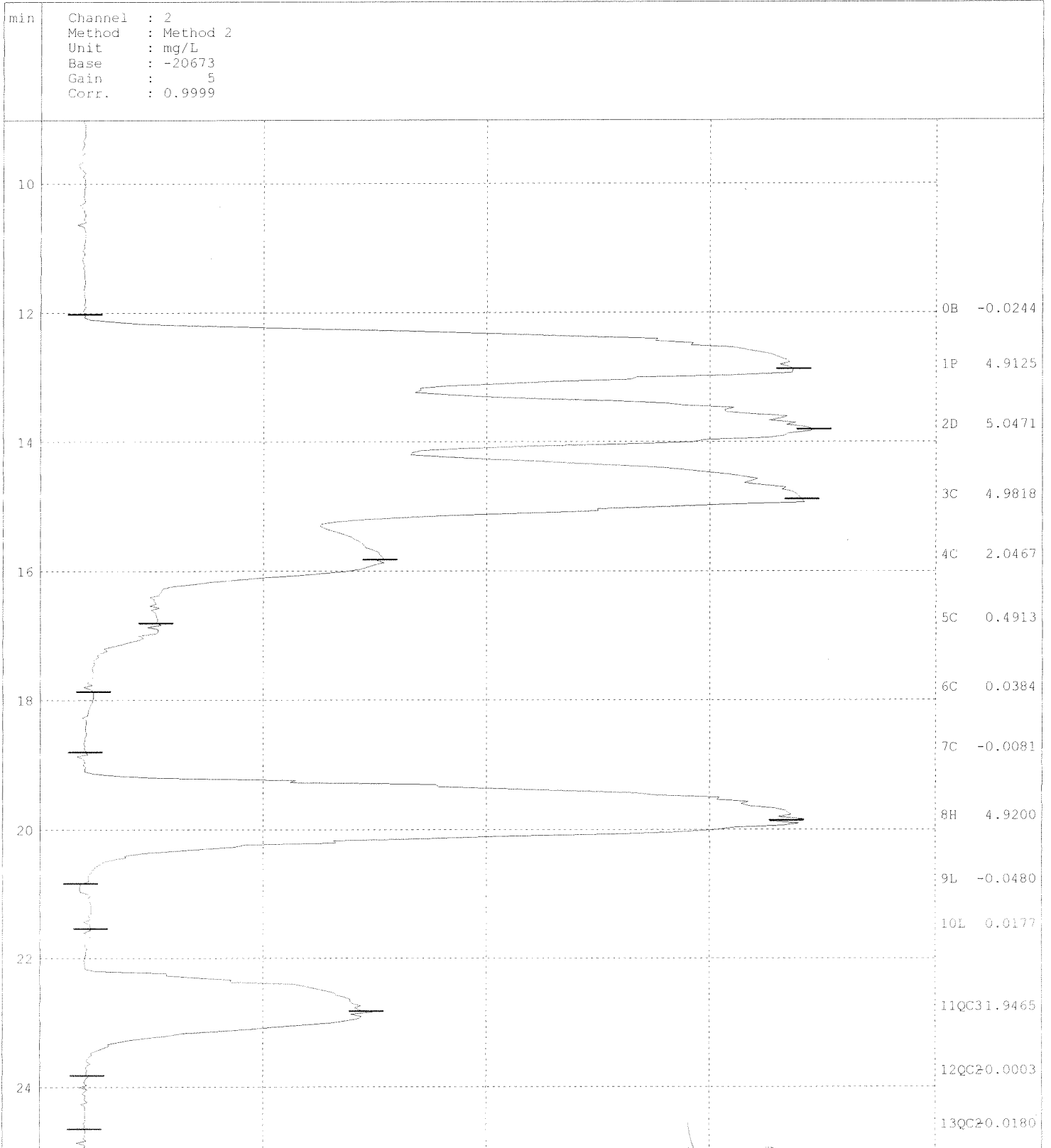
*Handwritten:* 05/19/10  
Hansen

# BRAN+LUEBBE

Post-run chart

Name of run :100515B.RUN  
Comment :

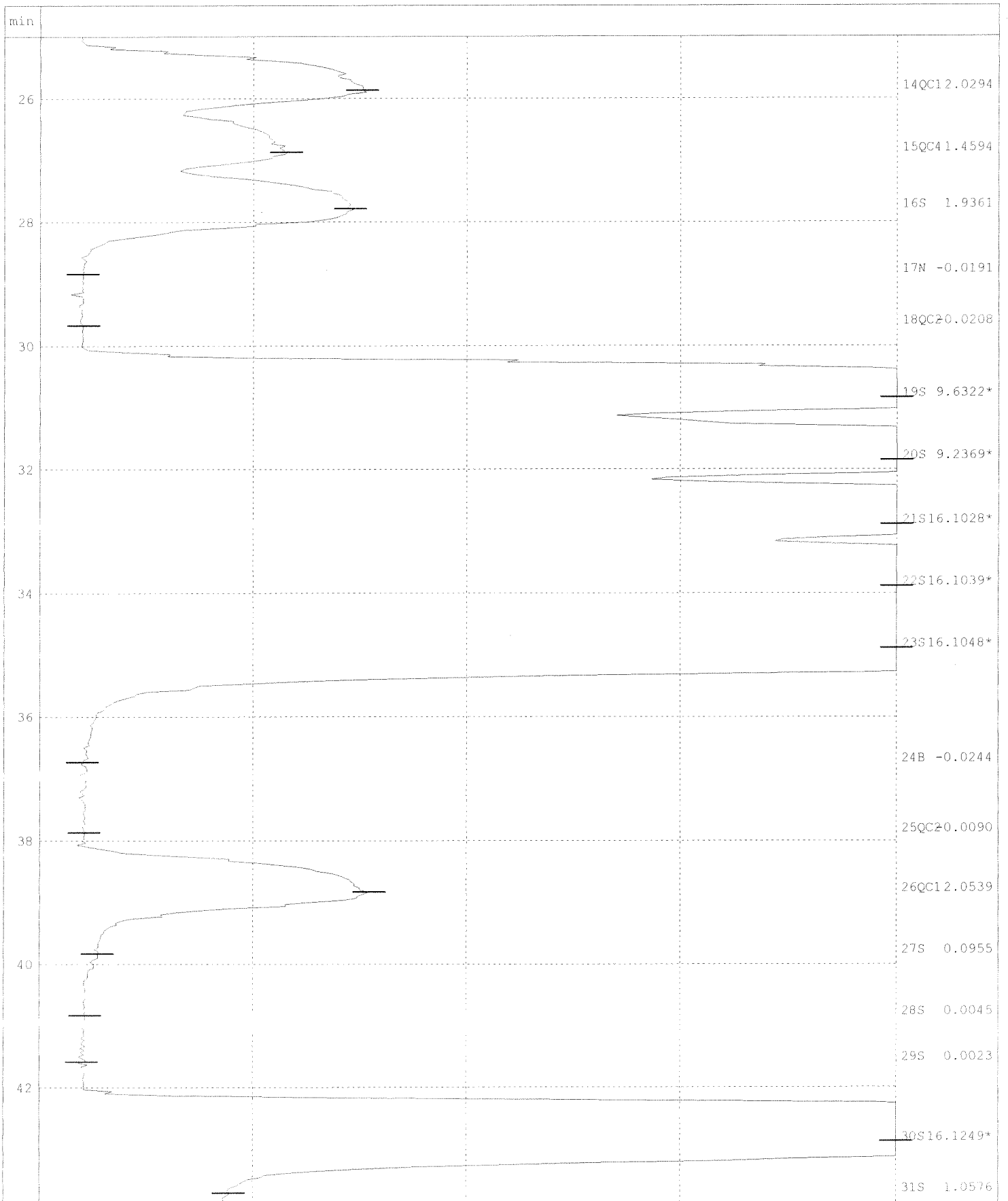
Name of analysis :NO2+NO3



*SAT 5/17/10*  
*05/15/10*  
*Floury*

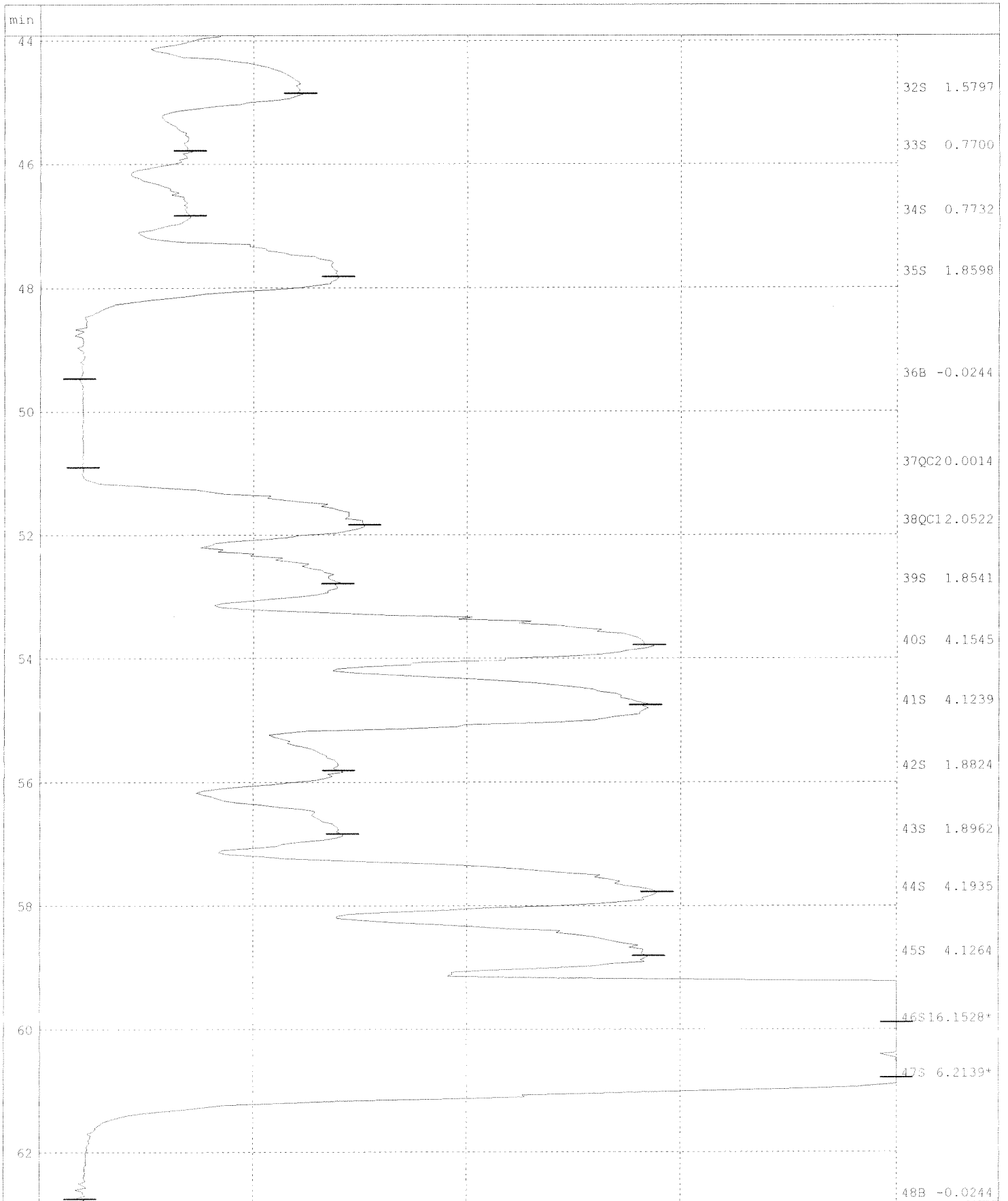
Name of run :100515B.RUN  
Comment :

Name of analysis :NO2+NO3



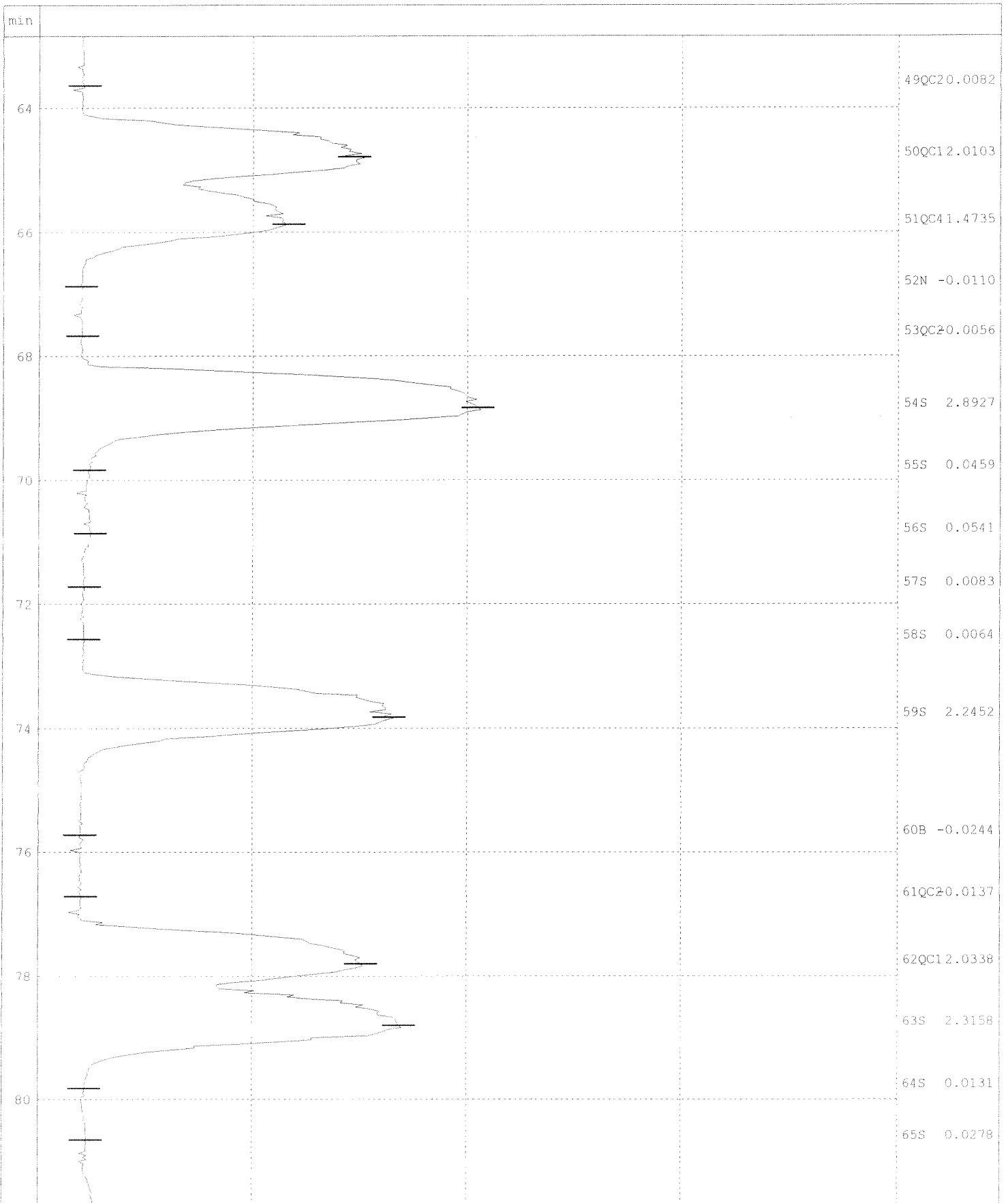
Name of run :100515B.RUN  
Comment :

Name of analysis :NO2+NO3



Name of run :100515B.RUN  
Comment :

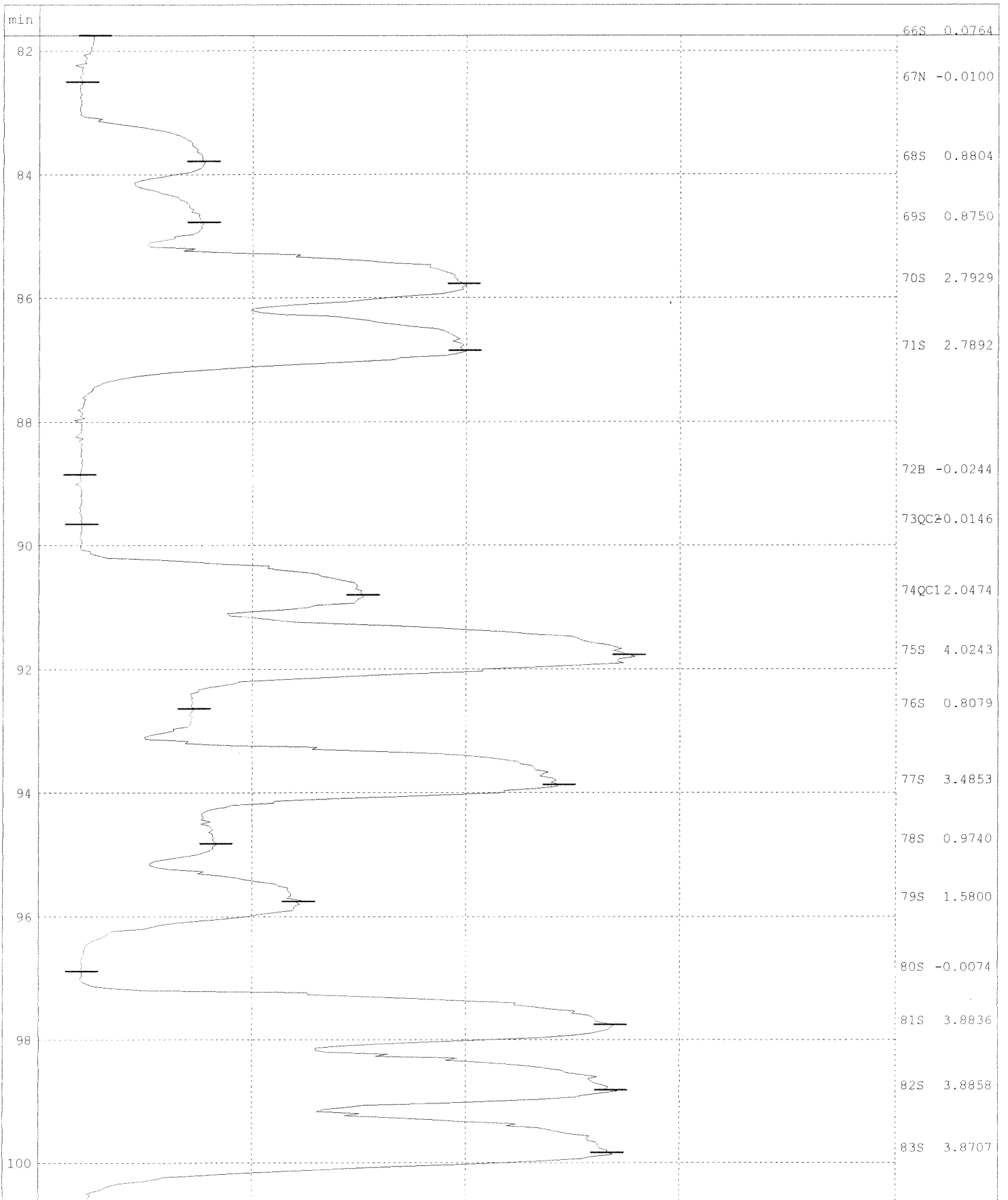
Name of analysis :NO2+NO3





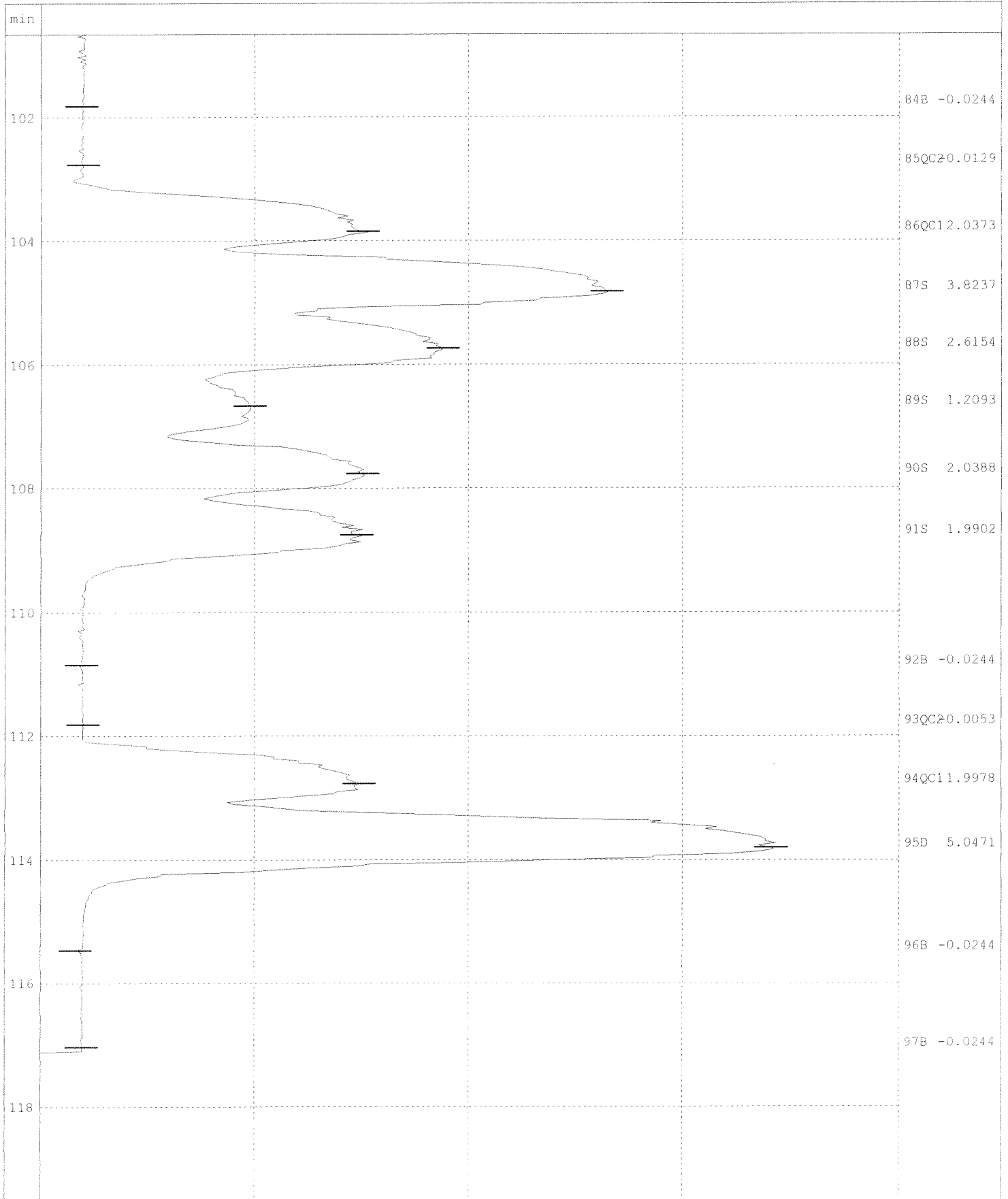
Name of run :100515B.RUN  
Comment :

Name of analysis :NO2+NO3



Name of run :100515B.RUN  
Comment :

Name of analysis :NO2+NO3



Work Request # <sup>Original</sup> 134744  
 Tier: IH  
 Date Analyzed: 5/12/10  
 Analyst: J  
 Analysis: 365.3 OPhen

200362

**DATA QUALITY REPORT  
INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1. Is the method name and number correct and appropriate?  yes/no/NA
2. Holding times met for all analyses and for all samples?  yes/no/NA
3. Are calculations correct?  yes/no/NA
4. Is the reporting basis correct? (Dry Weight)  yes/no/NA
5. All quality control criteria met?  yes/no/NA
  - a. Is the calibration curve correlation coefficient  $\geq 0.995$ ?  yes/no/NA
  - b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency?  yes/no/NA
  - c. Are ICVs, CCVs, and CCBs all within acceptance limits?  yes/no/NA
  - d. Are results for methods blanks all ND?  yes/no/NA
  - e. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.)  yes/no/NA
  - f. Are all exceptions explained?  yes/no/NA
6. Are all service requests that apply attached?  yes/no/NA
7. Are all samples labelled correctly?  yes/no/NA
8. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample)  yes/no/NA
9. Are detection limits and units reported correctly?  yes/no/NA
10. Are proper Analysis/Extraction stickers included on report?  yes/no/NA
11. Is the unused space on the benchsheet crossed out?  yes/no/NA
12. Was analysis turned in by the due date? (n-2) (If not record SR#)  yes/no/NA

**COMMENTS:**

Final Approved by: [Signature] Date: 5/13/10 DQREPORT

# Analytical Results Summary

Instrument Name: K-UV-VIS-01

Analyst: SARWOOD

Analysis Lot:

200362

Method/Testcode: 365.3/O Phos T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	POL	% Rec	% RSD	Date Analyzed	QC? Tier
1004744-001	Orthophosphate as Phosphorus	N/A		Water	0.09 mg/L	50 mL	0.086 mg/L	1	0.004	0.010			5/12/10 11:00:00	N V
1004744-002	Orthophosphate as Phosphorus	N/A		Water	0.00 mg/L	50 mL	0.010 mg/L	1	0.004	0.010			5/12/10 11:00:00	N V
1004744-003	Orthophosphate as Phosphorus	N/A		Water	0.00 mg/L	50 mL	0.010 mg/L	1	0.004	0.010			5/12/10 11:00:00	N V
1004744-004	Orthophosphate as Phosphorus	N/A		Water	0.07 mg/L	50 mL	0.068 mg/L	1	0.004	0.010			5/12/10 11:00:00	N V
Q1004270-01	Orthophosphate as Phosphorus	CCB		Water	0.00 mg/L	50 mL	0.010 mg/L	1	0.004	0.010			5/12/10 11:00:00	N V
Q1004270-02	Orthophosphate as Phosphorus	CCV		Water	0.51 mg/L	0.5 mL	50.9 mg/L	1	0.4	1.0			5/12/10 11:00:00	N V
Q1004270-03	Orthophosphate as Phosphorus	MB		Water	0.00 mg/L	50 mL	0.010 mg/L	1	0.004	0.010			5/12/10 11:00:00	N V
Q1004270-04	Orthophosphate as Phosphorus	LCS		Water	0.35 mg/L	5 mL	3.51 mg/L	1	0.04	0.10	98		5/12/10 11:00:00	N V
Q1004270-05	Orthophosphate as Phosphorus	MS	K1004744-001	Water	0.28 mg/L	50 mL	0.283 mg/L	1	0.004	0.010	98		5/12/10 11:00:00	N V
Q1004270-06	Orthophosphate as Phosphorus	DMS	K1004744-001	Water	0.48 mg/L	50 mL	0.477 mg/L	1	0.004	0.010	98		5/12/10 11:00:00	N V
Q1004270-07	Orthophosphate as Phosphorus	DUP	K1004744-001	Water	0.09 mg/L	50 mL	0.087 mg/L	1	0.004	0.010		1	5/12/10 11:00:00	N V
Q1004270-08	Orthophosphate as Phosphorus	CCV		Water	0.51 mg/L	0.5 mL	50.6 mg/L	1	0.4	1.0			5/12/10 11:00:00	N V
Q1004270-09	Orthophosphate as Phosphorus	CCB		Water	0.00 mg/L	50 mL	0.010 mg/L	1	0.004	0.010			5/12/10 11:00:00	N V

*SARWOOD*  
5/13/10

Indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

DU520 S/N: 0112U2001732 1.03  
 12-MAY-10 11:47:29 SCA Group 0801  
 Wavelength: 650.0 nm  
 Formula: A=a+bC a: 0.0004 b: 2.0583

Sample		Net A	Dil X	mg/L
0001	CCB	-0.000	1.0000	-0.0002
0002	CCV	1.048	1.0000	0.5089
0003	MB	-0.003	1.0000	-0.0017
0004	LCS	0.722	1/10	0.3507
0005	K4744-1	0.178	1.0000	0.0864
0006	-1	0.179	1.0000	0.0869
0007	-1a	0.582	1.0000	0.2828
0008	-1a	0.981	1.0000	0.4766
0009	-2	-0.003	1.0000	-0.0018
0010	-3	-0.002	1.0000	-0.0009
0011	-4	0.141	1.0000	0.0683
0012	CCB2	-0.004	1.0000	-0.0021
0013	CCV2	1.043	1.0000	0.5063

~~Returned Analyte Positions A 5/13/10~~  
 5/12/10  
 Wrong date collected on SK originally  
 Samples w/in hold.

5/13/10  
 5/13/10

DU520 S/N: 0112U2001732 1.03  
12-MAY-10 11:46:32 SCA  
Wavelength: 650.0 nm  
Formula:  $A=a+bC$  a: 0.0004 b: 2.0583

OKhos  
5/12/10  
1100 am  
K4744

mg/L	Net A	$r^2=0.999$	$Var=0.0003$
0.0000	-0.000		
0.0100	0.022		
0.0500	0.106		
0.1000	0.201		
0.2000	0.402		
0.5000	1.061		
0.7000	1.422		

CURVE ID# PO<sub>3</sub>/3-4-K

CCV ID# PO<sub>3</sub>/3-24-K

5/13/10


Work Request # <sup>Original</sup> (K4791) K4744 K4743 K4711 K4935 K4796  
 Tier: I II III IV V VI  
 Date Analyzed: 5/20/10  
 Analyst: DL  
 Analysis: Alk/bicarb/Carbonate/Hydroxide

**DATA QUALITY REPORT  
 INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

- 1. Is the method name and number correct and appropriate? yes/no/NA
- 2. Holding times met for all analyses and for all samples? yes/no/NA
- 3. Are calculations correct? yes/no/NA
- 4. Is the reporting basis correct? (Dry Weight) yes/no/NA
- 5. All quality control criteria met? yes/no/NA
  - a. Is the calibration curve correlation coefficient  $\geq 0.995$ ? yes/no/NA
  - b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency? yes/no/NA
  - c. Are ICVs, CCVs, and CCBs all within acceptance limits? yes/no/NA
  - d. Are results for methods blanks all ND? yes/no/NA
  - e. Are all QC samples within acceptance criteria? yes/no/NA  
(LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.)
  - f. Are all exceptions explained? yes/no/NA
- 6. Are all service requests that apply attached? yes/no/NA
- 7. Are all samples labelled correctly? yes/no/NA
- 8. Have all instructions on the service request been followed? yes/no/NA  
(e.g. Special MRLs, QC on a specific sample)
- 9. Are detection limits and units reported correctly? yes/no/NA
- 10. Are proper Analysis/Extraction stickers included on report? yes/no/NA
- 11. Is the unused space on the benchsheet crossed out? yes/no/NA
- 12. Was analysis turned in by the due date? (n-2) (If not record SR#) yes/no/NA

**COMMENTS:**

Final Approved by:  Date: 5/21/10 DQREPORT

Request #: K4791, K4744, K4743, K4711 Method: K4935 K4796 EPA 310.1 / SM 2320B

Analysis For: Alkalinity as CaCO<sub>3</sub>: Total / Bicarbonate / Carbonate / Hydroxide

pH Meter Calibration	Sample #	MB	LCS	4791-1 4.8	4791-2	4791-4	4744-3	4743-2
pH 12.45	Initial pH	5.43	8.94	4.83	5.42	5.66	5.90	4.93
	Titrant used to pH 8.3							
pH 10.00	Titrant used to pH 4.5	0.19	3.39	0.17	0.50	1.40	0.22	0.23
10.00	Titrant used to pH 4.2	0.31		0.41	0.71		0.41	0.41
pH 7.00	Sample Volume	100	50	100	100	100	100	100
7.00	Alkalinity	<2	67.8	<2	2.9	14.0	<2	<2
pH 4.00	Bicarbonate			<2	2.9	2.40	<2	
4.00	Carbonate			<2	<2	<2	<2	
pH 4.00 Chk.	Hydroxide						<2	
4.00								

Sample #	4711-1	4711-1d	K4935-1	BC	K4791-2	BC		
Initial pH	6.72	6.64	7.37	4.01	7.43	4.02		
Titrant used to pH 8.3				7		7		7
Titrant used to pH 4.5	0.89	0.90	0.82		7.41			
Titrant used to pH 4.2	1.09	1.06	0.91					
Sample Volume	100	100	50		100			
Alkalinity	6.9	7.4	7.3	74.1				
Bicarbonate								
Carbonate								
Hydroxide								

LCS: APG ERA Lot # = S161-698 True Value = 67.9 % Rec. = 100  
 Probe ID#: \_\_\_\_\_ Titrant Manf: \_\_\_\_\_

Calculations: Alkalinity =  $\frac{A \times N \times 50,000}{\text{Volume (mls)}}$  A = mls standard titrant used  
 N = Normality of standard acid 0.02 / 0.1 N(HCL)

Comments: 4711-1/1d  $\bar{x} = 7.2$  RPD = 7 5/20/10

Analyzed By: <u>DL</u>	Date: <u>5/20/10</u>	<u>1100</u>
Revised By: <u>SA</u>	Date: <u>5/21/10</u>	





Analyte: Alkalinity  
Method: 310.1 / SM20 2320 B

Regular Level X  
High Level \_\_\_\_\_

Analyst: AM  
Pipette: 5N-1934A

Date: 5.19.10  
Time: 1500

Table 403.1 Alkalinity Relationships

Result of titration	Hydroxide Alkalinity as CaCO <sub>3</sub>	Carbonate Alkalinity as CaCO <sub>3</sub>	Bicarbonate Concentration as CaCO <sub>3</sub>
P = 0	0.0	0.0	T
P < 1/2T	0.0	2P	T - 2P
P = 1/2T	0.0	2P	0
P > 1/2T	2P - T	2(T - P)	0
P = T	T	0.0	0

P = Phenolphthalein Alkalinity T = Total Alkalinity  
Phenolphthalein alkalinity = the quantity measured by titration to pH 8.3

Alkalinity, mg CaCO<sub>3</sub> /L = (A<sub>(mL acid used)</sub> × N<sub>(H<sub>2</sub>SO<sub>4</sub>)</sub> × 50,000) /mL sample

pH meter cal: 4.01 10-d/1-25-L  
7.0  
10.01 10-d/1-79-K  
Buffer Lot # \_\_\_\_\_

Reagents: Concentration Log #  
H<sub>2</sub>SO<sub>4</sub>: 0.020 N 2.00 1002358  
Reg Level Reference: 50 mg/L  
High Level Reference: 5000 mg/L  
LCS/MS Solution: 1000 mg/L [2A 5161 608] 0.29

\* Soils - 1g of sample diluted to 100mLs in DI

Folder #	Order #	Sample Vol (mL)	pH Initial	Titrant Volume Initial (mL)	Vol to pH 4.5	Vol to pH 8.3	Phen. Alk.	OH-Alk.	Carb Alk.	Bicarb Alk.	Total Alk.
1	MB	30.0	6.26		0.064						2.1
2	1/1 REC=103 LCS	30.0	8.97		2.14						71.4
3	4738-4	30.0	7.44		3.49						116.2
4	4738-5	30.0	7.46		2.87						95.5
5	4738-6	10.0	6.94		1.10						110.1
6	$\bar{x}=12.8$ 4678-1	30.0	6.73		3.87						128.9
7	RPD=2 4678-1d	30.0	6.67		3.80						126.7
8	4678-5	30.0	6.78		6.41						213.6
9	4715-3	15.0	6.92		7.91						527.1
10	4715-4	15.0	7.05		8.49						565.9
11	$\bar{x}=503$ 4715-5	15.0	7.38		7.74						516.1
12	RPD=5 4715-5d	15.0	7.42		7.36						490.7
13	4715-9	15.0	7.18		3.96						264.0
14	4768-3	15.0	7.15		2.99						199.2
15	4768-4	15.0	7.36		7.03						468.7
16	4768-6	15.0	7.17		7.33						488.5
16	4768-7	15.0	7.16		8.04						536.0
17	4768-8	15.0	7.24		8.12						541.5
18	4768-9	15.0	7.32		5.03						335.1
19	4744-1	15.0	7.86		4.21		-	<9	<9	280.6	280.6
20	4744-2	15.0	6.92		2.57		-	<9	<9	171.1	171.1
21	4744-3	30.0	5.82		0.07						2.4
22	4744-4	15.0	7.14		3.22			<9	<9	214.9	214.9
23	$\bar{x}=63.3$ 4743-1	30.0	7.38		1.88						62.8
24	RPD=1 4743-1d	30.0	7.37		1.91						63.7
25	4743-2	30.0	5.67		0.07						2.3
26	4778-4	15.0	6.59		1.72			<9	<9	114.8	114.8
27	$\bar{x}=110$ 4778-5	30.0	6.60		3.27			<9	<9	109.0	109.0
28	RPD=1 4778-5d	30.0	6.66		3.31			<9	<9	110.2	110.2
29	4778-6	30.0	6.68		3.19			<9	<9	106.5	106.5
30	4778-7	10.0	6.57		2.06			<9	<9	205.7	205.7
31	4778-8	30.0	6.52		1.26			<9	<9	41.9	41.9
32	4778-10	30.0	6.67		2.87			<9	<9	95.7	95.7
33	4778-11	15.0	6.51		1.29			<9	<9	86.0	86.0
34	4778-12	5.0	7.83		2.42			<9	<9	484.6	484.6
35	4778-13	15.0	6.77		3.15			<9	<9	209.9	209.9
36	4778-14	15.0	7.80		3.11			<9	<9	207.0	207.0

cash 5.24.10

5/25/10



Date: 05/18/2010  
 RunID = Z0517101328  
 InstrumentID = SN=1234A  
 Site Name = Your Company Name Here  
 Analyst = ACQWE  
 Test Name/ID = ALKALINITY 5/17/10  
 Titrant Name/ID = 0.02 N HCL  
 Standard(s) Name/ID =

*SK*  
*5/25/10*

Test ID	LIWS ID	Meth ID	Smpl ID	pH	SmplVol	Tot Vol	SmplResults	Units	Recv %	End Pt	Slope (n)	Calc C	Date	Time	Analyst	Run ID	Inst ID
ALKALI	MB	1	1	6.26	30		2.1456	ppml		42.7 mV	58.11	03345	05-17-10	15:01	ACQWE	Z0517101328.EZ	SN=123
ALKALI	LCS	1	2	8.97	30		40.488	ppml		78.1 mV	58.11	03345	05-17-10	15:04	ACQWE	Z0517101328.EZ	SN=123
ALKALI	LCS	1	2	8.97	30		71.492	ppml		42.7 mV	58.11	03345	05-17-10	15:04	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004738-004.02	1	3	7.44	30		116.34	ppml		42.7 mV	58.11	03345	05-17-10	15:13	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004738-005.02	1	4	7.46	30		95.583	ppml		42.7 mV	58.11	03345	05-17-10	15:16	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004738-006.023X	1	5	6.94	30		36.739	ppml		42.7 mV	58.11	03345	05-17-10	15:20	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004678-001.05	1	6	6.73	30		128.98	ppml		42.7 mV	58.11	03345	05-17-10	15:27	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004678-001.05D	1	7	6.67	30		126.82	ppml		42.7 mV	58.11	03345	05-17-10	15:32	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004678-005.02	1	8	6.78	30		213.76	ppml		42.7 mV	58.11	03345	05-17-10	15:36	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004715-003.082X	1	9	6.92	30		263.78	ppml		42.7 mV	58.11	03345	05-17-10	15:42	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004715-004.072X	1	10	7.05	30		283.17	ppml		42.7 mV	58.11	03345	05-17-10	15:50	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004715-005.122X	1	11	7.38	30		258.30	ppml		42.7 mV	58.11	03345	05-17-10	15:58	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004715-005.D2X	1	12	7.42	30		245.58	ppml		42.7 mV	58.11	03345	05-17-10	16:07	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004768-003.082X	1	13	7.18	30		132.11	ppml		42.7 mV	58.11	03345	05-17-10	16:15	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004768-004.082X	1	14	7.15	30		99.682	ppml		42.7 mV	58.11	03345	05-17-10	16:23	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004768-006.082X	1	15	7.36	30		234.56	ppml		42.7 mV	58.11	03345	05-17-10	16:31	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004768-007.082X	1	16	7.17	30		244.47	ppml		42.7 mV	58.11	03345	05-17-10	16:39	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004768-008.082X	1	17	7.16	30		268.23	ppml		42.7 mV	58.11	03345	05-17-10	16:47	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004768-008.082X	1	18	7.24	30		271.02	ppml		42.7 mV	58.11	03345	05-17-10	16:55	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004768-009.082X	1	19	7.32	30		167.71	ppml		42.7 mV	58.11	03345	05-17-10	17:04	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004744-001.102X	1	20	7.86	30		140.44	ppml		42.7 mV	58.11	03345	05-17-10	17:12	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004744-002.102X	1	21	6.92	30		85.620	ppml		42.7 mV	58.11	03345	05-17-10	17:20	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004744-003.10	1	22	5.82	30		2.4041	ppml		42.7 mV	58.11	03345	05-17-10	17:26	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004744-004.102X	1	23	7.14	30		107.52	ppml		42.7 mV	58.11	03345	05-17-10	17:29	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004743-001.03	1	24	7.38	30		62.828	ppml		42.7 mV	58.11	03345	05-17-10	17:37	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004743-001.03DK	1	25	7.37	30		63.756	ppml		42.7 mV	58.11	03345	05-17-10	17:44	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004743-002	1	26	5.67	30		2.2616	ppml		42.7 mV	58.11	03345	05-17-10	17:52	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004778-004.162X	1	27	6.59	30		57.459	ppml		42.7 mV	58.11	03345	05-17-10	17:55	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004778-005	1	28	6.60	30		109.12	ppml		42.7 mV	58.11	03345	05-17-10	18:00	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004778-005d	1	29	6.66	30		110.30	ppml		42.7 mV	58.11	03345	05-17-10	18:05	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004778-006	1	30	6.68	30		106.55	ppml		42.7 mV	58.11	03345	05-17-10	18:11	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004778-007.163X	1	31	6.57	30		68.638	ppml		42.7 mV	58.11	03345	05-17-10	18:17	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004778-8	1	32	6.52	30		41.929	ppml		42.7 mV	58.11	03345	05-17-10	18:23	ACQWE	Z0517101328.EZ	SN=123

Test ID	LIMS ID	Meth ID	Smpl ID	pH	SmplVol	Tot Vol	SmplResults	Units	Recv %	End Pt	Slope (r)	Calc T	Date	Time	Analyst	Run ID	Instr ID
ALKALI	K1004778-010	1	33	6.67i	30		95.830	ppmL		142.7 mV	58.11	03345	05-17-10	18:28	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004778-011 2x	1	34	6.51i	30		43.041	ppmL		142.7 mV	58.11	03345	05-17-10	18:34	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004778-012.168x	1	35	7.83i	30		80.839	ppmL		142.7 mV	58.11	03345	05-17-10	18:39	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004778-013 2x	1	36	6.77i	30		105.02	ppmL		142.7 mV	58.11	03345	05-17-10	18:46	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004778-014 2x	1	37	7.80i	30		103.58	ppmL		142.7 mV	58.11	03345	05-17-10	18:52	ACQWE	Z0517101328.EZ	SN=123
ALKALI	K1004776-002	1	38	6.72i	30		98.487	ppmL		142.7 mV	58.11	03345	05-17-10	19:00	ACQWE	Z0517101328.EZ	SN=123
ALKALI	MB2	1	39	5.50i	30		1.6941	ppmL		142.7 mV	58.11	03345	05-17-10	19:04	ACQWE	Z0517101328.EZ	SN=123
ALKALI	LCS2	1	40	8.96i	30		35.832	ppmL		-78.1 mV	58.11	03345	05-17-10	19:07	ACQWE	Z0517101328.EZ	SN=123
ALKALI	LCS2	1	40	8.96i	30		71.785	ppmL		142.7 mV	58.11	03345	05-17-10	19:07	ACQWE	Z0517101328.EZ	SN=123

*John*  
 5/25/10

Work Request # <sup>Original</sup> (4573) 4575 4625 4664 4711 4744 4743 20052)

Tier: 1 ✓ V V I II V V

Date Analyzed: 5.13.10 4782 4765

Analyst: rh/nbfor CES 1 1

Analysis: TDS

**DATA QUALITY REPORT  
INORGANICS**

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

- 1. Is the method name and number correct and appropriate?  yes/no/NA
- 2. Holding times met for all analyses and for all samples?  yes/no/NA
- 3. Are calculations correct?  yes/no/NA
- 4. Is the reporting basis correct? (Dry Weight)  yes/no/NA
- 5. All quality control criteria met?  yes/no/NA
  - a. Is the calibration curve correlation coefficient  $\geq 0.995$ ?  yes/no/NA
  - b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency?  yes/no/NA
  - c. Are ICVs, CCVs, and CCBs all within acceptance limits?  yes/no/NA
  - d. Are results for methods blanks all ND?  yes/no/NA
  - e. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.)  yes/no/NA
  - f. Are all exceptions explained?  yes/no/NA
- 6. Are all service requests that apply attached?  yes/no/NA
- 7. Are all samples labelled correctly?  yes/no/NA
- 8. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample)  yes/no/NA
- 9. Are detection limits and units reported correctly?  yes/no/NA
- 10. Are proper Analysis/Extraction stickers included on report?  yes/no/NA
- 11. Is the unused space on the benchsheet crossed out?  yes/no/NA
- 12. Was analysis turned in by the due date? (n-2) (If not record SR#)  yes/no/NA

**COMMENTS:**

Final Approved by:  Date: 5/18/10 DQREPORT

COLUMBIA ANALYTICAL SERVICES, INC.

200521

Work Order #: \_\_\_\_\_

Method: EPA SM 2540 C

Analysis: Total Dissolved Solids

Sample #	Crucible #	Conductivity	Sample Volume (ml)	Wt, Cru. + Dry sample (1) (g)	Wt, Cru. + Dry sample (2) (g)	Wt, Cru. + Dry sample (3) (g)	Wt. Crucible (g)	Wt. Dry Sample (g)	TDS (mg/L)	TDS (mg/L) reported
MB	R41		200	130.1162	130.1166		130.1164	-0.0002	-1	<5
MB	2713		200	122.0077	122.0078		122.0074	0.0003	2	<5
LCS	115 S		50	86.6122	86.6127		86.5776	0.0346	692	692
DLCS	J6		50	70.7345	70.7348		70.6993	0.0352	704	704
K1004573-001	3/31/2008	272	100	84.9862	84.9864		84.9683	0.0179	179	179
K1004573-002	J12	293	100	77.4013	77.4015		77.3824	0.0189	189	189
K1004575-001	J16	553	100	75.0907	75.0910		75.0529	0.0378	378	378
K1004575-002	17 S	2020	75	78.9659	78.9655		78.8659	0.1000	1333	1330
K1004575-003	48A	1990	75	63.9294	63.9297		63.8425	0.0869	1159	1160
K1004575-004	36A	6	200	75.0045	75.0049		75.0039	0.0006	3	<5
K1004635-001	316	894	100	81.4212	81.4210		81.3677	0.0535	535	535
K1004635-002	42 S	3	200	73.2099	73.2095		73.2060	0.0039	20	19.5
K1004635-003	A18	1720	75	75.7609	75.7606		75.6884	0.0725	967	967
K1004664-001	22A	8190	50	77.9003	77.9003		77.6929	0.2074	4148	4150
K1004711-001	B2	21	200	71.3374	71.3369		71.3324	0.0050	25	25.0
K1004744-001	DC	601	100	60.4562	60.4566		60.4187	0.0375	375	375
K1004744-002	MM	3050	50	81.4618	81.4615		81.3664	0.0954	1908	1910
K1004744-003	9 S	2	200	80.4051	80.4055		80.4033	0.0018	9	9.00
K1004744-004	20 C	809	100	73.5827	73.5825		73.5336	0.0491	491	491
K1004743-001	EE	139	100	79.3228	79.3232		79.3150	0.0078	78	78.0
K1004743-002	C16	1	200	85.9841	85.9836		85.9825	0.0016	8	8.00
K1004782-001	Jayla	800	100	73.3139	73.3139		73.2601	0.0538	538	538
K1004782-002	Simon	777	100	70.0817	70.0821		70.0253	0.0564	564	564
K1004765-001	2 C	273	100	73.3259	73.3258		73.3024	0.0235	235	235
K1004743-001d	20A	139	100	67.7393	67.7393		67.7320	0.0073	73	73.0

Calculation: Dissolved Solids (mg/L) = Wt. Dry Sample (g) x 1000 x 1000 / Volume (ml) 92 Balance#31

APG #:4033 Lot# 041109 ID# TDS/1-25-H T.V. = 750 % Rec = 92, 94

Wt (1) Start 1600	Wt (2) Start	Wt (3) Start 1110	
Stop	Stop 0910	Stop 1300	4743-1/1d X=76' RPD=7'
Wt (1) Start 105	Wt (2) Start	Wt (3) Start 178	4575-2/2d X=1270' RPD=9'
Temp Stop	Temp Stop 180	Temp Stop 180	date time

Analyzed By: *gb/p/for CES* Date Analyzed: 5/13/2010 13:00

Reviewed By: *[Signature]* Date Reviewed: 5/18/10

*08/15/10 RE*

